

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: P385705

Luminaire Tested: **GWC-SA1B-730-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-730-U-T4W
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519 lumens
Efficiency: N/A
Efficacy: 125.4 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

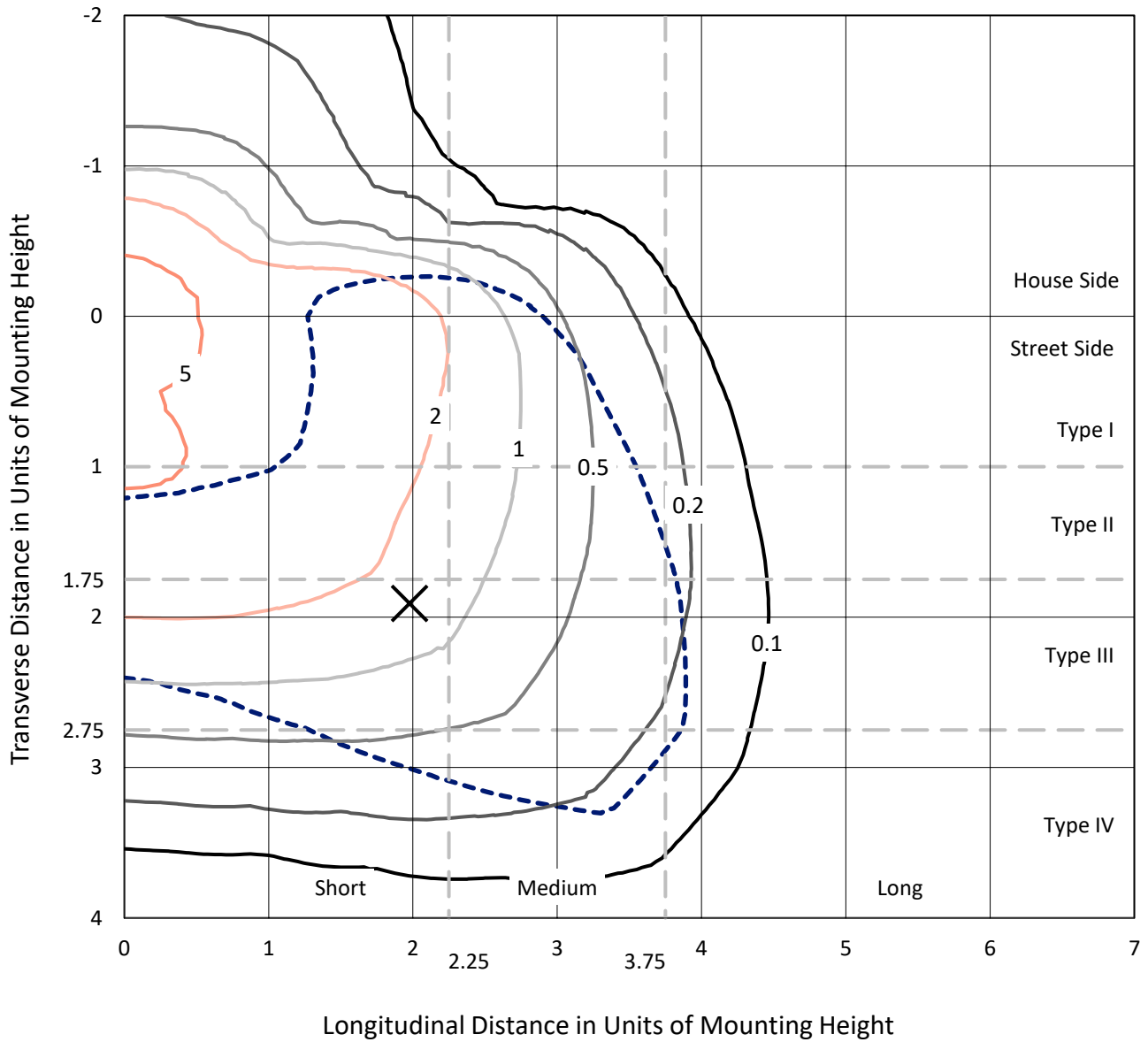
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

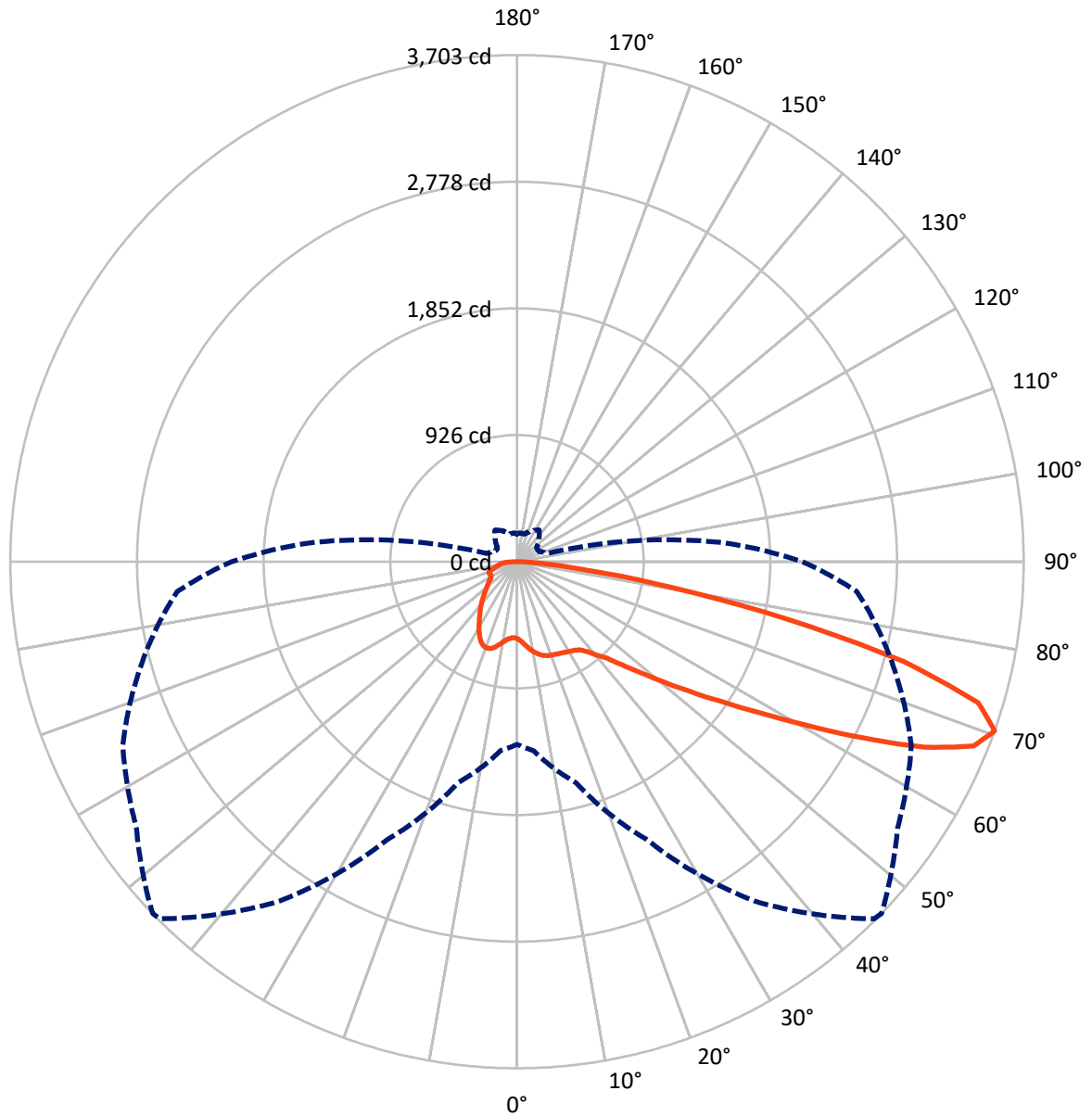
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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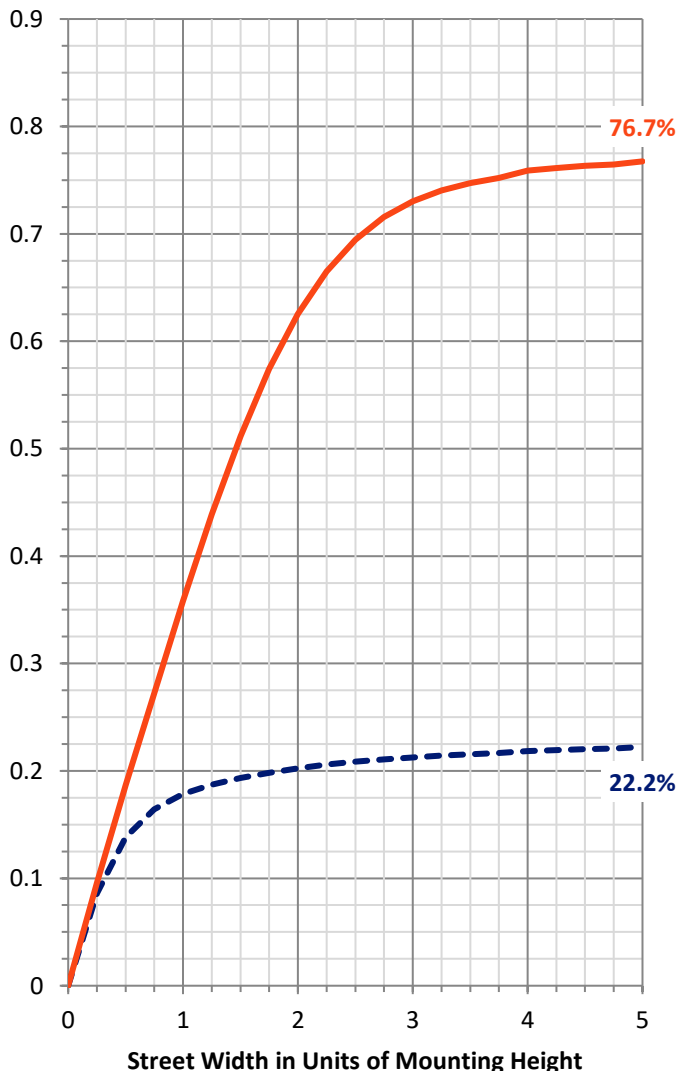
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1264.9 | 0.0 | 1264.9 |
| | % Fixture | 22.9 | 0.0 | 22.9 |
| Street Side | Lumens | 4254.1 | 0.0 | 4254.1 |
| | % Fixture | 77.1 | 0.0 | 77.1 |
| Total | Lumens | 5519.0 | 0.0 | 5519.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.3 | 1.0 |
| 10°-20° | 191.0 | 3.5 |
| 20°-30° | 318.4 | 5.8 |
| 30°-40° | 451.9 | 8.2 |
| 40°-50° | 664.7 | 12.0 |
| 50°-60° | 1125.6 | 20.4 |
| 60°-70° | 1597.8 | 29.0 |
| 70°-80° | 970.7 | 17.6 |
| 80°-90° | 141.7 | 2.6 |
| 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° | 5519.0 | 100.0 |
| 0°-180° | 5519.0 | 100.0 |

Coefficient of Utilization



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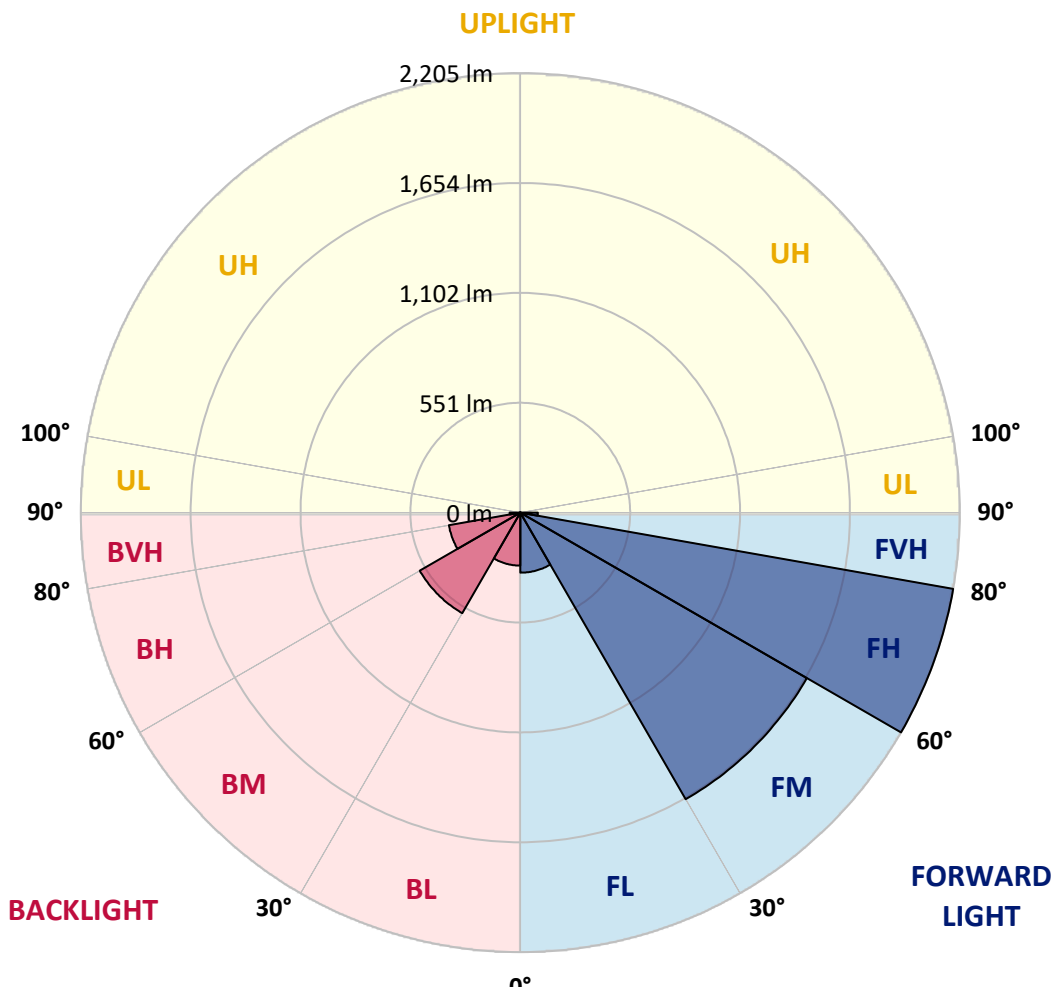
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 301.1 | 5.5 | | | |
| FM (30°-60°) | 1659.9 | 30.1 | | | |
| FH (60°-80°) | 2204.8 | 39.9 | | | G2/5000 |
| FVH (80°-90°) | 88.2 | 1.6 | | | G1/100 |
| BL (0°-30°) | 265.6 | 4.8 | B1/500 | | |
| BM (30°-60°) | 582.3 | 10.6 | B1/1000 | | |
| BH (60°-80°) | 363.7 | 6.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 53.4 | 1.0 | | | G1/100 |
| 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° | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 |
| 2.5° | 590.4 | 590.8 | 591.6 | 589.7 | 584.4 | 582.9 | 582.3 | 576.8 | 573.2 | 567.9 | 563.4 |
| 5° | 637.6 | 638.0 | 636.9 | 631.6 | 619.9 | 611.2 | 610.4 | 598.0 | 586.6 | 574.6 | 565.5 |
| 7.5° | 686.9 | 687.5 | 683.9 | 673.9 | 657.5 | 642.4 | 641.4 | 624.4 | 607.2 | 588.9 | 575.3 |
| 10° | 730.6 | 728.3 | 722.4 | 708.5 | 689.0 | 670.5 | 669.7 | 652.0 | 632.2 | 610.1 | 591.9 |
| 12.5° | 759.7 | 757.8 | 750.2 | 733.2 | 711.9 | 694.9 | 693.4 | 676.9 | 657.7 | 633.5 | 611.8 |
| 15° | 775.7 | 777.0 | 766.8 | 747.6 | 726.8 | 712.4 | 711.1 | 699.4 | 682.2 | 657.8 | 632.9 |
| 17.5° | 777.8 | 778.9 | 769.1 | 750.0 | 733.0 | 723.2 | 722.6 | 714.9 | 702.4 | 679.0 | 652.9 |
| 20° | 765.7 | 766.5 | 758.3 | 742.7 | 731.5 | 728.5 | 728.3 | 724.9 | 715.6 | 694.9 | 669.6 |
| 22.5° | 748.1 | 748.7 | 742.8 | 731.5 | 727.7 | 732.5 | 733.8 | 732.5 | 725.8 | 706.4 | 682.6 |
| 25° | 743.8 | 743.4 | 737.4 | 725.8 | 729.1 | 739.1 | 740.8 | 741.3 | 736.8 | 719.8 | 699.2 |
| 27.5° | 764.8 | 763.4 | 751.9 | 733.4 | 735.5 | 747.6 | 749.8 | 755.3 | 752.5 | 737.6 | 718.1 |
| 30° | 825.4 | 823.1 | 799.5 | 762.1 | 751.9 | 758.1 | 761.0 | 769.7 | 770.2 | 757.8 | 743.2 |
| 32.5° | 927.7 | 924.9 | 882.6 | 815.7 | 779.7 | 768.9 | 771.6 | 784.6 | 791.6 | 781.9 | 766.3 |
| 35° | 1057.1 | 1053.9 | 998.4 | 907.0 | 826.1 | 789.5 | 791.4 | 801.8 | 815.7 | 802.1 | 781.4 |
| 37.5° | 1192.0 | 1184.2 | 1130.8 | 1014.3 | 900.0 | 833.5 | 833.5 | 834.8 | 841.4 | 813.1 | 799.1 |
| 40° | 1326.1 | 1318.3 | 1270.0 | 1140.4 | 995.6 | 902.8 | 898.5 | 869.2 | 863.9 | 839.5 | 834.8 |
| 42.5° | 1450.7 | 1448.5 | 1420.0 | 1283.0 | 1107.7 | 971.0 | 965.0 | 915.3 | 916.4 | 901.3 | 901.5 |
| 45° | 1583.3 | 1583.3 | 1560.1 | 1426.9 | 1238.4 | 1080.5 | 1074.5 | 1001.4 | 1012.7 | 1005.8 | 1022.6 |
| 47.5° | 1691.6 | 1695.0 | 1691.7 | 1576.9 | 1390.5 | 1219.7 | 1208.8 | 1120.8 | 1152.5 | 1176.5 | 1225.4 |
| 50° | 1802.0 | 1807.3 | 1807.9 | 1741.4 | 1574.3 | 1385.2 | 1372.7 | 1279.2 | 1350.1 | 1418.8 | 1515.0 |
| 52.5° | 1962.4 | 1974.3 | 1926.9 | 1905.6 | 1799.4 | 1581.6 | 1569.4 | 1483.0 | 1601.3 | 1697.8 | 1863.4 |
| 55° | 2111.0 | 2100.7 | 2066.8 | 2080.1 | 2040.4 | 1805.3 | 1796.0 | 1720.3 | 1881.2 | 2006.6 | 2221.7 |
| 57.5° | 2191.5 | 2190.8 | 2224.7 | 2281.4 | 2300.3 | 2081.0 | 2073.3 | 1999.6 | 2196.8 | 2291.0 | 2558.1 |
| 60° | 2285.9 | 2287.3 | 2371.5 | 2500.1 | 2577.9 | 2424.4 | 2421.0 | 2365.1 | 2503.3 | 2556.6 | 2822.0 |
| 62.5° | 2299.2 | 2323.0 | 2468.0 | 2689.4 | 2837.8 | 2825.6 | 2833.1 | 2694.3 | 2777.6 | 2768.5 | 3019.0 |
| 65° | 2147.1 | 2178.5 | 2441.0 | 2746.6 | 3096.2 | 3264.3 | 3271.3 | 3025.4 | 2993.8 | 2949.6 | 3089.4 |
| 67.5° | 1835.5 | 1881.9 | 2167.1 | 2622.1 | 3181.4 | 3588.6 | 3598.4 | 3282.1 | 3173.3 | 3011.0 | 2919.8 |
| 70° | 1335.7 | 1387.3 | 1674.4 | 2239.5 | 3029.5 | 3692.3 | 3703.4 | 3395.6 | 3180.1 | 2836.3 | 2492.6 |
| 72.5° | 806.9 | 847.3 | 1083.9 | 1648.7 | 2557.0 | 3503.4 | 3523.3 | 3251.7 | 2903.4 | 2402.5 | 1840.6 |
| 75° | 354.3 | 380.8 | 524.1 | 950.0 | 1830.6 | 2898.7 | 2923.4 | 2783.2 | 2359.0 | 1746.0 | 1087.9 |
| 77.5° | 150.9 | 158.5 | 214.9 | 412.7 | 1034.8 | 1980.7 | 2014.7 | 2033.6 | 1600.5 | 950.0 | 459.7 |
| 80° | 94.1 | 97.1 | 121.6 | 186.8 | 484.3 | 1112.5 | 1149.1 | 1196.5 | 794.8 | 349.2 | 160.5 |
| 82.5° | 57.2 | 60.6 | 80.8 | 112.9 | 252.1 | 504.3 | 521.9 | 555.3 | 308.4 | 150.9 | 83.1 |
| 85° | 34.4 | 36.8 | 49.5 | 71.4 | 143.5 | 198.3 | 198.1 | 219.1 | 145.2 | 97.1 | 43.8 |
| 87.5° | 16.4 | 18.3 | 26.4 | 37.0 | 72.3 | 74.4 | 69.7 | 78.9 | 88.2 | 63.7 | 22.1 |
| 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° | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 | 562.3 |
| 2.5° | 561.9 | 561.1 | 558.7 | 556.8 | 556.4 | 555.3 | 554.3 | 554.9 | 555.7 | 555.9 | 555.9 |
| 5° | 561.7 | 559.6 | 556.4 | 555.1 | 556.8 | 559.1 | 561.9 | 565.7 | 567.9 | 569.6 | 570.8 |
| 7.5° | 570.8 | 566.8 | 563.2 | 562.5 | 565.9 | 571.9 | 578.3 | 586.3 | 591.7 | 595.5 | 596.3 |
| 10° | 585.9 | 581.0 | 577.4 | 578.1 | 584.2 | 592.9 | 601.9 | 612.1 | 620.5 | 625.6 | 625.9 |
| 12.5° | 603.3 | 598.5 | 595.1 | 598.4 | 608.4 | 618.9 | 628.4 | 637.3 | 644.8 | 649.9 | 649.9 |
| 15° | 623.3 | 619.9 | 615.9 | 623.3 | 636.9 | 646.3 | 650.3 | 654.6 | 658.8 | 662.6 | 661.8 |
| 17.5° | 642.5 | 639.3 | 637.3 | 645.9 | 660.1 | 664.5 | 661.8 | 658.6 | 658.6 | 660.7 | 661.1 |
| 20° | 659.2 | 656.3 | 657.7 | 666.2 | 673.5 | 669.0 | 659.2 | 649.0 | 644.8 | 645.9 | 647.1 |
| 22.5° | 673.7 | 672.4 | 676.4 | 680.3 | 675.0 | 659.2 | 641.0 | 627.3 | 622.2 | 621.8 | 622.2 |
| 25° | 690.7 | 690.5 | 695.4 | 688.3 | 664.8 | 635.6 | 611.2 | 597.8 | 595.0 | 597.2 | 601.0 |
| 27.5° | 711.9 | 713.9 | 716.4 | 690.1 | 644.1 | 599.9 | 575.1 | 565.9 | 568.7 | 574.2 | 577.8 |
| 30° | 738.9 | 744.5 | 739.3 | 685.4 | 614.2 | 559.1 | 535.5 | 532.8 | 540.6 | 548.3 | 552.1 |
| 32.5° | 765.1 | 774.0 | 761.2 | 673.1 | 575.7 | 515.8 | 497.5 | 496.7 | 506.2 | 513.7 | 519.0 |
| 35° | 786.3 | 803.8 | 777.6 | 648.8 | 531.1 | 476.0 | 462.6 | 457.5 | 460.9 | 469.7 | 475.8 |
| 37.5° | 813.9 | 843.1 | 788.9 | 611.6 | 482.8 | 443.1 | 427.4 | 415.7 | 412.7 | 416.3 | 419.3 |
| 40° | 864.3 | 903.0 | 794.2 | 559.6 | 435.5 | 410.2 | 394.4 | 377.2 | 365.3 | 356.6 | 356.8 |
| 42.5° | 946.6 | 981.0 | 790.8 | 496.5 | 391.9 | 378.1 | 360.2 | 340.4 | 321.1 | 301.4 | 299.9 |
| 45° | 1080.4 | 1097.0 | 780.6 | 429.7 | 353.6 | 344.5 | 327.7 | 307.9 | 282.2 | 259.9 | 257.8 |
| 47.5° | 1294.4 | 1257.5 | 764.8 | 371.3 | 319.8 | 316.0 | 300.5 | 277.6 | 250.4 | 232.5 | 231.0 |
| 50° | 1586.2 | 1489.3 | 757.0 | 324.9 | 289.9 | 291.1 | 278.4 | 254.2 | 228.5 | 215.3 | 213.8 |
| 52.5° | 1935.2 | 1759.2 | 771.9 | 289.0 | 265.9 | 269.9 | 260.5 | 237.8 | 216.3 | 205.9 | 204.4 |
| 55° | 2297.3 | 2038.7 | 788.0 | 262.9 | 243.3 | 251.0 | 247.8 | 229.1 | 209.7 | 200.0 | 198.7 |
| 57.5° | 2607.2 | 2247.4 | 755.9 | 241.8 | 223.1 | 235.1 | 238.0 | 223.6 | 206.3 | 197.6 | 196.1 |
| 60° | 2802.3 | 2331.5 | 671.6 | 221.9 | 207.0 | 222.5 | 232.3 | 222.1 | 207.6 | 206.8 | 205.7 |
| 62.5° | 2894.9 | 2324.1 | 545.3 | 206.3 | 197.0 | 217.0 | 236.5 | 230.6 | 222.7 | 229.5 | 230.0 |
| 65° | 2853.3 | 2213.0 | 406.1 | 195.9 | 189.8 | 219.1 | 248.9 | 246.7 | 227.0 | 233.8 | 234.8 |
| 67.5° | 2579.8 | 1948.0 | 300.7 | 186.8 | 181.9 | 224.9 | 271.6 | 252.0 | 218.5 | 223.4 | 220.4 |
| 70° | 2085.2 | 1544.4 | 231.9 | 176.6 | 173.8 | 224.2 | 281.8 | 248.7 | 209.3 | 210.4 | 202.3 |
| 72.5° | 1437.9 | 1053.2 | 188.7 | 167.2 | 162.1 | 204.4 | 274.6 | 240.8 | 201.5 | 192.8 | 182.1 |
| 75° | 781.9 | 565.3 | 160.4 | 157.3 | 141.5 | 179.4 | 261.4 | 235.1 | 194.5 | 183.0 | 177.0 |
| 77.5° | 307.7 | 234.6 | 139.2 | 143.9 | 123.7 | 158.5 | 246.7 | 224.4 | 184.9 | 169.8 | 166.8 |
| 80° | 125.6 | 119.7 | 115.4 | 124.5 | 106.3 | 138.6 | 228.9 | 211.7 | 173.4 | 157.5 | 151.5 |
| 82.5° | 71.2 | 74.4 | 89.7 | 98.2 | 86.3 | 127.7 | 220.4 | 201.5 | 159.6 | 141.1 | 133.9 |
| 85° | 36.5 | 43.6 | 62.5 | 70.5 | 63.5 | 108.6 | 203.0 | 176.4 | 128.1 | 108.0 | 108.6 |
| 87.5° | 17.6 | 24.4 | 39.5 | 44.2 | 41.2 | 78.6 | 151.7 | 127.9 | 99.7 | 78.9 | 76.5 |
| 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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