

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P317317

Luminaire Tested: **GAN-SA3B-722-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-722-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13110 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

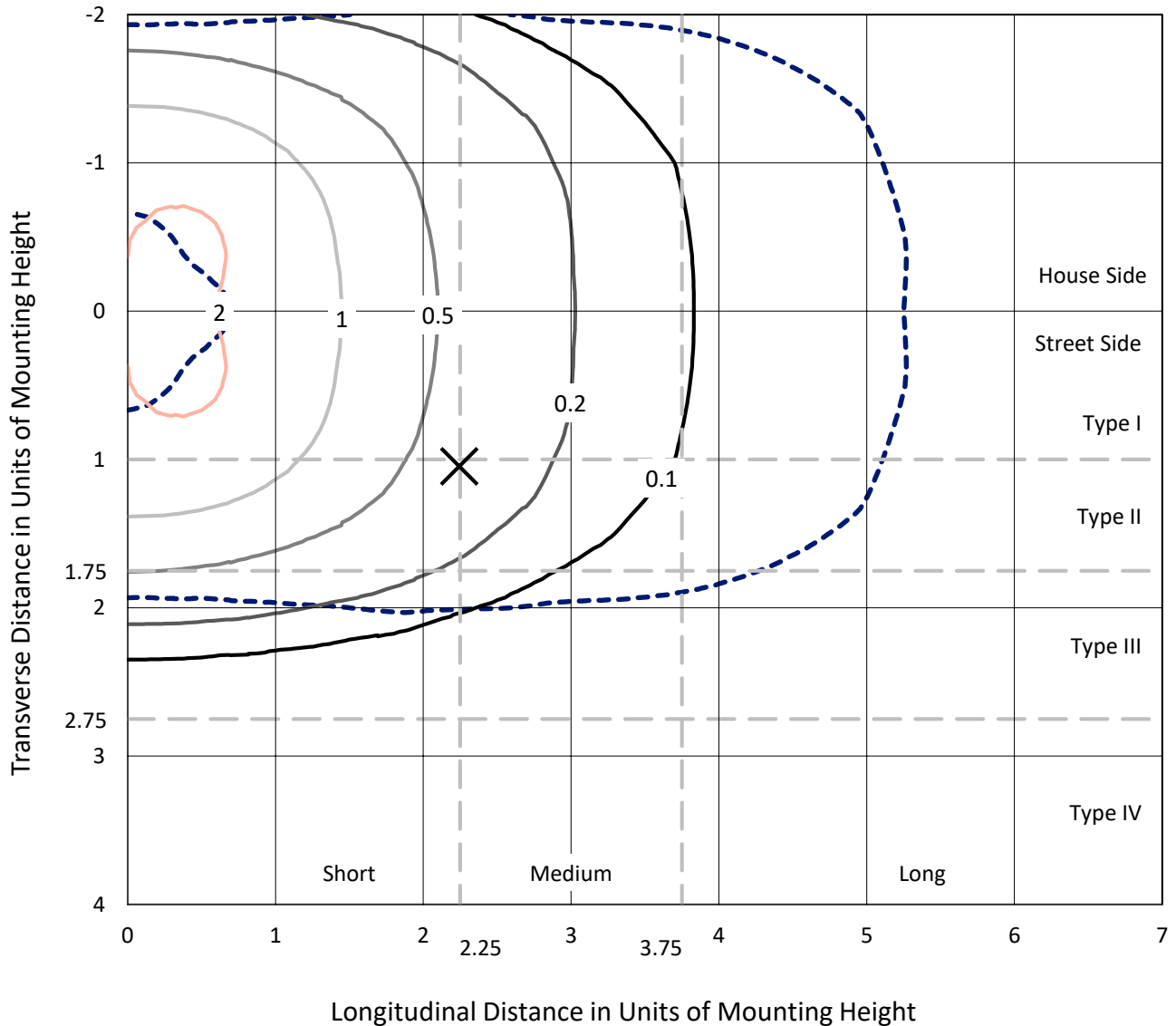
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

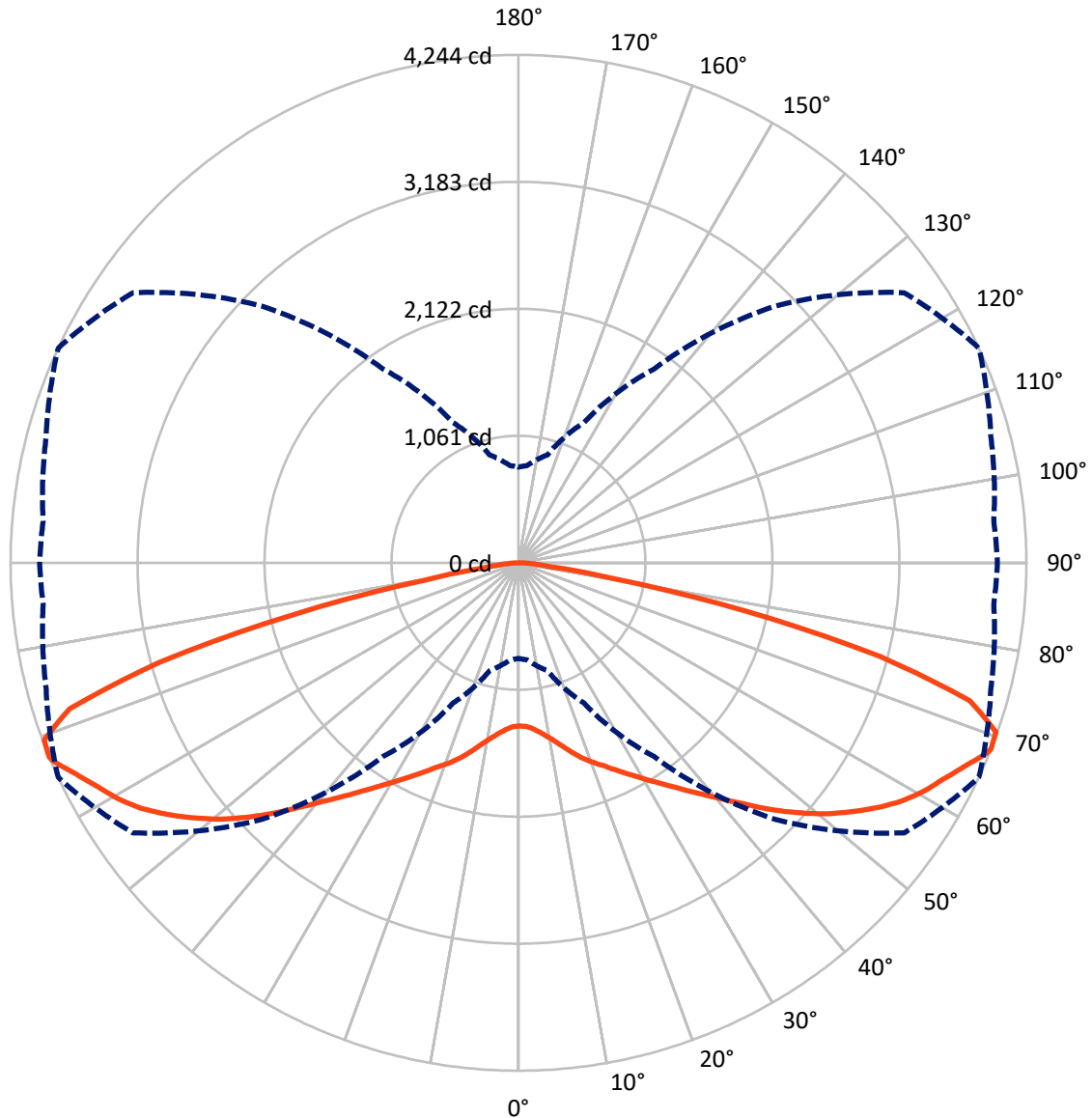
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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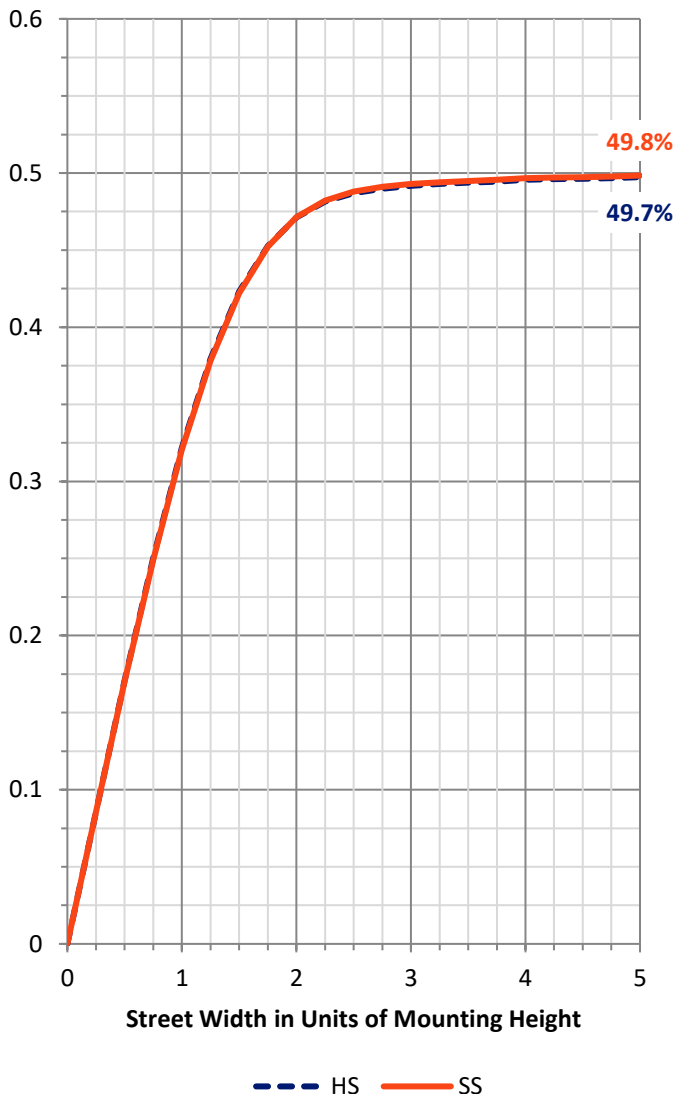
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6555.0 | 0.0 | 6555.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6555.0 | 0.0 | 6555.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 13110.0 | 0.0 | 13110.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 133.5 | 1.0 |
| 10°-20° | 446.9 | 3.4 |
| 20°-30° | 871.3 | 6.6 |
| 30°-40° | 1463.7 | 11.2 |
| 40°-50° | 2306.3 | 17.6 |
| 50°-60° | 3084.3 | 23.5 |
| 60°-70° | 2998.3 | 22.9 |
| 70°-80° | 1639.0 | 12.5 |
| 80°-90° | 166.7 | 1.3 |
| 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° | 13110.0 | 100.0 |
| 0°-180° | 13110.0 | 100.0 |

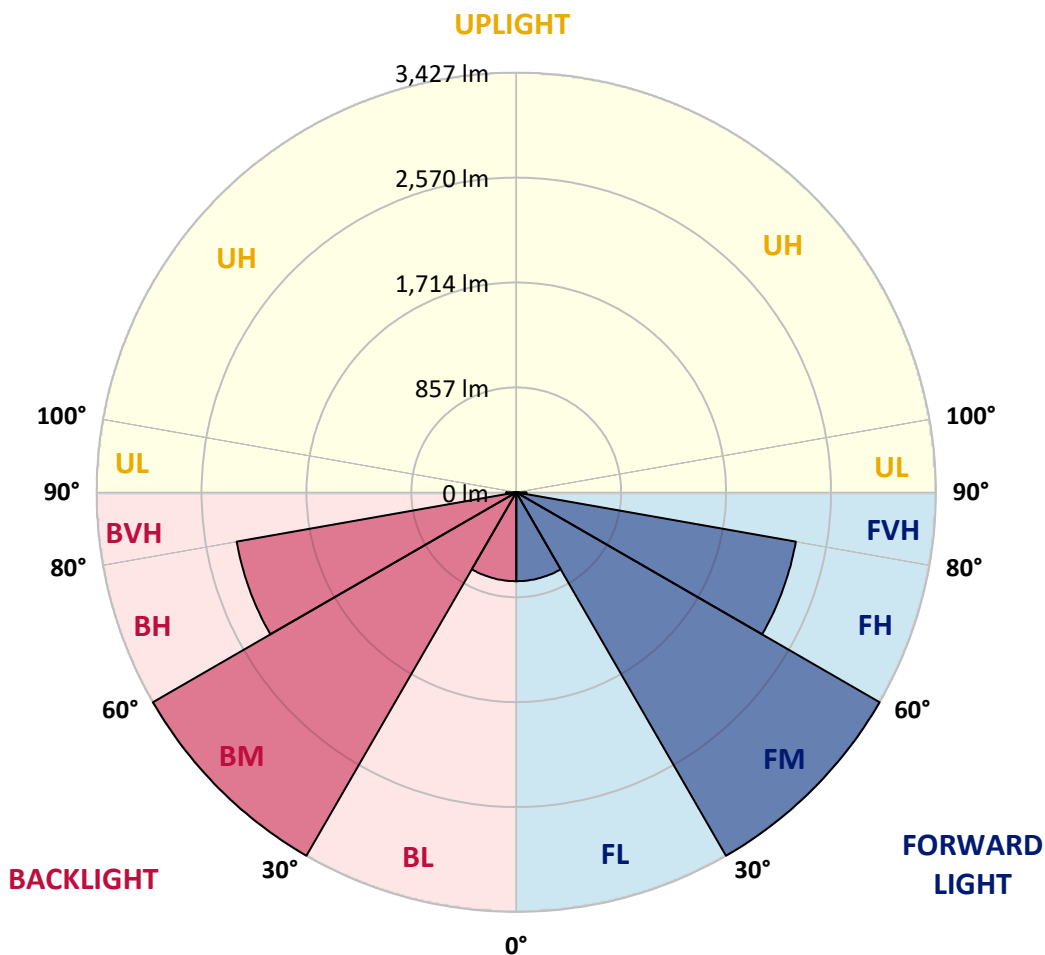


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 725.8 | 5.5 | | | |
| FM (30°-60°) | 3427.2 | 26.1 | | | |
| FH (60°-80°) | 2318.7 | 17.7 | | | G2/5000 |
| FVH (80°-90°) | 83.3 | 0.6 | | | G1/100 |
| BL (0°-30°) | 725.8 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 3427.2 | 26.1 | B3/5000 | | |
| BH (60°-80°) | 2318.7 | 17.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 83.3 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 | 1363.1 |
| 2.5° | 1353.5 | 1353.9 | 1356.1 | 1358.7 | 1360.9 | 1366.6 | 1368.0 | 1370.2 | 1371.0 | 1373.2 | 1373.2 |
| 5° | 1341.6 | 1342.5 | 1347.7 | 1354.8 | 1362.7 | 1376.8 | 1386.9 | 1398.3 | 1404.0 | 1410.2 | 1409.7 |
| 7.5° | 1340.3 | 1342.5 | 1349.9 | 1361.4 | 1374.6 | 1397.9 | 1419.0 | 1441.8 | 1457.2 | 1471.3 | 1470.4 |
| 10° | 1353.9 | 1357.4 | 1368.0 | 1385.1 | 1404.9 | 1433.9 | 1465.1 | 1495.9 | 1522.7 | 1544.2 | 1545.1 |
| 12.5° | 1374.6 | 1379.0 | 1395.7 | 1421.6 | 1451.5 | 1488.9 | 1525.8 | 1560.5 | 1597.4 | 1629.5 | 1632.2 |
| 15° | 1401.8 | 1407.5 | 1432.6 | 1471.3 | 1517.0 | 1561.4 | 1600.9 | 1636.5 | 1679.2 | 1723.6 | 1728.0 |
| 17.5° | 1442.3 | 1450.2 | 1483.1 | 1535.4 | 1595.7 | 1644.5 | 1685.8 | 1712.6 | 1748.2 | 1793.9 | 1802.3 |
| 20° | 1503.8 | 1513.9 | 1555.7 | 1618.1 | 1691.5 | 1742.5 | 1774.1 | 1779.9 | 1797.4 | 1838.3 | 1848.0 |
| 22.5° | 1583.8 | 1592.6 | 1639.2 | 1713.5 | 1795.7 | 1851.1 | 1867.8 | 1844.9 | 1843.2 | 1876.1 | 1885.4 |
| 25° | 1673.0 | 1680.9 | 1735.0 | 1818.5 | 1906.9 | 1968.0 | 1967.6 | 1923.2 | 1892.4 | 1917.9 | 1927.5 |
| 27.5° | 1773.3 | 1785.6 | 1837.4 | 1925.4 | 2019.9 | 2080.1 | 2076.6 | 2008.0 | 1949.5 | 1956.1 | 1964.5 |
| 30° | 1888.4 | 1902.1 | 1952.6 | 2041.8 | 2136.3 | 2195.3 | 2190.9 | 2100.3 | 2012.4 | 1994.8 | 2001.0 |
| 32.5° | 2031.3 | 2047.6 | 2095.5 | 2183.4 | 2266.9 | 2320.1 | 2307.3 | 2200.5 | 2088.0 | 2049.8 | 2055.5 |
| 35° | 2203.2 | 2212.8 | 2263.4 | 2350.0 | 2417.7 | 2454.2 | 2427.3 | 2316.6 | 2183.8 | 2137.7 | 2137.7 |
| 37.5° | 2377.2 | 2384.7 | 2441.4 | 2525.4 | 2590.9 | 2610.2 | 2557.9 | 2443.6 | 2309.1 | 2243.6 | 2244.9 |
| 40° | 2544.3 | 2564.5 | 2628.2 | 2714.4 | 2779.0 | 2784.3 | 2714.8 | 2588.7 | 2448.4 | 2380.8 | 2388.7 |
| 42.5° | 2718.8 | 2738.6 | 2814.6 | 2912.2 | 2969.3 | 2978.1 | 2896.8 | 2751.3 | 2605.8 | 2550.9 | 2559.7 |
| 45° | 2874.4 | 2890.2 | 2978.1 | 3091.6 | 3162.8 | 3185.6 | 3089.4 | 2937.7 | 2775.9 | 2722.3 | 2724.5 |
| 47.5° | 2983.0 | 3003.6 | 3100.3 | 3234.0 | 3337.7 | 3372.9 | 3278.4 | 3119.2 | 2943.4 | 2878.4 | 2884.1 |
| 50° | 3081.4 | 3092.4 | 3190.5 | 3336.4 | 3468.3 | 3540.8 | 3459.9 | 3298.6 | 3112.7 | 3043.6 | 3049.8 |
| 52.5° | 3136.4 | 3150.5 | 3245.4 | 3397.5 | 3553.5 | 3670.5 | 3621.2 | 3459.9 | 3276.2 | 3208.9 | 3216.4 |
| 55° | 3098.1 | 3108.7 | 3222.5 | 3411.1 | 3606.3 | 3750.5 | 3758.0 | 3617.7 | 3436.6 | 3377.7 | 3398.8 |
| 57.5° | 2924.1 | 2937.3 | 3076.2 | 3323.2 | 3612.9 | 3804.5 | 3860.8 | 3764.1 | 3586.5 | 3538.6 | 3550.9 |
| 60° | 2652.0 | 2660.3 | 2808.5 | 3086.3 | 3484.5 | 3827.0 | 3926.3 | 3883.7 | 3733.3 | 3685.4 | 3702.1 |
| 62.5° | 2167.1 | 2179.4 | 2356.6 | 2728.9 | 3213.3 | 3760.6 | 3989.6 | 3982.6 | 3870.0 | 3826.1 | 3841.0 |
| 65° | 1481.4 | 1502.9 | 1699.0 | 2169.8 | 2795.3 | 3557.5 | 4047.2 | 4097.7 | 3990.9 | 3935.5 | 3955.3 |
| 67.5° | 894.5 | 910.4 | 1052.3 | 1432.6 | 2139.0 | 3147.8 | 3987.9 | 4228.7 | 4076.2 | 3987.0 | 4003.2 |
| 68° | 799.6 | 814.1 | 932.8 | 1292.8 | 1978.5 | 3032.2 | 3933.8 | 4243.7 | 4085.4 | 3986.1 | 4000.6 |
| 70° | 483.1 | 492.8 | 572.3 | 799.2 | 1319.2 | 2405.4 | 3565.0 | 4231.4 | 4144.3 | 3998.4 | 4006.8 |
| 72.5° | 314.7 | 317.8 | 331.0 | 410.1 | 673.9 | 1345.1 | 2675.7 | 3943.0 | 4232.7 | 4070.1 | 4068.7 |
| 75° | 261.5 | 259.8 | 261.1 | 270.3 | 332.3 | 589.9 | 1563.6 | 3114.9 | 4034.9 | 3957.1 | 3929.4 |
| 77.5° | 221.1 | 219.8 | 219.3 | 219.8 | 222.4 | 284.8 | 678.7 | 1940.3 | 3087.6 | 3500.4 | 3525.0 |
| 80° | 178.9 | 177.1 | 182.9 | 180.2 | 172.3 | 177.1 | 284.4 | 807.1 | 1455.4 | 1565.8 | 1467.3 |
| 82.5° | 130.1 | 123.5 | 148.1 | 141.1 | 134.5 | 124.8 | 156.9 | 260.7 | 347.3 | 238.3 | 167.5 |
| 85° | 100.2 | 93.2 | 112.5 | 108.1 | 92.3 | 63.7 | 93.2 | 127.5 | 140.7 | 80.4 | 63.3 |
| 87.5° | 40.9 | 43.1 | 81.3 | 64.2 | 54.1 | 30.8 | 38.2 | 51.0 | 68.6 | 34.3 | 26.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)