

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: P299477

Luminaire Tested: **GLNA-AF-04-LED-E1-SLR-7050-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P299477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194679)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLNA-AF-04-LED-E1-SLR-7050-600
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill
Light Eliminator Right OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13855.2 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 129
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: 25 FT

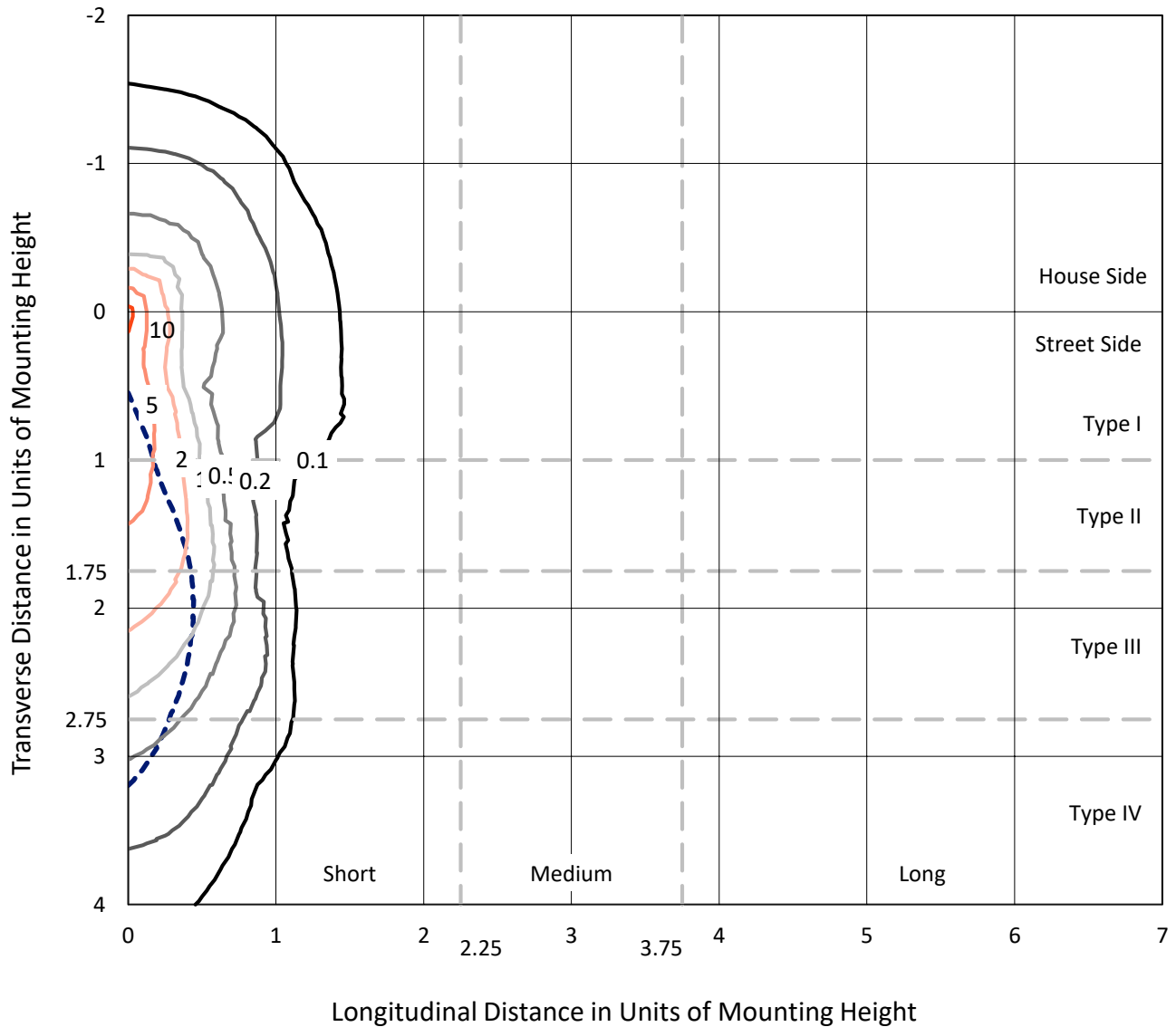


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Iso-Footcandle Lines of Horizontal Illumination

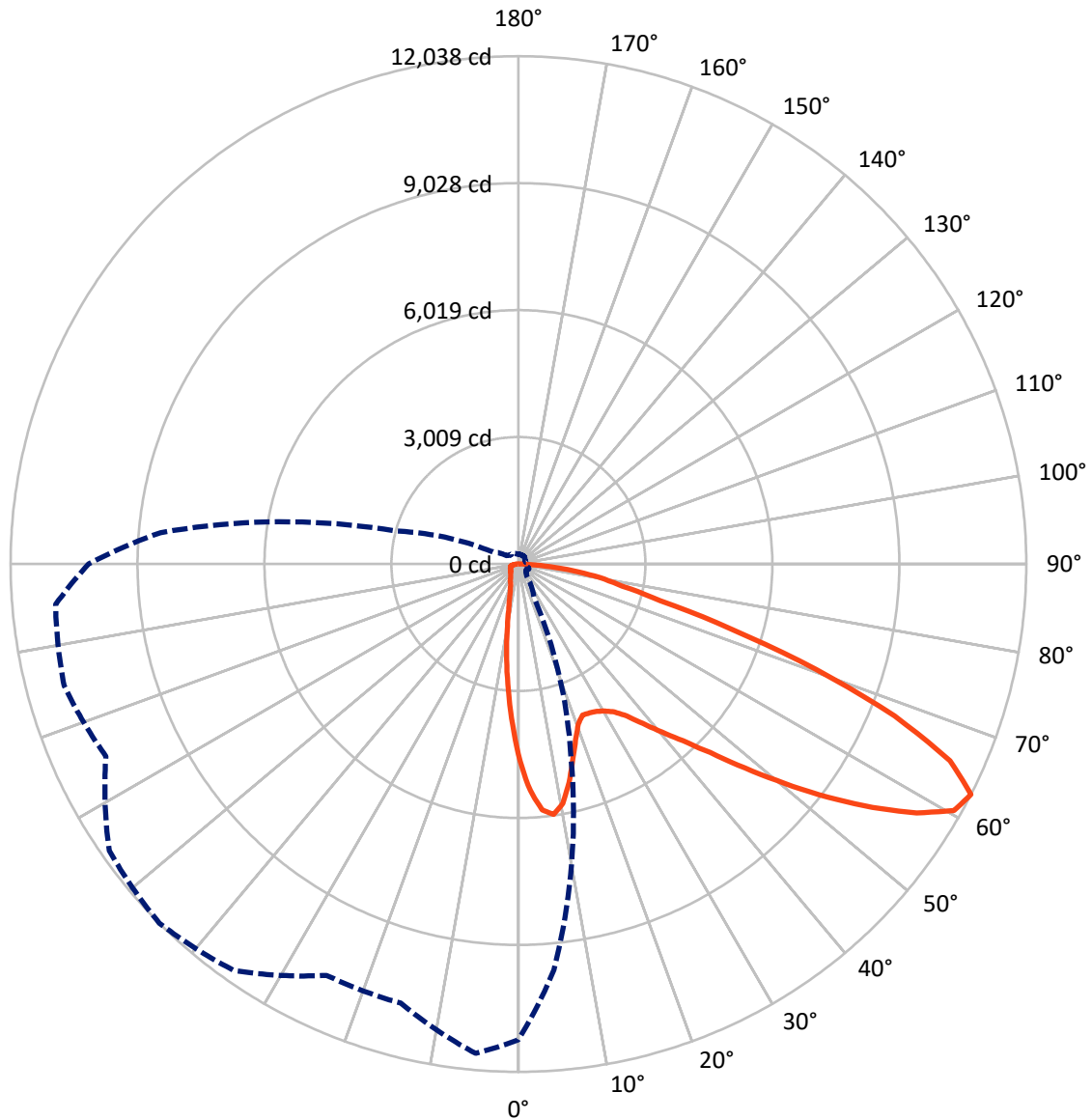
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2292.9 | 0.0 | 2292.9 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 11562.4 | 0.0 | 11562.4 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 13855.2 | 0.0 | 13855.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 340.8 | 2.5 |
| 10°-20° | 624.9 | 4.5 |
| 20°-30° | 911.0 | 6.6 |
| 30°-40° | 1403.1 | 10.1 |
| 40°-50° | 2065.1 | 14.9 |
| 50°-60° | 3029.0 | 21.9 |
| 60°-70° | 3386.0 | 24.4 |
| 70°-80° | 1657.7 | 12.0 |
| 80°-90° | 437.7 | 3.2 |
| 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° | 13855.2 | 100.0 |
| 0°-180° | 13855.2 | 100.0 |

Coefficient of Utilization



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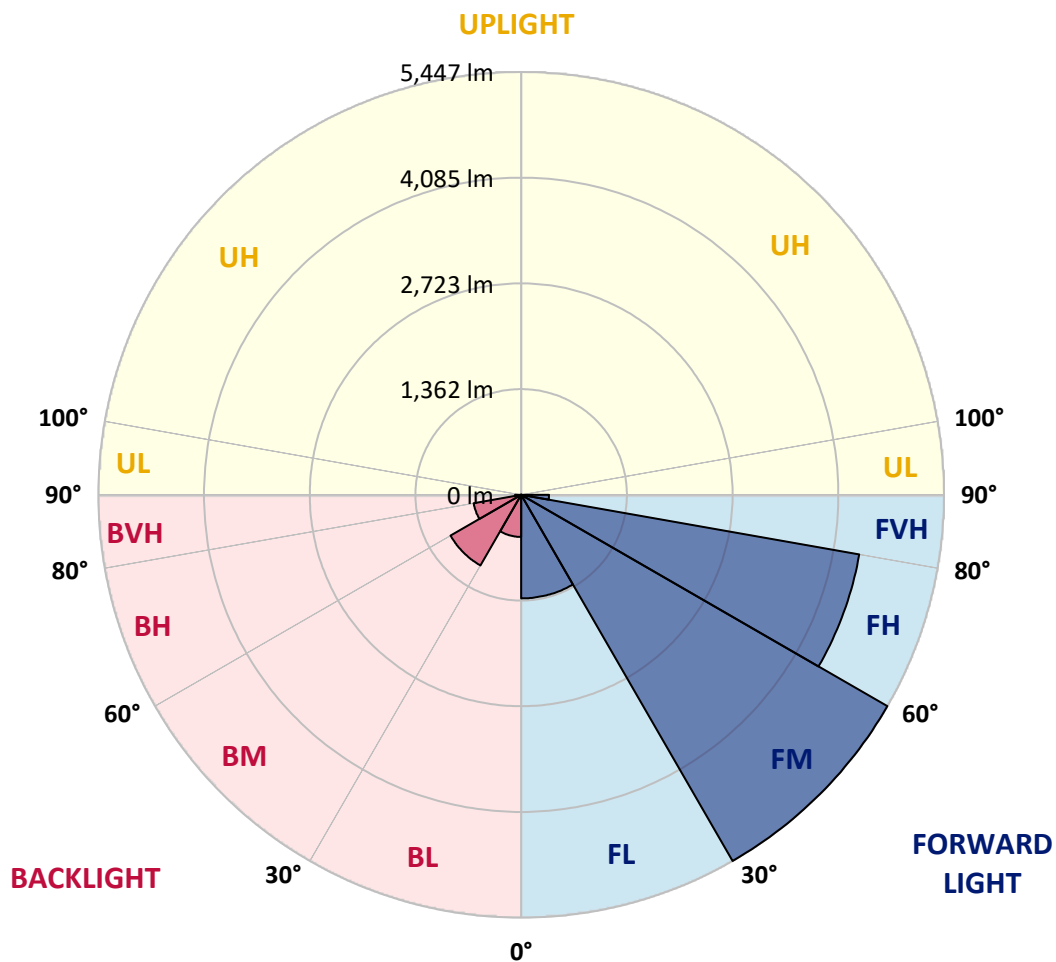
CATALOG NUMBER: GLNA-AF-04-LED-E1-SLR-7050-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1334.2 | 9.6 | | | |
| FM | (30°-60°) | 5446.6 | 39.3 | | | |
| FH | (60°-80°) | 4422.1 | 31.9 | | | G2/5000 |
| FVH | (80°-90°) | 359.4 | 2.6 | | | G3/500 |
| BL | (0°-30°) | 542.4 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1050.6 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 621.6 | 4.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 78.2 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 |
| 2.5° | 4863.7 | 4764.8 | 4600.2 | 4428.9 | 4324.7 | 4202.7 | 4107.5 | 4023.8 | 3856.1 | 3823.4 | 3853.1 |
| 5° | 4573.7 | 4374.9 | 4064.8 | 3752.6 | 3544.6 | 3321.4 | 3147.8 | 3008.5 | 2795.9 | 2758.6 | 2803.6 |
| 7.5° | 4108.4 | 3870.7 | 3460.9 | 3062.5 | 2768.5 | 2489.7 | 2302.5 | 2153.1 | 1987.1 | 1915.6 | 1920.0 |
| 10° | 3706.9 | 3438.8 | 2954.4 | 2521.1 | 2280.4 | 2092.2 | 1934.5 | 1781.4 | 1613.1 | 1502.7 | 1472.2 |
| 12.5° | 3482.1 | 3173.9 | 2615.4 | 2228.5 | 2005.3 | 1807.5 | 1637.5 | 1473.8 | 1294.0 | 1181.2 | 1149.4 |
| 15° | 3443.4 | 3108.1 | 2488.4 | 2041.3 | 1761.6 | 1511.2 | 1310.8 | 1128.0 | 942.8 | 851.5 | 832.4 |
| 17.5° | 3611.7 | 3225.5 | 2447.1 | 1874.3 | 1532.4 | 1223.2 | 977.2 | 773.1 | 622.3 | 576.7 | 572.7 |
| 20° | 3934.5 | 3451.0 | 2441.8 | 1717.6 | 1306.2 | 943.7 | 680.9 | 532.4 | 466.2 | 453.1 | 454.0 |
| 22.5° | 4387.8 | 3800.6 | 2507.3 | 1599.5 | 1098.2 | 703.7 | 511.9 | 445.5 | 419.6 | 407.4 | 407.4 |
| 25° | 4974.2 | 4282.0 | 2658.1 | 1513.5 | 917.7 | 562.1 | 451.7 | 412.0 | 387.6 | 379.3 | 380.9 |
| 27.5° | 5542.6 | 4750.3 | 2833.3 | 1445.7 | 799.6 | 510.3 | 427.9 | 392.2 | 371.0 | 362.5 | 366.4 |
| 30° | 5985.7 | 5166.3 | 2979.5 | 1353.5 | 739.5 | 495.7 | 436.5 | 399.8 | 369.4 | 356.5 | 357.2 |
| 32.5° | 6352.8 | 5530.3 | 3102.2 | 1287.1 | 686.2 | 424.9 | 376.3 | 360.2 | 356.5 | 341.3 | 333.6 |
| 35° | 6822.0 | 5927.2 | 3184.5 | 1288.7 | 661.1 | 379.3 | 335.0 | 306.9 | 286.4 | 268.9 | 268.9 |
| 37.5° | 7371.9 | 6382.5 | 3272.1 | 1306.2 | 652.1 | 352.5 | 320.7 | 292.4 | 273.5 | 256.6 | 253.6 |
| 40° | 7915.6 | 6828.9 | 3352.1 | 1323.0 | 646.5 | 336.6 | 309.2 | 283.4 | 265.9 | 249.0 | 244.4 |
| 42.5° | 8378.2 | 7196.0 | 3423.6 | 1331.3 | 628.3 | 335.0 | 300.9 | 277.2 | 260.5 | 242.1 | 237.7 |
| 45° | 8720.1 | 7503.6 | 3500.6 | 1344.3 | 610.1 | 341.3 | 300.9 | 276.5 | 255.9 | 238.4 | 233.8 |
| 47.5° | 9025.4 | 7864.7 | 3629.2 | 1344.3 | 588.0 | 329.7 | 310.8 | 277.2 | 255.2 | 236.8 | 233.1 |
| 50° | 9434.4 | 8359.7 | 3873.0 | 1313.1 | 556.8 | 317.5 | 327.4 | 274.2 | 248.3 | 233.8 | 229.2 |
| 52.5° | 9997.9 | 8994.3 | 4259.9 | 1258.9 | 508.9 | 294.0 | 325.1 | 272.8 | 241.4 | 226.2 | 220.9 |
| 55° | 10664.5 | 9673.5 | 4681.8 | 1195.8 | 437.2 | 277.2 | 313.8 | 268.9 | 233.8 | 217.0 | 211.7 |
| 57.5° | 11184.7 | 10141.1 | 4978.8 | 1098.2 | 374.7 | 268.2 | 278.1 | 265.2 | 224.6 | 207.1 | 202.7 |
| 60° | 11391.8 | 10122.9 | 5060.4 | 968.0 | 344.2 | 260.5 | 243.0 | 297.0 | 217.0 | 199.4 | 194.1 |
| 62.5° | 11279.9 | 9655.3 | 4831.9 | 876.6 | 337.3 | 250.6 | 227.8 | 274.8 | 211.0 | 194.1 | 186.5 |
| 65° | 10762.8 | 8826.6 | 4226.4 | 852.2 | 357.2 | 240.7 | 217.9 | 215.6 | 202.7 | 186.5 | 178.9 |
| 67.5° | 9636.2 | 7588.2 | 3383.9 | 854.5 | 382.3 | 230.8 | 208.0 | 197.4 | 191.1 | 178.2 | 171.3 |
| 70° | 7848.8 | 5999.6 | 2522.5 | 860.7 | 395.2 | 219.3 | 197.4 | 185.8 | 178.9 | 166.0 | 161.4 |
| 72.5° | 5771.1 | 4623.9 | 1832.6 | 821.1 | 397.5 | 206.4 | 182.8 | 172.9 | 166.0 | 152.4 | 148.5 |
| 75° | 3948.4 | 3537.0 | 1271.2 | 680.2 | 346.6 | 188.1 | 166.7 | 157.7 | 153.1 | 136.3 | 134.0 |
| 77.5° | 2884.3 | 2655.1 | 813.5 | 505.0 | 267.2 | 165.3 | 147.1 | 140.2 | 137.2 | 118.7 | 115.7 |
| 80° | 2314.7 | 2100.5 | 508.9 | 345.9 | 195.8 | 138.6 | 123.4 | 119.7 | 116.4 | 98.2 | 95.9 |
| 82.5° | 1605.5 | 1406.7 | 326.7 | 224.6 | 147.1 | 107.4 | 97.5 | 95.9 | 91.3 | 74.7 | 72.4 |
| 85° | 846.9 | 763.9 | 207.1 | 153.1 | 106.5 | 73.8 | 67.8 | 67.8 | 65.5 | 49.6 | 48.0 |
| 87.5° | 108.1 | 175.9 | 105.1 | 80.0 | 58.6 | 32.7 | 32.7 | 32.0 | 34.4 | 28.1 | 24.4 |
| 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 |
| 2.5° | 3783.0 | 3819.7 | 3784.7 | 3787.0 | 3825.7 | 3941.4 | 3994.0 | 4037.4 | 4083.9 | 4114.4 | 4128.0 |
| 5° | 2742.0 | 2827.3 | 2856.1 | 2917.0 | 3006.9 | 3154.7 | 3213.3 | 3255.9 | 3284.3 | 3300.9 | 3307.8 |
| 7.5° | 1875.3 | 1926.9 | 1984.8 | 2083.0 | 2278.8 | 2365.7 | 2404.4 | 2394.5 | 2362.7 | 2351.2 | 2339.9 |
| 10° | 1413.7 | 1393.1 | 1382.3 | 1436.5 | 1594.9 | 1682.5 | 1709.9 | 1683.2 | 1665.7 | 1669.6 | 1688.5 |
| 12.5° | 1095.2 | 1059.5 | 1016.1 | 1009.9 | 1114.4 | 1192.8 | 1210.3 | 1211.7 | 1243.7 | 1271.8 | 1313.8 |
| 15° | 798.2 | 794.3 | 773.1 | 760.2 | 819.5 | 883.6 | 891.2 | 904.8 | 933.8 | 954.3 | 990.8 |
| 17.5° | 562.8 | 583.4 | 600.2 | 608.5 | 653.4 | 699.1 | 690.8 | 683.9 | 678.6 | 678.6 | 696.1 |
| 20° | 454.0 | 467.6 | 489.0 | 513.3 | 559.1 | 591.0 | 570.4 | 543.0 | 523.2 | 517.2 | 519.5 |
| 22.5° | 409.0 | 419.6 | 431.9 | 453.1 | 494.4 | 516.5 | 494.4 | 474.5 | 454.7 | 447.8 | 445.5 |
| 25° | 386.2 | 399.8 | 411.3 | 427.3 | 457.7 | 472.9 | 451.7 | 437.2 | 424.9 | 416.6 | 410.4 |
| 27.5° | 373.3 | 385.3 | 388.5 | 396.1 | 422.0 | 435.6 | 424.9 | 419.0 | 411.3 | 403.7 | 396.1 |
| 30° | 359.5 | 357.2 | 351.9 | 352.5 | 373.3 | 386.9 | 386.2 | 387.6 | 386.9 | 384.6 | 383.2 |
| 32.5° | 328.3 | 323.7 | 319.1 | 323.7 | 342.6 | 354.9 | 355.8 | 358.8 | 358.8 | 358.1 | 364.1 |
| 35° | 273.5 | 281.8 | 287.1 | 300.9 | 323.7 | 334.3 | 329.7 | 322.1 | 308.5 | 300.0 | 299.3 |
| 37.5° | 252.9 | 254.3 | 263.5 | 282.5 | 307.8 | 317.5 | 310.8 | 293.3 | 284.1 | 282.5 | 284.8 |
| 40° | 243.0 | 244.4 | 249.7 | 267.2 | 292.4 | 302.3 | 296.3 | 283.4 | 274.8 | 274.2 | 278.1 |
| 42.5° | 236.1 | 237.7 | 240.7 | 252.9 | 273.5 | 285.7 | 286.4 | 277.2 | 267.2 | 268.2 | 271.8 |
| 45° | 232.2 | 233.1 | 232.2 | 238.4 | 257.3 | 271.8 | 278.1 | 271.8 | 263.5 | 265.2 | 269.5 |
| 47.5° | 231.5 | 229.2 | 226.2 | 227.8 | 247.6 | 261.9 | 269.5 | 267.2 | 263.5 | 265.2 | 268.9 |
| 50° | 228.5 | 223.2 | 219.3 | 218.6 | 238.4 | 253.6 | 260.5 | 260.5 | 261.9 | 265.2 | 268.9 |
| 52.5° | 219.3 | 213.3 | 213.3 | 211.0 | 232.2 | 246.7 | 251.3 | 252.0 | 254.3 | 259.6 | 265.2 |
| 55° | 208.0 | 205.7 | 208.0 | 204.1 | 227.8 | 241.4 | 243.7 | 245.3 | 246.7 | 251.3 | 258.9 |
| 57.5° | 198.1 | 195.1 | 200.4 | 198.8 | 223.9 | 236.1 | 236.1 | 239.1 | 239.1 | 245.3 | 251.3 |
| 60° | 192.8 | 186.5 | 188.8 | 190.5 | 218.6 | 231.5 | 230.1 | 233.1 | 234.5 | 240.0 | 244.4 |
| 62.5° | 185.8 | 180.5 | 180.5 | 184.2 | 212.6 | 224.6 | 223.9 | 226.2 | 232.2 | 233.8 | 238.4 |
| 65° | 177.5 | 175.2 | 172.9 | 177.5 | 206.4 | 217.0 | 217.9 | 220.9 | 226.2 | 227.8 | 231.5 |
| 67.5° | 169.0 | 169.9 | 165.3 | 169.9 | 201.1 | 209.4 | 209.4 | 215.6 | 217.9 | 220.9 | 224.6 |
| 70° | 160.0 | 160.7 | 156.8 | 162.3 | 197.4 | 201.1 | 200.4 | 208.7 | 210.3 | 212.6 | 216.3 |
| 72.5° | 148.5 | 148.5 | 147.1 | 154.7 | 191.1 | 192.8 | 191.1 | 198.1 | 198.8 | 201.1 | 202.7 |
| 75° | 136.3 | 136.3 | 134.9 | 145.5 | 187.5 | 183.5 | 178.9 | 184.2 | 185.8 | 187.5 | 187.5 |
| 77.5° | 120.4 | 122.0 | 122.0 | 134.9 | 174.3 | 179.8 | 164.4 | 167.6 | 169.9 | 170.6 | 168.3 |
| 80° | 100.5 | 104.5 | 105.8 | 122.7 | 146.2 | 166.0 | 147.1 | 149.2 | 150.1 | 150.1 | 147.1 |
| 82.5° | 77.0 | 83.7 | 87.6 | 105.8 | 112.1 | 139.3 | 128.0 | 130.3 | 128.0 | 123.4 | 122.0 |
| 85° | 53.3 | 62.5 | 67.1 | 80.7 | 84.6 | 107.4 | 106.5 | 106.5 | 102.1 | 95.9 | 95.2 |
| 87.5° | 29.1 | 34.4 | 37.4 | 48.0 | 57.9 | 72.4 | 78.4 | 76.1 | 72.4 | 68.5 | 69.4 |
| 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):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 |
| 2.5° | 4199.7 | 4303.2 | 4468.5 | 4594.9 | 4722.2 | 4844.8 | 4977.4 | 5078.6 | 5164.6 | 5198.3 | 5300.2 |
| 5° | 3377.2 | 3506.6 | 3662.7 | 3944.4 | 4144.1 | 4364.1 | 4618.6 | 4955.3 | 5084.6 | 5263.8 | 5556.8 |
| 7.5° | 2387.8 | 2505.0 | 2756.3 | 2984.1 | 3266.8 | 3578.3 | 3921.6 | 4386.2 | 4556.2 | 4843.2 | 5320.7 |
| 10° | 1783.0 | 1919.3 | 2121.1 | 2313.1 | 2562.1 | 2880.6 | 3275.1 | 3794.6 | 4000.9 | 4312.4 | 4862.4 |
| 12.5° | 1436.5 | 1597.2 | 1811.2 | 1991.7 | 2184.5 | 2409.0 | 2792.3 | 3361.8 | 3638.5 | 3911.0 | 4466.9 |
| 15° | 1103.5 | 1271.8 | 1470.8 | 1700.0 | 1912.4 | 2154.7 | 2556.2 | 3179.2 | 3497.4 | 3781.7 | 4255.9 |
| 17.5° | 763.9 | 907.8 | 1158.4 | 1397.5 | 1669.6 | 1979.5 | 2490.7 | 3217.9 | 3597.9 | 3925.5 | 4292.6 |
| 20° | 541.6 | 623.7 | 829.4 | 1106.8 | 1445.7 | 1834.7 | 2478.4 | 3422.0 | 3916.3 | 4290.3 | 4527.1 |
| 22.5° | 455.4 | 485.8 | 605.5 | 859.8 | 1251.3 | 1726.5 | 2521.1 | 3708.3 | 4345.9 | 4823.4 | 4901.1 |
| 25° | 415.0 | 433.5 | 495.7 | 674.9 | 1078.4 | 1648.1 | 2665.0 | 4134.9 | 4877.6 | 5356.7 | 5342.9 |
| 27.5° | 392.9 | 412.0 | 453.1 | 569.7 | 948.4 | 1599.5 | 2808.9 | 4640.8 | 5485.4 | 5935.5 | 5764.8 |
| 30° | 386.2 | 412.0 | 455.4 | 537.0 | 855.4 | 1522.5 | 2926.9 | 5084.6 | 5953.0 | 6326.3 | 5956.9 |
| 32.5° | 380.9 | 384.6 | 404.4 | 463.0 | 766.9 | 1432.6 | 3006.9 | 5483.1 | 6410.7 | 6698.0 | 6233.4 |
| 35° | 307.8 | 326.7 | 358.8 | 415.0 | 715.2 | 1378.6 | 3006.9 | 5826.6 | 6861.7 | 7073.3 | 6496.9 |
| 37.5° | 296.3 | 313.1 | 341.3 | 389.2 | 686.2 | 1351.9 | 2946.7 | 6158.0 | 7322.4 | 7499.2 | 6713.9 |
| 40° | 290.3 | 303.9 | 330.6 | 369.4 | 674.0 | 1321.4 | 2859.1 | 6450.3 | 7772.4 | 7925.5 | 6916.5 |
| 42.5° | 285.7 | 297.9 | 323.0 | 357.2 | 658.1 | 1288.0 | 2788.3 | 6684.8 | 8163.3 | 8289.6 | 7110.0 |
| 45° | 283.4 | 296.3 | 323.7 | 363.4 | 626.0 | 1243.7 | 2764.8 | 6938.5 | 8484.7 | 8593.5 | 7319.4 |
| 47.5° | 283.4 | 298.6 | 327.4 | 376.3 | 588.0 | 1198.1 | 2838.6 | 7273.0 | 8788.6 | 8841.8 | 7566.1 |
| 50° | 281.1 | 297.9 | 338.3 | 363.4 | 532.4 | 1140.2 | 3012.2 | 7694.0 | 9117.6 | 9123.6 | 7878.5 |
| 52.5° | 276.5 | 296.3 | 364.1 | 355.8 | 468.3 | 1064.1 | 3247.0 | 8235.0 | 9604.4 | 9640.8 | 8367.3 |
| 55° | 271.2 | 294.0 | 357.2 | 338.3 | 416.0 | 973.5 | 3438.8 | 8892.1 | 10288.2 | 10389.5 | 9086.5 |
| 57.5° | 264.2 | 291.0 | 345.9 | 313.8 | 381.6 | 856.8 | 3508.2 | 9373.6 | 10765.8 | 11020.1 | 9896.7 |
| 60° | 258.2 | 288.7 | 312.2 | 299.3 | 360.2 | 758.6 | 3374.0 | 9278.3 | 10733.0 | 11281.3 | 10615.0 |
| 62.5° | 252.0 | 291.0 | 284.8 | 290.3 | 350.2 | 695.4 | 3023.8 | 8515.8 | 10190.0 | 11011.8 | 11147.4 |
| 65° | 245.3 | 270.5 | 268.9 | 282.5 | 348.2 | 670.3 | 2506.6 | 7372.6 | 9140.4 | 10159.6 | 11273.0 |
| 67.5° | 236.1 | 249.7 | 257.3 | 272.8 | 355.8 | 648.1 | 2022.8 | 6081.6 | 7681.8 | 8882.2 | 10618.0 |
| 70° | 226.2 | 237.7 | 246.0 | 260.5 | 351.2 | 638.2 | 1682.5 | 4796.0 | 6095.5 | 7279.7 | 9325.6 |
| 72.5° | 213.3 | 223.2 | 230.8 | 244.4 | 346.6 | 632.9 | 1421.3 | 3862.4 | 4550.9 | 5407.7 | 7582.2 |
| 75° | 198.1 | 207.1 | 212.6 | 226.2 | 332.0 | 579.7 | 1117.4 | 3268.2 | 3405.4 | 3761.8 | 6039.0 |
| 77.5° | 180.5 | 187.5 | 191.8 | 207.1 | 294.0 | 482.1 | 808.2 | 2521.1 | 2644.5 | 2731.2 | 4629.9 |
| 80° | 160.0 | 166.7 | 169.0 | 183.5 | 243.7 | 377.0 | 527.1 | 1862.1 | 1977.9 | 1997.7 | 3023.8 |
| 82.5° | 136.3 | 143.2 | 143.2 | 156.8 | 199.4 | 271.2 | 345.9 | 1275.8 | 1298.6 | 1365.7 | 2137.2 |
| 85° | 109.8 | 115.1 | 115.1 | 122.0 | 154.7 | 202.7 | 237.7 | 640.5 | 633.6 | 723.5 | 1851.5 |
| 87.5° | 78.4 | 82.3 | 86.0 | 87.6 | 110.4 | 134.0 | 143.2 | 195.1 | 128.7 | 147.8 | 1188.8 |
| 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: GLNA-AF-04-LED-E1-SLR-7050-600

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 | 4681.1 |
| 2.5° | 5377.2 | 5420.6 | 5376.3 | 5344.5 | 5206.6 | 5093.2 | 4941.4 | 4863.7 |
| 5° | 5780.0 | 5890.5 | 5853.1 | 5719.2 | 5431.2 | 5107.5 | 4739.7 | 4573.7 |
| 7.5° | 5731.4 | 5988.0 | 5994.0 | 5743.6 | 5319.4 | 4842.5 | 4344.5 | 4108.4 |
| 10° | 5352.1 | 5680.2 | 5774.1 | 5531.0 | 5080.9 | 4547.9 | 3976.5 | 3706.9 |
| 12.5° | 4928.5 | 5250.0 | 5321.7 | 5237.7 | 4861.7 | 4326.0 | 3746.6 | 3482.1 |
| 15° | 4582.0 | 4726.1 | 4811.2 | 4884.5 | 4673.5 | 4237.7 | 3733.5 | 3443.4 |
| 17.5° | 4371.0 | 4355.1 | 4379.5 | 4506.6 | 4542.3 | 4339.0 | 3931.5 | 3611.7 |
| 20° | 4294.9 | 4050.5 | 4044.3 | 4219.5 | 4480.8 | 4580.6 | 4318.4 | 3934.5 |
| 22.5° | 4336.9 | 3940.8 | 3890.5 | 4098.5 | 4513.5 | 4928.5 | 4825.7 | 4387.8 |
| 25° | 4481.4 | 3950.0 | 3909.4 | 4110.7 | 4632.2 | 5299.5 | 5373.3 | 4974.2 |
| 27.5° | 4709.3 | 4007.8 | 3954.4 | 4161.0 | 4790.0 | 5611.0 | 5912.6 | 5542.6 |
| 30° | 4925.5 | 4108.4 | 4042.0 | 4259.9 | 4933.8 | 5734.4 | 6243.3 | 5985.7 |
| 32.5° | 5188.4 | 4296.5 | 4179.9 | 4441.8 | 5112.1 | 5930.8 | 6537.9 | 6352.8 |
| 35° | 5445.7 | 4564.5 | 4419.9 | 4722.9 | 5310.8 | 6175.5 | 6874.6 | 6822.0 |
| 37.5° | 5728.4 | 4914.9 | 4795.3 | 5086.2 | 5582.9 | 6406.1 | 7304.1 | 7371.9 |
| 40° | 6030.0 | 5379.5 | 5237.7 | 5616.3 | 6004.9 | 6695.7 | 7752.8 | 7915.6 |
| 42.5° | 6333.9 | 5895.1 | 5726.1 | 6109.8 | 6468.5 | 6981.1 | 8136.5 | 8378.2 |
| 45° | 6681.8 | 6454.9 | 6374.9 | 6790.0 | 6914.2 | 7253.2 | 8419.9 | 8720.1 |
| 47.5° | 7087.2 | 7090.2 | 7218.8 | 7384.8 | 7363.6 | 7560.8 | 8704.9 | 9025.4 |
| 50° | 7560.1 | 7882.9 | 8167.2 | 8277.4 | 7826.6 | 7891.4 | 9100.1 | 9434.4 |
| 52.5° | 8128.2 | 8831.2 | 9183.1 | 9110.7 | 8325.6 | 8294.9 | 9726.1 | 9997.9 |
| 55° | 8838.8 | 9835.2 | 10184.7 | 10132.8 | 8899.0 | 8844.8 | 10506.1 | 10664.5 |
| 57.5° | 9661.3 | 10807.7 | 11129.1 | 10896.0 | 9587.5 | 9448.3 | 11151.3 | 11184.7 |
| 60° | 10384.2 | 11578.5 | 11860.3 | 11602.1 | 10282.2 | 10090.2 | 11554.1 | 11391.8 |
| 62.5° | 10786.3 | 11839.8 | 12037.8 | 11759.8 | 10758.2 | 10774.1 | 11642.4 | 11279.9 |
| 65° | 10606.7 | 11179.4 | 11243.3 | 11220.5 | 10635.5 | 11170.9 | 11324.9 | 10762.8 |
| 67.5° | 9622.6 | 9509.8 | 9617.3 | 9765.8 | 9584.5 | 10648.4 | 10445.0 | 9636.2 |
| 70° | 7889.1 | 7269.8 | 7484.0 | 7583.6 | 7665.9 | 9163.3 | 9065.7 | 7848.8 |
| 72.5° | 5945.4 | 5093.2 | 5262.2 | 5241.7 | 5622.3 | 7349.8 | 7050.5 | 5771.1 |
| 75° | 4212.6 | 3453.3 | 3474.5 | 3466.2 | 3923.2 | 5750.3 | 5105.4 | 3948.4 |
| 77.5° | 2947.4 | 2502.0 | 2513.5 | 2560.5 | 2637.5 | 4336.9 | 3647.5 | 2884.3 |
| 80° | 2026.8 | 1898.8 | 1962.0 | 1965.9 | 1828.0 | 2913.3 | 2694.7 | 2314.7 |
| 82.5° | 1509.6 | 1319.8 | 1304.6 | 1326.7 | 1432.6 | 2360.4 | 2070.8 | 1605.5 |
| 85° | 1236.1 | 781.4 | 628.3 | 787.6 | 1269.5 | 2337.6 | 1375.6 | 846.9 |
| 87.5° | 696.1 | 371.0 | 167.6 | 310.8 | 506.6 | 1547.6 | 397.5 | 108.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)