

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: P360214

Luminaire Tested: NVN-SA6C-740-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P360214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: NVN-SA6C-740-U-SLR-HSS
Description: NAVION ROADWAY AND AREA LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31889 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

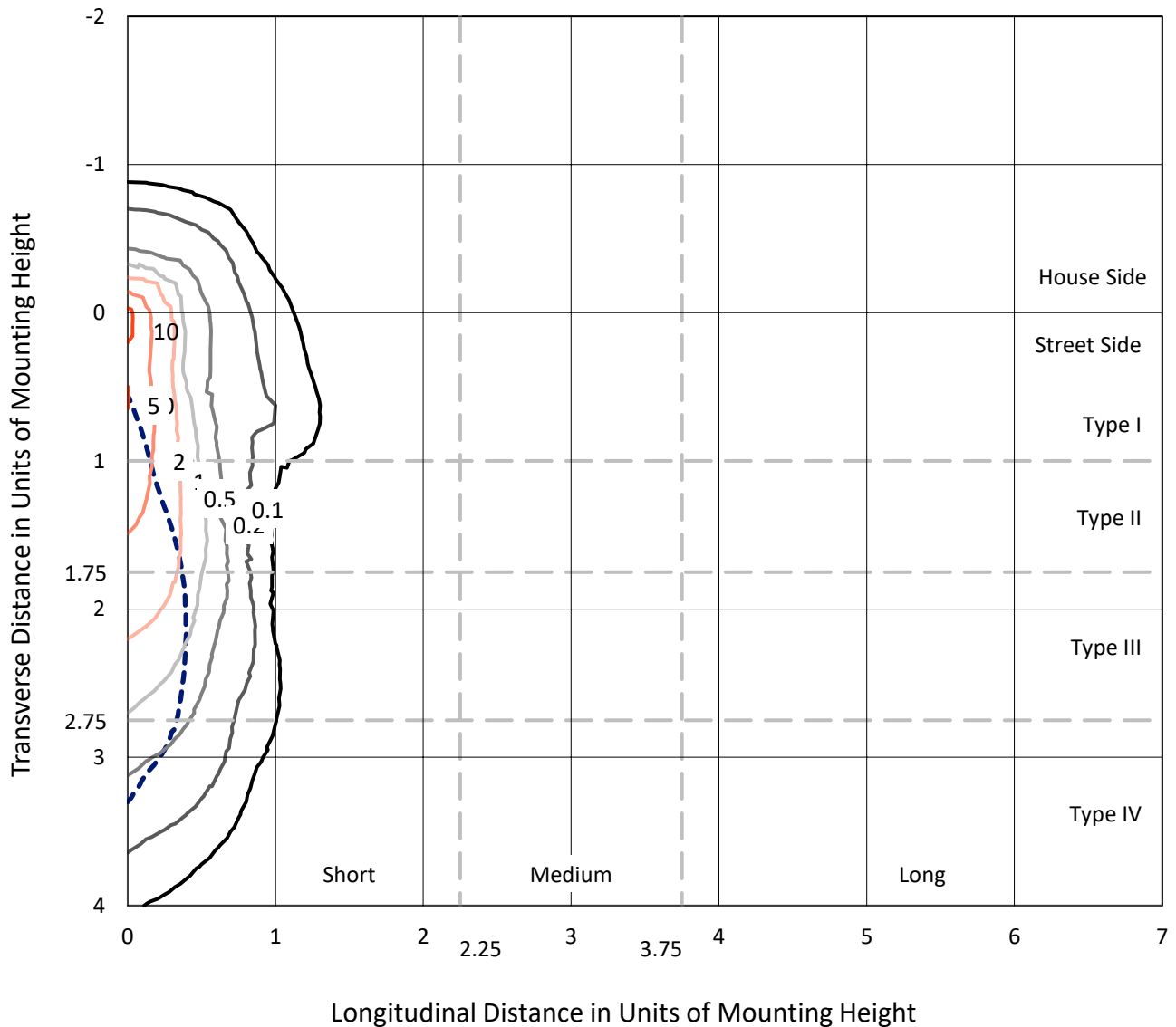
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

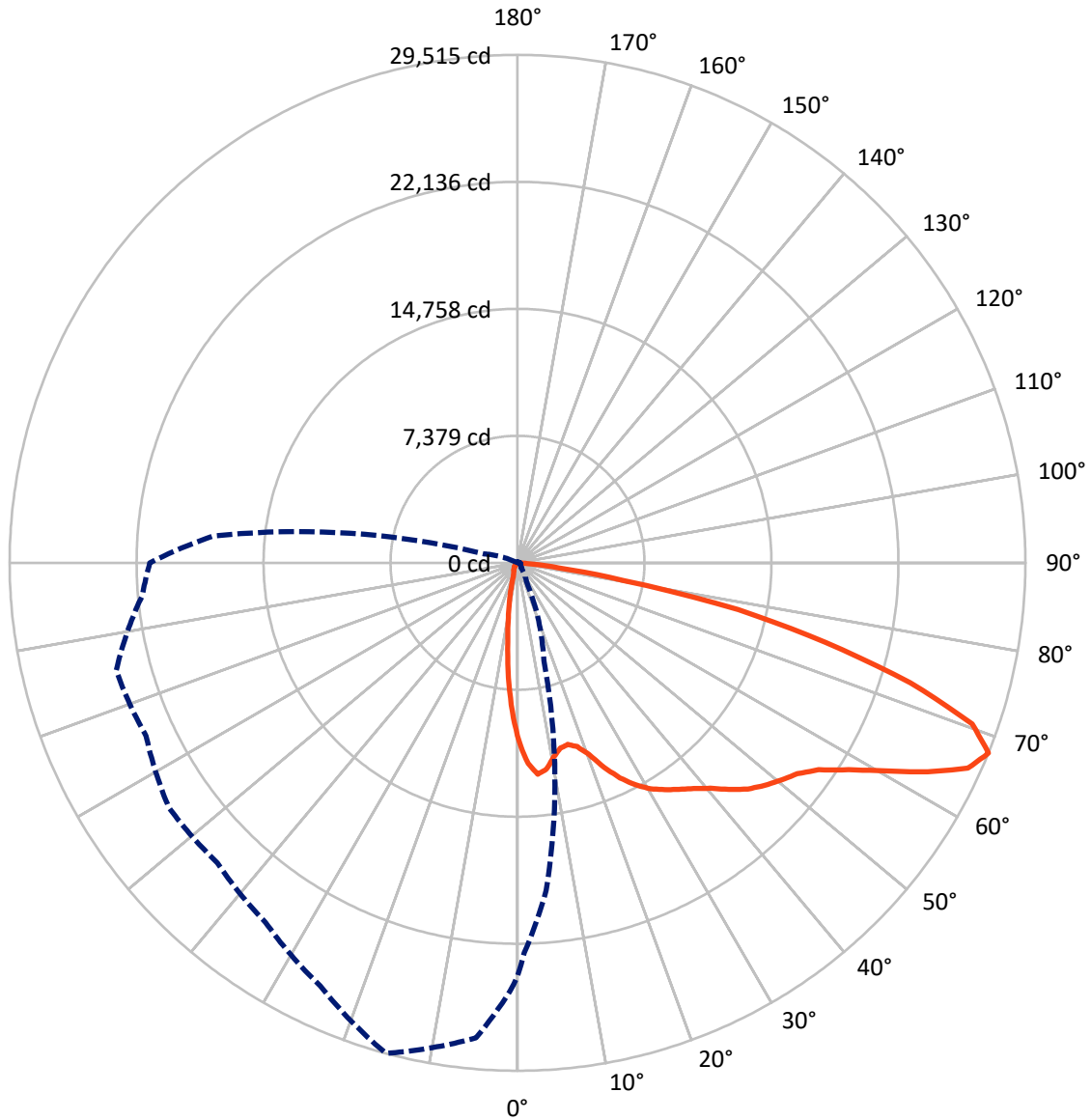
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.5 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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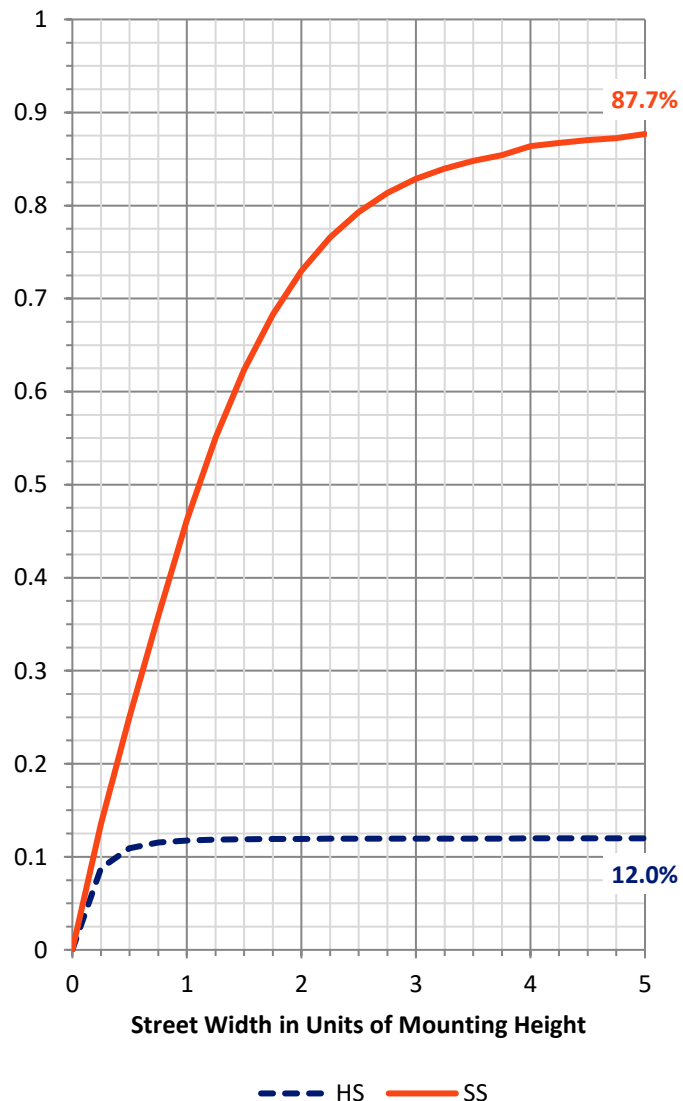
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3859.6 | 0.0 | 3859.6 |
| | % Fixture | 12.1 | 0.0 | 12.1 |
| Street Side | Lumens | 28029.4 | 0.0 | 28029.4 |
| | % Fixture | 87.9 | 0.0 | 87.9 |
| Total | Lumens | 31889.0 | 0.0 | 31889.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 797.3 | 2.5 |
| 10°-20° | 1586.9 | 5.0 |
| 20°-30° | 2253.4 | 7.1 |
| 30°-40° | 3328.4 | 10.4 |
| 40°-50° | 4800.3 | 15.1 |
| 50°-60° | 6738.7 | 21.1 |
| 60°-70° | 7855.3 | 24.6 |
| 70°-80° | 4015.8 | 12.6 |
| 80°-90° | 512.9 | 1.6 |
| 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° | 31889.0 | 100.0 |
| 0°-180° | 31889.0 | 100.0 |

Coefficient of Utilization

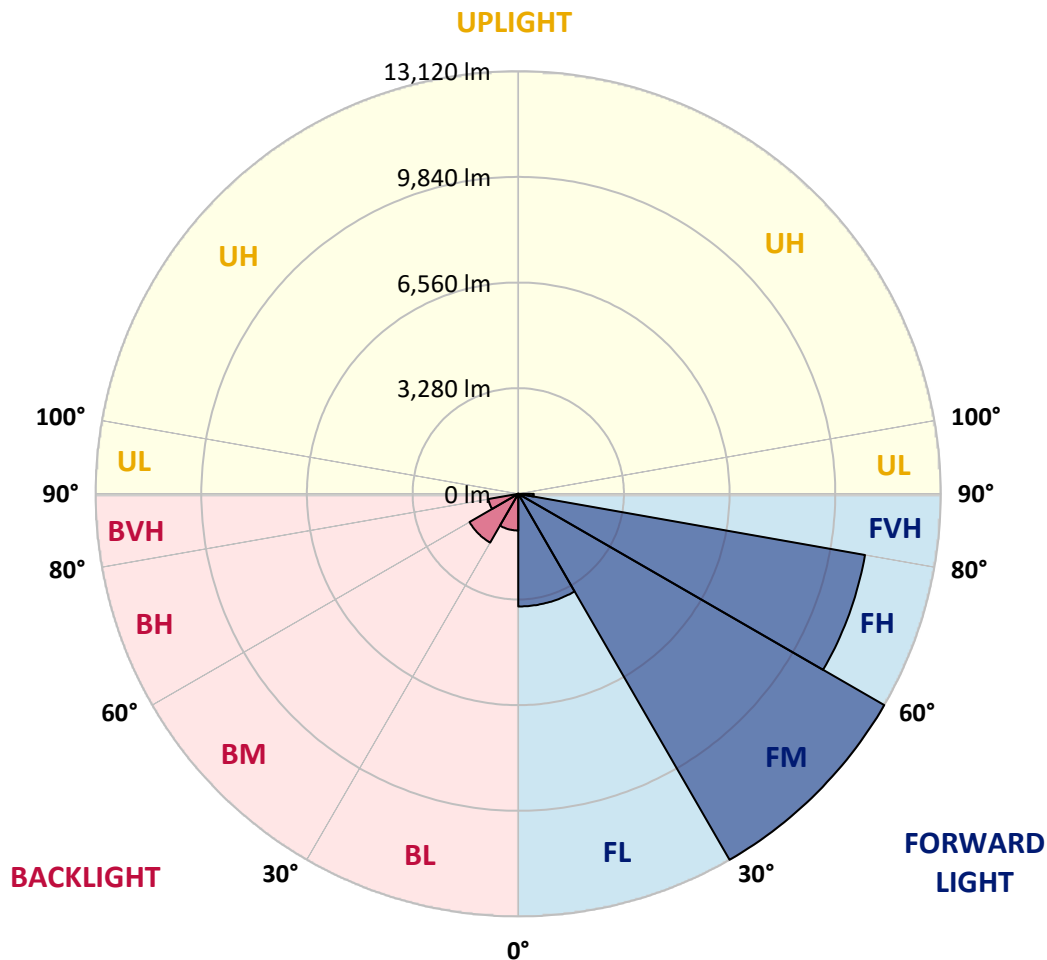


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3497.6 | 11.0 | | | |
| FM (30°-60°) | 13119.7 | 41.1 | | | |
| FH (60°-80°) | 10930.4 | 34.3 | | | G4/12000 |
| FVH (80°-90°) | 481.7 | 1.5 | | | G3/500 |
| BL (0°-30°) | 1140.0 | 3.6 | B3/2500 | | |
| BM (30°-60°) | 1747.8 | 5.5 | B2/2500 | | |
| BH (60°-80°) | 940.7 | 2.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 31.2 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 |
| 2.5° | 11374.3 | 11286.7 | 11190.0 | 10874.2 | 10581.2 | 10245.8 | 9972.3 | 9782.0 | 9543.3 | 9233.6 | 9155.0 |
| 5° | 11292.7 | 11199.0 | 10895.4 | 10192.9 | 9578.0 | 8979.8 | 8402.7 | 8064.3 | 7644.3 | 7218.3 | 7112.5 |
| 7.5° | 10472.4 | 10374.2 | 9936.1 | 8973.7 | 8145.9 | 7281.7 | 6532.4 | 6068.6 | 5594.2 | 5204.5 | 4997.5 |
| 10° | 9618.8 | 9511.6 | 9019.1 | 7851.3 | 6831.5 | 6050.5 | 5500.6 | 5057.9 | 4609.2 | 4192.3 | 3859.9 |
| 12.5° | 9031.1 | 8890.6 | 8355.9 | 7032.5 | 6144.1 | 5613.9 | 5100.2 | 4570.0 | 3962.6 | 3515.5 | 3149.9 |
| 15° | 8784.9 | 8624.8 | 8059.7 | 6716.7 | 5900.9 | 5278.5 | 4609.2 | 3958.1 | 3246.6 | 2734.4 | 2399.0 |
| 17.5° | 8975.2 | 8766.8 | 8161.0 | 6695.6 | 5595.7 | 4748.2 | 3902.2 | 3137.8 | 2365.8 | 1847.6 | 1608.9 |
| 20° | 9621.8 | 9348.4 | 8579.4 | 6689.5 | 5225.6 | 4118.3 | 3045.6 | 2181.5 | 1559.1 | 1253.9 | 1128.5 |
| 22.5° | 10640.1 | 10279.0 | 9180.7 | 6737.9 | 4843.4 | 3456.6 | 2199.6 | 1482.0 | 1170.8 | 1012.2 | 938.2 |
| 25° | 11869.8 | 11451.3 | 10046.4 | 6908.6 | 4508.0 | 2813.0 | 1598.4 | 1170.8 | 988.0 | 871.7 | 809.8 |
| 27.5° | 13039.1 | 12699.2 | 11140.1 | 7154.8 | 4248.2 | 2293.3 | 1297.7 | 992.5 | 844.5 | 767.5 | 717.6 |
| 30° | 14206.9 | 13779.4 | 12262.6 | 7447.9 | 3935.5 | 1941.3 | 1140.6 | 904.9 | 756.9 | 675.3 | 643.6 |
| 32.5° | 15055.9 | 14700.9 | 13141.8 | 7659.4 | 3601.6 | 1711.7 | 1019.7 | 827.9 | 707.0 | 623.9 | 577.1 |
| 35° | 16054.5 | 15652.7 | 13895.7 | 7706.2 | 3387.1 | 1566.6 | 917.0 | 744.8 | 613.4 | 539.3 | 489.5 |
| 37.5° | 17133.2 | 16633.1 | 14765.9 | 7603.5 | 3219.4 | 1495.6 | 840.0 | 707.0 | 572.6 | 497.0 | 444.2 |
| 40° | 18326.7 | 17761.7 | 15601.3 | 7455.5 | 3054.7 | 1471.5 | 781.0 | 678.3 | 540.8 | 463.8 | 409.4 |
| 42.5° | 19583.6 | 18917.4 | 16325.0 | 7299.8 | 2950.5 | 1388.4 | 775.0 | 649.6 | 516.7 | 433.6 | 379.2 |
| 45° | 20639.6 | 19964.3 | 17068.2 | 7248.5 | 2876.4 | 1297.7 | 800.7 | 630.0 | 500.1 | 409.4 | 356.5 |
| 47.5° | 21481.1 | 20842.0 | 17829.6 | 7363.3 | 2834.1 | 1214.6 | 729.7 | 655.7 | 491.0 | 388.3 | 336.9 |
| 50° | 22485.7 | 21762.1 | 18902.3 | 7706.2 | 2772.2 | 1131.5 | 660.2 | 750.8 | 491.0 | 374.7 | 320.3 |
| 52.5° | 23745.7 | 23029.6 | 20098.8 | 8238.0 | 2648.3 | 1016.7 | 593.7 | 752.3 | 495.5 | 356.5 | 299.1 |
| 55° | 25330.4 | 24810.7 | 21807.4 | 8821.2 | 2450.4 | 847.5 | 513.6 | 646.6 | 477.4 | 323.3 | 279.5 |
| 57.5° | 26850.2 | 26425.7 | 23365.0 | 9220.0 | 2186.0 | 661.7 | 447.2 | 521.2 | 436.6 | 284.0 | 249.3 |
| 59° | 27265.7 | 26801.9 | 23936.0 | 9238.1 | 1988.1 | 577.1 | 413.9 | 430.6 | 427.5 | 265.9 | 231.1 |
| 60° | 27265.7 | 26773.2 | 24100.7 | 9141.4 | 1844.6 | 530.3 | 392.8 | 383.7 | 445.7 | 253.8 | 220.6 |
| 62.5° | 26771.7 | 26079.7 | 23565.9 | 8487.3 | 1504.7 | 451.7 | 342.9 | 317.3 | 400.3 | 228.1 | 194.9 |
| 65° | 25744.4 | 24736.7 | 21743.9 | 7304.4 | 1341.5 | 413.9 | 296.1 | 259.8 | 278.0 | 200.9 | 170.7 |
| 67.5° | 24031.2 | 22665.5 | 19116.8 | 5900.9 | 1276.6 | 403.4 | 255.3 | 220.6 | 210.0 | 172.2 | 149.6 |
| 70° | 21014.3 | 19499.0 | 15927.6 | 4639.5 | 1220.7 | 398.8 | 214.5 | 185.8 | 169.2 | 145.0 | 126.9 |
| 72.5° | 15294.6 | 13714.4 | 11307.8 | 3627.3 | 1187.4 | 407.9 | 172.2 | 155.6 | 139.0 | 113.3 | 98.2 |
| 75° | 8748.6 | 7713.8 | 6355.6 | 2396.0 | 1012.2 | 389.8 | 132.9 | 129.9 | 99.7 | 81.6 | 68.0 |
| 77.5° | 4520.1 | 4382.6 | 3808.6 | 920.0 | 484.9 | 170.7 | 87.6 | 75.5 | 58.9 | 49.9 | 40.8 |
| 80° | 1950.4 | 1929.2 | 1669.4 | 265.9 | 128.4 | 95.2 | 49.9 | 31.7 | 27.2 | 21.2 | 16.6 |
| 82.5° | 673.8 | 673.8 | 593.7 | 89.1 | 57.4 | 46.8 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 136.0 | 152.6 | 107.3 | 0.0 | 19.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 |
| 2.5° | 9059.9 | 8877.1 | 8865.0 | 8750.2 | 8606.6 | 8541.7 | 8503.9 | 8570.4 | 8652.0 | 8661.0 | 8783.4 |
| 5° | 7032.5 | 6840.6 | 6920.7 | 6716.7 | 6757.5 | 6716.7 | 6650.2 | 6662.3 | 6698.6 | 6585.3 | 6725.8 |
| 7.5° | 4938.6 | 4793.5 | 4885.7 | 4831.3 | 4903.8 | 4932.5 | 4891.7 | 4831.3 | 4653.0 | 4631.9 | 4754.3 |
| 10° | 3722.4 | 3557.8 | 3459.6 | 3356.8 | 3379.5 | 3426.3 | 3411.2 | 3367.4 | 3254.1 | 3260.2 | 3378.0 |
| 12.5° | 2991.2 | 2806.9 | 2612.1 | 2359.8 | 2297.8 | 2332.6 | 2297.8 | 2272.1 | 2163.4 | 2172.4 | 2276.7 |
| 15° | 2269.1 | 2118.0 | 1914.1 | 1711.7 | 1601.4 | 1611.9 | 1515.3 | 1447.3 | 1379.3 | 1297.7 | 1361.2 |
| 17.5° | 1531.9 | 1439.7 | 1379.3 | 1318.9 | 1187.4 | 1157.2 | 1034.9 | 903.4 | 852.1 | 814.3 | 841.5 |
| 20° | 1084.7 | 1034.9 | 1010.7 | 1007.7 | 932.1 | 894.4 | 775.0 | 693.4 | 667.7 | 660.2 | 676.8 |
| 22.5° | 906.4 | 870.2 | 835.4 | 815.8 | 778.0 | 734.2 | 643.6 | 602.8 | 584.7 | 575.6 | 587.7 |
| 25° | 788.6 | 761.4 | 725.2 | 691.9 | 676.8 | 630.0 | 565.0 | 534.8 | 522.7 | 513.6 | 519.7 |
| 27.5° | 701.0 | 676.8 | 634.5 | 613.4 | 601.3 | 560.5 | 504.6 | 480.4 | 469.8 | 466.8 | 465.3 |
| 30° | 631.5 | 608.8 | 569.5 | 545.4 | 524.2 | 488.0 | 454.7 | 430.6 | 420.0 | 417.0 | 413.9 |
| 32.5° | 562.0 | 543.9 | 518.2 | 494.0 | 471.3 | 438.1 | 409.4 | 389.8 | 373.2 | 370.1 | 368.6 |
| 35° | 474.4 | 456.2 | 442.6 | 441.1 | 420.0 | 388.3 | 367.1 | 341.4 | 327.8 | 323.3 | 324.8 |
| 37.5° | 421.5 | 397.3 | 367.1 | 377.7 | 371.6 | 349.0 | 320.3 | 294.6 | 281.0 | 278.0 | 278.0 |
| 40° | 388.3 | 362.6 | 327.8 | 309.7 | 327.8 | 323.3 | 278.0 | 252.3 | 238.7 | 237.2 | 234.2 |
| 42.5° | 356.5 | 330.8 | 291.6 | 261.4 | 270.4 | 284.0 | 240.2 | 216.0 | 202.4 | 199.4 | 194.9 |
| 45° | 333.9 | 306.7 | 262.9 | 228.1 | 210.0 | 238.7 | 205.5 | 175.2 | 167.7 | 161.6 | 158.6 |
| 47.5° | 312.7 | 287.0 | 237.2 | 197.9 | 167.7 | 172.2 | 164.7 | 143.5 | 134.5 | 128.4 | 126.9 |
| 50° | 294.6 | 267.4 | 214.5 | 169.2 | 139.0 | 126.9 | 132.9 | 113.3 | 105.8 | 99.7 | 96.7 |
| 52.5° | 273.4 | 247.8 | 190.4 | 146.5 | 116.3 | 99.7 | 101.2 | 89.1 | 81.6 | 77.0 | 75.5 |
| 55° | 256.8 | 231.1 | 170.7 | 128.4 | 102.7 | 81.6 | 72.5 | 69.5 | 65.0 | 61.9 | 60.4 |
| 57.5° | 234.2 | 210.0 | 151.1 | 108.8 | 87.6 | 66.5 | 55.9 | 55.9 | 54.4 | 51.4 | 49.9 |
| 59° | 220.6 | 199.4 | 139.0 | 98.2 | 80.1 | 57.4 | 49.9 | 51.4 | 49.9 | 46.8 | 45.3 |
| 60° | 210.0 | 190.4 | 129.9 | 90.6 | 75.5 | 52.9 | 45.3 | 48.3 | 46.8 | 43.8 | 42.3 |
| 62.5° | 185.8 | 172.2 | 111.8 | 75.5 | 66.5 | 42.3 | 37.8 | 40.8 | 40.8 | 39.3 | 37.8 |
| 65° | 163.2 | 148.1 | 95.2 | 63.5 | 61.9 | 36.3 | 30.2 | 36.3 | 37.8 | 34.7 | 31.7 |
| 67.5° | 142.0 | 126.9 | 83.1 | 51.4 | 57.4 | 28.7 | 22.7 | 30.2 | 40.8 | 31.7 | 28.7 |
| 70° | 120.9 | 105.8 | 65.0 | 40.8 | 60.4 | 19.6 | 18.1 | 27.2 | 48.3 | 34.7 | 27.2 |
| 72.5° | 93.7 | 81.6 | 45.3 | 30.2 | 65.0 | 13.6 | 13.6 | 22.7 | 54.4 | 37.8 | 25.7 |
| 75° | 65.0 | 52.9 | 27.2 | 18.1 | 52.9 | 9.1 | 9.1 | 21.2 | 51.4 | 34.7 | 24.2 |
| 77.5° | 37.8 | 28.7 | 9.1 | 1.5 | 27.2 | 0.0 | 1.5 | 15.1 | 36.3 | 21.2 | 10.6 |
| 80° | 13.6 | 6.0 | 0.0 | 0.0 | 16.6 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 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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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 |
| 2.5° | 8815.1 | 9019.1 | 9201.9 | 9478.3 | 9806.2 | 10183.8 | 10508.6 | 10857.6 | 11185.4 | 11321.4 | 11415.1 |
| 5° | 6754.5 | 7006.8 | 7301.4 | 7707.7 | 8248.6 | 8914.8 | 9538.8 | 10244.3 | 11002.6 | 11381.8 | 11738.4 |
| 7.5° | 4775.4 | 5032.2 | 5397.8 | 5829.9 | 6484.1 | 7277.2 | 8093.0 | 9067.4 | 10094.7 | 10694.5 | 11285.2 |
| 10° | 3433.9 | 3749.6 | 4091.1 | 4681.8 | 5346.5 | 6098.8 | 6938.8 | 8026.5 | 9171.6 | 9836.4 | 10547.9 |
| 12.5° | 2337.1 | 2696.7 | 3213.3 | 3875.0 | 4656.1 | 5393.3 | 6123.0 | 7160.9 | 8490.3 | 9149.0 | 9911.9 |
| 15° | 1402.0 | 1601.4 | 2148.3 | 2914.2 | 3872.0 | 4790.5 | 5589.7 | 6630.6 | 8047.7 | 8854.4 | 9647.5 |
| 17.5° | 864.1 | 956.3 | 1253.9 | 1882.4 | 2888.5 | 4050.3 | 5145.5 | 6450.8 | 8111.1 | 9093.1 | 9942.1 |
| 20° | 688.9 | 725.2 | 820.3 | 1111.9 | 1914.1 | 3234.5 | 4645.5 | 6414.6 | 8629.3 | 9837.9 | 10748.8 |
| 22.5° | 598.2 | 633.0 | 696.4 | 808.2 | 1204.1 | 2421.7 | 4171.1 | 6447.8 | 9372.6 | 10954.3 | 12017.9 |
| 25° | 527.2 | 557.5 | 617.9 | 710.0 | 882.3 | 1705.6 | 3663.5 | 6595.8 | 10340.9 | 12339.6 | 13469.7 |
| 27.5° | 471.3 | 497.0 | 552.9 | 637.5 | 756.9 | 1190.5 | 3087.9 | 6775.6 | 11489.1 | 13756.7 | 14871.6 |
| 30° | 420.0 | 442.6 | 492.5 | 571.1 | 657.2 | 915.5 | 2456.4 | 6898.0 | 12638.8 | 14871.6 | 15873.2 |
| 32.5° | 376.2 | 392.8 | 438.1 | 504.6 | 571.1 | 729.7 | 1867.3 | 6878.4 | 13492.3 | 15799.2 | 16593.9 |
| 35° | 330.8 | 347.5 | 386.7 | 444.2 | 497.0 | 602.8 | 1468.4 | 6511.2 | 14235.6 | 16761.6 | 17418.7 |
| 37.5° | 281.0 | 302.1 | 339.9 | 391.3 | 427.5 | 530.3 | 1187.4 | 6068.6 | 14989.5 | 17861.4 | 18338.8 |
| 40° | 238.7 | 259.8 | 293.1 | 349.0 | 371.6 | 503.1 | 912.5 | 5529.3 | 15837.0 | 19091.1 | 19347.9 |
| 42.5° | 197.9 | 217.5 | 252.3 | 300.6 | 350.5 | 433.6 | 675.3 | 4912.9 | 16651.3 | 20142.6 | 20268.0 |
| 45° | 160.1 | 179.8 | 216.0 | 264.4 | 374.7 | 359.6 | 522.7 | 4252.7 | 17308.4 | 21017.3 | 21058.1 |
| 47.5° | 126.9 | 145.0 | 182.8 | 249.3 | 349.0 | 287.0 | 373.2 | 3734.5 | 17859.9 | 21700.1 | 21592.9 |
| 50° | 98.2 | 113.3 | 152.6 | 285.5 | 305.2 | 237.2 | 282.5 | 3562.3 | 18353.9 | 22123.1 | 21845.2 |
| 52.5° | 77.0 | 90.6 | 125.4 | 267.4 | 237.2 | 196.4 | 237.2 | 3724.0 | 19030.7 | 22473.6 | 21987.2 |
| 55° | 61.9 | 75.5 | 98.2 | 152.6 | 161.6 | 166.2 | 202.4 | 3875.0 | 20198.5 | 23295.5 | 22825.6 |
| 57.5° | 51.4 | 65.0 | 80.1 | 107.3 | 122.4 | 140.5 | 179.8 | 3891.6 | 21574.7 | 24661.2 | 24217.0 |
| 59° | 46.8 | 58.9 | 72.5 | 95.2 | 107.3 | 128.4 | 169.2 | 3801.0 | 22059.7 | 25158.2 | 24936.1 |
| 60° | 43.8 | 55.9 | 68.0 | 87.6 | 99.7 | 120.9 | 163.2 | 3714.9 | 22080.8 | 25140.1 | 25242.8 |
| 62.5° | 37.8 | 49.9 | 60.4 | 74.0 | 84.6 | 102.7 | 146.5 | 3396.1 | 21186.5 | 24316.7 | 25058.5 |
| 65° | 33.2 | 43.8 | 54.4 | 63.5 | 72.5 | 92.2 | 132.9 | 2814.5 | 19659.1 | 22988.8 | 23797.0 |
| 67.5° | 30.2 | 37.8 | 49.9 | 55.9 | 65.0 | 81.6 | 117.8 | 2006.3 | 17751.1 | 21364.8 | 21889.0 |
| 70° | 27.2 | 36.3 | 45.3 | 51.4 | 58.9 | 71.0 | 101.2 | 1152.7 | 14989.5 | 18986.9 | 19360.0 |
| 72.5° | 25.7 | 34.7 | 40.8 | 48.3 | 52.9 | 63.5 | 92.2 | 542.4 | 10975.5 | 15210.0 | 16184.5 |
| 75° | 22.7 | 31.7 | 37.8 | 45.3 | 49.9 | 57.4 | 78.6 | 259.8 | 7299.8 | 11007.2 | 12114.5 |
| 77.5° | 13.6 | 25.7 | 34.7 | 40.8 | 43.8 | 49.9 | 65.0 | 149.6 | 4659.1 | 7618.6 | 8973.7 |
| 80° | 0.0 | 9.1 | 25.7 | 34.7 | 37.8 | 42.3 | 49.9 | 117.8 | 2492.7 | 4352.4 | 5224.1 |
| 82.5° | 0.0 | 0.0 | 18.1 | 27.2 | 25.7 | 28.7 | 37.8 | 74.0 | 1124.0 | 2844.7 | 3205.8 |
| 85° | 0.0 | 0.0 | 6.0 | 21.2 | 18.1 | 13.6 | 25.7 | 25.7 | 246.2 | 1439.7 | 1796.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.5 | 9.1 | 6.0 | 10.6 | 3.0 | 1.5 | 107.3 | 435.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P360214
 CATALOG NUMBER: NVN-SA6C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 | 10387.8 |
| 2.5° | 11742.9 | 11854.7 | 12043.5 | 12132.7 | 12088.9 | 11903.0 | 11681.0 | 11454.4 | 11321.4 | 11374.3 |
| 5° | 12465.0 | 13040.6 | 13373.0 | 13483.3 | 13299.0 | 12882.0 | 12336.6 | 11617.5 | 11362.2 | 11292.7 |
| 7.5° | 12465.0 | 13548.2 | 14234.1 | 14355.0 | 13944.0 | 13126.7 | 12104.0 | 10981.5 | 10608.3 | 10472.4 |
| 10° | 12026.9 | 13501.4 | 14457.7 | 14649.6 | 14075.5 | 12853.3 | 11483.1 | 10202.0 | 9759.3 | 9618.8 |
| 12.5° | 11532.9 | 13120.7 | 14128.4 | 14392.7 | 13921.4 | 12581.4 | 11052.5 | 9674.7 | 9153.5 | 9031.1 |
| 15° | 11229.3 | 12652.4 | 13486.3 | 13678.2 | 13478.7 | 12422.7 | 10949.8 | 9516.1 | 8902.7 | 8784.9 |
| 17.5° | 11338.0 | 12289.8 | 12590.4 | 12702.2 | 12836.7 | 12366.8 | 11229.3 | 9863.6 | 9087.0 | 8975.2 |
| 20° | 11747.4 | 11907.6 | 11752.0 | 11892.5 | 12255.0 | 12421.2 | 11895.5 | 10703.5 | 9771.4 | 9621.8 |
| 22.5° | 12442.4 | 11709.7 | 11273.1 | 11329.0 | 11770.1 | 12601.0 | 12913.7 | 11903.0 | 10827.4 | 10640.1 |
| 25° | 13252.1 | 11869.8 | 11007.2 | 10957.3 | 11410.5 | 12838.2 | 13844.3 | 13208.3 | 12076.8 | 11869.8 |
| 27.5° | 14270.4 | 12229.4 | 10952.8 | 10902.9 | 11285.2 | 13060.3 | 14617.8 | 14498.5 | 13392.6 | 13039.1 |
| 30° | 15055.9 | 12582.9 | 11114.4 | 10999.6 | 11410.5 | 13214.4 | 15238.7 | 15593.8 | 14441.1 | 14206.9 |
| 32.5° | 15619.4 | 12999.8 | 11377.3 | 11211.1 | 11764.1 | 13480.2 | 15717.6 | 16596.9 | 15411.0 | 15055.9 |
| 35° | 16048.5 | 13453.1 | 11801.8 | 11528.4 | 12250.5 | 13883.6 | 16166.3 | 17665.0 | 16442.8 | 16054.5 |
| 37.5° | 16450.3 | 14089.1 | 12465.0 | 12138.7 | 13013.4 | 14533.2 | 16640.7 | 18876.6 | 17597.0 | 17133.2 |
| 40° | 17010.8 | 14809.7 | 13487.8 | 13197.7 | 14296.0 | 15418.5 | 17232.9 | 20139.5 | 18909.8 | 18326.7 |
| 42.5° | 17571.3 | 15583.2 | 14534.7 | 14613.3 | 15895.9 | 16494.2 | 17997.3 | 21475.0 | 20206.0 | 19583.6 |
| 45° | 18083.4 | 16380.9 | 16025.8 | 16388.4 | 17381.0 | 17674.0 | 18757.2 | 22247.0 | 21240.9 | 20639.6 |
| 47.5° | 18539.7 | 17377.9 | 17507.9 | 18473.2 | 19070.0 | 18742.1 | 19325.3 | 22913.2 | 22011.3 | 21481.1 |
| 50° | 19070.0 | 18668.1 | 19461.2 | 20826.9 | 21014.3 | 19709.0 | 19841.9 | 23701.9 | 22911.7 | 22485.7 |
| 52.5° | 19650.1 | 20027.8 | 21624.6 | 22828.6 | 22768.2 | 20758.9 | 20361.6 | 24585.6 | 24146.0 | 23745.7 |
| 55° | 20308.7 | 21126.1 | 23529.6 | 24702.0 | 24650.6 | 21931.3 | 21222.7 | 25677.9 | 25693.0 | 25330.4 |
| 57.5° | 21286.2 | 22071.8 | 24822.8 | 26217.2 | 26303.3 | 23284.9 | 22682.1 | 26901.6 | 27091.9 | 26850.2 |
| 59° | 21987.2 | 22685.1 | 25334.9 | 26850.2 | 27200.7 | 24331.8 | 23748.7 | 27611.6 | 27486.2 | 27265.7 |
| 60° | 22506.9 | 23074.9 | 25588.8 | 27181.1 | 27721.9 | 25041.9 | 24535.8 | 28028.6 | 27533.1 | 27265.7 |
| 62.5° | 23792.5 | 23923.9 | 26046.5 | 27555.7 | 28321.7 | 26619.1 | 26750.5 | 28738.6 | 27208.3 | 26771.7 |
| 65° | 24392.3 | 24460.2 | 26040.5 | 26885.0 | 27741.5 | 27847.3 | 28759.8 | 28759.8 | 26415.1 | 25744.4 |
| 67.5° | 24141.5 | 23813.6 | 24748.8 | 24661.2 | 25516.2 | 27117.6 | 29515.1 | 27705.3 | 24898.3 | 24031.2 |
| 70° | 22102.0 | 20840.5 | 20425.1 | 20462.8 | 21117.0 | 23587.0 | 28019.5 | 24602.2 | 22028.0 | 21014.3 |
| 72.5° | 18390.1 | 15364.1 | 14338.3 | 15509.2 | 15679.9 | 18127.3 | 23878.6 | 18527.6 | 16244.9 | 15294.6 |
| 75° | 14791.6 | 10830.4 | 9162.6 | 10398.4 | 10688.4 | 13265.7 | 18471.7 | 11539.0 | 9488.9 | 8748.6 |
| 77.5° | 10626.5 | 7774.2 | 6574.7 | 6488.6 | 6863.2 | 8413.3 | 13107.1 | 5807.2 | 4843.4 | 4520.1 |
| 80° | 6036.9 | 5116.8 | 5509.6 | 5198.4 | 5387.3 | 5260.4 | 6227.2 | 2547.1 | 2086.3 | 1950.4 |
| 82.5° | 3643.9 | 3024.5 | 3275.3 | 2726.9 | 3450.5 | 3004.8 | 2399.0 | 815.8 | 708.5 | 673.8 |
| 85° | 2370.3 | 1652.7 | 861.1 | 577.1 | 1188.9 | 1920.1 | 536.3 | 222.1 | 170.7 | 136.0 |
| 87.5° | 817.3 | 421.5 | 42.3 | 18.1 | 126.9 | 358.0 | 19.6 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

LM-79-08: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW, INVUE, LUMARK AND STREETWORKS

DATA VALID FOR LUMINIAIRES UTILIZING SA LIGHT ENGINES

Report Number: SP1-2101-121-2

Luminaire Tested: IFLD-S-SA2A-740-U-T3R-HSS

Test Date: 03/05/2021

Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/05/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-740-U-T3R-HSS**
 Description: STREETWORKS INF FLOOD

SHIELD, DRIVER PROGRAMMED @ 615mA.

Spectral Parameters

| | | | | | |
|---------------------------|---------|-----------|------|------|-------|
| CCT (K): | 3905 | CRI (Ra): | 71.2 | R9: | -29.7 |
| CIE u': | 0.2273 | R1: | 68.9 | R10: | 46.2 |
| CIE v': | 0.5024 | R2: | 77.0 | R11: | 68.8 |
| Duv: | -0.0008 | R3: | 84.0 | R12: | 45.6 |
| CIE x: | 0.3841 | R4: | 71.6 | R13: | 69.5 |
| CIE y: | 0.3774 | R5: | 68.9 | R14: | 90.7 |
| CIE z: | 0.2385 | R6: | 68.3 | | |
| Peak Wavelength (nm): | 443 | R7: | 78.7 | | |
| Dominant Wavelength (nm): | 579 | R8: | 52.2 | | |
| Purity: | 28.7 | | | | |
| Rf: | 71.7 | | | | |
| Rg: | 96.9 | | | | |



Test Conditions

Stabilization Time: 211M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.8/312%
 Sphere Temperature (°C): 24.1

REPORT NUMBER: SP1-2101-121-2

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | IN0046 | 12/1/2020 | 12/1/2021 |

REPORT NUMBER: SP1-2101-121-2

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-2

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 | 2304 | 0.0 | 490 | 19043 | 2.7 | 620 | 97577 | 25.4 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 4.8 | 625 | 90158 | 19.9 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 8.0 | 630 | 82240 | 14.9 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 13.3 | 635 | 74361 | 11.2 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 20.2 | 640 | 66994 | 8.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 28.5 | 645 | 60405 | 5.8 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 37.4 | 650 | 53806 | 3.9 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 44.9 | 655 | 47610 | 2.7 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 52.6 | 660 | 42018 | 1.8 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 58.4 | 665 | 36742 | 1.2 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.0 | 540 | 96845 | 63.1 | 670 | 32105 | 0.7 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.0 | 545 | 100829 | 67.1 | 675 | 27946 | 0.5 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 0.1 | 550 | 105648 | 71.8 | 680 | 24146 | 0.3 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 0.2 | 555 | 110017 | 75.1 | 685 | 21191 | 0.2 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 0.5 | 560 | 114586 | 77.9 | 690 | 18544 | 0.1 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 1.2 | 565 | 118987 | 79.1 | 695 | 16058 | 0.1 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 2.1 | 570 | 122326 | 79.5 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 2.9 | 575 | 125968 | 78.4 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 2.7 | 580 | 127613 | 75.8 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 2.0 | 585 | 129466 | 71.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 1.5 | 590 | 128813 | 66.6 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 1.3 | 595 | 126387 | 59.9 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 1.0 | 600 | 123477 | 53.2 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 1.1 | 605 | 118718 | 46.0 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 1.2 | 610 | 112091 | 38.5 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 1.7 | 615 | 105039 | 31.7 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: 10425.8 S/P: 1.47

| 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 | 2304 | 0.0 | 490 | 19043 | 29.3 | 620 | 97577 | 1.2 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 43.0 | 625 | 90158 | 0.8 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 60.8 | 630 | 82240 | 0.5 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 81.1 | 635 | 74361 | 0.3 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 99.6 | 640 | 66994 | 0.2 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 113.9 | 645 | 60405 | 0.1 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 122.6 | 650 | 53806 | 0.1 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 125.0 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 123.1 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.1 | 535 | 94097 | 117.3 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 107.0 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.9 | 545 | 100829 | 96.7 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 3.0 | 550 | 105648 | 86.4 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 9.3 | 555 | 110017 | 75.2 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 23.0 | 560 | 114586 | 64.0 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 45.7 | 565 | 118987 | 53.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 75.5 | 570 | 122326 | 43.2 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 93.8 | 575 | 125968 | 34.3 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 79.3 | 580 | 127613 | 26.3 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 51.3 | 585 | 129466 | 19.8 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 35.6 | 590 | 128813 | 14.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 26.0 | 595 | 126387 | 10.1 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 19.3 | 600 | 123477 | 7.0 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 16.8 | 605 | 118718 | 4.7 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 17.7 | 610 | 112091 | 3.0 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 21.4 | 615 | 105039 | 1.9 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: 3927.2 M/P: 0.55

| 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 | 2304 | 0.0 | 490 | 19043 | 15.8 | 620 | 97577 | 0.1 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 22.0 | 625 | 90158 | 0.0 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 29.2 | 630 | 82240 | 0.0 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 36.6 | 635 | 74361 | 0.0 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 42.2 | 640 | 66994 | 0.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 44.9 | 645 | 60405 | 0.0 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 44.9 | 650 | 53806 | 0.0 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 42.4 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 38.6 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 33.9 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 28.3 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.6 | 545 | 100829 | 23.4 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 2.1 | 550 | 105648 | 19.0 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 5.9 | 555 | 110017 | 14.8 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 14.3 | 560 | 114586 | 11.3 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 27.3 | 565 | 118987 | 8.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 45.1 | 570 | 122326 | 6.0 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 55.3 | 575 | 125968 | 4.2 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 47.2 | 580 | 127613 | 2.9 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 30.8 | 585 | 129466 | 1.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 21.7 | 590 | 128813 | 1.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 16.1 | 595 | 126387 | 0.8 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 12.0 | 600 | 123477 | 0.5 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 10.3 | 605 | 118718 | 0.3 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 10.5 | 610 | 112091 | 0.2 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 12.1 | 615 | 105039 | 0.1 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

Summary

$R_f = 71.7$
 $R_g = 96.9$
 CIE $R_a = 71.2$
 $R_g = -29.7$



Color Vector Graphics



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

| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 55 | CES51 = 86 | CES76 = 45 |
| CES02 = 61 | CES27 = 80 | CES52 = 87 | CES77 = 68 |
| CES03 = 30 | CES28 = 79 | CES53 = 74 | CES78 = 49 |
| CES04 = 70 | CES29 = 51 | CES54 = 81 | CES79 = 77 |
| CES05 = 47 | CES30 = 60 | CES55 = 80 | CES80 = 75 |
| CES06 = 50 | CES31 = 56 | CES56 = 69 | CES81 = 75 |
| CES07 = 40 | CES32 = 52 | CES57 = 67 | CES82 = 90 |
| CES08 = 39 | CES33 = 62 | CES58 = 69 | CES83 = 85 |
| CES09 = 29 | CES34 = 65 | CES59 = 86 | CES84 = 87 |
| CES10 = 74 | CES35 = 81 | CES60 = 91 | CES85 = 83 |
| CES11 = 57 | CES36 = 92 | CES61 = 85 | CES86 = 72 |
| CES12 = 63 | CES37 = 74 | CES62 = 81 | CES87 = 77 |
| CES13 = 42 | CES38 = 69 | CES63 = 72 | CES88 = 77 |
| CES14 = 74 | CES39 = 92 | CES64 = 69 | CES89 = 72 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 75 |
| CES16 = 46 | CES41 = 84 | CES66 = 63 | CES91 = 91 |
| CES17 = 49 | CES42 = 75 | CES67 = 60 | CES92 = 66 |
| CES18 = 56 | CES43 = 70 | CES68 = 67 | CES93 = 80 |
| CES19 = 72 | CES44 = 98 | CES69 = 77 | CES94 = 56 |
| CES20 = 65 | CES45 = 80 | CES70 = 57 | CES95 = 72 |
| CES21 = 86 | CES46 = 77 | CES71 = 53 | CES96 = 78 |
| CES22 = 78 | CES47 = 74 | CES72 = 84 | CES97 = 83 |
| CES23 = 92 | CES48 = 66 | CES73 = 47 | CES98 = 73 |
| CES24 = 91 | CES49 = 76 | CES74 = 96 | CES99 = 63 |
| CES25 = 72 | CES50 = 85 | CES75 = 52 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)