

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: McGRAW-EDISON

Report Number: P386664

Luminaire Tested: **GWC-SA2B-760-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2B-760-U-SL2-HSS  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9878 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

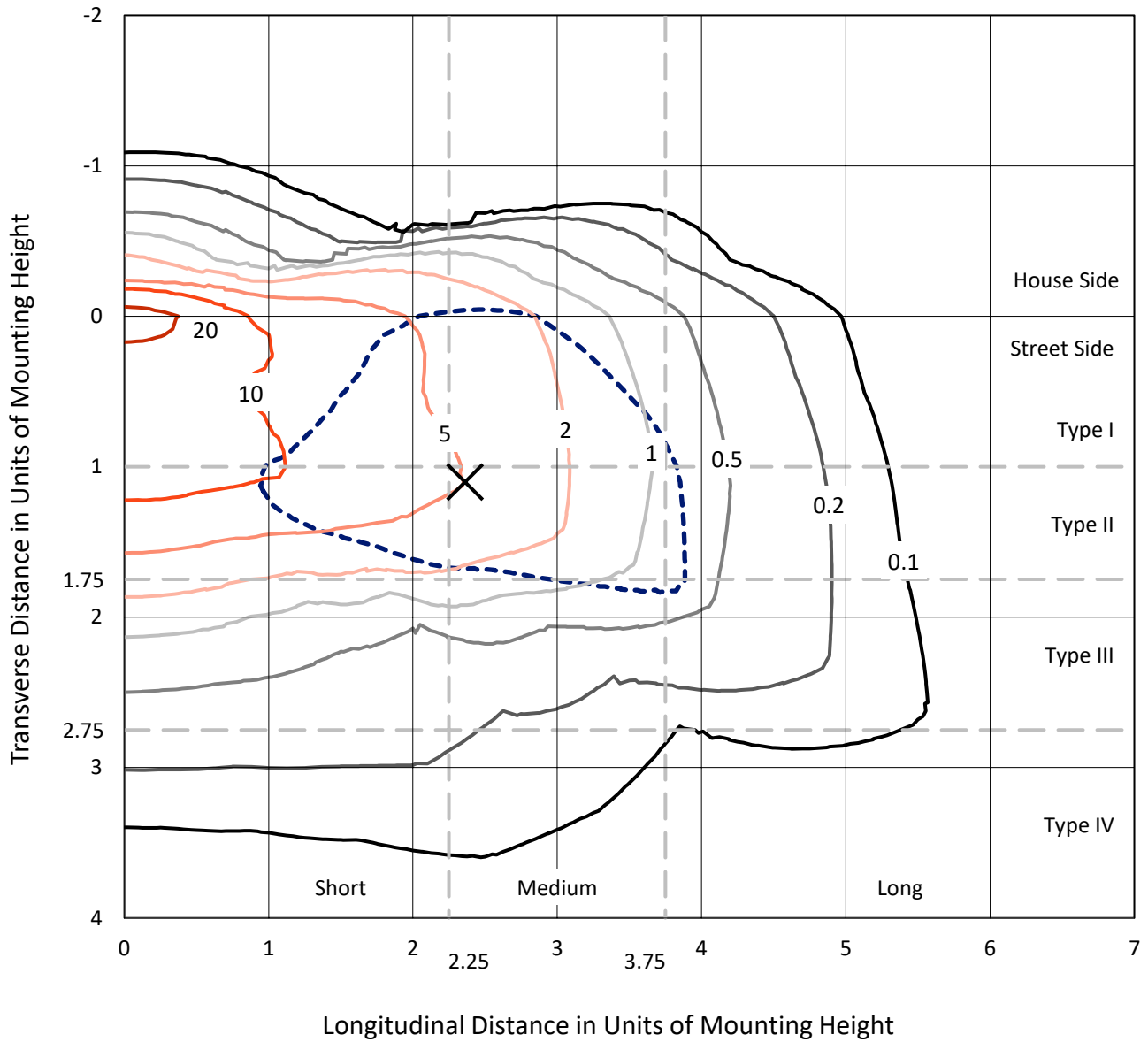
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P386664  
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### Iso-Footcandle Lines of Horizontal Illumination

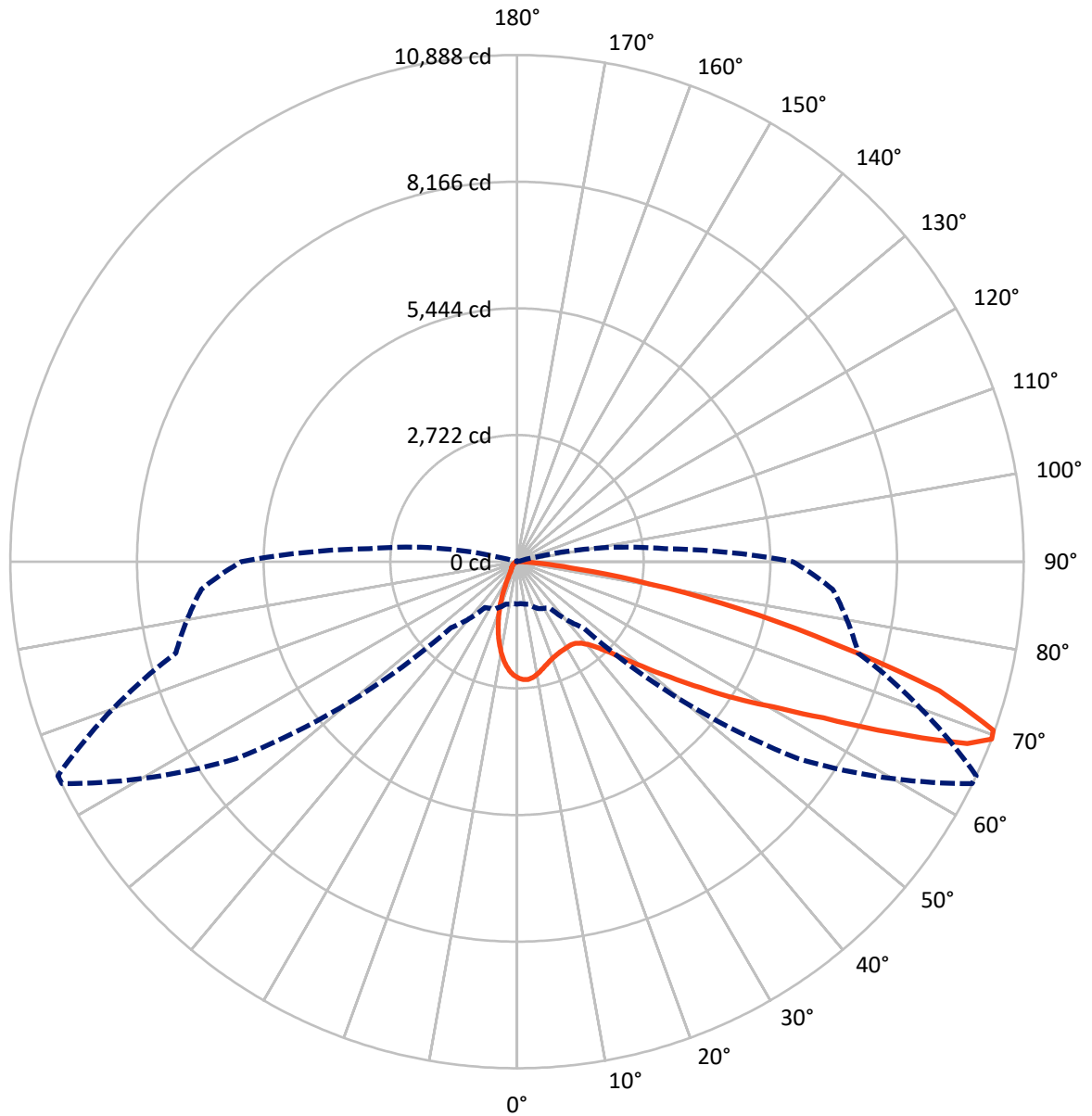
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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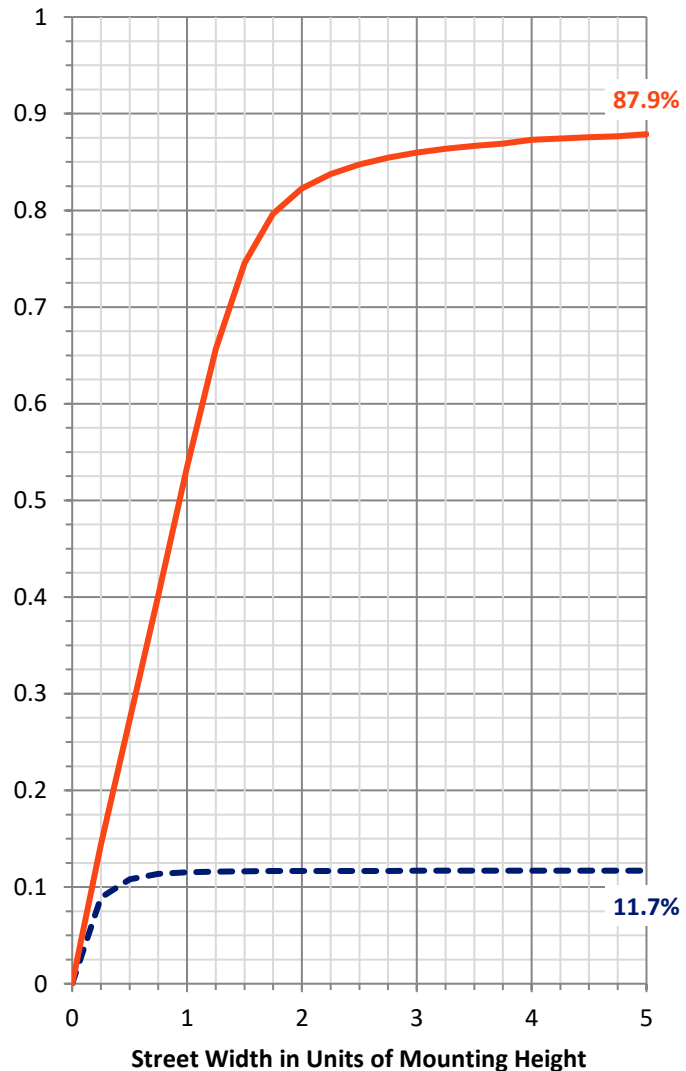
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1164.4   | 0.0    | 1164.4 |
|                    | % Fixture | 11.8     | 0.0    | 11.8   |
| <b>Street Side</b> | Lumens    | 8713.6   | 0.0    | 8713.6 |
|                    | % Fixture | 88.2     | 0.0    | 88.2   |
| <b>Total</b>       | Lumens    | 9878.0   | 0.0    | 9878.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 208.7  | 2.1       |
| 10°-20°   | 456.9  | 4.6       |
| 20°-30°   | 632.9  | 6.4       |
| 30°-40°   | 882.4  | 8.9       |
| 40°-50°   | 1371.6 | 13.9      |
| 50°-60°   | 2201.9 | 22.3      |
| 60°-70°   | 2490.7 | 25.2      |
| 70°-80°   | 1462.8 | 14.8      |
| 80°-90°   | 170.2  | 1.7       |
| 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°    | 9878.0 | 100.0     |
| 0°-180°   | 9878.0 | 100.0     |



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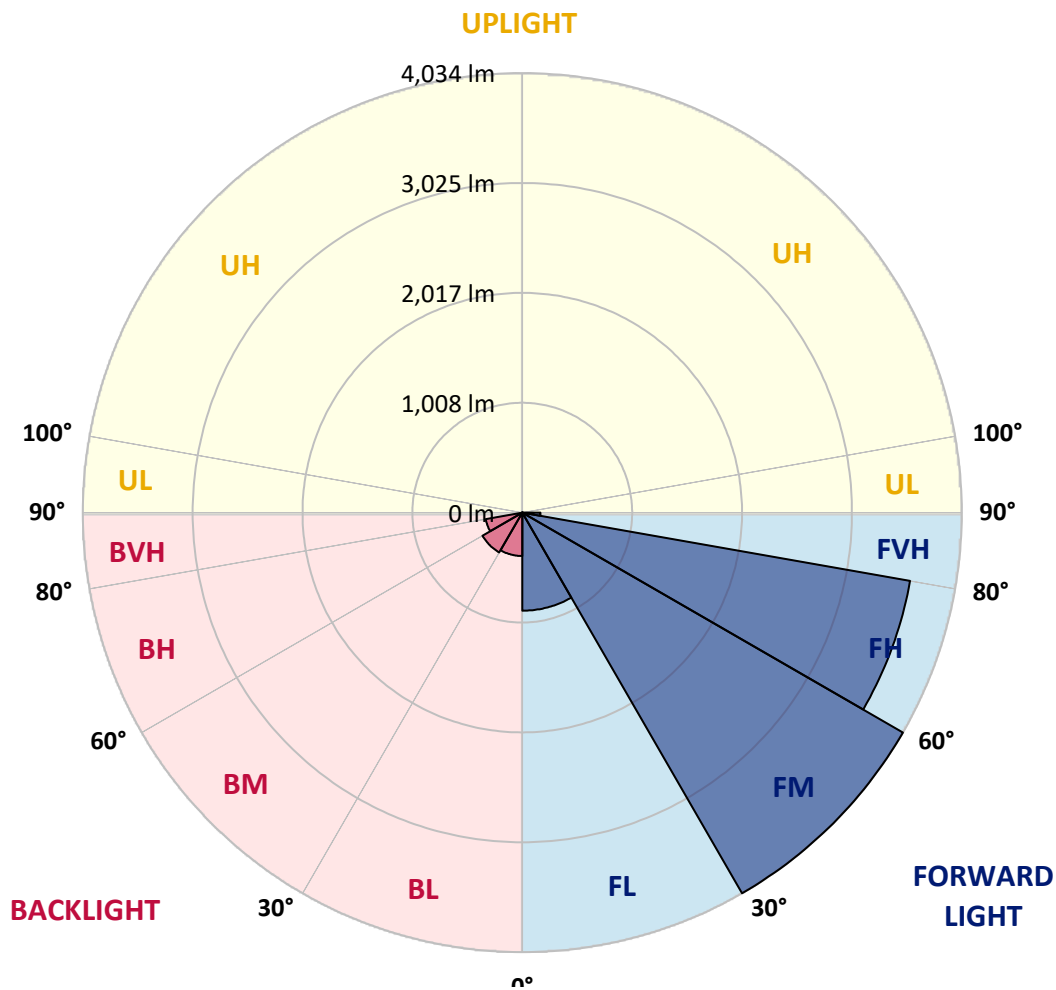
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 900.1  | 9.1       |                         |      |         |
| FM (30°-60°)   | 4033.9 | 40.8      |                         |      |         |
| FH (60°-80°)   | 3613.3 | 36.6      |                         |      | G2/5000 |
| FVH (80°-90°)  | 166.3  | 1.7       |                         |      | G2/225  |
| BL (0°-30°)    | 398.4  | 4.0       | B1/500                  |      |         |
| BM (30°-60°)   | 421.9  | 4.3       | B1/1000                 |      |         |
| BH (60°-80°)   | 340.2  | 3.4       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 3.8    | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| 0°    | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2  | 2496.2  | 2496.2 | 2496.2 |
| 2.5°  | 2518.3 | 2512.1 | 2517.1 | 2528.0 | 2533.4 | 2533.4 | 2537.6 | 2532.6  | 2534.2  | 2522.1 | 2504.5 |
| 5°    | 2360.8 | 2351.1 | 2364.9 | 2395.5 | 2433.1 | 2465.3 | 2512.9 | 2538.0  | 2540.5  | 2540.9 | 2520.4 |
| 7.5°  | 2191.1 | 2182.3 | 2202.8 | 2238.7 | 2287.2 | 2347.0 | 2430.1 | 2502.9  | 2507.1  | 2546.3 | 2531.3 |
| 10°   | 2053.1 | 2046.9 | 2070.7 | 2109.1 | 2166.0 | 2232.9 | 2334.8 | 2436.0  | 2448.1  | 2535.1 | 2529.6 |
| 12.5° | 1943.6 | 1938.6 | 1961.2 | 2005.5 | 2063.6 | 2137.6 | 2244.1 | 2361.6  | 2377.9  | 2509.6 | 2521.3 |
| 15°   | 1863.8 | 1862.9 | 1881.8 | 1924.4 | 1988.8 | 2057.7 | 2166.8 | 2292.6  | 2311.4  | 2482.0 | 2520.0 |
| 17.5° | 1822.0 | 1823.2 | 1837.0 | 1873.4 | 1928.6 | 1997.1 | 2101.6 | 2234.5  | 2255.0  | 2457.3 | 2526.3 |
| 20°   | 1817.8 | 1819.1 | 1826.6 | 1847.1 | 1891.8 | 1952.4 | 2048.5 | 2185.6  | 2206.9  | 2438.9 | 2536.3 |
| 22.5° | 1854.6 | 1853.7 | 1855.8 | 1853.7 | 1878.8 | 1924.8 | 2013.4 | 2148.0  | 2172.7  | 2426.8 | 2544.3 |
| 25°   | 1925.2 | 1924.0 | 1923.1 | 1907.7 | 1891.0 | 1915.6 | 1998.8 | 2126.7  | 2150.1  | 2418.0 | 2548.9 |
| 27.5° | 2023.5 | 2022.6 | 2021.4 | 1995.9 | 1945.7 | 1930.2 | 2000.5 | 2118.8  | 2138.4  | 2410.9 | 2548.0 |
| 30°   | 2152.6 | 2158.5 | 2156.8 | 2121.3 | 2043.1 | 1975.0 | 2018.0 | 2114.6  | 2131.7  | 2397.1 | 2539.2 |
| 32.5° | 2304.3 | 2316.0 | 2325.2 | 2287.2 | 2189.4 | 2063.6 | 2058.6 | 2119.2  | 2131.7  | 2386.7 | 2523.4 |
| 35°   | 2461.9 | 2477.0 | 2510.8 | 2497.4 | 2368.7 | 2196.9 | 2128.4 | 2146.8  | 2157.2  | 2392.5 | 2515.8 |
| 37.5° | 2617.0 | 2635.0 | 2708.5 | 2747.4 | 2603.6 | 2373.3 | 2237.0 | 2214.9  | 2220.3  | 2428.1 | 2524.2 |
| 40°   | 2797.1 | 2824.3 | 2935.9 | 2998.6 | 2884.1 | 2609.5 | 2399.6 | 2331.9  | 2334.0  | 2506.2 | 2563.1 |
| 42.5° | 3033.7 | 3061.7 | 3182.5 | 3280.7 | 3200.1 | 2907.9 | 2620.3 | 2510.8  | 2508.7  | 2652.5 | 2654.6 |
| 45°   | 3322.1 | 3351.4 | 3476.4 | 3585.4 | 3549.1 | 3261.5 | 2902.9 | 2772.1  | 2769.5  | 2883.2 | 2828.1 |
| 47.5° | 3649.0 | 3677.8 | 3789.4 | 3901.9 | 3941.2 | 3674.5 | 3262.8 | 3128.6  | 3122.7  | 3203.8 | 3096.0 |
| 50°   | 3929.4 | 3948.3 | 4051.1 | 4202.4 | 4379.6 | 4181.9 | 3710.4 | 3581.3  | 3575.0  | 3629.8 | 3489.3 |
| 52.5° | 4031.4 | 4042.3 | 4146.8 | 4358.7 | 4800.9 | 4869.1 | 4298.5 | 4132.2  | 4127.6  | 4151.4 | 4013.0 |
| 55°   | 3825.0 | 3844.6 | 3972.9 | 4287.2 | 5029.2 | 5645.7 | 5040.9 | 4814.3  | 4779.6  | 4728.2 | 4560.6 |
| 57.5° | 3262.3 | 3293.7 | 3431.6 | 3849.6 | 4922.6 | 6261.8 | 6131.8 | 5585.9  | 5534.9  | 5220.6 | 5005.8 |
| 60°   | 2444.4 | 2482.8 | 2597.3 | 3048.3 | 4353.7 | 6481.2 | 7323.9 | 6445.7  | 6330.8  | 5612.7 | 5415.0 |
| 62.5° | 1677.4 | 1696.6 | 1774.3 | 2068.2 | 3206.3 | 6121.8 | 8321.2 | 7597.2  | 7387.4  | 6039.0 | 5857.6 |
| 65°   | 1281.1 | 1287.8 | 1319.6 | 1420.7 | 1909.3 | 4972.7 | 8717.8 | 9116.6  | 8862.9  | 6548.9 | 6317.0 |
| 67.5° | 1032.4 | 1027.0 | 1070.9 | 1215.5 | 1278.6 | 3033.7 | 8255.1 | 10554.0 | 10435.3 | 7230.7 | 6779.2 |
| 69°   | 910.4  | 902.8  | 947.6  | 1115.6 | 1200.9 | 2005.5 | 7379.9 | 10880.5 | 10888.0 | 7590.6 | 6811.0 |
| 70°   | 819.2  | 824.3  | 868.6  | 1056.2 | 1174.5 | 1574.1 | 6543.9 | 10797.3 | 10856.7 | 7725.1 | 6620.4 |
| 72.5° | 547.1  | 560.5  | 649.5  | 876.9  | 1129.4 | 1191.2 | 3951.2 | 9265.4  | 9493.6  | 7422.1 | 5680.0 |
| 75°   | 308.5  | 318.5  | 424.3  | 661.2  | 1064.2 | 1134.4 | 2087.0 | 6826.1  | 7046.8  | 6206.6 | 4380.0 |
| 77.5° | 151.3  | 156.7  | 239.9  | 426.8  | 889.9  | 1080.9 | 1183.7 | 4636.7  | 4888.7  | 4051.1 | 2477.4 |
| 80°   | 64.0   | 66.9   | 120.0  | 263.3  | 636.2  | 1031.6 | 879.0  | 2853.6  | 2884.9  | 1587.1 | 660.0  |
| 82.5° | 24.7   | 25.5   | 50.6   | 164.3  | 404.2  | 804.2  | 735.2  | 1353.0  | 1320.4  | 298.9  | 150.5  |
| 85°   | 2.9    | 3.3    | 18.4   | 98.6   | 224.9  | 413.8  | 597.3  | 583.1   | 539.6   | 59.4   | 77.3   |
| 87.5° | 0.0    | 0.0    | 1.3    | 30.1   | 66.9   | 193.9  | 310.6  | 242.0   | 218.2   | 19.2   | 40.1   |
| 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°    | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 | 2496.2 |
| 2.5°  | 2489.9 | 2485.7 | 2463.2 | 2430.6 | 2399.6 | 2361.2 | 2324.4 | 2302.2 | 2284.7 | 2273.0 | 2286.8 |
| 5°    | 2496.6 | 2478.2 | 2409.7 | 2321.9 | 2235.8 | 2138.8 | 2048.5 | 1972.0 | 1941.9 | 1908.5 | 1923.6 |
| 7.5°  | 2494.5 | 2459.8 | 2336.5 | 2180.2 | 2022.2 | 1858.8 | 1704.1 | 1585.0 | 1523.1 | 1462.5 | 1478.0 |
| 10°   | 2484.1 | 2425.5 | 2238.7 | 2007.1 | 1770.6 | 1535.7 | 1316.2 | 1149.5 | 1056.2 | 971.8  | 983.9  |
| 12.5° | 2461.1 | 2379.6 | 2123.3 | 1809.0 | 1492.6 | 1182.9 | 925.8  | 712.2  | 597.7  | 547.1  | 553.4  |
| 15°   | 2447.3 | 2334.8 | 2001.3 | 1608.4 | 1195.8 | 823.8  | 565.9  | 420.9  | 368.7  | 351.9  | 354.0  |
| 17.5° | 2440.6 | 2291.8 | 1875.1 | 1378.9 | 892.4  | 524.6  | 365.7  | 322.7  | 311.4  | 308.5  | 309.3  |
| 20°   | 2433.9 | 2248.3 | 1745.1 | 1152.0 | 614.9  | 352.8  | 300.5  | 288.0  | 283.8  | 280.0  | 280.9  |
| 22.5° | 2422.6 | 2206.5 | 1605.5 | 922.1  | 414.6  | 286.3  | 270.9  | 258.7  | 250.0  | 245.4  | 246.2  |
| 25°   | 2408.8 | 2162.6 | 1462.9 | 686.7  | 302.6  | 255.4  | 240.8  | 223.6  | 213.2  | 204.8  | 205.2  |
| 27.5° | 2386.7 | 2108.7 | 1315.8 | 499.9  | 254.1  | 228.6  | 209.0  | 190.2  | 172.6  | 163.0  | 163.0  |
| 30°   | 2355.7 | 2047.7 | 1152.4 | 357.8  | 227.8  | 202.3  | 178.5  | 155.1  | 136.3  | 127.5  | 126.6  |
| 32.5° | 2321.5 | 1984.2 | 987.3  | 271.3  | 206.9  | 177.6  | 150.5  | 125.8  | 109.1  | 102.0  | 101.6  |
| 35°   | 2292.2 | 1915.6 | 822.6  | 227.4  | 186.0  | 153.8  | 124.1  | 103.2  | 89.9   | 84.0   | 83.6   |
| 37.5° | 2273.4 | 1847.1 | 662.1  | 203.1  | 167.2  | 131.7  | 104.1  | 85.3   | 75.7   | 71.1   | 70.6   |
| 40°   | 2270.5 | 1796.1 | 515.4  | 184.7  | 149.6  | 112.0  | 86.9   | 72.3   | 63.5   | 58.5   | 58.1   |
| 42.5° | 2308.5 | 1766.8 | 395.4  | 169.3  | 131.7  | 94.9   | 74.0   | 61.9   | 52.7   | 47.6   | 47.2   |
| 45°   | 2408.4 | 1776.0 | 304.3  | 155.5  | 113.7  | 80.3   | 62.7   | 51.4   | 43.1   | 39.3   | 38.5   |
| 47.5° | 2590.7 | 1839.5 | 242.0  | 141.7  | 96.6   | 68.1   | 53.5   | 42.6   | 35.5   | 31.8   | 31.3   |
| 50°   | 2915.0 | 1988.8 | 202.3  | 126.6  | 80.7   | 58.1   | 44.3   | 34.7   | 28.8   | 25.5   | 25.1   |
| 52.5° | 3345.5 | 2254.6 | 180.6  | 112.0  | 66.9   | 49.3   | 36.4   | 27.6   | 22.6   | 20.1   | 19.6   |
| 55°   | 3820.4 | 2576.4 | 166.4  | 96.1   | 54.8   | 41.0   | 28.8   | 21.7   | 17.6   | 15.5   | 14.6   |
| 57.5° | 4283.9 | 2855.2 | 153.0  | 80.7   | 45.6   | 33.4   | 23.0   | 17.1   | 13.8   | 11.7   | 11.3   |
| 60°   | 4709.8 | 3111.5 | 137.5  | 64.8   | 37.2   | 26.3   | 18.0   | 13.4   | 10.9   | 8.8    | 8.8    |
| 62.5° | 5165.8 | 3309.6 | 116.2  | 50.6   | 30.5   | 20.1   | 14.6   | 12.1   | 8.8    | 7.5    | 7.1    |
| 65°   | 5649.0 | 3456.7 | 91.1   | 39.3   | 23.8   | 15.0   | 12.1   | 12.5   | 7.1    | 5.4    | 5.0    |
| 67.5° | 6006.0 | 3427.5 | 67.3   | 30.9   | 18.4   | 11.7   | 11.7   | 13.4   | 6.3    | 4.2    | 3.8    |
| 69°   | 5927.4 | 3189.6 | 56.4   | 26.8   | 15.9   | 10.0   | 10.9   | 13.4   | 5.9    | 3.8    | 3.3    |
| 70°   | 5699.6 | 2926.3 | 49.7   | 23.8   | 14.2   | 9.2    | 10.4   | 13.0   | 5.4    | 3.8    | 3.3    |
| 72.5° | 4746.6 | 2204.0 | 38.9   | 18.0   | 11.3   | 7.5    | 8.8    | 11.3   | 5.4    | 3.8    | 2.9    |
| 75°   | 3570.4 | 1410.7 | 29.7   | 13.0   | 8.4    | 5.9    | 6.7    | 8.4    | 5.4    | 3.3    | 2.9    |
| 77.5° | 1942.8 | 508.7  | 21.3   | 8.8    | 5.9    | 4.6    | 4.6    | 6.3    | 5.0    | 2.5    | 1.7    |
| 80°   | 499.5  | 127.9  | 13.4   | 5.9    | 4.6    | 3.3    | 2.9    | 4.2    | 2.9    | 0.4    | 0.0    |
| 82.5° | 123.3  | 28.8   | 7.1    | 4.2    | 3.3    | 1.3    | 1.3    | 2.1    | 1.3    | 0.0    | 0.0    |
| 85°   | 67.7   | 14.2   | 4.6    | 2.9    | 1.7    | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.0    |
| 87.5° | 34.7   | 4.2    | 1.3    | 0.8    | 0.4    | 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    |



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

Scaled Data Report



Report Generated By 670245982

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