

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: P385852

Luminaire Tested: **GWC-SA1C-722-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385852
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-SA1C-722-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS 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: 4599 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

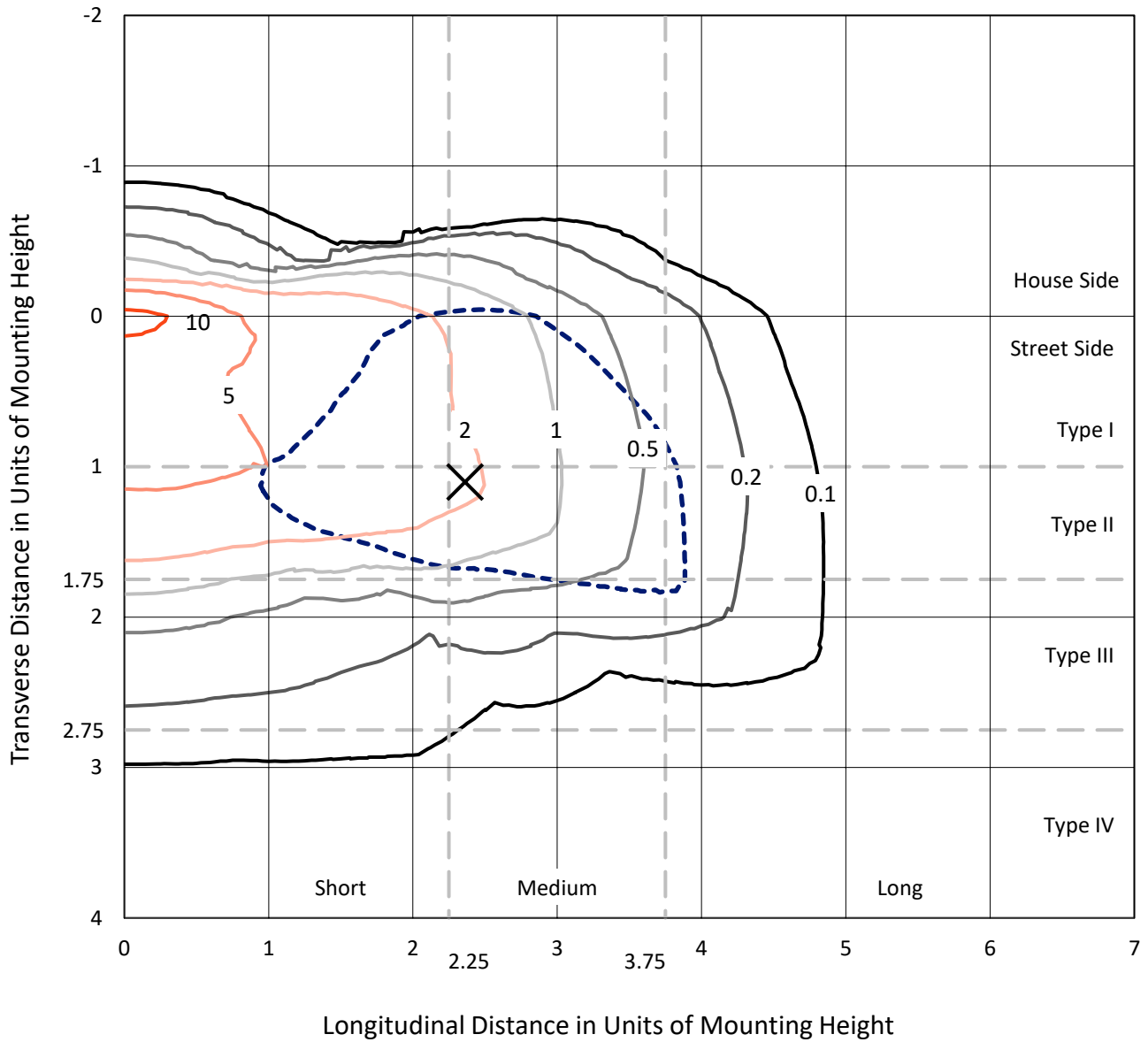
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

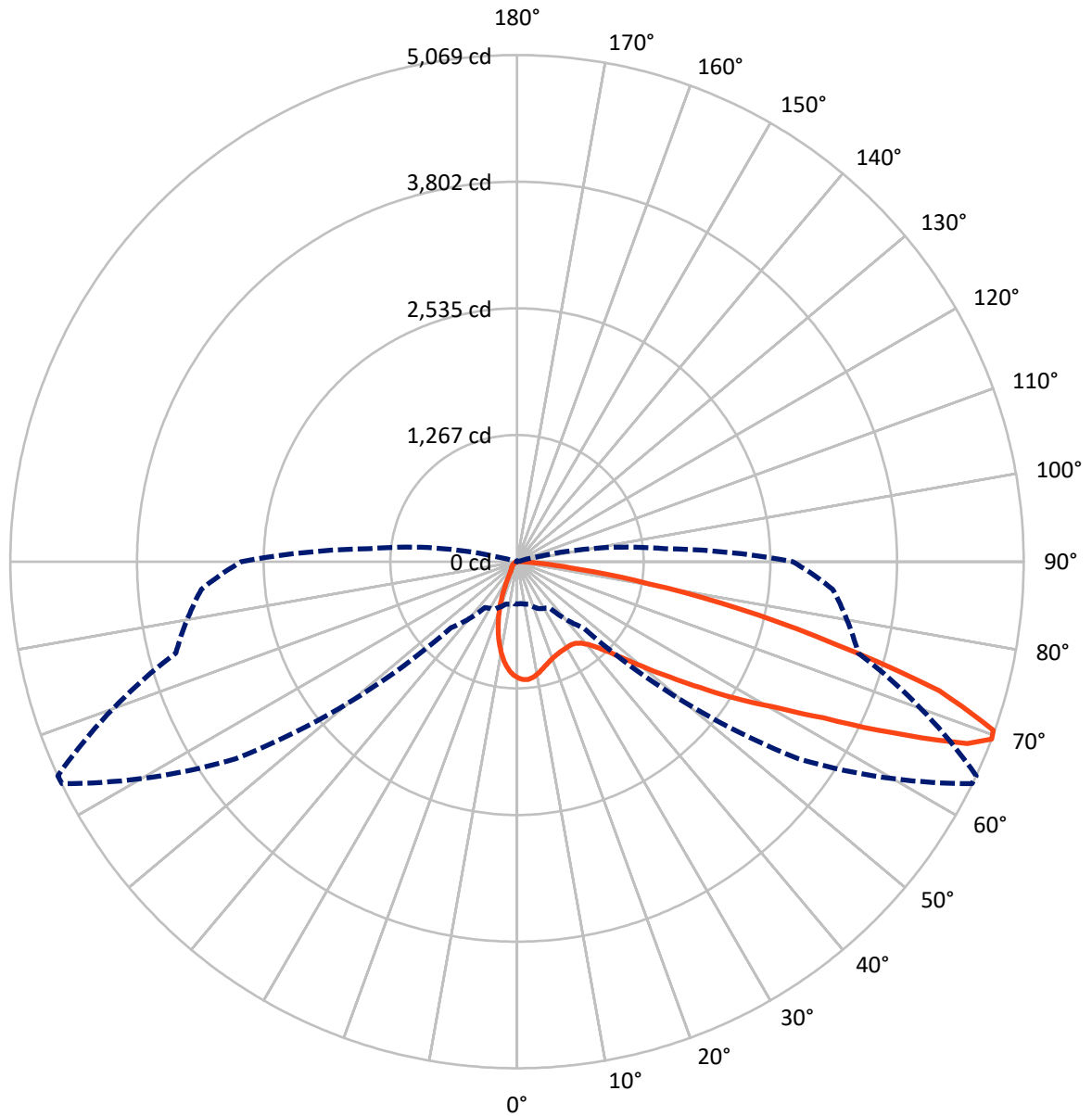
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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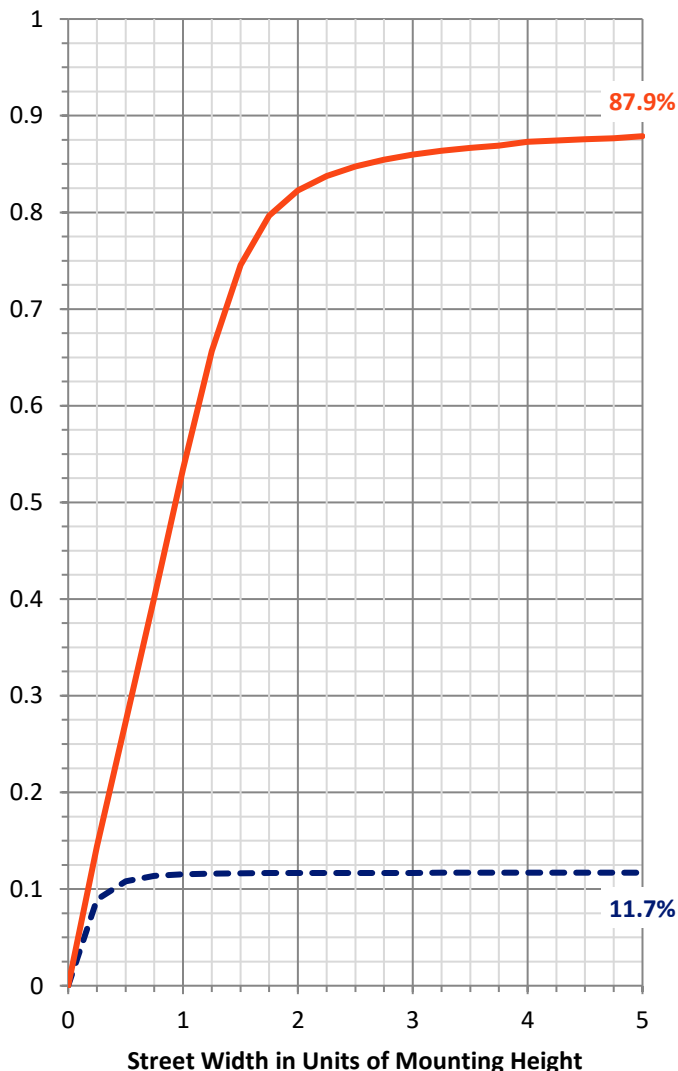
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 542.1 | 0.0 | 542.1 |
| | % Fixture | 11.8 | 0.0 | 11.8 |
| Street Side | Lumens | 4056.9 | 0.0 | 4056.9 |
| | % Fixture | 88.2 | 0.0 | 88.2 |
| Total | Lumens | 4599.0 | 0.0 | 4599.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.2 | 2.1 |
| 10°-20° | 212.7 | 4.6 |
| 20°-30° | 294.6 | 6.4 |
| 30°-40° | 410.8 | 8.9 |
| 40°-50° | 638.6 | 13.9 |
| 50°-60° | 1025.1 | 22.3 |
| 60°-70° | 1159.6 | 25.2 |
| 70°-80° | 681.1 | 14.8 |
| 80°-90° | 79.2 | 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° | 4599.0 | 100.0 |
| 0°-180° | 4599.0 | 100.0 |

Coefficient of Utilization



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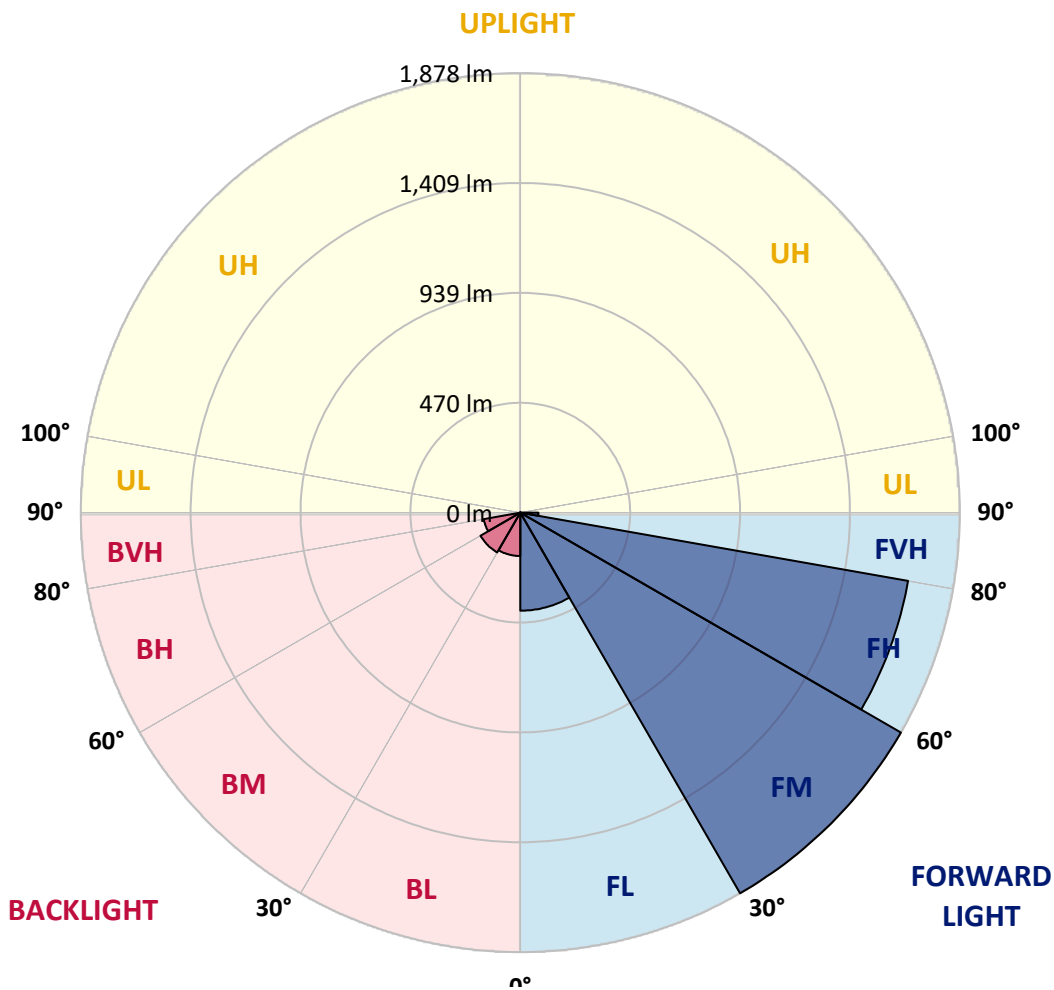
CATALOG NUMBER: GWC-SA1C-722-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 419.1 | 9.1 | | | |
| FM (30°-60°) | 1878.1 | 40.8 | | | |
| FH (60°-80°) | 1682.3 | 36.6 | | | G1/1800 |
| FVH (80°-90°) | 77.4 | 1.7 | | | G1/100 |
| BL (0°-30°) | 185.5 | 4.0 | B1/500 | | |
| BM (30°-60°) | 196.5 | 4.3 | B0/220 | | |
| BH (60°-80°) | 158.4 | 3.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.8 | 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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5° | 1172.5 | 1169.6 | 1171.9 | 1177.0 | 1179.5 | 1179.5 | 1181.4 | 1179.1 | 1179.9 | 1174.2 | 1166.1 |
| 5° | 1099.1 | 1094.6 | 1101.1 | 1115.3 | 1132.8 | 1147.8 | 1170.0 | 1181.6 | 1182.8 | 1183.0 | 1173.5 |
| 7.5° | 1020.1 | 1016.0 | 1025.6 | 1042.3 | 1064.9 | 1092.7 | 1131.4 | 1165.3 | 1167.2 | 1185.5 | 1178.5 |
| 10° | 955.9 | 953.0 | 964.1 | 982.0 | 1008.4 | 1039.6 | 1087.1 | 1134.2 | 1139.8 | 1180.3 | 1177.7 |
| 12.5° | 904.9 | 902.6 | 913.1 | 933.7 | 960.8 | 995.2 | 1044.8 | 1099.5 | 1107.1 | 1168.4 | 1173.9 |
| 15° | 867.7 | 867.4 | 876.1 | 896.0 | 925.9 | 958.0 | 1008.8 | 1067.4 | 1076.2 | 1155.6 | 1173.3 |
| 17.5° | 848.3 | 848.9 | 855.3 | 872.2 | 897.9 | 929.8 | 978.5 | 1040.4 | 1049.9 | 1144.1 | 1176.2 |
| 20° | 846.3 | 846.9 | 850.4 | 860.0 | 880.8 | 909.0 | 953.8 | 1017.6 | 1027.5 | 1135.5 | 1180.9 |
| 22.5° | 863.5 | 863.1 | 864.0 | 863.1 | 874.7 | 896.2 | 937.4 | 1000.1 | 1011.6 | 1129.9 | 1184.6 |
| 25° | 896.3 | 895.8 | 895.4 | 888.2 | 880.4 | 891.9 | 930.6 | 990.1 | 1001.0 | 1125.8 | 1186.7 |
| 27.5° | 942.1 | 941.7 | 941.1 | 929.2 | 905.9 | 898.7 | 931.4 | 986.4 | 995.6 | 1122.5 | 1186.3 |
| 30° | 1002.2 | 1004.9 | 1004.2 | 987.6 | 951.2 | 919.5 | 939.5 | 984.5 | 992.5 | 1116.1 | 1182.2 |
| 32.5° | 1072.9 | 1078.3 | 1082.6 | 1064.9 | 1019.3 | 960.8 | 958.4 | 986.6 | 992.5 | 1111.2 | 1174.8 |
| 35° | 1146.2 | 1153.2 | 1169.0 | 1162.8 | 1102.8 | 1022.8 | 990.9 | 999.5 | 1004.4 | 1113.9 | 1171.3 |
| 37.5° | 1218.4 | 1226.8 | 1261.0 | 1279.1 | 1212.2 | 1105.0 | 1041.5 | 1031.2 | 1033.7 | 1130.5 | 1175.2 |
| 40° | 1302.3 | 1314.9 | 1366.9 | 1396.1 | 1342.8 | 1214.9 | 1117.2 | 1085.7 | 1086.7 | 1166.8 | 1193.3 |
| 42.5° | 1412.4 | 1425.5 | 1481.7 | 1527.4 | 1489.9 | 1353.9 | 1220.0 | 1169.0 | 1168.0 | 1235.0 | 1235.9 |
| 45° | 1546.7 | 1560.3 | 1618.5 | 1669.3 | 1652.4 | 1518.5 | 1351.5 | 1290.6 | 1289.4 | 1342.4 | 1316.7 |
| 47.5° | 1698.9 | 1712.3 | 1764.3 | 1816.6 | 1834.9 | 1710.8 | 1519.1 | 1456.6 | 1453.9 | 1491.6 | 1441.4 |
| 50° | 1829.5 | 1838.2 | 1886.1 | 1956.5 | 2039.1 | 1947.0 | 1727.5 | 1667.4 | 1664.4 | 1689.9 | 1624.6 |
| 52.5° | 1877.0 | 1882.0 | 1930.7 | 2029.3 | 2235.2 | 2266.9 | 2001.3 | 1923.9 | 1921.7 | 1932.8 | 1868.4 |
| 55° | 1780.8 | 1790.0 | 1849.7 | 1996.1 | 2341.5 | 2628.5 | 2346.9 | 2241.4 | 2225.3 | 2201.4 | 2123.3 |
| 57.5° | 1518.9 | 1533.5 | 1597.7 | 1792.3 | 2291.9 | 2915.4 | 2854.8 | 2600.7 | 2576.9 | 2430.6 | 2330.6 |
| 60° | 1138.0 | 1155.9 | 1209.3 | 1419.2 | 2027.0 | 3017.5 | 3409.9 | 3001.0 | 2947.5 | 2613.1 | 2521.1 |
| 62.5° | 780.9 | 789.9 | 826.1 | 962.9 | 1492.8 | 2850.2 | 3874.2 | 3537.1 | 3439.4 | 2811.6 | 2727.2 |
| 65° | 596.5 | 599.6 | 614.4 | 661.5 | 889.0 | 2315.2 | 4058.9 | 4244.5 | 4126.4 | 3049.1 | 2941.1 |
| 67.5° | 480.7 | 478.1 | 498.6 | 565.9 | 595.3 | 1412.4 | 3843.4 | 4913.8 | 4858.5 | 3366.5 | 3156.3 |
| 69° | 423.8 | 420.3 | 441.2 | 519.4 | 559.1 | 933.7 | 3435.9 | 5065.7 | 5069.2 | 3534.0 | 3171.1 |
| 70° | 381.4 | 383.8 | 404.4 | 491.8 | 546.8 | 732.9 | 3046.7 | 5027.0 | 5054.6 | 3596.7 | 3082.3 |
| 72.5° | 254.7 | 261.0 | 302.4 | 408.3 | 525.8 | 554.6 | 1839.6 | 4313.8 | 4420.0 | 3455.6 | 2644.5 |
| 75° | 143.6 | 148.3 | 197.5 | 307.9 | 495.5 | 528.2 | 971.7 | 3178.1 | 3280.8 | 2889.7 | 2039.3 |
| 77.5° | 70.4 | 73.0 | 111.7 | 198.7 | 414.3 | 503.2 | 551.1 | 2158.7 | 2276.1 | 1886.1 | 1153.4 |
| 80° | 29.8 | 31.1 | 55.9 | 122.6 | 296.2 | 480.3 | 409.3 | 1328.6 | 1343.2 | 738.9 | 307.3 |
| 82.5° | 11.5 | 11.9 | 23.5 | 76.5 | 188.2 | 374.4 | 342.3 | 629.9 | 614.8 | 139.1 | 70.1 |
| 85° | 1.4 | 1.6 | 8.6 | 45.9 | 104.7 | 192.7 | 278.1 | 271.5 | 251.2 | 27.6 | 36.0 |
| 87.5° | 0.0 | 0.0 | 0.6 | 14.0 | 31.1 | 90.3 | 144.6 | 112.7 | 101.6 | 9.0 | 18.7 |
| 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° | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 | 1162.2 |
| 2.5° | 1159.3 | 1157.3 | 1146.8 | 1131.6 | 1117.2 | 1099.3 | 1082.2 | 1071.9 | 1063.7 | 1058.3 | 1064.7 |
| 5° | 1162.4 | 1153.8 | 1121.9 | 1081.0 | 1040.9 | 995.8 | 953.8 | 918.1 | 904.1 | 888.6 | 895.6 |
| 7.5° | 1161.4 | 1145.2 | 1087.8 | 1015.1 | 941.5 | 865.4 | 793.4 | 737.9 | 709.1 | 680.9 | 688.1 |
| 10° | 1156.5 | 1129.3 | 1042.3 | 934.5 | 824.3 | 715.0 | 612.8 | 535.2 | 491.8 | 452.5 | 458.1 |
| 12.5° | 1145.8 | 1107.9 | 988.6 | 842.2 | 694.9 | 550.7 | 431.0 | 331.6 | 278.3 | 254.7 | 257.7 |
| 15° | 1139.4 | 1087.1 | 931.8 | 748.8 | 556.8 | 383.6 | 263.5 | 196.0 | 171.6 | 163.9 | 164.8 |
| 17.5° | 1136.3 | 1067.0 | 873.0 | 642.0 | 415.5 | 244.2 | 170.3 | 150.2 | 145.0 | 143.6 | 144.0 |
| 20° | 1133.2 | 1046.8 | 812.5 | 536.3 | 286.3 | 164.2 | 139.9 | 134.1 | 132.1 | 130.4 | 130.8 |
| 22.5° | 1127.9 | 1027.3 | 747.5 | 429.3 | 193.0 | 133.3 | 126.1 | 120.5 | 116.4 | 114.2 | 114.6 |
| 25° | 1121.5 | 1006.9 | 681.1 | 319.7 | 140.9 | 118.9 | 112.1 | 104.1 | 99.2 | 95.4 | 95.6 |
| 27.5° | 1111.2 | 981.8 | 612.6 | 232.7 | 118.3 | 106.4 | 97.3 | 88.5 | 80.4 | 75.9 | 75.9 |
| 30° | 1096.8 | 953.4 | 536.5 | 166.6 | 106.1 | 94.2 | 83.1 | 72.2 | 63.4 | 59.4 | 59.0 |
| 32.5° | 1080.8 | 923.8 | 459.7 | 126.3 | 96.3 | 82.7 | 70.1 | 58.6 | 50.8 | 47.5 | 47.3 |
| 35° | 1067.2 | 891.9 | 383.0 | 105.9 | 86.6 | 71.6 | 57.8 | 48.1 | 41.8 | 39.1 | 38.9 |
| 37.5° | 1058.5 | 860.0 | 308.3 | 94.6 | 77.8 | 61.3 | 48.5 | 39.7 | 35.2 | 33.1 | 32.9 |
| 40° | 1057.1 | 836.2 | 239.9 | 86.0 | 69.7 | 52.2 | 40.5 | 33.7 | 29.6 | 27.2 | 27.0 |
| 42.5° | 1074.8 | 822.6 | 184.1 | 78.8 | 61.3 | 44.2 | 34.4 | 28.8 | 24.5 | 22.2 | 22.0 |
| 45° | 1121.3 | 826.9 | 141.7 | 72.4 | 52.9 | 37.4 | 29.2 | 23.9 | 20.0 | 18.3 | 17.9 |
| 47.5° | 1206.2 | 856.5 | 112.7 | 66.0 | 45.0 | 31.7 | 24.9 | 19.8 | 16.5 | 14.8 | 14.6 |
| 50° | 1357.2 | 925.9 | 94.2 | 59.0 | 37.6 | 27.0 | 20.6 | 16.2 | 13.4 | 11.9 | 11.7 |
| 52.5° | 1557.6 | 1049.7 | 84.1 | 52.2 | 31.1 | 23.0 | 16.9 | 12.8 | 10.5 | 9.3 | 9.1 |
| 55° | 1778.7 | 1199.5 | 77.5 | 44.8 | 25.5 | 19.1 | 13.4 | 10.1 | 8.2 | 7.2 | 6.8 |
| 57.5° | 1994.5 | 1329.3 | 71.2 | 37.6 | 21.2 | 15.6 | 10.7 | 8.0 | 6.4 | 5.4 | 5.3 |
| 60° | 2192.8 | 1448.6 | 64.0 | 30.2 | 17.3 | 12.3 | 8.4 | 6.2 | 5.1 | 4.1 | 4.1 |
| 62.5° | 2405.1 | 1540.9 | 54.1 | 23.5 | 14.2 | 9.3 | 6.8 | 5.6 | 4.1 | 3.5 | 3.3 |
| 65° | 2630.1 | 1609.4 | 42.4 | 18.3 | 11.1 | 7.0 | 5.6 | 5.8 | 3.3 | 2.5 | 2.3 |
| 67.5° | 2796.3 | 1595.8 | 31.3 | 14.4 | 8.6 | 5.4 | 5.4 | 6.2 | 2.9 | 1.9 | 1.8 |
| 69° | 2759.7 | 1485.0 | 26.3 | 12.5 | 7.4 | 4.7 | 5.1 | 6.2 | 2.7 | 1.8 | 1.6 |
| 70° | 2653.6 | 1362.4 | 23.2 | 11.1 | 6.6 | 4.3 | 4.9 | 6.0 | 2.5 | 1.8 | 1.6 |
| 72.5° | 2209.9 | 1026.1 | 18.1 | 8.4 | 5.3 | 3.5 | 4.1 | 5.3 | 2.5 | 1.8 | 1.4 |
| 75° | 1662.3 | 656.8 | 13.8 | 6.0 | 3.9 | 2.7 | 3.1 | 3.9 | 2.5 | 1.6 | 1.4 |
| 77.5° | 904.5 | 236.8 | 9.9 | 4.1 | 2.7 | 2.1 | 2.1 | 2.9 | 2.3 | 1.2 | 0.8 |
| 80° | 232.6 | 59.5 | 6.2 | 2.7 | 2.1 | 1.6 | 1.4 | 1.9 | 1.4 | 0.2 | 0.0 |
| 82.5° | 57.4 | 13.4 | 3.3 | 1.9 | 1.6 | 0.6 | 0.6 | 1.0 | 0.6 | 0.0 | 0.0 |
| 85° | 31.5 | 6.6 | 2.1 | 1.4 | 0.8 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 16.2 | 1.9 | 0.6 | 0.4 | 0.2 | 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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