

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: P298998

Luminaire Tested: **GLNA-AF-04-LED-E1-SLL-7060-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298998  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P191289)  
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-SLL-7060-600  
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5700K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill  
Light Eliminator Left 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

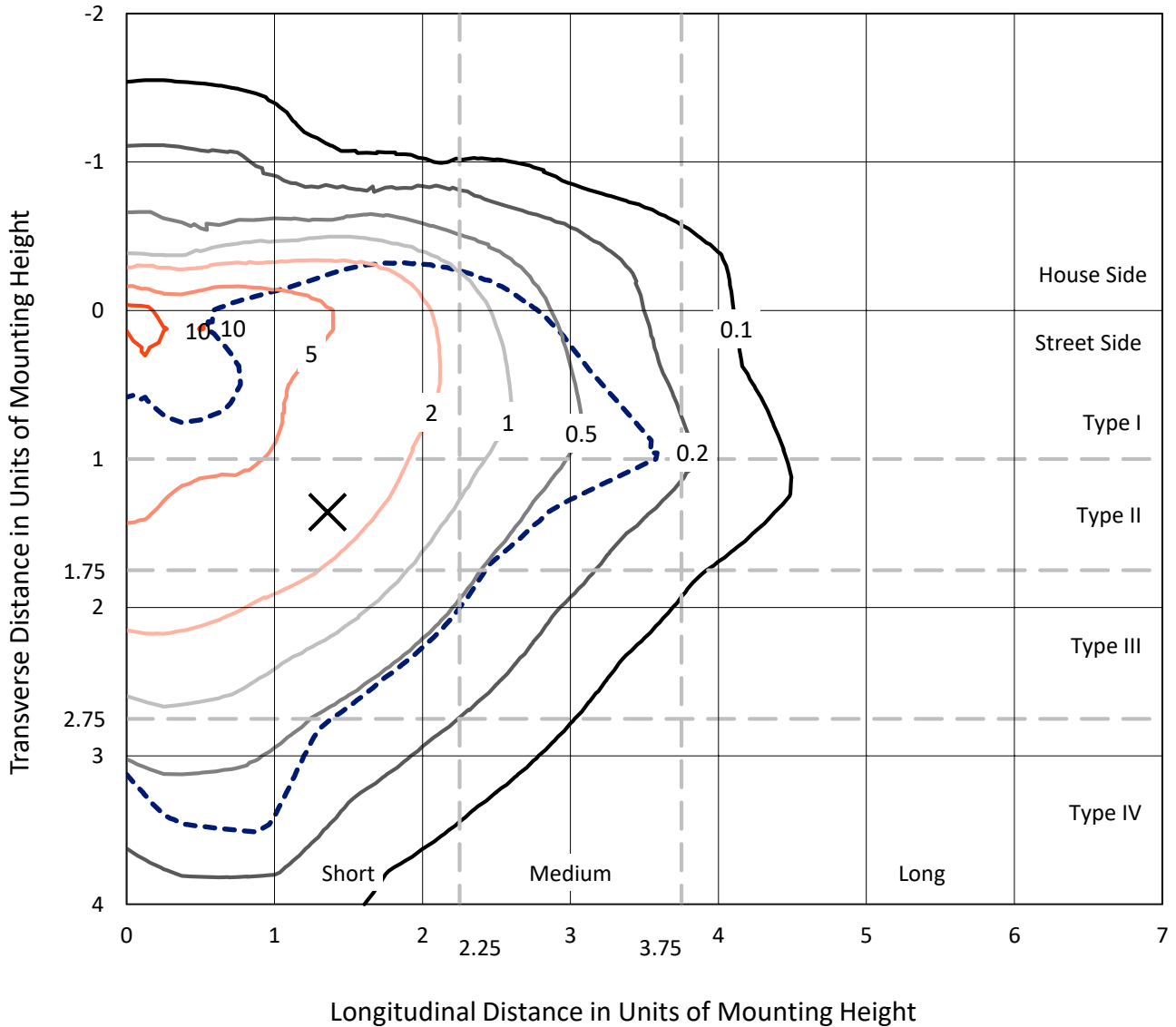


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### Iso-Footcandle Lines of Horizontal Illumination

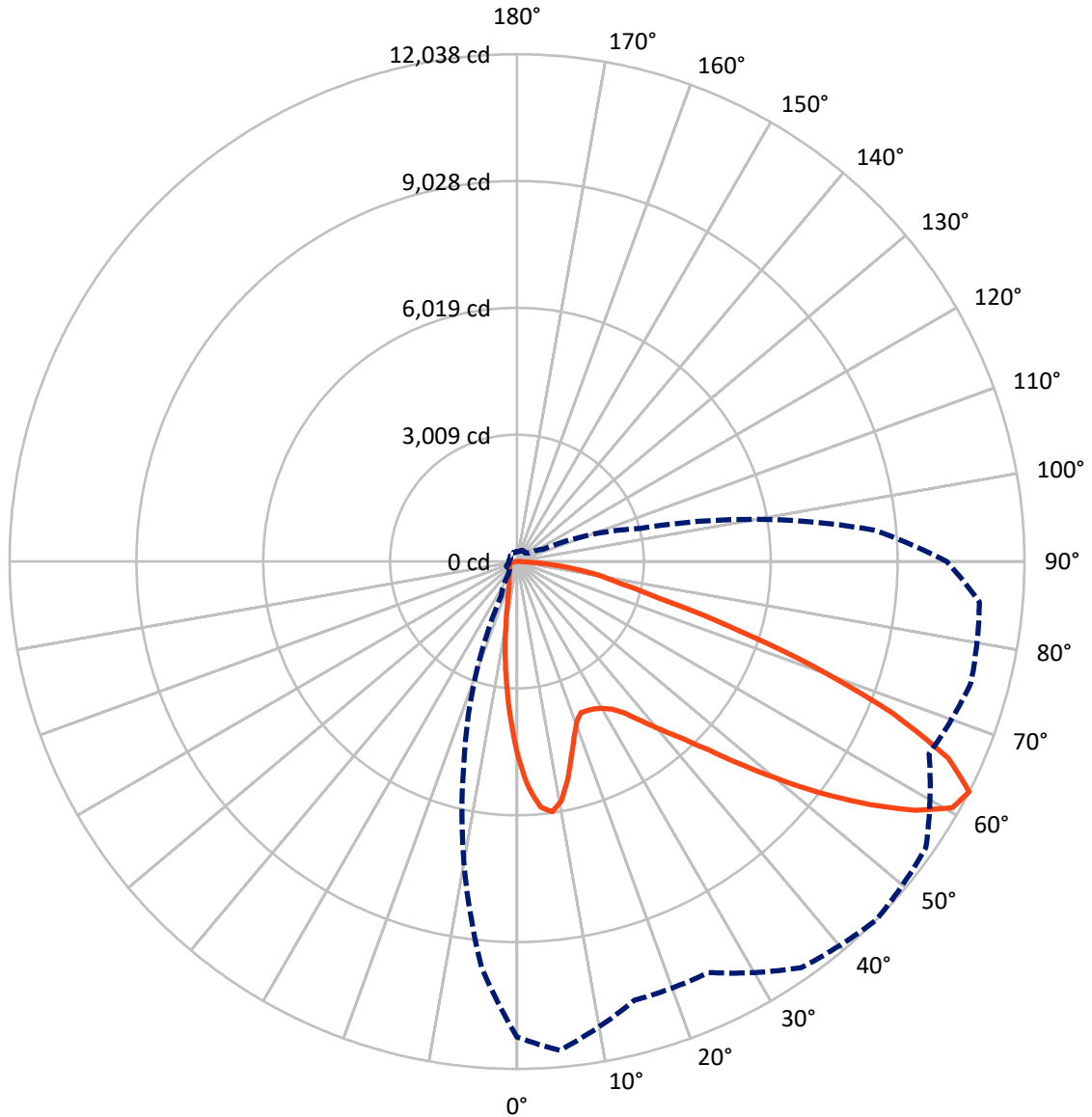
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2292.8   | 0.0    | 2292.8  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 11562.4  | 0.0    | 11562.4 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | 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°   | 911.1   | 6.6       |
| 30°-40°   | 1403.1  | 10.1      |
| 40°-50°   | 2065.0  | 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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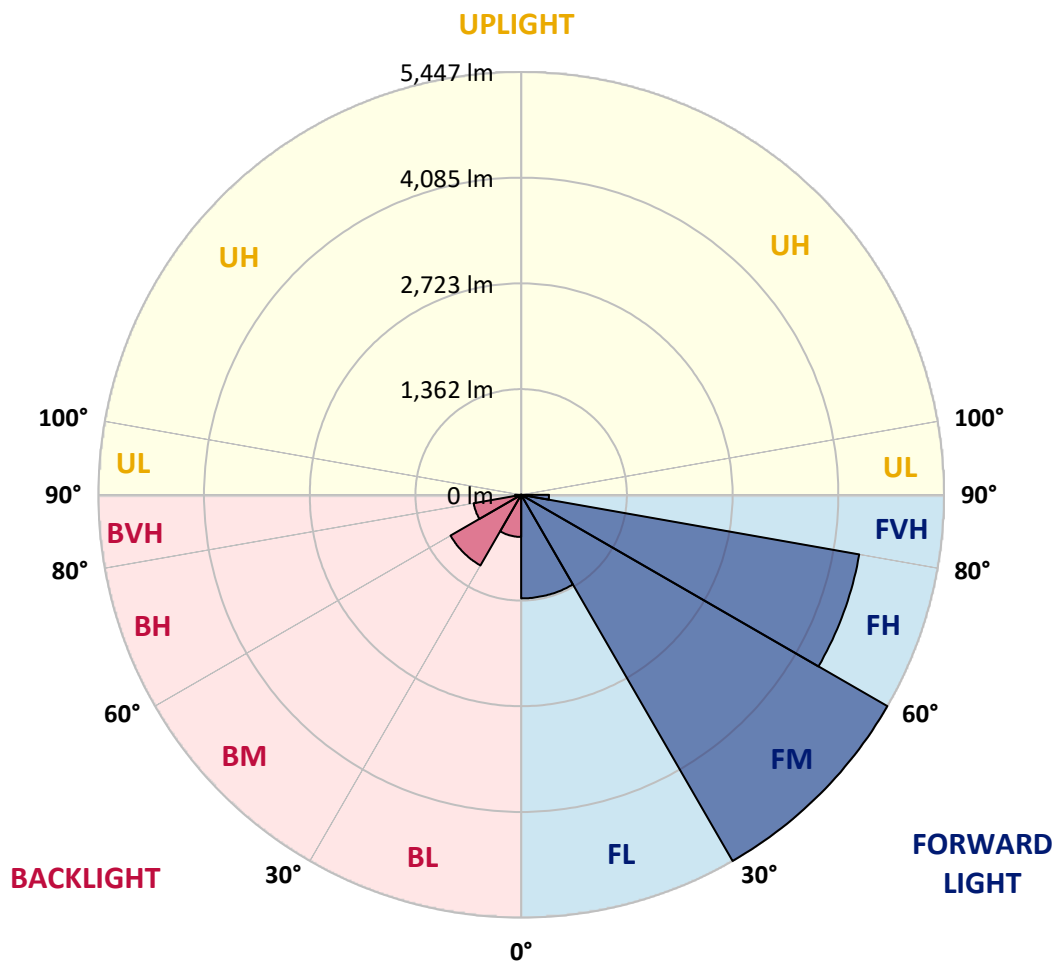
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 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°)    | 542.5  | 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°    | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  | 4681.2  |
| 2.5°  | 4863.7  | 4941.6  | 5093.1  | 5206.4  | 5344.6  | 5376.5  | 5420.7  | 5377.2  | 5300.3  | 5198.2  | 5164.8  |
| 5°    | 4573.6  | 4739.8  | 5107.5  | 5431.4  | 5719.2  | 5853.2  | 5890.7  | 5780.0  | 5557.0  | 5263.7  | 5084.7  |
| 7.5°  | 4108.3  | 4344.4  | 4842.4  | 5319.4  | 5743.4  | 5994.1  | 5987.9  | 5731.3  | 5320.8  | 4843.1  | 4556.1  |
| 10°   | 3706.8  | 3976.5  | 4547.9  | 5081.0  | 5531.0  | 5774.0  | 5680.1  | 5352.2  | 4862.2  | 4312.3  | 4001.0  |
| 12.5° | 3482.3  | 3746.6  | 4326.1  | 4861.4  | 5237.8  | 5321.6  | 5249.9  | 4928.4  | 4466.8  | 3911.0  | 3638.3  |
| 15°   | 3443.2  | 3733.7  | 4237.9  | 4673.5  | 4884.4  | 4811.5  | 4726.0  | 4582.1  | 4255.9  | 3781.5  | 3497.4  |
| 17.5° | 3611.8  | 3931.5  | 4339.3  | 4542.5  | 4506.6  | 4379.3  | 4355.1  | 4371.1  | 4292.8  | 3925.4  | 3598.0  |
| 20°   | 3934.7  | 4318.5  | 4580.6  | 4480.9  | 4219.6  | 4044.3  | 4050.5  | 4295.0  | 4527.2  | 4290.3  | 3916.2  |
| 22.5° | 4387.7  | 4825.8  | 4928.4  | 4513.6  | 4098.4  | 3890.5  | 3940.9  | 4337.0  | 4901.3  | 4823.6  | 4345.9  |
| 25°   | 4974.2  | 5373.5  | 5299.6  | 4632.2  | 4110.5  | 3909.5  | 3949.8  | 4481.7  | 5342.8  | 5356.7  | 4877.8  |
| 27.5° | 5542.4  | 5912.8  | 5610.9  | 4790.0  | 4161.0  | 3954.5  | 4007.9  | 4709.1  | 5764.9  | 5935.5  | 5485.5  |
| 30°   | 5985.7  | 6243.3  | 5734.2  | 4933.9  | 4259.9  | 4042.1  | 4108.3  | 4925.5  | 5957.0  | 6326.2  | 5953.1  |
| 32.5° | 6352.9  | 6537.8  | 5930.8  | 5112.2  | 4441.9  | 4179.8  | 4296.5  | 5188.3  | 6233.4  | 6698.0  | 6410.7  |
| 35°   | 6821.9  | 6874.6  | 6175.3  | 5310.9  | 4723.0  | 4419.9  | 4564.5  | 5445.7  | 6497.0  | 7073.3  | 6861.7  |
| 37.5° | 7372.0  | 7304.3  | 6406.0  | 5582.9  | 5086.4  | 4795.2  | 4914.9  | 5728.3  | 6713.8  | 7499.1  | 7322.3  |
| 40°   | 7915.7  | 7752.5  | 6695.8  | 6004.7  | 5616.5  | 5237.8  | 5379.4  | 6030.0  | 6916.6  | 7925.6  | 7772.6  |
| 42.5° | 8378.1  | 8136.5  | 6981.1  | 6468.6  | 6109.8  | 5726.1  | 5895.2  | 6333.8  | 7109.9  | 8289.6  | 8163.2  |
| 45°   | 8720.0  | 8419.9  | 7253.1  | 6914.1  | 6790.0  | 6374.9  | 6455.0  | 6681.7  | 7319.4  | 8593.7  | 8484.7  |
| 47.5° | 9025.4  | 8704.7  | 7560.7  | 7363.6  | 7384.9  | 7218.7  | 7089.9  | 7086.9  | 7566.4  | 8841.9  | 8788.5  |
| 50°   | 9434.3  | 9100.1  | 7891.3  | 7826.5  | 8277.5  | 8166.9  | 7882.8  | 7559.9  | 7878.4  | 9123.8  | 9117.6  |
| 52.5° | 9998.1  | 9726.4  | 8295.0  | 8325.4  | 9110.9  | 9183.1  | 8831.1  | 8128.4  | 8367.2  | 9640.8  | 9604.5  |
| 55°   | 10664.7 | 10505.9 | 8845.1  | 8899.0  | 10132.8 | 10184.8 | 9834.9  | 8838.7  | 9086.5  | 10389.7 | 10288.4 |
| 57.5° | 11184.6 | 11151.3 | 9448.2  | 9587.6  | 10896.1 | 11129.3 | 10807.8 | 9661.6  | 9896.7  | 11020.2 | 10765.8 |
| 60°   | 11391.8 | 11554.0 | 10090.3 | 10282.2 | 11602.2 | 11860.1 | 11578.5 | 10384.0 | 10615.0 | 11281.6 | 10733.2 |
| 62.5° | 11280.1 | 11642.3 | 10774.2 | 10758.1 | 11759.7 | 12037.7 | 11839.6 | 10786.3 | 11147.5 | 11011.8 | 10190.2 |
| 65°   | 10762.8 | 11324.8 | 11171.0 | 10635.5 | 11220.5 | 11243.2 | 11179.2 | 10606.6 | 11273.2 | 10159.5 | 9140.4  |
| 67.5° | 9636.1  | 10445.1 | 10648.3 | 9584.7  | 9765.7  | 9617.3  | 9509.8  | 9622.5  | 10617.9 | 8882.2  | 7681.8  |
| 70°   | 7848.7  | 9065.9  | 9163.1  | 7666.0  | 7583.7  | 7483.8  | 7269.9  | 7889.0  | 9325.6  | 7279.8  | 6095.5  |
| 72.5° | 5771.1  | 7050.6  | 7349.8  | 5622.5  | 5241.7  | 5262.0  | 5093.1  | 5945.1  | 7582.2  | 5407.6  | 4550.9  |
| 75°   | 3948.3  | 5105.2  | 5750.6  | 3923.1  | 3466.5  | 3474.6  | 3453.1  | 4212.7  | 6039.1  | 3761.7  | 3405.4  |
| 77.5° | 2884.4  | 3647.4  | 4337.0  | 2637.4  | 2560.5  | 2513.3  | 2501.9  | 2947.5  | 4630.0  | 2731.4  | 2644.3  |
| 80°   | 2314.5  | 2694.8  | 2913.1  | 1827.9  | 1965.6  | 1961.9  | 1898.6  | 2026.7  | 3023.6  | 1997.8  | 1977.8  |
| 82.5° | 1605.6  | 2071.0  | 2360.3  | 1432.6  | 1326.7  | 1304.5  | 1320.1  | 1509.5  | 2137.2  | 1365.6  | 1298.6  |
| 85°   | 847.1   | 1375.5  | 2337.5  | 1269.6  | 787.5   | 628.3   | 781.6   | 1236.0  | 1851.7  | 723.7   | 633.5   |
| 87.5° | 108.3   | 397.6   | 1547.5  | 506.6   | 310.8   | 167.4   | 371.1   | 696.0   | 1189.0  | 147.6   | 128.8   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 |
| 2.5°  | 5078.8 | 4977.4 | 4844.9 | 4722.0 | 4594.9 | 4468.3 | 4303.2 | 4199.6 | 4128.1 | 4114.3 | 4084.1 |
| 5°    | 4955.4 | 4618.6 | 4364.2 | 4144.2 | 3944.6 | 3662.5 | 3506.5 | 3377.0 | 3307.7 | 3301.0 | 3284.2 |
| 7.5°  | 4386.2 | 3921.6 | 3578.2 | 3266.7 | 2984.1 | 2756.4 | 2504.9 | 2387.9 | 2339.7 | 2351.1 | 2362.5 |
| 10°   | 3794.3 | 3275.1 | 2880.5 | 2562.0 | 2313.0 | 2121.2 | 1919.4 | 1783.2 | 1688.5 | 1669.4 | 1665.7 |
| 12.5° | 3361.9 | 2792.2 | 2409.2 | 2184.2 | 1991.9 | 1811.1 | 1597.2 | 1436.3 | 1313.9 | 1271.9 | 1243.9 |
| 15°   | 3178.9 | 2556.1 | 2154.8 | 1912.5 | 1699.8 | 1470.6 | 1271.9 | 1103.5 | 991.0  | 954.4  | 933.9  |
| 17.5° | 3218.0 | 2490.6 | 1979.5 | 1669.4 | 1397.7 | 1158.4 | 907.9  | 763.8  | 696.0  | 678.7  | 678.7  |
| 20°   | 3422.2 | 2478.4 | 1834.6 | 1445.7 | 1106.4 | 829.3  | 623.8  | 541.5  | 519.5  | 517.2  | 523.2  |
| 22.5° | 3708.5 | 2521.2 | 1726.8 | 1251.6 | 859.9  | 605.5  | 485.8  | 455.4  | 445.5  | 448.0  | 454.7  |
| 25°   | 4135.0 | 2665.1 | 1648.4 | 1078.5 | 674.7  | 495.7  | 433.2  | 415.1  | 410.4  | 416.6  | 425.0  |
| 27.5° | 4640.6 | 2809.0 | 1599.5 | 948.2  | 569.7  | 453.2  | 411.9  | 393.1  | 396.1  | 403.8  | 411.2  |
| 30°   | 5084.7 | 2927.2 | 1522.6 | 855.5  | 537.0  | 455.4  | 411.9  | 386.2  | 383.2  | 384.7  | 386.9  |
| 32.5° | 5483.3 | 3007.1 | 1432.6 | 767.0  | 463.1  | 404.5  | 384.7  | 381.0  | 364.0  | 357.8  | 358.8  |
| 35°   | 5826.7 | 3007.1 | 1378.7 | 715.3  | 415.1  | 358.8  | 326.9  | 307.8  | 299.2  | 299.9  | 308.6  |
| 37.5° | 6158.0 | 2946.7 | 1352.0 | 686.1  | 389.2  | 341.2  | 313.0  | 296.2  | 284.8  | 282.6  | 284.1  |
| 40°   | 6450.3 | 2859.2 | 1321.6 | 674.0  | 369.4  | 330.6  | 304.1  | 290.0  | 277.9  | 274.2  | 274.9  |
| 42.5° | 6684.9 | 2788.2 | 1287.9 | 658.2  | 357.0  | 322.9  | 297.7  | 285.6  | 272.0  | 268.0  | 267.3  |
| 45°   | 6938.6 | 2764.8 | 1243.9 | 626.0  | 363.2  | 323.7  | 296.2  | 283.3  | 269.5  | 265.1  | 263.6  |
| 47.5° | 7272.9 | 2838.7 | 1198.2 | 588.0  | 376.3  | 327.6  | 298.4  | 283.3  | 268.8  | 265.1  | 263.6  |
| 50°   | 7693.9 | 3012.3 | 1140.1 | 532.3  | 363.2  | 338.2  | 297.7  | 280.9  | 268.8  | 265.1  | 262.1  |
| 52.5° | 8234.9 | 3246.9 | 1064.2 | 468.5  | 355.5  | 364.0  | 296.2  | 276.4  | 265.1  | 259.9  | 254.4  |
| 55°   | 8892.1 | 3438.8 | 973.2  | 415.9  | 338.2  | 357.0  | 294.0  | 271.2  | 259.1  | 251.5  | 246.8  |
| 57.5° | 9373.5 | 3508.0 | 857.0  | 381.8  | 313.8  | 345.7  | 290.8  | 264.3  | 251.5  | 245.3  | 239.3  |
| 60°   | 9278.3 | 3374.0 | 758.6  | 360.2  | 299.2  | 312.3  | 288.5  | 258.1  | 244.5  | 240.1  | 234.4  |
| 62.5° | 8516.1 | 3023.6 | 695.3  | 350.4  | 290.0  | 284.8  | 290.8  | 252.2  | 238.6  | 233.7  | 232.2  |
| 65°   | 7372.8 | 2506.4 | 670.3  | 348.1  | 282.6  | 268.8  | 270.5  | 245.3  | 231.4  | 227.7  | 226.2  |
| 67.5° | 6081.6 | 2023.0 | 648.3  | 355.5  | 272.7  | 257.4  | 250.0  | 236.1  | 224.5  | 220.8  | 217.8  |
| 70°   | 4795.9 | 1682.5 | 638.2  | 351.1  | 260.6  | 246.0  | 237.9  | 226.2  | 216.3  | 212.4  | 210.2  |
| 72.5° | 3862.1 | 1421.2 | 632.7  | 346.4  | 244.5  | 230.7  | 223.0  | 213.1  | 202.5  | 201.0  | 198.8  |
| 75°   | 3268.4 | 1117.3 | 579.8  | 332.1  | 226.2  | 212.4  | 207.2  | 198.0  | 187.4  | 187.4  | 185.9  |
| 77.5° | 2521.2 | 808.0  | 482.1  | 294.0  | 207.2  | 191.9  | 187.4  | 180.5  | 168.4  | 170.6  | 169.9  |
| 80°   | 1862.3 | 527.1  | 377.1  | 243.8  | 183.7  | 169.1  | 166.6  | 160.0  | 146.9  | 150.1  | 150.1  |
| 82.5° | 1275.8 | 345.7  | 271.2  | 199.5  | 156.8  | 143.2  | 143.2  | 136.2  | 121.9  | 123.4  | 128.1  |
| 85°   | 640.6  | 237.9  | 202.5  | 154.5  | 121.9  | 115.0  | 115.0  | 109.8  | 95.2   | 95.9   | 102.1  |
| 87.5° | 195.1  | 143.2  | 134.0  | 110.5  | 87.5   | 86.0   | 82.1   | 78.4   | 69.2   | 68.5   | 72.4   |
| 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°    | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 |
| 2.5°  | 4037.4 | 3993.8 | 3941.7 | 3825.7 | 3786.9 | 3784.4 | 3819.8 | 3782.9 | 3853.2 | 3823.5 | 3856.1 |
| 5°    | 3255.8 | 3213.5 | 3154.7 | 3007.1 | 2917.1 | 2856.0 | 2827.3 | 2742.0 | 2803.6 | 2758.6 | 2796.2 |
| 7.5°  | 2394.6 | 2404.5 | 2365.7 | 2278.9 | 2083.1 | 1984.9 | 1927.1 | 1875.1 | 1920.1 | 1915.5 | 1987.2 |
| 10°   | 1683.3 | 1709.7 | 1682.5 | 1595.0 | 1436.3 | 1382.4 | 1393.0 | 1413.5 | 1472.4 | 1502.5 | 1613.1 |
| 12.5° | 1211.8 | 1210.3 | 1192.7 | 1114.4 | 1010.0 | 1016.0 | 1059.5 | 1095.1 | 1149.2 | 1181.4 | 1293.9 |
| 15°   | 904.7  | 891.1  | 883.4  | 819.4  | 760.0  | 773.2  | 794.4  | 798.1  | 832.5  | 851.5  | 943.0  |
| 17.5° | 683.9  | 690.8  | 699.0  | 653.5  | 608.5  | 600.1  | 583.5  | 562.7  | 572.9  | 576.6  | 622.1  |
| 20°   | 543.0  | 570.4  | 591.2  | 559.0  | 513.5  | 488.8  | 467.6  | 454.0  | 454.0  | 453.2  | 466.1  |
| 22.5° | 474.5  | 494.3  | 516.5  | 494.3  | 453.2  | 431.7  | 419.6  | 409.0  | 407.5  | 407.5  | 419.6  |
| 25°   | 437.4  | 451.7  | 473.0  | 457.9  | 427.2  | 411.2  | 399.8  | 386.2  | 381.0  | 379.3  | 387.7  |
| 27.5° | 418.8  | 425.0  | 435.7  | 421.8  | 396.1  | 388.4  | 385.5  | 373.3  | 366.2  | 362.5  | 371.1  |
| 30°   | 387.7  | 386.2  | 386.9  | 373.3  | 352.6  | 351.8  | 357.0  | 359.5  | 357.0  | 356.3  | 369.4  |
| 32.5° | 358.8  | 355.5  | 354.8  | 342.7  | 323.7  | 319.2  | 323.7  | 328.3  | 333.5  | 341.2  | 356.3  |
| 35°   | 322.2  | 329.8  | 334.3  | 323.7  | 300.7  | 287.1  | 281.9  | 273.5  | 268.8  | 268.8  | 286.3  |
| 37.5° | 293.2  | 310.8  | 317.7  | 307.8  | 282.6  | 263.6  | 254.4  | 252.9  | 253.7  | 256.6  | 273.5  |
| 40°   | 283.3  | 296.2  | 302.1  | 292.5  | 267.3  | 250.0  | 244.5  | 243.0  | 244.5  | 249.2  | 265.8  |
| 42.5° | 277.2  | 286.3  | 285.6  | 273.5  | 252.9  | 240.8  | 237.9  | 236.1  | 237.9  | 242.3  | 260.6  |
| 45°   | 272.0  | 277.9  | 272.0  | 257.4  | 238.6  | 232.2  | 232.9  | 232.2  | 233.7  | 238.6  | 255.9  |
| 47.5° | 267.3  | 269.5  | 262.1  | 247.5  | 227.7  | 226.2  | 229.2  | 231.4  | 232.9  | 237.1  | 255.2  |
| 50°   | 260.6  | 260.6  | 253.7  | 238.6  | 218.6  | 219.3  | 223.0  | 228.5  | 229.2  | 233.7  | 248.5  |
| 52.5° | 252.2  | 251.5  | 246.8  | 232.2  | 210.9  | 213.1  | 213.1  | 219.3  | 220.8  | 226.2  | 241.6  |
| 55°   | 245.3  | 243.8  | 241.6  | 227.7  | 204.2  | 207.9  | 205.7  | 207.9  | 211.6  | 217.1  | 233.7  |
| 57.5° | 239.3  | 236.1  | 236.1  | 223.8  | 198.8  | 200.3  | 195.1  | 198.0  | 202.5  | 207.2  | 224.5  |
| 60°   | 232.9  | 229.9  | 231.4  | 218.6  | 190.4  | 188.9  | 186.7  | 192.6  | 194.3  | 199.5  | 217.1  |
| 62.5° | 226.2  | 223.8  | 224.5  | 212.4  | 184.4  | 180.5  | 180.5  | 185.9  | 186.7  | 194.3  | 210.9  |
| 65°   | 220.8  | 217.8  | 217.1  | 206.5  | 177.5  | 173.1  | 175.3  | 177.5  | 179.0  | 186.7  | 202.5  |
| 67.5° | 215.6  | 209.4  | 209.4  | 201.0  | 169.9  | 165.2  | 169.9  | 169.1  | 171.6  | 178.3  | 191.1  |
| 70°   | 208.7  | 200.3  | 201.0  | 197.3  | 162.2  | 156.8  | 160.7  | 160.0  | 161.5  | 165.9  | 179.0  |
| 72.5° | 198.0  | 191.1  | 192.6  | 191.1  | 154.5  | 146.9  | 148.4  | 148.4  | 148.4  | 152.3  | 165.9  |
| 75°   | 184.4  | 179.0  | 183.7  | 187.4  | 145.4  | 134.8  | 136.2  | 136.2  | 134.0  | 136.2  | 153.0  |
| 77.5° | 167.4  | 164.4  | 179.8  | 174.6  | 134.8  | 121.9  | 121.9  | 120.4  | 116.0  | 118.9  | 137.0  |
| 80°   | 149.3  | 146.9  | 165.9  | 146.1  | 122.6  | 106.1  | 104.3  | 100.4  | 95.9   | 98.2   | 116.7  |
| 82.5° | 130.3  | 128.1  | 139.4  | 112.0  | 106.1  | 87.5   | 83.8   | 76.9   | 72.4   | 74.7   | 91.2   |
| 85°   | 106.8  | 106.8  | 107.6  | 84.6   | 80.6   | 67.0   | 62.6   | 53.4   | 48.0   | 49.5   | 65.5   |
| 87.5° | 76.2   | 78.4   | 72.4   | 57.9   | 48.0   | 37.3   | 34.4   | 28.9   | 24.2   | 28.2   | 34.4   |
| 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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CATALOG NUMBER: GLNA-AF-04-LED-E1-SLL-7060-600

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2 | 4681.2  | 4681.2  |
| 2.5°  | 4023.8 | 4107.6 | 4202.8 | 4324.4 | 4429.0 | 4600.1 | 4764.8  | 4863.7  |
| 5°    | 3008.5 | 3148.0 | 3321.3 | 3544.8 | 3752.8 | 4064.8 | 4374.9  | 4573.6  |
| 7.5°  | 2153.1 | 2302.4 | 2489.8 | 2768.5 | 3062.7 | 3460.8 | 3870.7  | 4108.3  |
| 10°   | 1781.7 | 1934.7 | 2092.2 | 2280.4 | 2521.2 | 2954.4 | 3438.8  | 3706.8  |
| 12.5° | 1473.9 | 1637.5 | 1807.4 | 2005.5 | 2228.5 | 2615.4 | 3173.7  | 3482.3  |
| 15°   | 1128.0 | 1310.7 | 1510.9 | 1761.7 | 2041.1 | 2488.3 | 3108.2  | 3443.2  |
| 17.5° | 773.2  | 977.4  | 1223.1 | 1532.5 | 1874.4 | 2447.0 | 3225.6  | 3611.8  |
| 20°   | 532.3  | 680.9  | 943.8  | 1306.2 | 1717.7 | 2441.8 | 3450.9  | 3934.7  |
| 22.5° | 445.5  | 511.8  | 703.7  | 1098.3 | 1599.5 | 2507.4 | 3800.7  | 4387.7  |
| 25°   | 411.9  | 451.7  | 562.0  | 917.8  | 1513.4 | 2658.2 | 4282.1  | 4974.2  |
| 27.5° | 392.4  | 428.0  | 510.3  | 799.9  | 1445.7 | 2833.2 | 4750.4  | 5542.4  |
| 30°   | 399.8  | 436.4  | 495.7  | 739.5  | 1353.5 | 2979.4 | 5166.3  | 5985.7  |
| 32.5° | 360.2  | 376.3  | 425.0  | 686.1  | 1287.2 | 3102.0 | 5530.3  | 6352.9  |
| 35°   | 307.1  | 335.0  | 379.3  | 661.1  | 1288.7 | 3184.3 | 5927.1  | 6821.9  |
| 37.5° | 292.5  | 320.7  | 352.6  | 652.0  | 1306.2 | 3272.1 | 6382.5  | 7372.0  |
| 40°   | 283.3  | 309.3  | 336.8  | 646.8  | 1323.0 | 3352.0 | 6829.1  | 7915.7  |
| 42.5° | 277.2  | 300.7  | 335.0  | 628.3  | 1331.4 | 3423.7 | 7196.0  | 8378.1  |
| 45°   | 276.4  | 300.7  | 341.2  | 610.0  | 1344.3 | 3500.6 | 7503.8  | 8720.0  |
| 47.5° | 277.2  | 310.8  | 329.8  | 588.0  | 1344.3 | 3629.1 | 7864.8  | 9025.4  |
| 50°   | 274.2  | 327.6  | 317.7  | 556.8  | 1313.1 | 3872.9 | 8359.8  | 9434.3  |
| 52.5° | 272.7  | 325.4  | 294.0  | 508.8  | 1259.0 | 4259.9 | 8994.2  | 9998.1  |
| 55°   | 268.8  | 313.8  | 277.2  | 437.4  | 1196.0 | 4681.9 | 9673.7  | 10664.7 |
| 57.5° | 265.1  | 277.9  | 268.0  | 374.8  | 1098.3 | 4978.9 | 10141.2 | 11184.6 |
| 60°   | 296.9  | 243.0  | 260.6  | 344.2  | 968.0  | 5060.2 | 10123.2 | 11391.8 |
| 62.5° | 274.9  | 227.7  | 250.7  | 337.5  | 876.8  | 4831.8 | 9655.4  | 11280.1 |
| 65°   | 215.6  | 217.8  | 240.8  | 357.0  | 852.3  | 4226.5 | 8826.6  | 10762.8 |
| 67.5° | 197.3  | 207.9  | 230.7  | 382.5  | 854.7  | 3383.9 | 7588.4  | 9636.1  |
| 70°   | 185.9  | 197.3  | 219.3  | 395.4  | 860.7  | 2522.7 | 5999.3  | 7848.7  |
| 72.5° | 173.1  | 183.0  | 206.5  | 397.6  | 820.9  | 1832.4 | 4624.1  | 5771.1  |
| 75°   | 157.5  | 166.6  | 188.2  | 346.4  | 680.2  | 1271.1 | 3537.2  | 3948.3  |
| 77.5° | 140.2  | 146.9  | 165.2  | 267.3  | 505.1  | 813.5  | 2655.0  | 2884.4  |
| 80°   | 119.7  | 123.4  | 138.7  | 195.8  | 345.7  | 508.8  | 2100.6  | 2314.5  |
| 82.5° | 95.9   | 97.4   | 107.6  | 146.9  | 224.5  | 326.9  | 1406.9  | 1605.6  |
| 85°   | 67.7   | 67.7   | 73.9   | 106.8  | 153.0  | 207.2  | 763.8   | 847.1   |
| 87.5° | 31.9   | 32.6   | 32.6   | 58.6   | 79.9   | 105.3  | 176.0   | 108.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END OF REPORT)