

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: P386236

Luminaire Tested: **GWC-SA1D-760-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1D-760-U-T4W-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6005 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

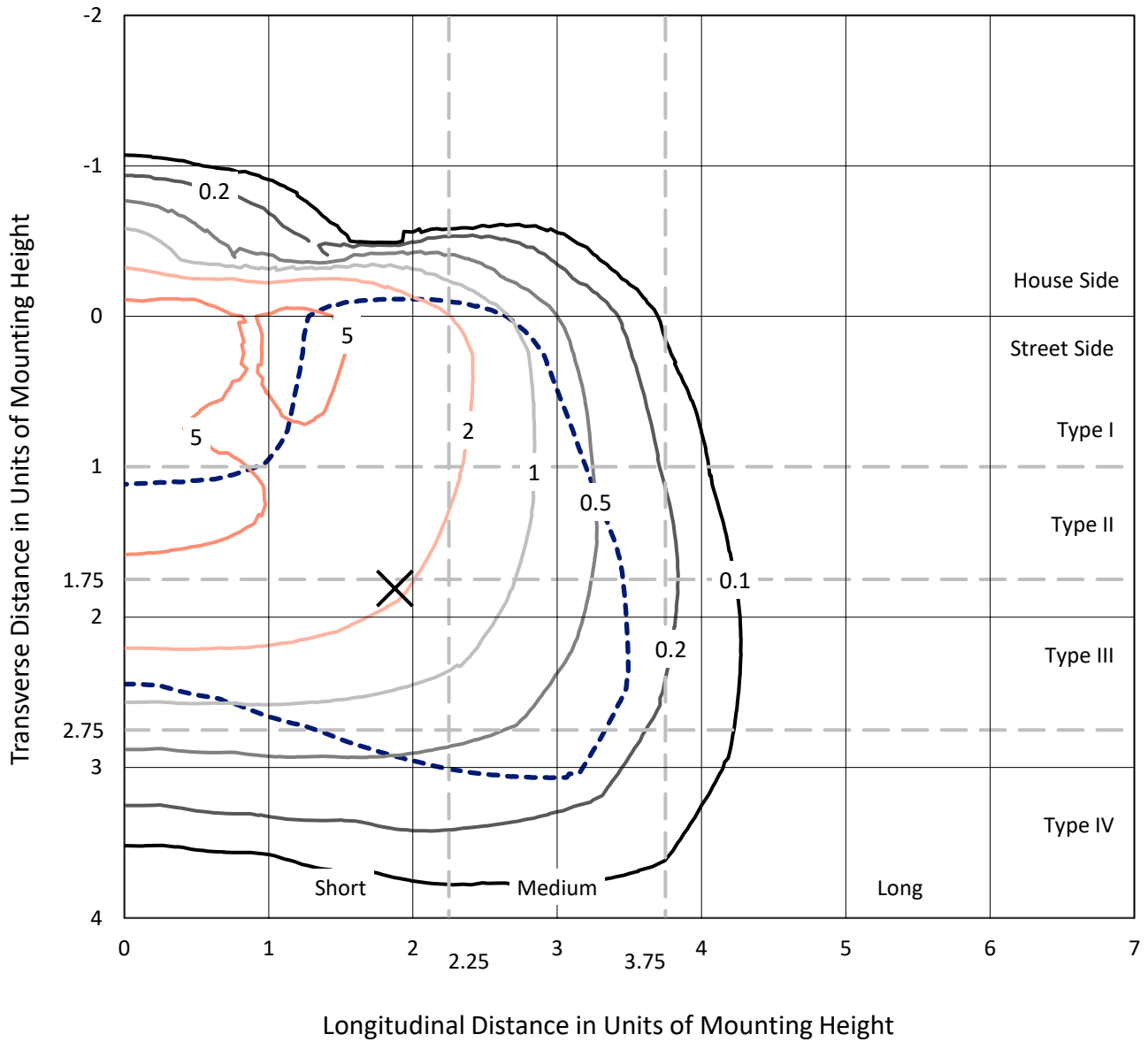
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

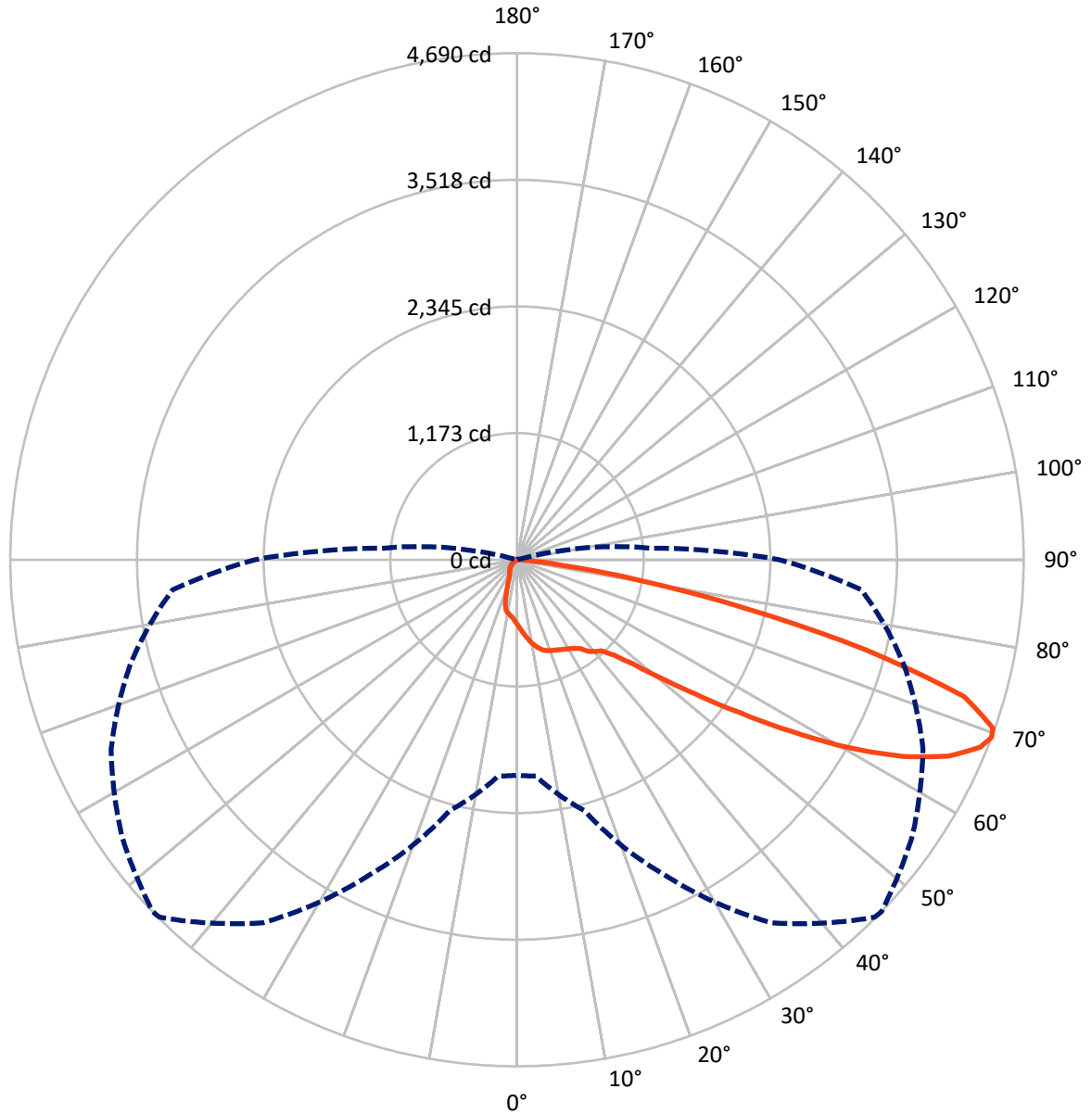
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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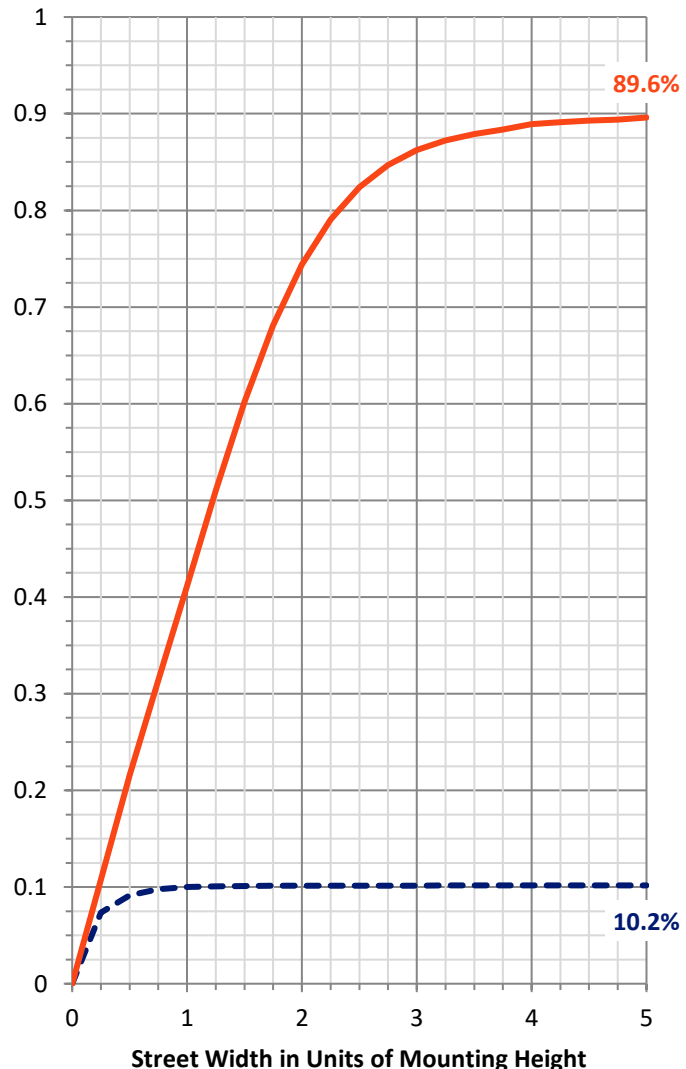
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 616.3 | 0.0 | 616.3 |
| | % Fixture | 10.3 | 0.0 | 10.3 |
| Street Side | Lumens | 5388.7 | 0.0 | 5388.7 |
| | % Fixture | 89.7 | 0.0 | 89.7 |
| Total | Lumens | 6005.0 | 0.0 | 6005.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.9 | 1.0 |
| 10°-20° | 181.7 | 3.0 |
| 20°-30° | 285.7 | 4.8 |
| 30°-40° | 409.7 | 6.8 |
| 40°-50° | 708.2 | 11.8 |
| 50°-60° | 1399.1 | 23.3 |
| 60°-70° | 1955.3 | 32.6 |
| 70°-80° | 944.6 | 15.7 |
| 80°-90° | 60.7 | 1.0 |
| 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° | 6005.0 | 100.0 |
| 0°-180° | 6005.0 | 100.0 |



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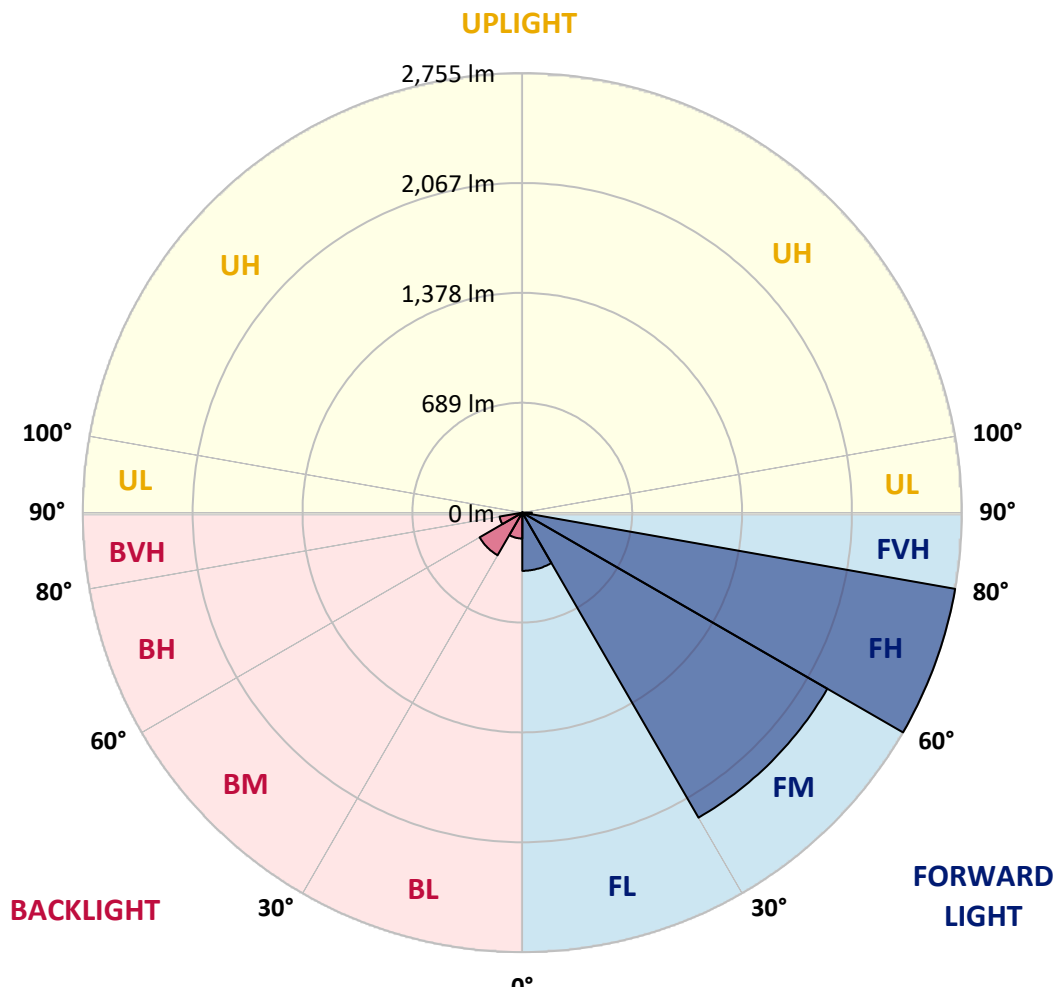
CATALOG NUMBER: GWC-SA1D-760-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 364.9 | 6.1 | | | |
| FM (30°-60°) | 2208.2 | 36.8 | | | |
| FH (60°-80°) | 2755.5 | 45.9 | | | G2/5000 |
| FVH (80°-90°) | 60.2 | 1.0 | | | G1/100 |
| BL (0°-30°) | 162.4 | 2.7 | B1/500 | | |
| BM (30°-60°) | 308.8 | 5.1 | B1/1000 | | |
| BH (60°-80°) | 144.5 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.5 | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 |
| 2.5° | 668.4 | 667.6 | 663.6 | 661.9 | 652.4 | 646.7 | 644.5 | 637.4 | 627.3 | 617.2 | 605.9 |
| 5° | 744.4 | 744.1 | 736.8 | 729.8 | 711.8 | 694.9 | 691.8 | 675.4 | 652.6 | 631.2 | 609.8 |
| 7.5° | 822.1 | 818.5 | 811.2 | 797.6 | 771.5 | 744.4 | 741.9 | 718.8 | 686.4 | 655.5 | 624.8 |
| 10° | 888.0 | 885.8 | 876.2 | 855.6 | 825.0 | 794.3 | 791.2 | 762.7 | 726.1 | 688.1 | 649.0 |
| 12.5° | 939.3 | 937.6 | 924.9 | 899.3 | 866.6 | 834.8 | 830.6 | 805.2 | 766.1 | 723.6 | 677.4 |
| 15° | 970.5 | 969.7 | 954.2 | 926.9 | 894.8 | 867.2 | 863.5 | 841.3 | 805.0 | 760.5 | 708.4 |
| 17.5° | 977.8 | 978.1 | 962.1 | 934.5 | 908.0 | 888.3 | 885.5 | 868.6 | 838.2 | 794.0 | 739.4 |
| 20° | 961.5 | 964.9 | 950.5 | 926.6 | 910.3 | 899.8 | 897.6 | 887.5 | 861.8 | 820.2 | 764.1 |
| 22.5° | 938.4 | 940.1 | 930.3 | 914.2 | 907.4 | 909.4 | 908.3 | 902.7 | 881.0 | 842.7 | 788.6 |
| 25° | 924.3 | 924.3 | 918.4 | 904.9 | 909.4 | 921.5 | 921.8 | 920.7 | 903.5 | 870.3 | 818.5 |
| 27.5° | 923.8 | 922.1 | 915.3 | 905.2 | 917.6 | 936.2 | 937.3 | 944.9 | 934.2 | 903.8 | 855.6 |
| 30° | 946.3 | 944.3 | 930.0 | 916.7 | 932.5 | 952.5 | 955.3 | 971.9 | 966.6 | 940.1 | 897.0 |
| 32.5° | 998.9 | 991.9 | 960.1 | 938.4 | 950.2 | 974.2 | 977.8 | 1004.3 | 1012.7 | 984.9 | 937.0 |
| 35° | 1071.0 | 1048.8 | 1002.9 | 979.5 | 980.6 | 1005.7 | 1009.1 | 1047.9 | 1073.0 | 1026.0 | 968.0 |
| 37.5° | 1170.4 | 1159.4 | 1084.8 | 1022.3 | 1027.4 | 1065.4 | 1075.3 | 1117.5 | 1110.4 | 1048.5 | 1003.2 |
| 40° | 1388.3 | 1371.2 | 1291.8 | 1142.3 | 1072.2 | 1113.8 | 1116.9 | 1139.4 | 1140.0 | 1099.5 | 1076.4 |
| 42.5° | 1685.1 | 1678.1 | 1594.4 | 1359.9 | 1160.3 | 1146.2 | 1151.8 | 1189.8 | 1232.4 | 1207.0 | 1205.9 |
| 45° | 2013.7 | 2010.0 | 1921.3 | 1648.8 | 1338.5 | 1252.3 | 1259.4 | 1310.3 | 1391.7 | 1397.3 | 1433.1 |
| 47.5° | 2278.0 | 2276.4 | 2225.4 | 1971.2 | 1611.3 | 1432.3 | 1434.5 | 1488.6 | 1631.6 | 1702.3 | 1759.4 |
| 50° | 2519.1 | 2527.2 | 2487.0 | 2320.0 | 1983.0 | 1714.1 | 1708.7 | 1744.8 | 1974.5 | 2090.2 | 2161.2 |
| 52.5° | 2854.1 | 2865.6 | 2752.7 | 2645.5 | 2372.9 | 2063.8 | 2059.6 | 2097.3 | 2386.7 | 2473.4 | 2486.1 |
| 55° | 3150.0 | 3130.3 | 3041.1 | 3010.1 | 2848.5 | 2495.7 | 2494.6 | 2527.8 | 2785.4 | 2822.3 | 2845.7 |
| 57.5° | 3280.7 | 3273.1 | 3316.1 | 3387.1 | 3346.5 | 3006.1 | 3003.6 | 2978.3 | 3142.1 | 3146.1 | 3217.9 |
| 60° | 3363.1 | 3372.4 | 3504.5 | 3723.3 | 3824.3 | 3555.5 | 3539.1 | 3384.5 | 3482.8 | 3474.1 | 3550.9 |
| 62.5° | 3301.2 | 3319.5 | 3557.1 | 3921.8 | 4181.9 | 4034.9 | 4011.8 | 3756.8 | 3773.9 | 3743.8 | 3815.3 |
| 65° | 2972.4 | 3000.8 | 3390.2 | 3884.3 | 4359.3 | 4409.7 | 4386.3 | 4085.3 | 4005.1 | 3955.5 | 3915.8 |
| 67.5° | 2413.5 | 2430.4 | 2836.9 | 3558.5 | 4279.3 | 4633.2 | 4628.4 | 4373.4 | 4179.7 | 3919.8 | 3611.8 |
| 69° | 1994.5 | 2011.1 | 2402.5 | 3215.6 | 4103.4 | 4681.1 | 4690.4 | 4465.7 | 4146.4 | 3702.4 | 3200.1 |
| 70° | 1689.3 | 1707.1 | 2071.7 | 2921.7 | 3899.2 | 4658.9 | 4675.5 | 4457.0 | 4051.3 | 3450.7 | 2838.9 |
| 72.5° | 886.0 | 901.3 | 1275.4 | 2012.8 | 3178.7 | 4277.9 | 4328.3 | 4080.3 | 3434.1 | 2506.1 | 1678.6 |
| 75° | 278.5 | 287.2 | 498.1 | 1052.2 | 2176.4 | 3326.3 | 3337.8 | 3200.7 | 2438.5 | 1378.5 | 699.1 |
| 77.5° | 106.1 | 103.6 | 165.8 | 387.7 | 1100.3 | 2094.5 | 2165.1 | 2000.2 | 1279.7 | 487.4 | 161.3 |
| 80° | 57.2 | 57.4 | 86.2 | 160.5 | 470.8 | 1076.4 | 1136.1 | 969.4 | 454.7 | 152.0 | 37.2 |
| 82.5° | 24.8 | 25.9 | 48.4 | 85.0 | 216.2 | 397.0 | 426.8 | 355.3 | 173.7 | 102.2 | 13.8 |
| 85° | 5.3 | 5.9 | 23.4 | 46.2 | 88.1 | 111.5 | 116.8 | 115.2 | 110.7 | 79.4 | 5.3 |
| 87.5° | 0.0 | 0.0 | 10.4 | 16.6 | 22.2 | 25.3 | 22.2 | 29.0 | 61.1 | 53.5 | 2.8 |
| 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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CATALOG NUMBER: GWC-SA1D-760-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 | 601.7 |
| 2.5° | 602.2 | 597.2 | 588.4 | 578.9 | 572.1 | 565.1 | 559.4 | 556.9 | 554.1 | 552.1 | 554.7 |
| 5° | 601.1 | 591.3 | 574.4 | 558.0 | 546.2 | 536.6 | 528.8 | 525.7 | 522.6 | 520.3 | 520.0 |
| 7.5° | 611.0 | 597.2 | 571.3 | 547.3 | 529.0 | 516.1 | 505.4 | 500.9 | 497.2 | 495.5 | 494.1 |
| 10° | 629.8 | 612.1 | 577.5 | 546.2 | 522.6 | 500.6 | 477.5 | 459.8 | 448.2 | 442.9 | 440.9 |
| 12.5° | 654.3 | 632.1 | 589.3 | 552.1 | 517.8 | 475.5 | 426.6 | 384.3 | 357.0 | 348.0 | 342.6 |
| 15° | 683.0 | 655.5 | 604.8 | 559.7 | 500.3 | 423.2 | 340.1 | 284.9 | 259.6 | 254.5 | 248.9 |
| 17.5° | 710.6 | 680.2 | 623.4 | 561.1 | 462.0 | 338.1 | 249.2 | 211.7 | 201.9 | 205.3 | 206.1 |
| 20° | 734.9 | 704.7 | 641.7 | 548.7 | 392.5 | 253.7 | 192.9 | 183.6 | 187.2 | 193.7 | 194.8 |
| 22.5° | 759.3 | 728.4 | 658.6 | 516.1 | 303.5 | 192.6 | 173.7 | 176.0 | 179.6 | 186.1 | 187.2 |
| 25° | 789.2 | 757.1 | 674.3 | 456.1 | 227.8 | 163.9 | 165.0 | 168.4 | 172.0 | 177.9 | 178.5 |
| 27.5° | 823.5 | 793.4 | 684.7 | 378.1 | 168.9 | 150.6 | 154.3 | 159.4 | 163.0 | 168.7 | 169.8 |
| 30° | 869.2 | 841.3 | 688.1 | 297.3 | 141.6 | 138.8 | 140.5 | 146.7 | 152.0 | 157.1 | 158.0 |
| 32.5° | 911.9 | 888.6 | 676.9 | 224.4 | 131.2 | 127.8 | 127.8 | 131.5 | 137.7 | 142.5 | 143.6 |
| 35° | 951.4 | 936.2 | 640.8 | 164.1 | 123.3 | 117.7 | 114.9 | 114.9 | 118.8 | 122.8 | 123.9 |
| 37.5° | 1003.5 | 1002.9 | 582.5 | 130.9 | 115.7 | 109.2 | 103.3 | 98.8 | 97.4 | 98.3 | 98.8 |
| 40° | 1092.7 | 1093.6 | 506.5 | 117.4 | 109.2 | 100.5 | 91.5 | 83.3 | 75.7 | 73.2 | 72.9 |
| 42.5° | 1232.1 | 1219.4 | 426.8 | 110.9 | 103.6 | 91.5 | 78.0 | 67.0 | 55.2 | 51.5 | 51.2 |
| 45° | 1453.4 | 1378.2 | 342.4 | 105.0 | 97.7 | 81.4 | 64.5 | 49.6 | 40.0 | 37.2 | 37.2 |
| 47.5° | 1775.8 | 1586.8 | 265.2 | 98.5 | 89.8 | 69.8 | 48.7 | 35.8 | 29.3 | 27.9 | 28.2 |
| 50° | 2109.1 | 1791.2 | 203.3 | 90.4 | 80.2 | 57.7 | 36.0 | 25.9 | 22.2 | 22.2 | 22.5 |
| 52.5° | 2404.7 | 1941.0 | 158.5 | 81.7 | 68.4 | 45.3 | 27.3 | 20.3 | 18.6 | 18.3 | 18.6 |
| 55° | 2681.5 | 2037.6 | 121.3 | 71.5 | 54.3 | 33.8 | 20.8 | 16.6 | 15.5 | 14.9 | 14.6 |
| 57.5° | 2948.4 | 2085.5 | 90.9 | 57.7 | 39.4 | 24.5 | 16.6 | 14.1 | 13.0 | 12.1 | 11.8 |
| 60° | 3126.1 | 2046.6 | 62.5 | 42.5 | 27.3 | 17.7 | 13.8 | 12.1 | 10.7 | 9.9 | 9.6 |
| 62.5° | 3226.3 | 1940.5 | 40.3 | 30.7 | 19.4 | 13.2 | 11.0 | 10.1 | 8.2 | 7.3 | 7.3 |
| 65° | 3185.8 | 1765.3 | 28.2 | 22.0 | 14.1 | 9.9 | 8.2 | 8.2 | 5.9 | 4.8 | 4.5 |
| 67.5° | 2823.1 | 1491.4 | 21.4 | 16.3 | 10.1 | 7.3 | 6.2 | 7.0 | 3.7 | 2.3 | 2.3 |
| 69° | 2429.0 | 1236.0 | 18.3 | 13.5 | 8.4 | 5.9 | 5.3 | 6.5 | 2.5 | 1.7 | 1.4 |
| 70° | 2111.1 | 1066.2 | 16.6 | 11.8 | 7.0 | 5.1 | 4.8 | 6.2 | 2.5 | 1.4 | 1.1 |
| 72.5° | 1263.0 | 594.6 | 12.7 | 8.4 | 4.5 | 3.9 | 3.9 | 7.0 | 2.5 | 1.4 | 1.1 |
| 75° | 510.5 | 209.5 | 9.3 | 5.9 | 3.4 | 3.4 | 4.8 | 9.0 | 2.3 | 1.1 | 0.8 |
| 77.5° | 115.7 | 45.9 | 5.3 | 3.7 | 2.3 | 3.4 | 5.6 | 7.0 | 1.4 | 0.6 | 0.0 |
| 80° | 28.2 | 11.3 | 3.4 | 2.3 | 1.4 | 2.5 | 4.2 | 3.9 | 0.3 | 0.0 | 0.0 |
| 82.5° | 9.3 | 3.9 | 1.4 | 1.1 | 0.3 | 0.8 | 2.0 | 1.1 | 0.0 | 0.0 | 0.0 |
| 85° | 3.9 | 2.3 | 0.6 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.5 | 0.8 | 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 |

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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