

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P362316

Luminaire Tested: NVN-SA2B-750-U-SLR

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P362316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: NVN-SA2B-750-U-SLR
Description: NAVION ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10328 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

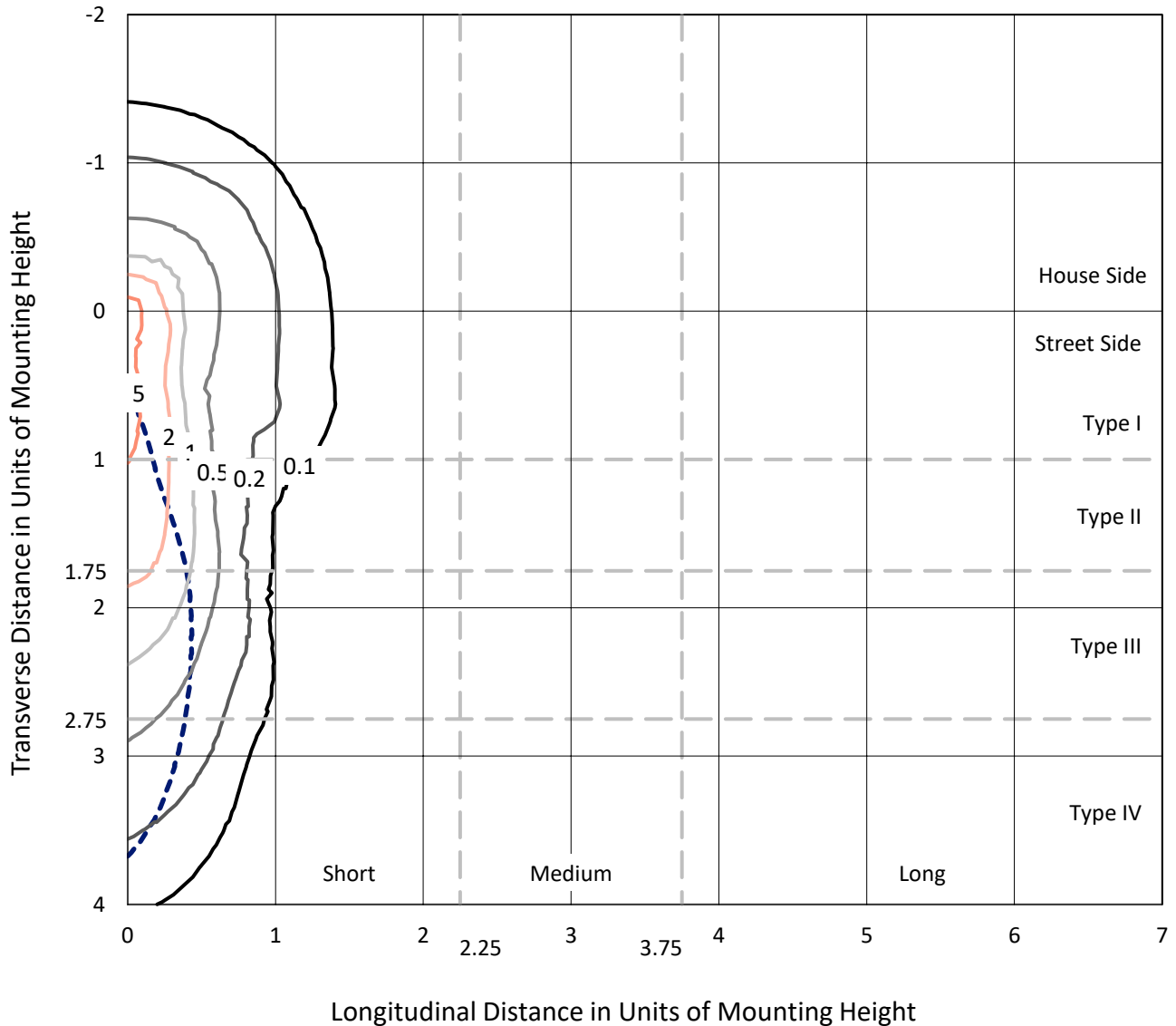
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P362316
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Iso-Footcandle Lines of Horizontal Illumination

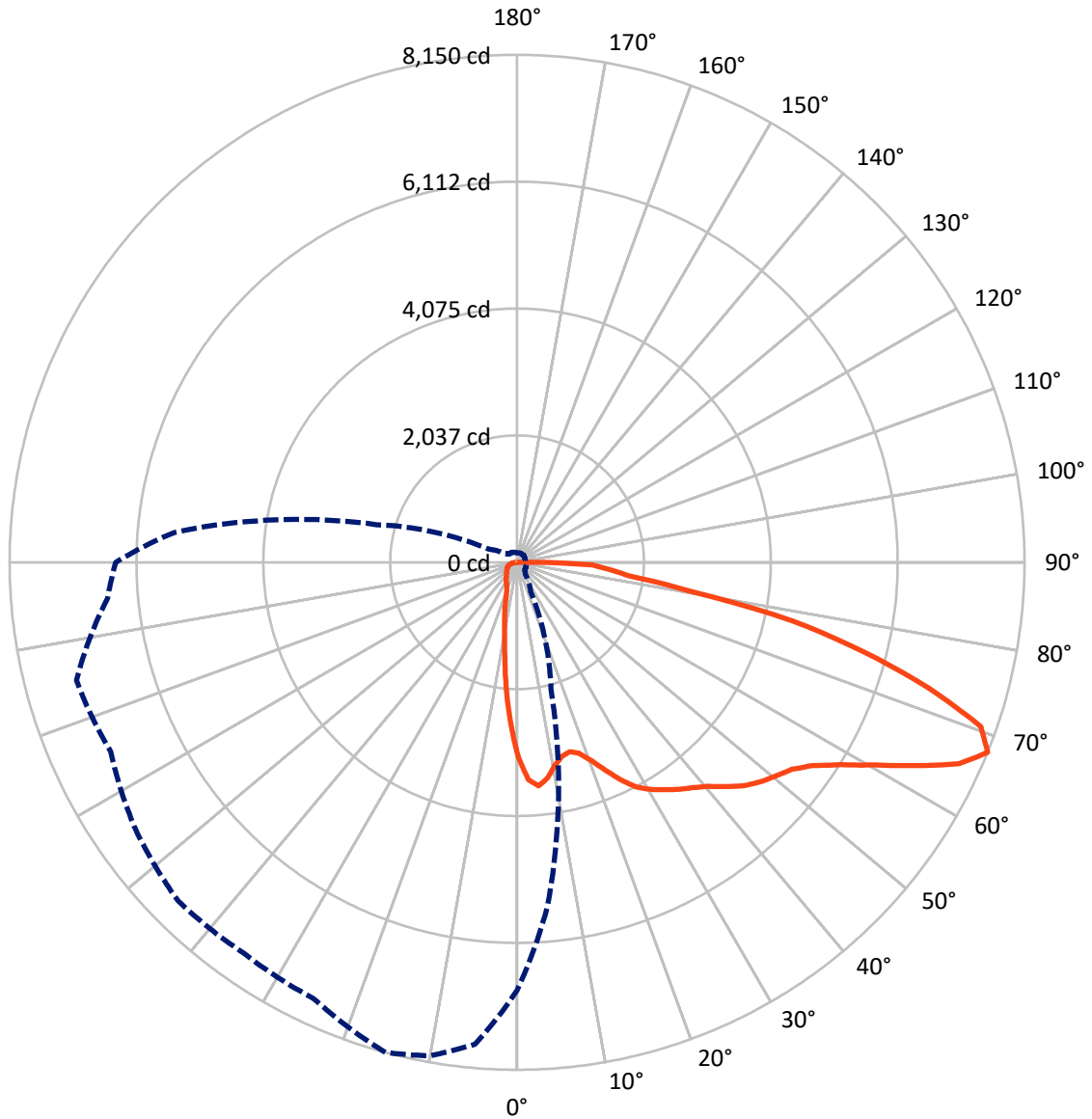
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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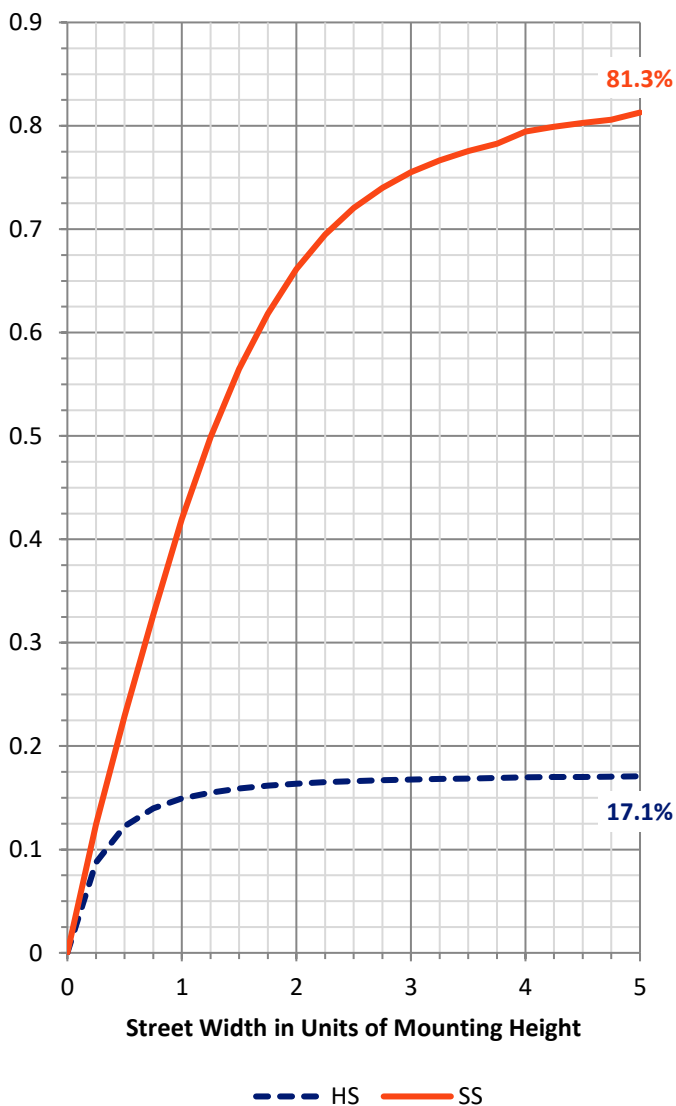
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1785.5 | 0.0 | 1785.5 |
| | % Fixture | 17.3 | 0.0 | 17.3 |
| Street Side | Lumens | 8542.5 | 0.0 | 8542.5 |
| | % Fixture | 82.7 | 0.0 | 82.7 |
| Total | Lumens | 10328.0 | 0.0 | 10328.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 242.8 | 2.4 |
| 10°-20° | 504.5 | 4.9 |
| 20°-30° | 717.5 | 6.9 |
| 30°-40° | 1033.9 | 10.0 |
| 40°-50° | 1457.0 | 14.1 |
| 50°-60° | 2025.5 | 19.6 |
| 60°-70° | 2449.4 | 23.7 |
| 70°-80° | 1505.6 | 14.6 |
| 80°-90° | 391.8 | 3.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 10328.0 | 100.0 |
| 0°-180° | 10328.0 | 100.0 |

Coefficient of Utilization

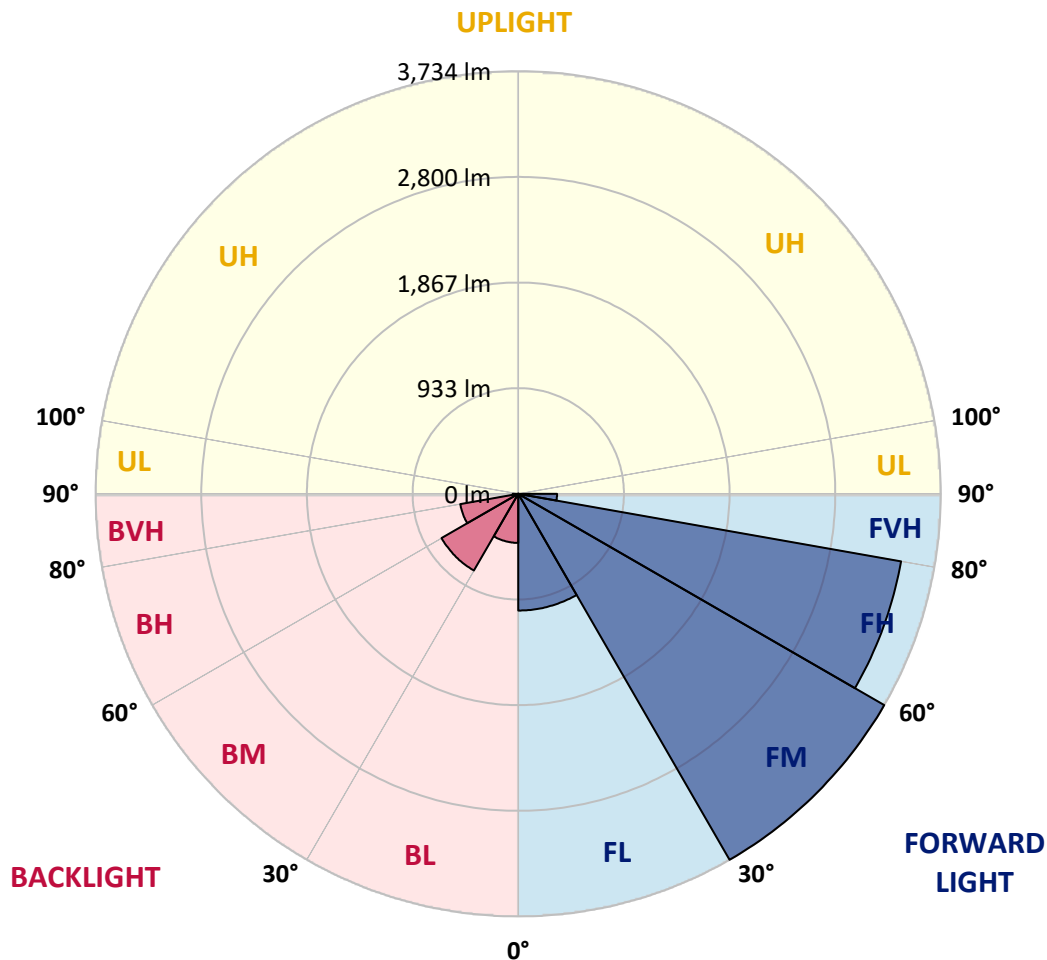


REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1031.3 | 10.0 | | | |
| FM (30°-60°) | 3733.8 | 36.2 | | | |
| FH (60°-80°) | 3434.7 | 33.3 | | | G2/5000 |
| FVH (80°-90°) | 342.7 | 3.3 | | | G3/500 |
| BL (0°-30°) | 433.5 | 4.2 | B1/500 | | |
| BM (30°-60°) | 782.6 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 520.3 | 5.0 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 49.1 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3
 Type IV Medium





REPORT NUMBER: P362316

CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 3370.7 | 3341.0 | 3296.0 | 3251.0 | 3217.5 | 3183.7 | 3145.3 | 3106.9 | 3063.1 | 3018.9 | 2992.9 |
| 5° | 3315.0 | 3232.4 | 3125.0 | 3017.7 | 2946.6 | 2875.6 | 2795.1 | 2714.6 | 2634.9 | 2555.2 | 2512.2 |
| 7.5° | 3063.9 | 2940.0 | 2800.5 | 2660.9 | 2557.7 | 2454.0 | 2342.5 | 2230.6 | 2131.5 | 2032.0 | 1970.5 |
| 10° | 2817.0 | 2668.3 | 2508.1 | 2347.5 | 2215.3 | 2083.2 | 1971.3 | 1859.0 | 1784.3 | 1709.5 | 1652.9 |
| 12.5° | 2639.8 | 2475.1 | 2298.8 | 2122.0 | 1989.9 | 1857.8 | 1786.7 | 1715.7 | 1653.8 | 1591.8 | 1526.6 |
| 15° | 2569.6 | 2383.4 | 2203.0 | 2022.1 | 1901.9 | 1781.8 | 1702.9 | 1623.6 | 1540.6 | 1457.2 | 1377.1 |
| 17.5° | 2631.6 | 2413.6 | 2217.4 | 2021.3 | 1863.9 | 1706.6 | 1596.4 | 1485.7 | 1376.3 | 1266.9 | 1173.9 |
| 20° | 2824.8 | 2546.5 | 2290.1 | 2033.2 | 1823.9 | 1614.5 | 1466.7 | 1318.5 | 1178.1 | 1037.7 | 932.4 |
| 22.5° | 3096.1 | 2727.8 | 2392.9 | 2058.0 | 1787.6 | 1516.7 | 1331.3 | 1145.5 | 979.5 | 813.5 | 710.2 |
| 25° | 3425.6 | 2968.1 | 2541.1 | 2113.8 | 1772.7 | 1431.2 | 1203.3 | 975.3 | 800.3 | 624.8 | 551.3 |
| 27.5° | 3772.9 | 3254.7 | 2725.3 | 2195.5 | 1775.2 | 1354.8 | 1095.5 | 835.8 | 678.0 | 520.3 | 469.9 |
| 30° | 4062.4 | 3582.1 | 2940.0 | 2297.5 | 1784.7 | 1271.8 | 993.9 | 716.0 | 585.9 | 455.9 | 423.2 |
| 32.5° | 4327.1 | 3810.5 | 3101.9 | 2392.9 | 1795.4 | 1197.5 | 915.5 | 633.0 | 526.9 | 420.4 | 393.5 |
| 35° | 4600.4 | 4013.2 | 3215.0 | 2416.4 | 1776.8 | 1136.8 | 861.8 | 586.8 | 488.9 | 390.6 | 367.9 |
| 37.5° | 4901.4 | 4232.5 | 3324.1 | 2415.2 | 1745.4 | 1075.7 | 820.1 | 564.1 | 464.1 | 363.8 | 347.3 |
| 40° | 5237.1 | 4474.9 | 3442.2 | 2409.4 | 1716.9 | 1024.1 | 789.1 | 553.7 | 450.5 | 346.9 | 332.8 |
| 42.5° | 5565.4 | 4706.1 | 3552.0 | 2397.9 | 1693.8 | 989.4 | 758.5 | 527.7 | 438.1 | 348.1 | 328.3 |
| 45° | 5811.9 | 4908.0 | 3647.4 | 2386.3 | 1676.5 | 966.7 | 734.6 | 502.5 | 426.6 | 350.6 | 325.4 |
| 47.5° | 5999.0 | 5110.8 | 3753.1 | 2395.0 | 1674.8 | 954.7 | 717.7 | 480.6 | 404.7 | 328.3 | 318.0 |
| 50° | 6236.8 | 5354.4 | 3907.1 | 2459.8 | 1697.5 | 935.3 | 697.8 | 460.0 | 383.6 | 307.2 | 321.3 |
| 52.5° | 6532.9 | 5702.1 | 4145.8 | 2589.0 | 1745.0 | 901.0 | 666.5 | 431.9 | 358.0 | 283.7 | 305.6 |
| 55° | 6967.7 | 6147.6 | 4450.9 | 2753.8 | 1802.4 | 850.6 | 619.0 | 386.9 | 324.1 | 261.0 | 280.4 |
| 57.5° | 7357.9 | 6597.7 | 4743.7 | 2889.2 | 1838.3 | 787.0 | 559.1 | 331.2 | 286.2 | 241.1 | 252.3 |
| 60° | 7531.8 | 6829.8 | 4880.8 | 2931.4 | 1816.9 | 702.4 | 491.8 | 280.8 | 252.7 | 224.6 | 222.6 |
| 62.5° | 7464.1 | 6682.4 | 4745.8 | 2809.1 | 1712.0 | 614.8 | 432.3 | 249.8 | 228.8 | 207.3 | 202.7 |
| 65° | 7265.8 | 6219.1 | 4367.5 | 2516.0 | 1534.8 | 553.7 | 394.8 | 235.8 | 212.2 | 188.7 | 183.8 |
| 67.5° | 6875.2 | 5559.6 | 3831.5 | 2103.4 | 1309.8 | 516.2 | 373.3 | 230.4 | 201.9 | 173.0 | 167.2 |
| 70° | 6174.1 | 4766.0 | 3214.2 | 1662.0 | 1077.7 | 493.0 | 359.2 | 225.5 | 190.8 | 155.7 | 150.3 |
| 72.5° | 5071.1 | 3821.2 | 2566.7 | 1311.9 | 901.0 | 490.1 | 357.6 | 225.0 | 181.7 | 138.3 | 133.4 |
| 75° | 3630.9 | 2902.5 | 1959.3 | 1015.8 | 737.9 | 460.0 | 339.4 | 218.9 | 169.3 | 119.3 | 114.8 |
| 77.5° | 2443.3 | 2008.9 | 1361.8 | 714.4 | 547.5 | 380.7 | 285.3 | 189.9 | 144.9 | 99.9 | 95.4 |
| 80° | 1569.1 | 1390.3 | 912.6 | 434.8 | 355.1 | 275.4 | 204.0 | 132.5 | 105.7 | 78.5 | 74.7 |
| 82.5° | 1151.2 | 1034.8 | 634.3 | 233.7 | 197.4 | 160.6 | 124.7 | 88.8 | 72.3 | 55.7 | 54.1 |
| 85° | 731.7 | 806.9 | 467.0 | 127.2 | 104.1 | 80.9 | 66.9 | 52.9 | 41.7 | 30.6 | 30.6 |
| 87.5° | 142.0 | 196.6 | 129.2 | 61.5 | 45.0 | 28.5 | 24.4 | 19.8 | 11.1 | 2.1 | 2.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 2966.5 | 2938.0 | 2909.5 | 2877.3 | 2844.6 | 2814.5 | 2783.9 | 2750.5 | 2756.7 | 2731.1 | 2705.5 |
| 5° | 2469.3 | 2423.9 | 2378.0 | 2338.4 | 2298.8 | 2264.5 | 2229.8 | 2198.8 | 2225.7 | 2207.5 | 2189.3 |
| 7.5° | 1908.5 | 1852.4 | 1795.8 | 1748.3 | 1700.8 | 1664.1 | 1626.9 | 1601.3 | 1627.8 | 1624.5 | 1621.1 |
| 10° | 1596.4 | 1541.9 | 1486.9 | 1434.5 | 1382.1 | 1337.5 | 1292.5 | 1254.5 | 1247.9 | 1228.9 | 1209.5 |
| 12.5° | 1460.9 | 1386.2 | 1311.0 | 1256.1 | 1201.2 | 1147.9 | 1094.7 | 1050.1 | 1029.8 | 998.5 | 966.7 |
| 15° | 1297.0 | 1208.6 | 1120.3 | 1057.9 | 995.2 | 943.5 | 891.5 | 853.1 | 840.3 | 815.9 | 791.6 |
| 17.5° | 1081.0 | 984.4 | 887.8 | 824.6 | 761.0 | 719.7 | 678.0 | 652.4 | 652.4 | 645.4 | 638.4 |
| 20° | 827.1 | 740.8 | 654.5 | 606.2 | 557.9 | 536.0 | 513.7 | 502.9 | 506.2 | 506.7 | 506.7 |
| 22.5° | 606.6 | 553.7 | 500.9 | 481.5 | 461.7 | 453.8 | 446.0 | 441.4 | 443.1 | 443.5 | 443.9 |
| 25° | 477.8 | 457.5 | 436.9 | 427.0 | 416.6 | 411.7 | 406.7 | 405.1 | 408.8 | 409.2 | 409.2 |
| 27.5° | 419.5 | 407.1 | 394.3 | 388.2 | 381.5 | 379.5 | 377.4 | 374.5 | 378.2 | 378.2 | 377.8 |
| 30° | 390.2 | 377.0 | 363.8 | 355.9 | 348.1 | 348.9 | 349.3 | 348.5 | 351.0 | 352.6 | 353.9 |
| 32.5° | 366.3 | 353.5 | 340.7 | 332.8 | 324.6 | 323.3 | 322.1 | 321.3 | 326.6 | 329.5 | 332.4 |
| 35° | 344.8 | 330.8 | 316.7 | 309.3 | 301.8 | 299.0 | 296.1 | 294.0 | 299.0 | 302.7 | 306.4 |
| 37.5° | 330.3 | 315.9 | 301.0 | 294.0 | 286.6 | 282.9 | 279.1 | 276.7 | 278.7 | 280.4 | 282.0 |
| 40° | 318.8 | 303.9 | 288.6 | 280.4 | 272.1 | 268.4 | 264.7 | 262.6 | 263.9 | 264.3 | 264.7 |
| 42.5° | 308.0 | 293.6 | 279.1 | 270.1 | 260.6 | 256.0 | 251.5 | 249.0 | 249.8 | 250.6 | 251.1 |
| 45° | 300.2 | 285.7 | 270.9 | 260.1 | 249.0 | 244.0 | 239.1 | 236.2 | 236.6 | 236.6 | 236.6 |
| 47.5° | 307.6 | 286.6 | 265.1 | 252.7 | 239.9 | 234.1 | 228.3 | 225.5 | 224.6 | 223.8 | 223.0 |
| 50° | 334.9 | 299.0 | 262.6 | 246.9 | 230.8 | 224.6 | 218.0 | 214.7 | 212.7 | 211.8 | 211.0 |
| 52.5° | 327.0 | 296.1 | 264.7 | 244.5 | 223.8 | 216.4 | 208.9 | 203.6 | 201.5 | 200.3 | 199.0 |
| 55° | 299.4 | 280.0 | 260.1 | 235.8 | 211.4 | 204.8 | 197.8 | 194.1 | 190.4 | 189.5 | 188.7 |
| 57.5° | 263.0 | 255.2 | 247.3 | 222.6 | 197.8 | 191.6 | 185.0 | 182.5 | 179.2 | 179.2 | 178.8 |
| 60° | 220.1 | 231.7 | 243.2 | 214.7 | 185.8 | 178.8 | 171.8 | 169.7 | 168.5 | 168.1 | 167.6 |
| 62.5° | 197.8 | 216.8 | 235.4 | 205.2 | 174.7 | 167.2 | 159.8 | 157.3 | 156.9 | 157.3 | 157.3 |
| 65° | 178.8 | 184.6 | 190.4 | 176.3 | 162.3 | 154.8 | 147.0 | 144.5 | 145.3 | 146.6 | 147.8 |
| 67.5° | 161.5 | 160.2 | 159.0 | 154.0 | 148.7 | 142.5 | 135.9 | 133.4 | 133.8 | 135.4 | 137.1 |
| 70° | 144.9 | 143.3 | 141.2 | 137.5 | 133.8 | 128.4 | 123.1 | 121.4 | 121.0 | 123.1 | 124.7 |
| 72.5° | 128.4 | 126.4 | 123.9 | 121.0 | 117.7 | 113.1 | 108.6 | 107.4 | 107.8 | 109.0 | 110.3 |
| 75° | 110.3 | 108.6 | 106.5 | 104.1 | 101.2 | 97.0 | 92.9 | 92.1 | 92.9 | 94.1 | 95.4 |
| 77.5° | 90.4 | 90.0 | 89.2 | 87.1 | 85.1 | 80.5 | 75.6 | 75.2 | 76.4 | 77.6 | 78.5 |
| 80° | 70.6 | 71.0 | 71.4 | 69.8 | 68.1 | 63.2 | 57.8 | 57.4 | 58.6 | 59.9 | 61.1 |
| 82.5° | 52.0 | 53.3 | 54.1 | 52.0 | 50.0 | 44.2 | 38.4 | 37.6 | 41.7 | 42.9 | 44.2 |
| 85° | 30.1 | 31.8 | 33.4 | 31.8 | 30.1 | 24.4 | 18.6 | 18.2 | 21.9 | 23.9 | 26.0 |
| 87.5° | 2.5 | 3.3 | 4.1 | 3.7 | 3.3 | 1.7 | 0.0 | 0.0 | 0.4 | 2.1 | 3.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 2689.4 | 2673.3 | 2668.3 | 2663.4 | 2645.2 | 2626.6 | 2645.6 | 2664.2 | 2672.0 | 2679.9 | 2659.7 |
| 5° | 2186.9 | 2184.0 | 2184.0 | 2183.6 | 2167.0 | 2150.1 | 2162.9 | 2175.3 | 2147.6 | 2120.0 | 2117.1 |
| 7.5° | 1638.9 | 1656.7 | 1671.1 | 1685.2 | 1679.8 | 1674.4 | 1686.4 | 1698.4 | 1663.3 | 1627.8 | 1610.4 |
| 10° | 1213.6 | 1217.3 | 1233.0 | 1248.7 | 1252.4 | 1255.7 | 1270.6 | 1285.0 | 1257.8 | 1230.5 | 1218.5 |
| 12.5° | 946.8 | 927.0 | 929.1 | 930.7 | 938.2 | 945.2 | 960.9 | 976.2 | 965.0 | 953.4 | 954.7 |
| 15° | 766.8 | 741.6 | 731.3 | 720.6 | 728.8 | 737.1 | 748.2 | 759.0 | 759.4 | 759.4 | 770.1 |
| 17.5° | 626.0 | 613.2 | 602.9 | 592.1 | 603.3 | 614.0 | 615.3 | 616.5 | 616.9 | 617.3 | 616.5 |
| 20° | 512.9 | 519.0 | 515.7 | 512.4 | 516.6 | 520.3 | 523.6 | 526.5 | 522.8 | 518.6 | 508.3 |
| 22.5° | 449.7 | 455.0 | 459.2 | 462.9 | 469.9 | 476.5 | 473.2 | 469.5 | 462.1 | 454.2 | 446.4 |
| 25° | 412.9 | 416.6 | 420.8 | 424.9 | 430.7 | 436.0 | 430.3 | 424.5 | 419.1 | 413.8 | 408.4 |
| 27.5° | 382.0 | 385.7 | 389.4 | 392.7 | 398.1 | 403.0 | 397.6 | 392.3 | 387.7 | 383.2 | 379.1 |
| 30° | 356.8 | 359.2 | 362.1 | 365.0 | 370.0 | 374.5 | 370.0 | 365.0 | 361.7 | 358.0 | 355.1 |
| 32.5° | 335.3 | 337.8 | 339.0 | 340.3 | 344.8 | 349.3 | 346.0 | 342.7 | 339.8 | 336.9 | 334.9 |
| 35° | 311.8 | 316.7 | 317.5 | 318.4 | 322.9 | 327.5 | 325.4 | 322.9 | 319.6 | 316.3 | 312.6 |
| 37.5° | 287.8 | 293.6 | 296.9 | 299.8 | 304.3 | 308.9 | 306.8 | 304.7 | 300.2 | 295.7 | 289.0 |
| 40° | 267.6 | 270.1 | 276.2 | 282.0 | 289.5 | 296.5 | 292.4 | 287.8 | 280.8 | 273.8 | 270.5 |
| 42.5° | 250.6 | 250.2 | 256.0 | 261.8 | 272.9 | 283.7 | 276.2 | 268.8 | 262.2 | 255.6 | 254.8 |
| 45° | 235.8 | 234.5 | 237.4 | 240.3 | 252.3 | 263.9 | 256.4 | 248.6 | 244.9 | 241.1 | 241.1 |
| 47.5° | 222.6 | 221.7 | 223.8 | 225.5 | 232.9 | 239.9 | 236.2 | 232.5 | 230.4 | 228.3 | 228.8 |
| 50° | 210.6 | 209.8 | 211.8 | 213.5 | 216.4 | 218.9 | 219.7 | 220.1 | 218.9 | 217.6 | 218.4 |
| 52.5° | 199.4 | 199.4 | 200.3 | 200.7 | 204.4 | 208.1 | 208.1 | 207.7 | 207.7 | 207.7 | 208.5 |
| 55° | 189.9 | 190.8 | 190.8 | 190.8 | 196.6 | 201.9 | 200.3 | 198.6 | 199.0 | 199.0 | 199.9 |
| 57.5° | 180.4 | 181.7 | 182.5 | 183.3 | 189.1 | 194.9 | 193.2 | 191.6 | 191.6 | 191.6 | 192.0 |
| 60° | 169.7 | 171.4 | 173.0 | 174.7 | 180.4 | 186.2 | 184.6 | 182.5 | 182.9 | 183.3 | 183.8 |
| 62.5° | 159.4 | 161.0 | 162.7 | 164.3 | 170.1 | 175.9 | 174.3 | 172.2 | 173.4 | 174.3 | 174.3 |
| 65° | 149.5 | 150.7 | 152.4 | 154.0 | 159.4 | 164.8 | 163.1 | 161.5 | 163.1 | 164.3 | 165.2 |
| 67.5° | 138.3 | 139.2 | 140.8 | 142.5 | 147.8 | 153.2 | 151.5 | 149.5 | 151.5 | 153.2 | 154.8 |
| 70° | 125.5 | 126.4 | 128.4 | 130.1 | 135.4 | 140.8 | 138.7 | 136.7 | 138.7 | 140.8 | 142.5 |
| 72.5° | 111.5 | 112.3 | 114.4 | 116.0 | 122.2 | 128.4 | 125.9 | 123.5 | 125.9 | 128.4 | 129.2 |
| 75° | 96.2 | 97.0 | 99.5 | 101.6 | 107.8 | 114.0 | 111.9 | 109.4 | 111.5 | 113.6 | 114.0 |
| 77.5° | 79.7 | 80.9 | 84.2 | 87.5 | 92.5 | 97.5 | 96.2 | 95.0 | 96.2 | 97.5 | 97.5 |
| 80° | 62.4 | 63.6 | 67.7 | 71.4 | 74.3 | 77.2 | 77.6 | 78.0 | 78.5 | 78.9 | 78.5 |
| 82.5° | 46.2 | 47.9 | 51.6 | 55.3 | 55.3 | 55.3 | 58.6 | 61.5 | 61.5 | 61.1 | 60.7 |
| 85° | 28.5 | 30.6 | 33.9 | 37.2 | 35.1 | 33.0 | 38.4 | 43.4 | 43.4 | 42.9 | 42.1 |
| 87.5° | 5.8 | 7.8 | 11.1 | 14.0 | 12.0 | 9.9 | 15.3 | 20.6 | 21.1 | 21.1 | 20.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 2639.0 | 2671.2 | 2703.0 | 2711.3 | 2723.7 | 2729.0 | 2734.0 | 2774.5 | 2814.5 | 2861.6 | 2908.7 |
| 5° | 2113.8 | 2137.7 | 2161.7 | 2165.4 | 2178.2 | 2184.8 | 2191.4 | 2240.5 | 2289.3 | 2354.9 | 2420.6 |
| 7.5° | 1593.1 | 1598.8 | 1604.6 | 1603.8 | 1614.5 | 1629.0 | 1643.0 | 1695.5 | 1747.5 | 1818.1 | 1888.3 |
| 10° | 1206.6 | 1219.8 | 1232.6 | 1244.6 | 1268.1 | 1295.3 | 1322.2 | 1375.9 | 1429.6 | 1499.3 | 1568.7 |
| 12.5° | 955.9 | 971.2 | 986.1 | 999.3 | 1026.5 | 1062.9 | 1098.8 | 1163.2 | 1227.6 | 1311.0 | 1394.0 |
| 15° | 780.4 | 779.2 | 778.0 | 787.0 | 811.0 | 850.6 | 889.9 | 958.0 | 1026.1 | 1117.8 | 1209.0 |
| 17.5° | 615.7 | 609.5 | 603.3 | 610.3 | 632.6 | 665.2 | 697.4 | 755.2 | 812.6 | 901.4 | 990.2 |
| 20° | 498.0 | 493.9 | 489.7 | 496.3 | 510.4 | 524.0 | 537.6 | 579.3 | 620.6 | 692.9 | 764.7 |
| 22.5° | 438.1 | 437.7 | 436.9 | 440.6 | 447.2 | 454.2 | 460.8 | 481.1 | 500.9 | 547.5 | 593.8 |
| 25° | 403.0 | 402.6 | 402.2 | 403.8 | 409.2 | 414.6 | 419.9 | 433.2 | 446.4 | 468.7 | 491.0 |
| 27.5° | 374.9 | 374.1 | 373.3 | 373.7 | 374.9 | 383.2 | 391.0 | 397.2 | 403.0 | 418.3 | 433.2 |
| 30° | 352.2 | 351.8 | 351.4 | 351.4 | 350.2 | 353.1 | 355.9 | 365.4 | 374.5 | 390.2 | 405.9 |
| 32.5° | 332.8 | 330.8 | 328.7 | 324.1 | 321.3 | 325.4 | 329.5 | 339.4 | 349.3 | 363.8 | 378.2 |
| 35° | 308.5 | 303.1 | 297.3 | 294.8 | 295.2 | 299.4 | 303.5 | 313.4 | 322.9 | 338.6 | 353.9 |
| 37.5° | 282.0 | 280.4 | 278.3 | 277.9 | 279.1 | 283.3 | 287.4 | 296.1 | 304.3 | 320.0 | 335.3 |
| 40° | 267.2 | 266.3 | 265.5 | 264.7 | 265.5 | 269.6 | 273.8 | 282.0 | 289.9 | 305.2 | 320.0 |
| 42.5° | 253.9 | 253.5 | 253.1 | 253.1 | 253.5 | 258.1 | 262.6 | 270.9 | 278.7 | 292.4 | 306.0 |
| 45° | 241.1 | 241.6 | 241.6 | 242.4 | 243.6 | 248.2 | 252.3 | 261.4 | 270.5 | 283.7 | 296.9 |
| 47.5° | 229.2 | 230.4 | 231.2 | 233.3 | 234.5 | 239.5 | 244.0 | 253.9 | 263.9 | 280.4 | 296.5 |
| 50° | 218.9 | 220.1 | 220.9 | 222.6 | 225.9 | 231.7 | 237.4 | 249.4 | 261.0 | 288.6 | 315.9 |
| 52.5° | 209.4 | 210.6 | 211.8 | 213.5 | 217.6 | 224.2 | 230.8 | 245.7 | 260.1 | 292.4 | 324.6 |
| 55° | 200.7 | 201.9 | 202.7 | 205.2 | 209.4 | 215.1 | 220.5 | 238.7 | 256.8 | 280.4 | 303.9 |
| 57.5° | 192.4 | 193.7 | 194.5 | 196.1 | 198.2 | 204.4 | 210.2 | 229.6 | 249.0 | 265.5 | 281.6 |
| 60° | 183.8 | 184.6 | 185.0 | 185.0 | 186.6 | 193.7 | 200.7 | 225.5 | 249.8 | 246.9 | 243.6 |
| 62.5° | 174.3 | 175.1 | 175.5 | 174.3 | 176.3 | 183.8 | 191.2 | 223.4 | 255.6 | 235.8 | 216.0 |
| 65° | 165.6 | 165.2 | 164.8 | 163.5 | 166.0 | 173.4 | 180.4 | 196.6 | 212.7 | 204.8 | 197.0 |
| 67.5° | 156.1 | 154.8 | 153.6 | 152.0 | 154.4 | 161.0 | 167.2 | 172.6 | 178.0 | 178.8 | 179.6 |
| 70° | 144.1 | 142.5 | 140.8 | 140.4 | 141.6 | 147.0 | 152.4 | 156.1 | 159.4 | 161.0 | 162.3 |
| 72.5° | 130.1 | 128.8 | 127.6 | 126.8 | 127.2 | 131.7 | 135.9 | 139.2 | 142.5 | 143.7 | 144.5 |
| 75° | 114.4 | 114.4 | 114.0 | 111.5 | 111.5 | 115.2 | 118.5 | 121.4 | 124.3 | 125.9 | 127.6 |
| 77.5° | 97.5 | 97.9 | 97.9 | 94.6 | 94.1 | 97.9 | 101.2 | 103.6 | 105.7 | 107.4 | 108.6 |
| 80° | 78.0 | 77.2 | 76.4 | 74.3 | 73.5 | 78.0 | 82.2 | 84.2 | 85.9 | 86.3 | 86.3 |
| 82.5° | 59.9 | 58.2 | 56.2 | 51.6 | 52.0 | 57.0 | 61.5 | 63.2 | 64.8 | 64.8 | 64.8 |
| 85° | 40.9 | 37.6 | 33.9 | 30.1 | 30.6 | 35.9 | 40.9 | 42.5 | 44.2 | 45.0 | 45.4 |
| 87.5° | 19.4 | 16.1 | 12.4 | 9.5 | 9.5 | 14.0 | 18.2 | 19.0 | 19.8 | 21.5 | 23.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 2944.6 | 2980.1 | 3016.8 | 3053.6 | 3095.7 | 3137.8 | 3187.0 | 3235.7 | 3277.4 | 3319.1 | 3353.8 |
| 5° | 2477.1 | 2533.7 | 2600.2 | 2666.7 | 2751.3 | 2836.0 | 2939.6 | 3042.9 | 3134.9 | 3227.0 | 3334.0 |
| 7.5° | 1962.2 | 2035.7 | 2122.4 | 2209.2 | 2318.6 | 2428.0 | 2562.2 | 2696.4 | 2826.5 | 2956.1 | 3120.5 |
| 10° | 1645.9 | 1723.1 | 1808.6 | 1893.7 | 2005.2 | 2116.2 | 2258.3 | 2399.9 | 2546.1 | 2691.9 | 2877.7 |
| 12.5° | 1479.9 | 1565.4 | 1640.6 | 1715.7 | 1806.1 | 1896.2 | 2033.7 | 2171.2 | 2342.9 | 2514.3 | 2693.1 |
| 15° | 1302.8 | 1396.1 | 1486.1 | 1576.1 | 1674.8 | 1773.1 | 1906.9 | 2040.7 | 2228.6 | 2416.4 | 2622.1 |
| 17.5° | 1088.5 | 1186.7 | 1296.6 | 1406.0 | 1534.8 | 1663.3 | 1834.6 | 2006.0 | 2228.6 | 2450.7 | 2693.1 |
| 20° | 865.1 | 965.4 | 1096.7 | 1228.0 | 1388.3 | 1548.1 | 1770.2 | 1992.4 | 2292.2 | 2591.5 | 2900.8 |
| 22.5° | 682.6 | 770.9 | 914.2 | 1057.1 | 1242.1 | 1427.1 | 1712.0 | 1996.5 | 2388.4 | 2779.8 | 3197.3 |
| 25° | 553.3 | 615.7 | 756.5 | 896.9 | 1110.4 | 1323.8 | 1676.5 | 2028.7 | 2528.3 | 3027.6 | 3545.4 |
| 27.5° | 474.0 | 514.9 | 646.2 | 777.1 | 1010.4 | 1243.3 | 1662.0 | 2080.3 | 2705.9 | 3331.5 | 3924.0 |
| 30° | 434.4 | 462.9 | 574.0 | 684.6 | 921.7 | 1158.7 | 1644.7 | 2130.7 | 2876.9 | 3622.6 | 4220.1 |
| 32.5° | 401.4 | 424.1 | 519.0 | 613.6 | 844.8 | 1076.1 | 1611.2 | 2146.0 | 2996.2 | 3846.4 | 4470.8 |
| 35° | 373.3 | 392.3 | 474.9 | 557.5 | 784.6 | 1011.7 | 1555.1 | 2098.5 | 3070.9 | 4043.4 | 4731.7 |
| 37.5° | 350.6 | 365.4 | 441.8 | 518.2 | 732.5 | 946.8 | 1491.1 | 2035.3 | 3137.4 | 4239.5 | 5025.3 |
| 40° | 332.8 | 345.6 | 417.1 | 488.5 | 683.0 | 877.5 | 1436.2 | 1994.4 | 3229.1 | 4463.7 | 5335.4 |
| 42.5° | 322.9 | 339.4 | 395.6 | 451.3 | 635.9 | 820.5 | 1392.0 | 1963.5 | 3314.1 | 4664.4 | 5606.7 |
| 45° | 320.4 | 344.0 | 384.4 | 424.9 | 600.8 | 776.7 | 1352.7 | 1928.4 | 3369.1 | 4809.8 | 5811.1 |
| 47.5° | 316.3 | 335.7 | 375.8 | 415.8 | 583.5 | 750.7 | 1331.7 | 1912.3 | 3424.0 | 4935.3 | 5980.8 |
| 50° | 318.8 | 321.3 | 368.7 | 415.8 | 581.0 | 746.2 | 1355.6 | 1965.1 | 3542.9 | 5120.3 | 6174.9 |
| 52.5° | 314.2 | 303.5 | 355.5 | 407.6 | 580.6 | 753.6 | 1424.6 | 2095.6 | 3763.8 | 5431.6 | 6385.1 |
| 55° | 290.3 | 276.2 | 330.8 | 385.3 | 571.9 | 758.1 | 1506.8 | 2255.0 | 4060.3 | 5865.2 | 6762.9 |
| 57.5° | 269.2 | 256.4 | 302.7 | 348.5 | 545.5 | 742.4 | 1591.4 | 2440.0 | 4373.7 | 6307.0 | 7188.6 |
| 60° | 241.1 | 238.3 | 271.3 | 304.3 | 504.6 | 704.5 | 1661.2 | 2617.5 | 4584.3 | 6550.7 | 7352.6 |
| 62.5° | 218.0 | 219.7 | 244.0 | 268.4 | 453.4 | 638.0 | 1684.3 | 2730.3 | 4578.5 | 6426.8 | 7187.4 |
| 65° | 200.3 | 203.2 | 227.1 | 251.1 | 409.6 | 568.2 | 1608.3 | 2648.1 | 4346.9 | 6045.2 | 6860.8 |
| 67.5° | 182.9 | 186.2 | 214.7 | 242.8 | 370.8 | 498.4 | 1418.4 | 2338.0 | 3930.2 | 5522.1 | 6445.4 |
| 70° | 166.4 | 170.5 | 201.5 | 232.5 | 342.7 | 452.6 | 1173.5 | 1894.5 | 3408.7 | 4922.5 | 5964.3 |
| 72.5° | 148.7 | 152.8 | 185.8 | 218.9 | 325.0 | 430.7 | 956.7 | 1482.4 | 2766.2 | 4049.6 | 5101.7 |
| 75° | 130.5 | 133.4 | 169.3 | 204.8 | 300.6 | 396.4 | 750.7 | 1104.6 | 2117.1 | 3129.6 | 3853.4 |
| 77.5° | 112.3 | 116.0 | 146.2 | 175.9 | 255.2 | 334.1 | 565.7 | 797.4 | 1553.4 | 2309.1 | 2679.9 |
| 80° | 89.6 | 92.9 | 114.4 | 135.4 | 197.0 | 258.1 | 389.0 | 519.9 | 1069.1 | 1618.3 | 1827.2 |
| 82.5° | 68.5 | 72.3 | 86.7 | 100.8 | 140.4 | 180.0 | 235.8 | 291.5 | 710.2 | 1128.5 | 1145.9 |
| 85° | 47.1 | 48.3 | 58.6 | 68.5 | 86.7 | 104.9 | 135.0 | 165.2 | 469.9 | 774.6 | 645.4 |
| 87.5° | 23.5 | 23.5 | 30.6 | 37.6 | 46.7 | 55.7 | 71.4 | 86.7 | 150.3 | 213.9 | 123.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316

CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 3398.0 | 3428.1 | 3458.7 | 3481.8 | 3505.3 | 3539.2 | 3573.0 | 3579.2 | 3585.9 | 3572.6 | 3559.4 |
| 5° | 3441.7 | 3533.0 | 3624.7 | 3709.3 | 3794.0 | 3844.8 | 3895.5 | 3905.9 | 3916.2 | 3884.4 | 3852.2 |
| 7.5° | 3279.5 | 3438.4 | 3597.4 | 3743.2 | 3888.9 | 3977.3 | 4066.1 | 4085.9 | 4106.1 | 4054.1 | 4002.1 |
| 10° | 3062.7 | 3258.0 | 3453.3 | 3645.3 | 3837.3 | 3965.7 | 4094.2 | 4119.8 | 4145.4 | 4080.5 | 4015.7 |
| 12.5° | 2895.0 | 3103.6 | 3312.1 | 3514.4 | 3717.2 | 3850.1 | 3983.1 | 4014.9 | 4046.7 | 3999.6 | 3952.1 |
| 15° | 2843.4 | 3039.5 | 3235.7 | 3412.0 | 3588.7 | 3697.3 | 3806.4 | 3819.2 | 3832.4 | 3824.9 | 3817.5 |
| 17.5° | 2937.1 | 3114.3 | 3291.8 | 3387.6 | 3483.9 | 3527.2 | 3571.0 | 3585.0 | 3599.5 | 3618.1 | 3637.1 |
| 20° | 3164.3 | 3289.0 | 3414.1 | 3409.9 | 3405.4 | 3384.3 | 3362.9 | 3359.2 | 3355.4 | 3408.7 | 3462.4 |
| 22.5° | 3503.3 | 3552.8 | 3602.8 | 3486.7 | 3370.7 | 3300.1 | 3229.1 | 3215.0 | 3200.6 | 3257.2 | 3314.1 |
| 25° | 3871.2 | 3862.1 | 3852.6 | 3631.7 | 3410.4 | 3275.7 | 3141.1 | 3125.4 | 3109.7 | 3158.1 | 3206.8 |
| 27.5° | 4235.4 | 4175.9 | 4116.5 | 3816.3 | 3516.1 | 3320.8 | 3125.4 | 3109.7 | 3094.1 | 3137.0 | 3179.9 |
| 30° | 4502.5 | 4407.2 | 4311.8 | 3971.9 | 3632.1 | 3400.0 | 3168.0 | 3142.4 | 3116.4 | 3169.2 | 3222.1 |
| 32.5° | 4711.1 | 4583.1 | 4455.1 | 4098.3 | 3741.5 | 3490.5 | 3239.4 | 3199.4 | 3159.3 | 3229.9 | 3300.5 |
| 35° | 4919.2 | 4739.2 | 4558.7 | 4211.0 | 3862.9 | 3597.4 | 3331.5 | 3282.3 | 3233.2 | 3330.2 | 3427.3 |
| 37.5° | 5181.0 | 4922.5 | 4663.6 | 4337.8 | 4012.0 | 3757.6 | 3502.9 | 3452.5 | 3402.1 | 3525.6 | 3649.4 |
| 40° | 5465.1 | 5120.3 | 4775.5 | 4476.5 | 4177.6 | 3979.4 | 3780.8 | 3732.9 | 3684.5 | 3834.8 | 3985.1 |
| 42.5° | 5701.3 | 5304.4 | 4907.6 | 4643.8 | 4379.5 | 4239.9 | 4099.9 | 4099.5 | 4098.7 | 4251.1 | 4403.4 |
| 45° | 5893.3 | 5458.1 | 5022.4 | 4806.9 | 4590.9 | 4518.2 | 4445.6 | 4503.8 | 4562.0 | 4699.5 | 4837.4 |
| 47.5° | 6036.6 | 5586.9 | 5136.8 | 4993.5 | 4850.2 | 4861.0 | 4871.7 | 4990.2 | 5108.7 | 5197.1 | 5285.9 |
| 50° | 6129.9 | 5703.7 | 5277.2 | 5233.0 | 5188.8 | 5285.0 | 5381.7 | 5517.5 | 5653.8 | 5714.1 | 5774.4 |
| 52.5° | 6265.7 | 5862.3 | 5458.5 | 5508.0 | 5557.6 | 5754.1 | 5950.7 | 6088.2 | 6225.7 | 6248.0 | 6270.7 |
| 55° | 6580.0 | 6153.8 | 5727.3 | 5822.3 | 5917.6 | 6205.9 | 6494.5 | 6601.9 | 6709.2 | 6717.5 | 6725.7 |
| 57.5° | 7026.4 | 6562.2 | 6098.1 | 6200.5 | 6302.9 | 6635.7 | 6969.0 | 7084.6 | 7200.6 | 7184.5 | 7168.0 |
| 60° | 7360.4 | 6950.0 | 6539.1 | 6642.3 | 6745.6 | 7070.1 | 7394.7 | 7527.6 | 7661.0 | 7625.5 | 7590.0 |
| 62.5° | 7381.1 | 7161.8 | 6942.1 | 7035.4 | 7129.2 | 7447.1 | 7765.1 | 7901.8 | 8038.4 | 7976.5 | 7914.6 |
| 65° | 7052.8 | 7151.1 | 7249.3 | 7280.3 | 7311.3 | 7607.8 | 7904.6 | 8009.1 | 8114.0 | 8082.6 | 8051.2 |
| 67.5° | 6600.6 | 6962.8 | 7325.3 | 7263.0 | 7200.6 | 7339.8 | 7478.9 | 7586.7 | 7694.5 | 7676.7 | 7658.5 |
| 70° | 6149.3 | 6632.8 | 7116.4 | 6810.0 | 6503.2 | 6445.8 | 6388.4 | 6504.4 | 6620.9 | 6549.0 | 6476.7 |
| 72.5° | 5380.8 | 5896.2 | 6411.9 | 5847.4 | 5283.0 | 5086.8 | 4890.7 | 5038.1 | 5185.5 | 5071.1 | 4956.4 |
| 75° | 4223.8 | 4793.2 | 5363.1 | 4689.6 | 4016.1 | 3754.3 | 3492.5 | 3619.3 | 3746.1 | 3667.6 | 3588.7 |
| 77.5° | 3144.4 | 3705.6 | 4266.8 | 3582.1 | 2897.1 | 2702.6 | 2507.7 | 2545.3 | 2583.3 | 2570.1 | 2556.4 |
| 80° | 2132.8 | 2523.8 | 2915.3 | 2459.4 | 2003.5 | 2018.4 | 2033.7 | 2015.9 | 1997.7 | 2024.2 | 2050.6 |
| 82.5° | 1361.0 | 1662.9 | 1965.1 | 1723.1 | 1481.2 | 1619.9 | 1758.7 | 1690.5 | 1622.0 | 1647.2 | 1672.8 |
| 85° | 776.7 | 1072.0 | 1367.6 | 1274.7 | 1181.4 | 1262.3 | 1343.7 | 1238.0 | 1132.2 | 1178.5 | 1225.2 |
| 87.5° | 204.8 | 593.0 | 981.5 | 891.1 | 800.7 | 695.8 | 590.9 | 450.9 | 310.9 | 454.2 | 597.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316

CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 | 3146.5 |
| 2.5° | 3552.4 | 3545.4 | 3520.2 | 3494.6 | 3456.6 | 3425.2 | 3370.7 |
| 5° | 3807.6 | 3763.0 | 3686.2 | 3609.0 | 3523.1 | 3424.4 | 3315.0 |
| 7.5° | 3898.0 | 3793.6 | 3646.1 | 3498.3 | 3365.3 | 3209.3 | 3063.9 |
| 10° | 3859.6 | 3703.1 | 3511.5 | 3319.5 | 3158.1 | 2978.4 | 2817.0 |
| 12.5° | 3786.1 | 3619.7 | 3408.7 | 3197.3 | 3013.5 | 2820.7 | 2639.8 |
| 15° | 3685.0 | 3552.0 | 3354.2 | 3156.4 | 2971.4 | 2783.9 | 2569.6 |
| 17.5° | 3574.3 | 3511.1 | 3368.2 | 3225.0 | 3064.7 | 2883.0 | 2631.6 |
| 20° | 3485.1 | 3508.2 | 3451.2 | 3394.3 | 3265.8 | 3107.3 | 2824.8 |
| 22.5° | 3424.8 | 3535.9 | 3579.7 | 3623.8 | 3546.6 | 3422.7 | 3096.1 |
| 25° | 3390.9 | 3575.1 | 3721.7 | 3868.7 | 3834.4 | 3739.0 | 3425.6 |
| 27.5° | 3405.8 | 3631.7 | 3859.2 | 4087.1 | 4118.9 | 4092.5 | 3772.9 |
| 30° | 3450.4 | 3679.2 | 3956.2 | 4233.7 | 4360.5 | 4396.0 | 4062.4 |
| 32.5° | 3524.7 | 3749.0 | 4050.8 | 4353.1 | 4544.7 | 4657.8 | 4327.1 |
| 35° | 3637.1 | 3846.8 | 4161.5 | 4476.1 | 4723.9 | 4930.3 | 4600.4 |
| 37.5° | 3829.9 | 4010.3 | 4300.6 | 4591.3 | 4912.6 | 5222.7 | 4901.4 |
| 40° | 4112.3 | 4239.9 | 4485.2 | 4730.9 | 5135.1 | 5553.9 | 5237.1 |
| 42.5° | 4468.7 | 4534.3 | 4728.8 | 4923.3 | 5367.6 | 5854.5 | 5565.4 |
| 45° | 4854.8 | 4872.1 | 4994.3 | 5117.0 | 5551.8 | 6059.3 | 5811.9 |
| 47.5° | 5226.4 | 5166.9 | 5215.7 | 5264.4 | 5693.0 | 6205.5 | 5999.0 |
| 50° | 5608.8 | 5443.2 | 5417.6 | 5392.0 | 5834.2 | 6377.6 | 6236.8 |
| 52.5° | 5997.8 | 5724.8 | 5623.6 | 5522.1 | 6002.7 | 6606.0 | 6532.9 |
| 55° | 6378.5 | 6031.2 | 5894.9 | 5758.7 | 6260.4 | 6884.7 | 6967.7 |
| 57.5° | 6774.5 | 6380.9 | 6254.6 | 6128.2 | 6639.0 | 7237.8 | 7357.9 |
| 60° | 7200.6 | 6810.8 | 6709.6 | 6608.1 | 7109.8 | 7619.3 | 7531.8 |
| 62.5° | 7604.9 | 7295.2 | 7241.9 | 7188.2 | 7585.9 | 7912.5 | 7464.1 |
| 65° | 7874.9 | 7698.2 | 7747.7 | 7797.7 | 7945.9 | 7985.6 | 7265.8 |
| 67.5° | 7694.5 | 7730.4 | 7939.7 | 8149.5 | 8047.5 | 7768.4 | 6875.2 |
| 70° | 6691.9 | 6907.4 | 7403.4 | 7899.7 | 7673.4 | 7186.6 | 6174.1 |
| 72.5° | 5198.3 | 5440.7 | 6177.0 | 6913.6 | 6705.1 | 6108.8 | 5071.1 |
| 75° | 3862.1 | 4135.9 | 4948.5 | 5761.1 | 5471.7 | 4569.4 | 3630.9 |
| 77.5° | 2739.8 | 2923.1 | 3725.4 | 4528.1 | 4056.2 | 3041.6 | 2443.3 |
| 80° | 1994.4 | 1938.3 | 2385.5 | 2832.7 | 2754.2 | 2011.8 | 1569.1 |
| 82.5° | 1535.7 | 1398.6 | 1609.2 | 1819.8 | 1808.2 | 1396.1 | 1151.2 |
| 85° | 1170.2 | 1115.3 | 1301.5 | 1487.8 | 1328.4 | 945.6 | 731.7 |
| 87.5° | 682.2 | 767.2 | 986.5 | 1206.2 | 905.1 | 287.0 | 142.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P362316
 CATALOG NUMBER: NVN-SA2B-750-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

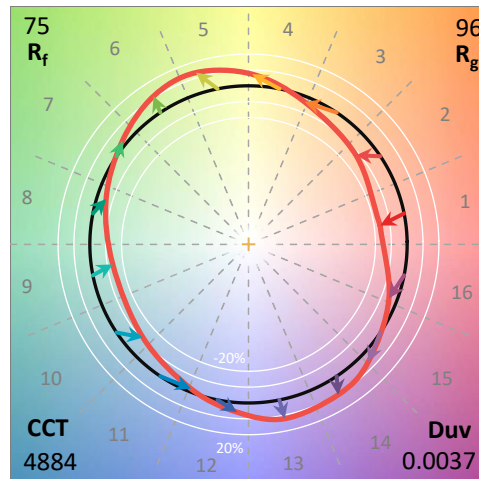
Test Information

Test Method: LM-79-2008
 Report Number: SP1-1908-441-4-R4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/28/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGRAW-EDISON
 Catalog Number: **SA1C-750-U-5WQ**
 Description: McGRAW EDISON ROADWAY AND AREA LUMINAIRE

THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

Spectral Parameters

| | | | | | |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K): | 4884 | CRI (Ra): | 73.5 | R9: | -28.4 |
| CIE u': | 0.2101 | R1: | 70.5 | R10: | 48.6 |
| CIE v': | 0.4904 | R2: | 77.7 | R11: | 73.2 |
| Duv: | 0.0037 | R3: | 84.6 | R12: | 50.7 |
| CIE x: | 0.3493 | R4: | 74.7 | R13: | 71.2 |
| CIE y: | 0.3624 | R5: | 71.9 | R14: | 91.4 |
| CIE z: | 0.2884 | R6: | 70.7 | | |
| Peak Wavelength (nm): | 444 | R7: | 81.2 | | |
| Dominant Wavelength (nm): | 571 | R8: | 56.9 | | |
| Purity: | 13.7 | | | | |
| Rf: | 74.9 | | | | |
| Rg: | 96.3 | | | | |



Test Conditions

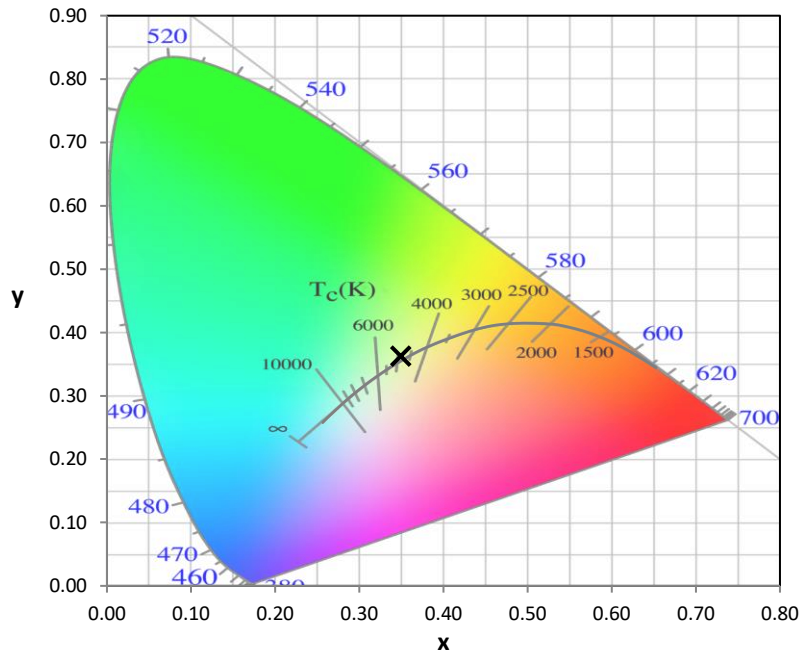
Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.0./44%
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-R4

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 12/5/2019 |
| AC Power Source | IN0063 | 12/5/2018 | 12/5/2019 |
| DC Power Source | IN0208 | 12/5/2018 | 12/5/2019 |
| Sphere Thermometer | IN0085 | 12/5/2018 | 12/5/2019 |
| Room Thermometer | IN0046 | 12/5/2018 | 12/5/2019 |

REPORT NUMBER: SP1-1908-441-4-R4

CIE 1931 Chromaticity Diagram



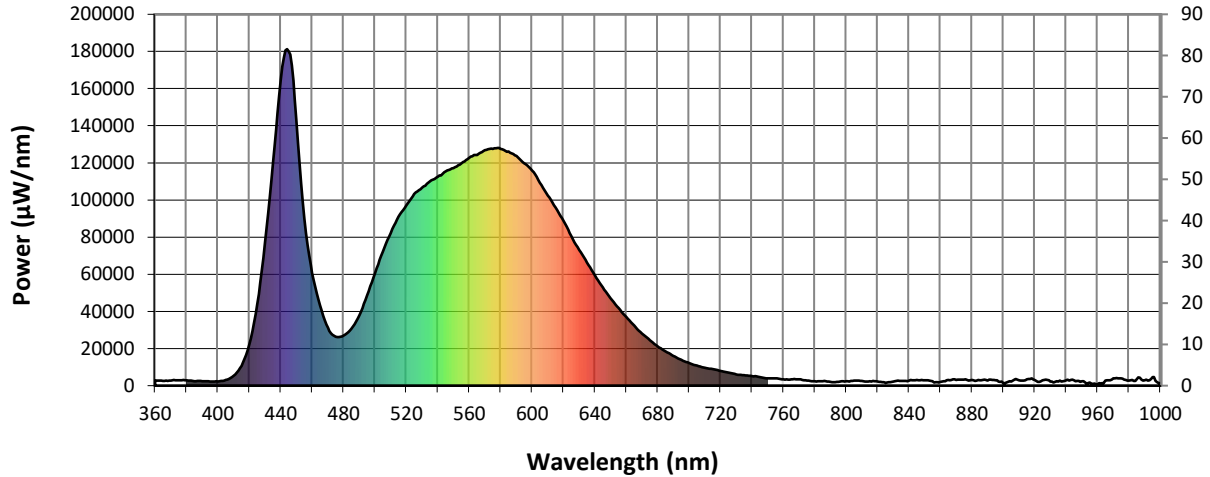
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-4-R4

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13493.5 S/P: 1.77

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

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Melanopic Flux vs. Wavelength



Melanopic Lumens: 5378.9 M/P: 0.71

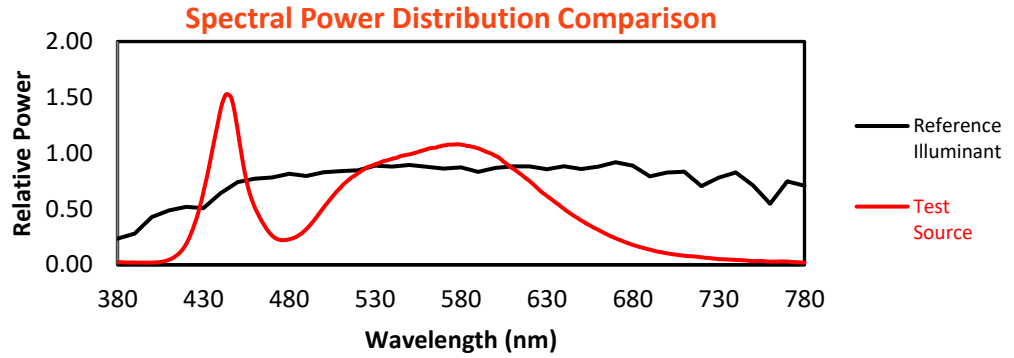
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

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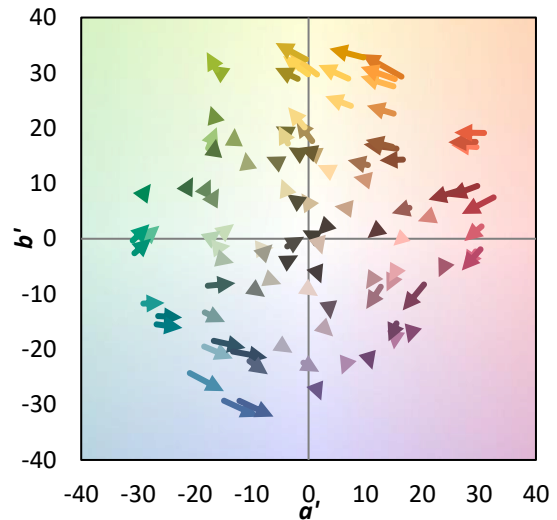
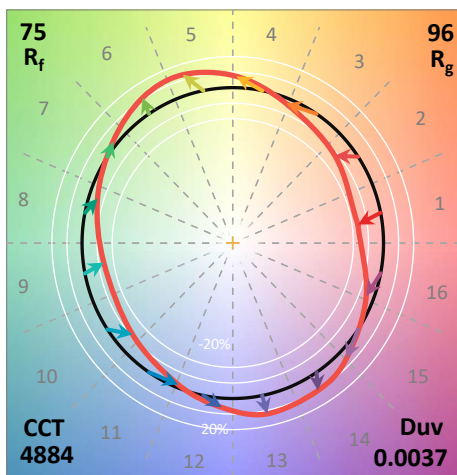
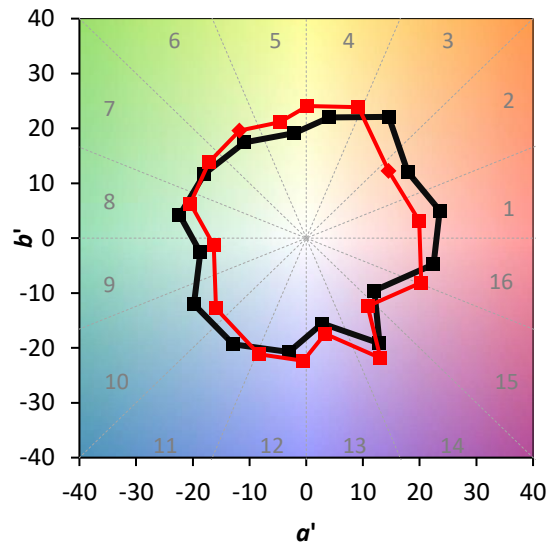
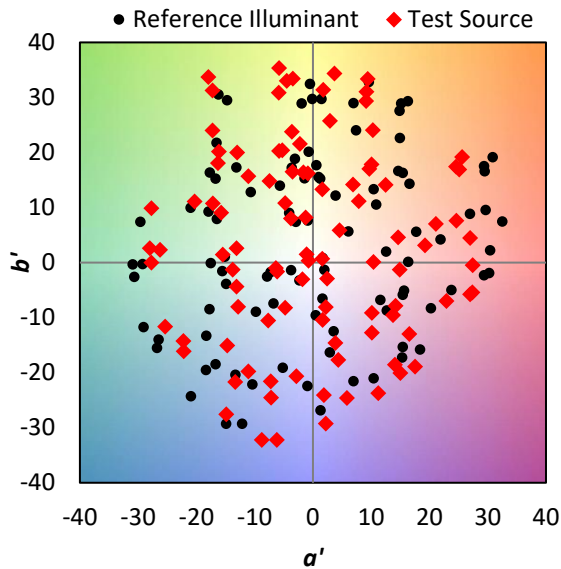
TM-30-18

Summary

$R_f = 74.9$
 $R_g = 96.3$
 CIE $R_a = 73.5$
 $R_g = -28.4$



Color Vector Graphics

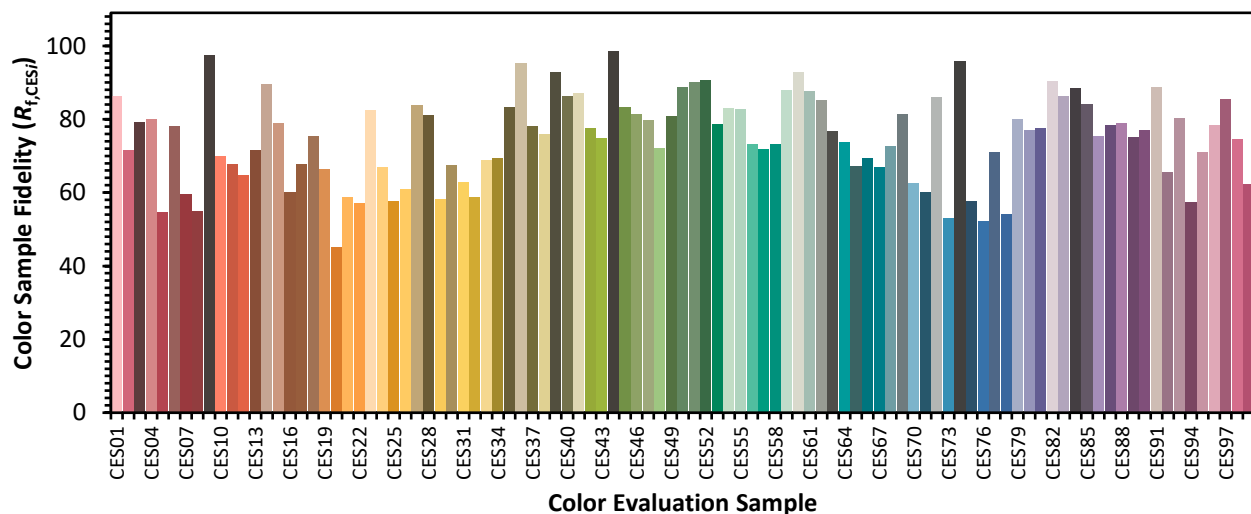


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Individual Sample Fidelity Index ($R_{f,i}$)

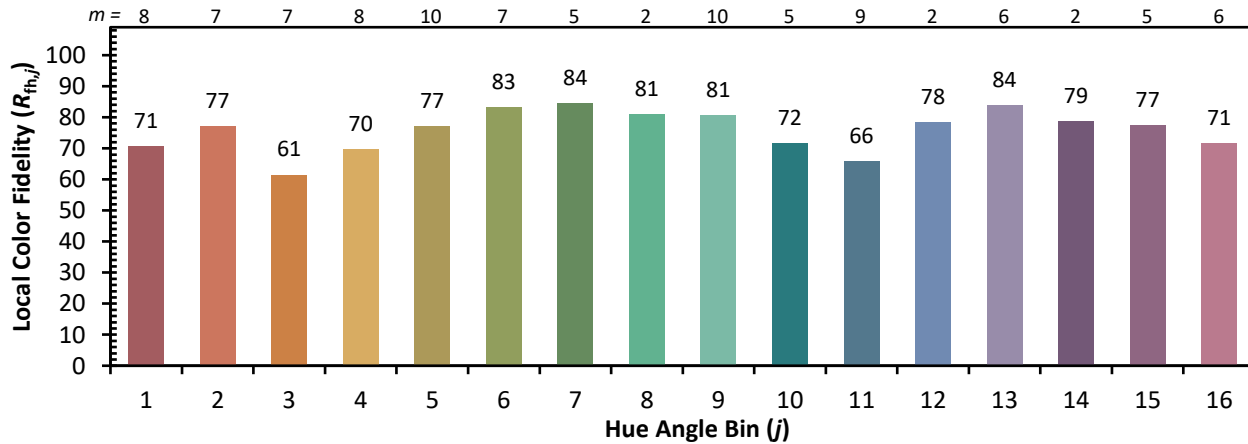
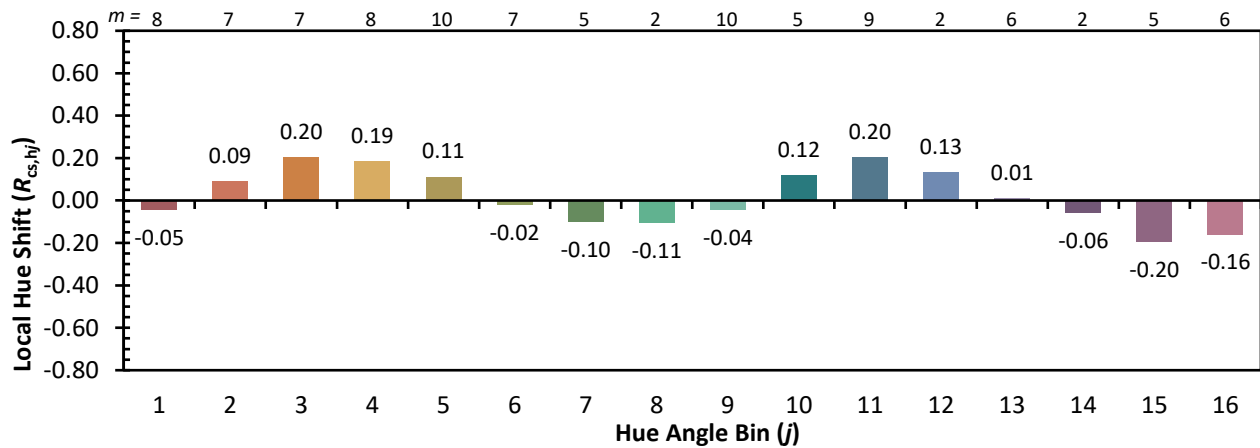
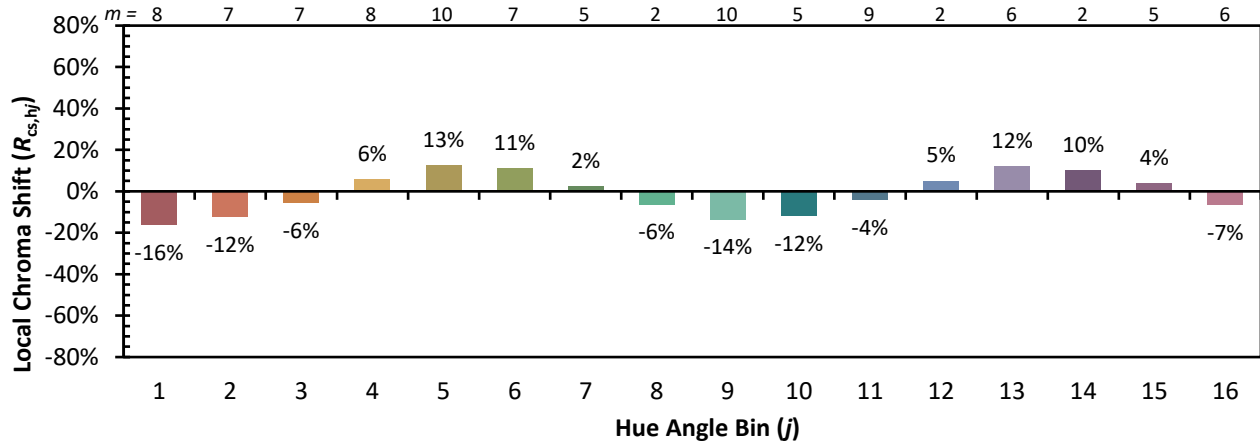
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|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 61 | CES51 = 90 | CES76 = 52 |
| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
| CES25 = 71 | CES50 = 89 | CES75 = 58 | |



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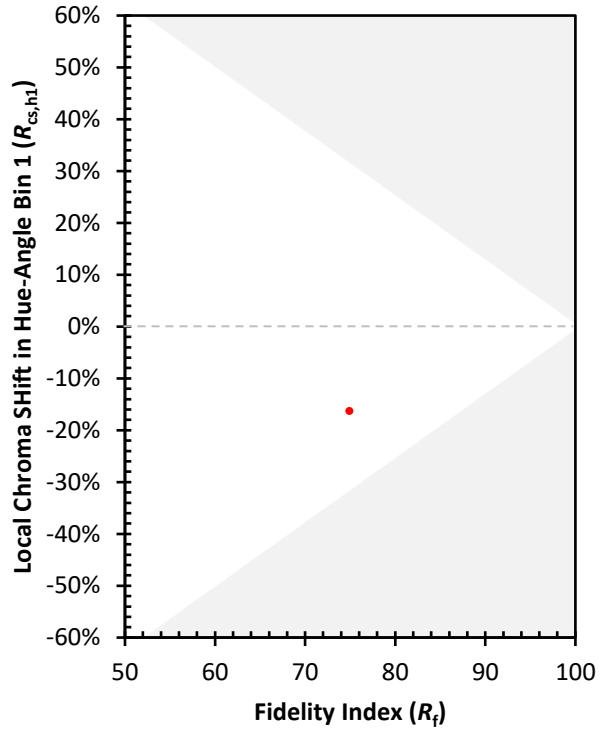
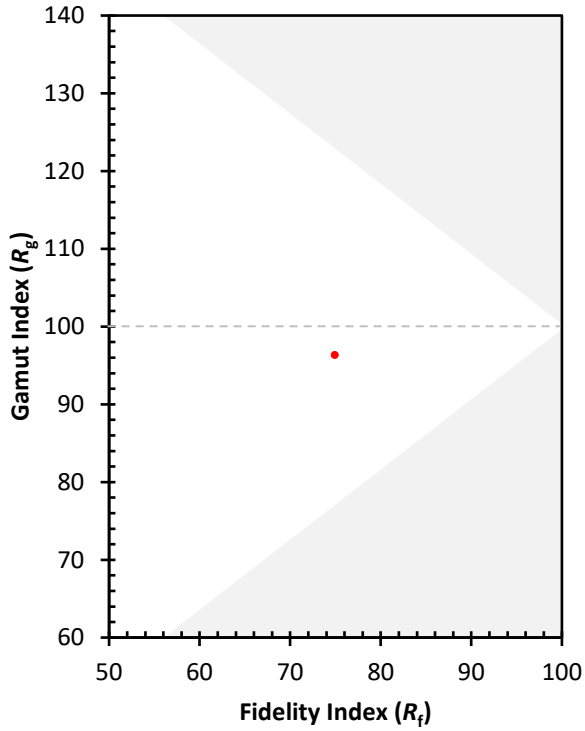
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)