

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: P385482

Luminaire Tested: **GWC-SA1A-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-735-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4911.2 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

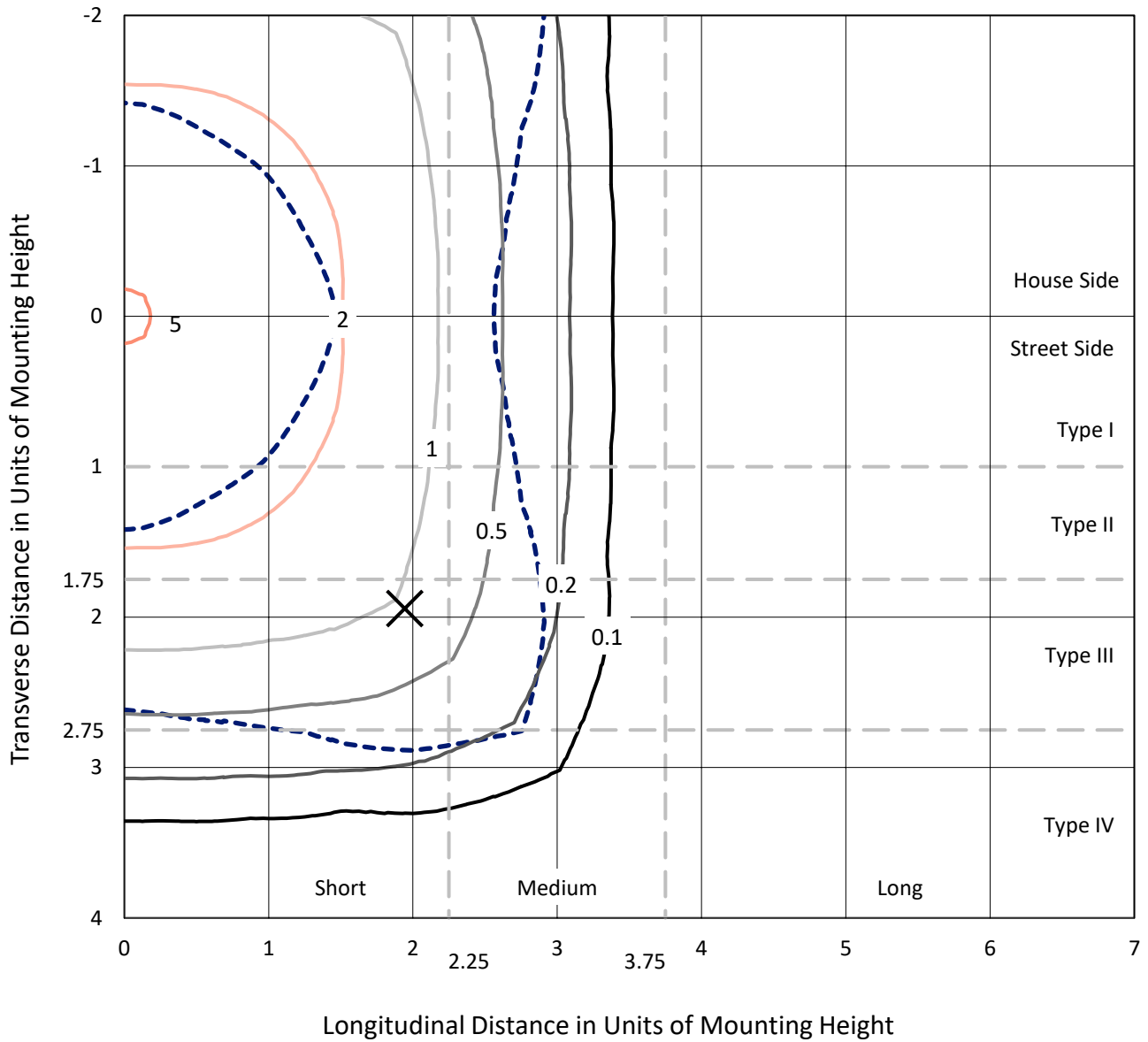
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

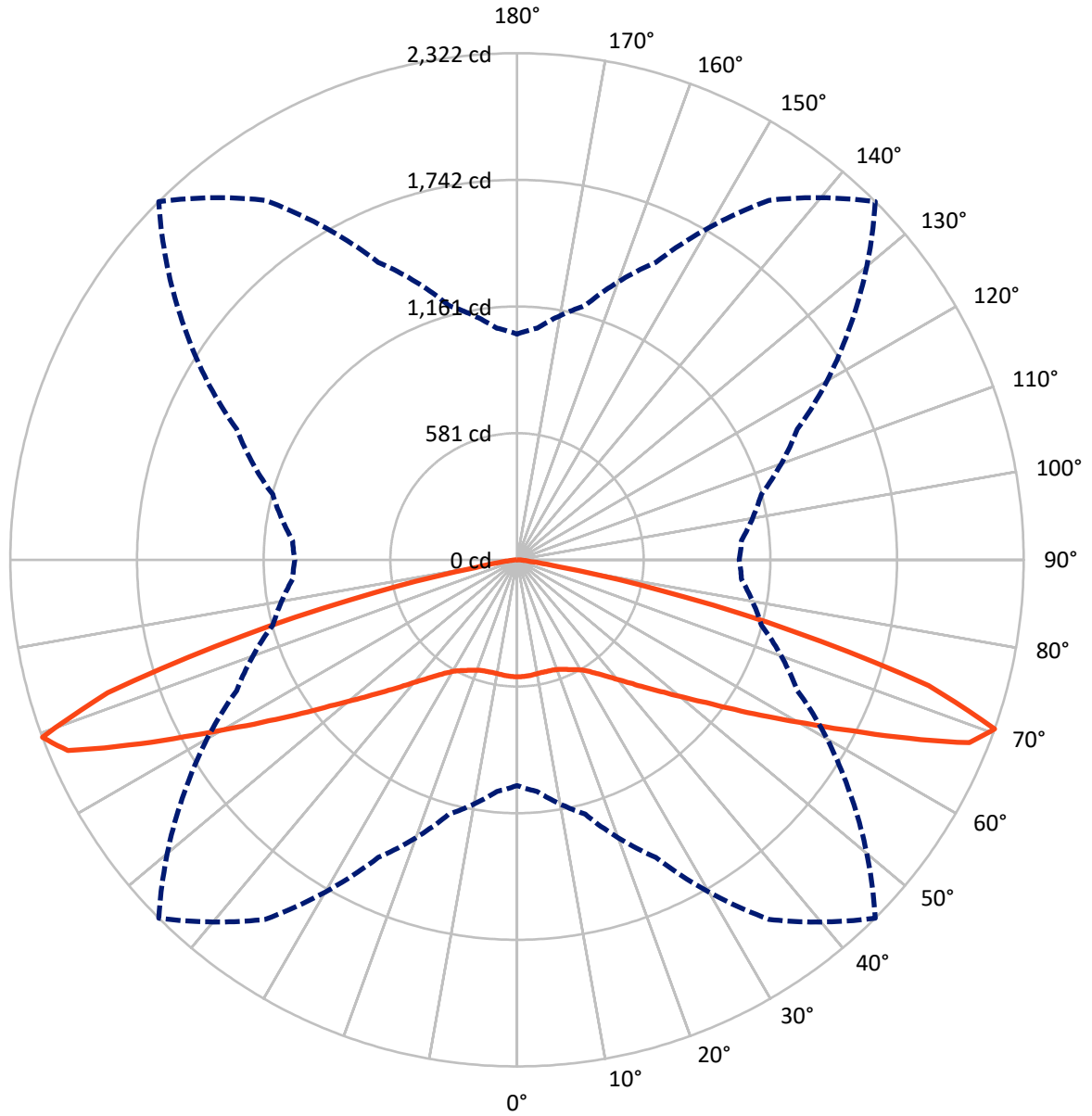
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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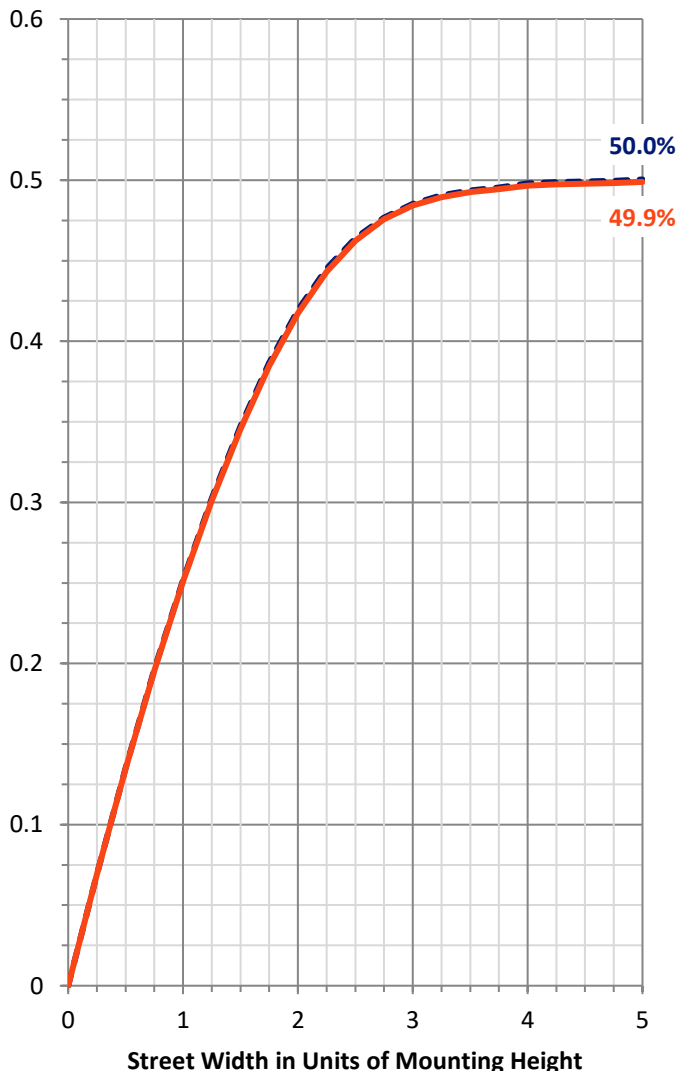
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2455.6 | 0.0 | 2455.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2455.6 | 0.0 | 2455.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4911.2 | 0.0 | 4911.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 50.8 | 1.0 |
| 10°-20° | 149.1 | 3.0 |
| 20°-30° | 253.9 | 5.2 |
| 30°-40° | 402.7 | 8.2 |
| 40°-50° | 655.2 | 13.3 |
| 50°-60° | 1080.4 | 22.0 |
| 60°-70° | 1586.0 | 32.3 |
| 70°-80° | 701.3 | 14.3 |
| 80°-90° | 31.8 | 0.6 |
| 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° | 4911.2 | 100.0 |
| 0°-180° | 4911.2 | 100.0 |

Coefficient of Utilization



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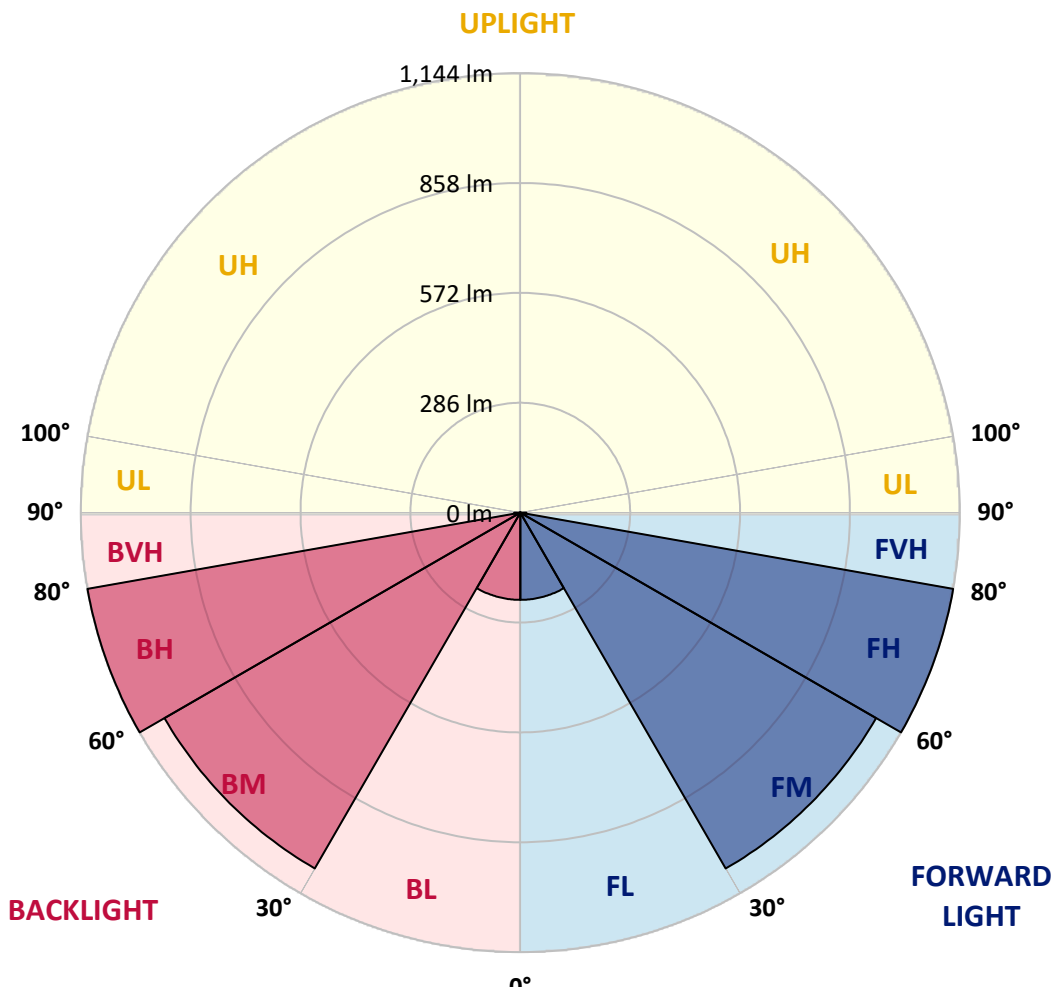
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 226.9 | 4.6 | | | |
| FM (30°-60°) | 1069.1 | 21.8 | | | |
| FH (60°-80°) | 1143.7 | 23.3 | | | G1/1800 |
| FVH (80°-90°) | 15.9 | 0.3 | | | G1/100 |
| BL (0°-30°) | 226.9 | 4.6 | B1/500 | | |
| BM (30°-60°) | 1069.1 | 21.8 | B2/2500 | | |
| BH (60°-80°) | 1143.7 | 23.3 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 15.9 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 | 536.4 |
| 2.5° | 535.5 | 535.1 | 536.2 | 536.0 | 535.1 | 535.3 | 535.3 | 535.7 | 535.7 | 535.4 | 535.4 |
| 5° | 533.6 | 533.3 | 534.6 | 534.6 | 533.6 | 534.0 | 534.2 | 534.7 | 534.6 | 534.2 | 534.1 |
| 7.5° | 531.1 | 531.0 | 532.4 | 532.4 | 531.7 | 532.0 | 531.7 | 531.8 | 531.5 | 531.1 | 530.7 |
| 10° | 527.1 | 527.5 | 528.6 | 528.9 | 528.9 | 529.1 | 528.7 | 527.9 | 527.5 | 526.9 | 526.4 |
| 12.5° | 523.3 | 523.2 | 524.8 | 525.7 | 526.9 | 528.4 | 527.5 | 525.1 | 524.2 | 523.2 | 522.9 |
| 15° | 520.9 | 521.1 | 522.7 | 524.2 | 526.4 | 529.5 | 528.4 | 524.8 | 522.9 | 521.7 | 521.5 |
| 17.5° | 520.4 | 520.8 | 522.9 | 525.5 | 527.9 | 531.3 | 530.7 | 527.1 | 523.9 | 521.7 | 521.3 |
| 20° | 521.6 | 521.7 | 525.0 | 528.7 | 532.9 | 536.2 | 534.7 | 530.9 | 526.4 | 523.2 | 522.4 |
| 22.5° | 523.7 | 524.4 | 528.4 | 534.2 | 540.8 | 545.1 | 543.3 | 536.7 | 529.9 | 525.8 | 524.7 |
| 25° | 530.4 | 530.6 | 536.0 | 544.0 | 551.8 | 556.9 | 554.7 | 545.3 | 536.6 | 532.0 | 530.6 |
| 27.5° | 544.2 | 544.7 | 550.2 | 559.4 | 566.1 | 569.4 | 568.1 | 560.4 | 552.9 | 548.0 | 548.6 |
| 30° | 564.2 | 564.9 | 571.0 | 581.2 | 585.3 | 586.1 | 585.8 | 582.2 | 575.4 | 568.9 | 569.4 |
| 32.5° | 588.5 | 588.9 | 597.2 | 606.5 | 609.7 | 610.3 | 609.7 | 606.5 | 598.3 | 589.6 | 590.0 |
| 35° | 619.9 | 620.9 | 628.8 | 637.8 | 640.4 | 641.7 | 640.6 | 636.3 | 627.9 | 619.2 | 619.0 |
| 37.5° | 658.6 | 658.8 | 667.1 | 676.4 | 679.6 | 679.9 | 678.6 | 675.8 | 665.3 | 657.5 | 657.0 |
| 40° | 703.4 | 704.1 | 713.8 | 723.8 | 725.1 | 723.6 | 725.4 | 723.8 | 712.9 | 704.0 | 705.4 |
| 42.5° | 758.1 | 759.5 | 771.2 | 781.0 | 777.3 | 776.4 | 777.5 | 778.1 | 769.3 | 758.4 | 757.4 |
| 45° | 821.6 | 822.9 | 837.6 | 845.4 | 842.9 | 837.6 | 839.8 | 843.8 | 831.6 | 818.0 | 819.3 |
| 47.5° | 894.1 | 897.4 | 913.0 | 920.3 | 914.3 | 907.0 | 911.3 | 917.2 | 902.9 | 886.1 | 885.4 |
| 50° | 974.7 | 978.8 | 999.6 | 1009.8 | 1003.8 | 990.3 | 997.6 | 1001.6 | 980.9 | 959.3 | 957.5 |
| 52.5° | 1060.8 | 1064.8 | 1090.9 | 1112.1 | 1108.2 | 1087.3 | 1097.5 | 1093.4 | 1069.7 | 1040.6 | 1038.3 |
| 55° | 1158.1 | 1159.7 | 1188.0 | 1222.2 | 1226.0 | 1210.6 | 1209.9 | 1203.3 | 1168.1 | 1134.5 | 1132.9 |
| 57.5° | 1258.2 | 1259.4 | 1295.9 | 1336.2 | 1354.6 | 1354.6 | 1336.4 | 1322.2 | 1275.6 | 1236.6 | 1232.5 |
| 60° | 1366.3 | 1370.4 | 1410.8 | 1465.6 | 1508.5 | 1521.2 | 1489.0 | 1450.5 | 1399.8 | 1352.2 | 1347.5 |
| 62.5° | 1462.5 | 1467.2 | 1529.1 | 1610.8 | 1679.6 | 1725.9 | 1647.1 | 1584.4 | 1492.1 | 1415.7 | 1406.7 |
| 65° | 1474.7 | 1487.3 | 1577.6 | 1725.3 | 1879.5 | 1971.8 | 1820.9 | 1666.3 | 1498.1 | 1392.0 | 1382.9 |
| 67.5° | 1346.8 | 1368.2 | 1490.2 | 1720.1 | 2038.9 | 2236.7 | 1932.0 | 1619.5 | 1390.2 | 1272.9 | 1262.7 |
| 70° | 1034.8 | 1066.1 | 1206.7 | 1504.6 | 2011.4 | 2322.0 | 1862.3 | 1417.8 | 1159.0 | 1032.8 | 1018.6 |
| 72.5° | 567.8 | 580.5 | 707.1 | 1030.3 | 1612.6 | 1973.2 | 1553.4 | 1048.4 | 768.6 | 625.4 | 601.7 |
| 75° | 180.1 | 184.7 | 249.0 | 421.6 | 912.2 | 1307.0 | 986.7 | 514.6 | 283.3 | 208.8 | 206.4 |
| 77.5° | 79.9 | 80.4 | 90.1 | 123.1 | 314.2 | 662.2 | 377.4 | 140.1 | 96.6 | 84.4 | 87.1 |
| 80° | 50.5 | 50.5 | 55.7 | 61.0 | 85.5 | 192.3 | 102.1 | 66.6 | 56.9 | 52.8 | 53.9 |
| 82.5° | 24.2 | 26.8 | 36.3 | 39.0 | 47.0 | 64.7 | 52.3 | 43.6 | 38.0 | 28.3 | 26.3 |
| 85° | 16.0 | 13.3 | 22.9 | 25.8 | 27.3 | 31.0 | 30.4 | 28.7 | 24.9 | 14.2 | 15.8 |
| 87.5° | 7.1 | 6.9 | 11.8 | 10.9 | 10.2 | 7.8 | 11.7 | 14.5 | 14.0 | 7.0 | 7.0 |
| 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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1121 Highway 74 South
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