

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: P299414

Luminaire Tested: **GLNA-AF-04-LED-E1-SLR-7030-800**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P299414  
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-7030-800  
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K CCT 800mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill  
Light Eliminator Right OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16435.5 lumens  
Efficiency: N/A  
Efficacy: 96.1 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): 171  
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

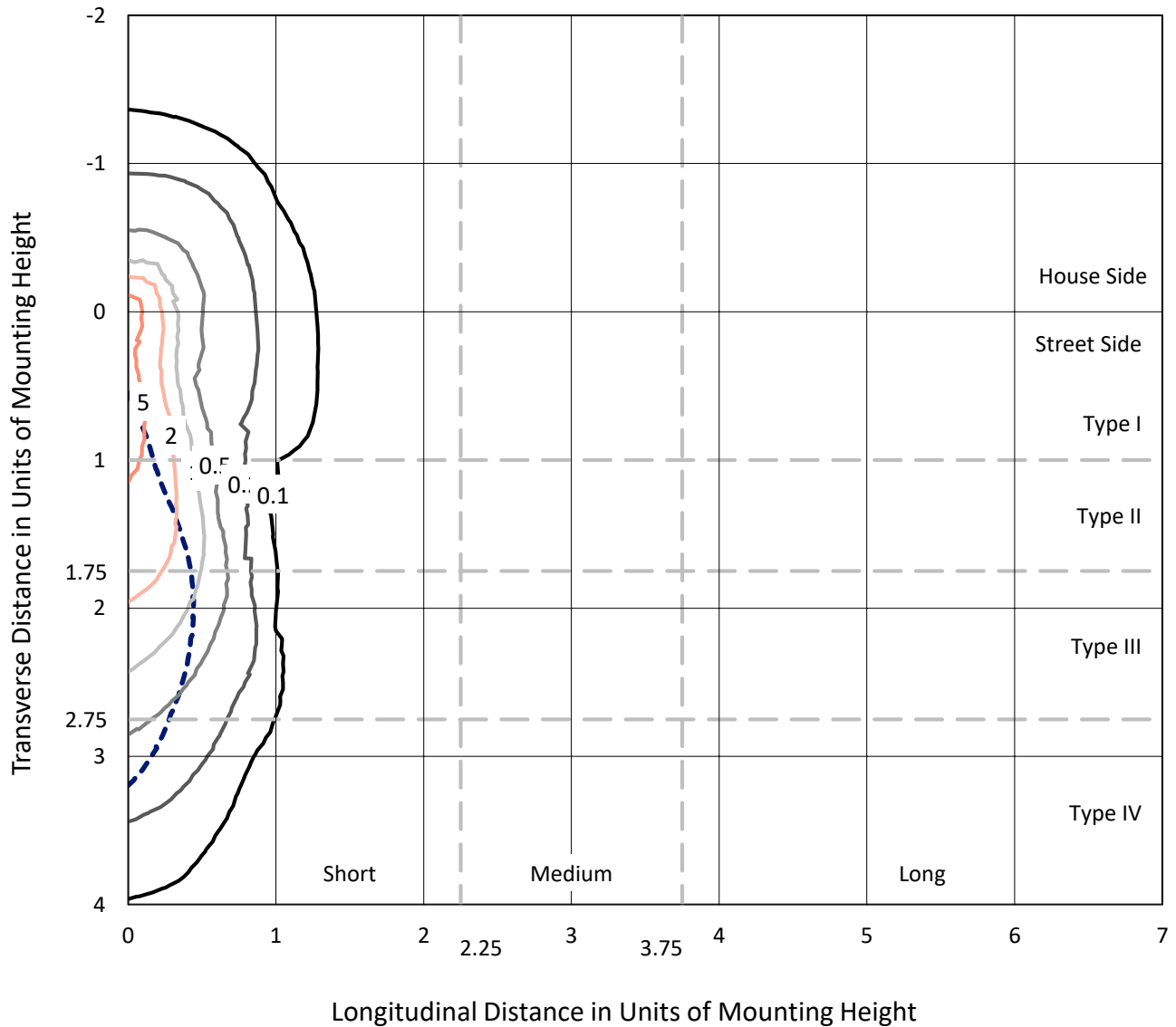


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### Iso-Footcandle Lines of Horizontal Illumination

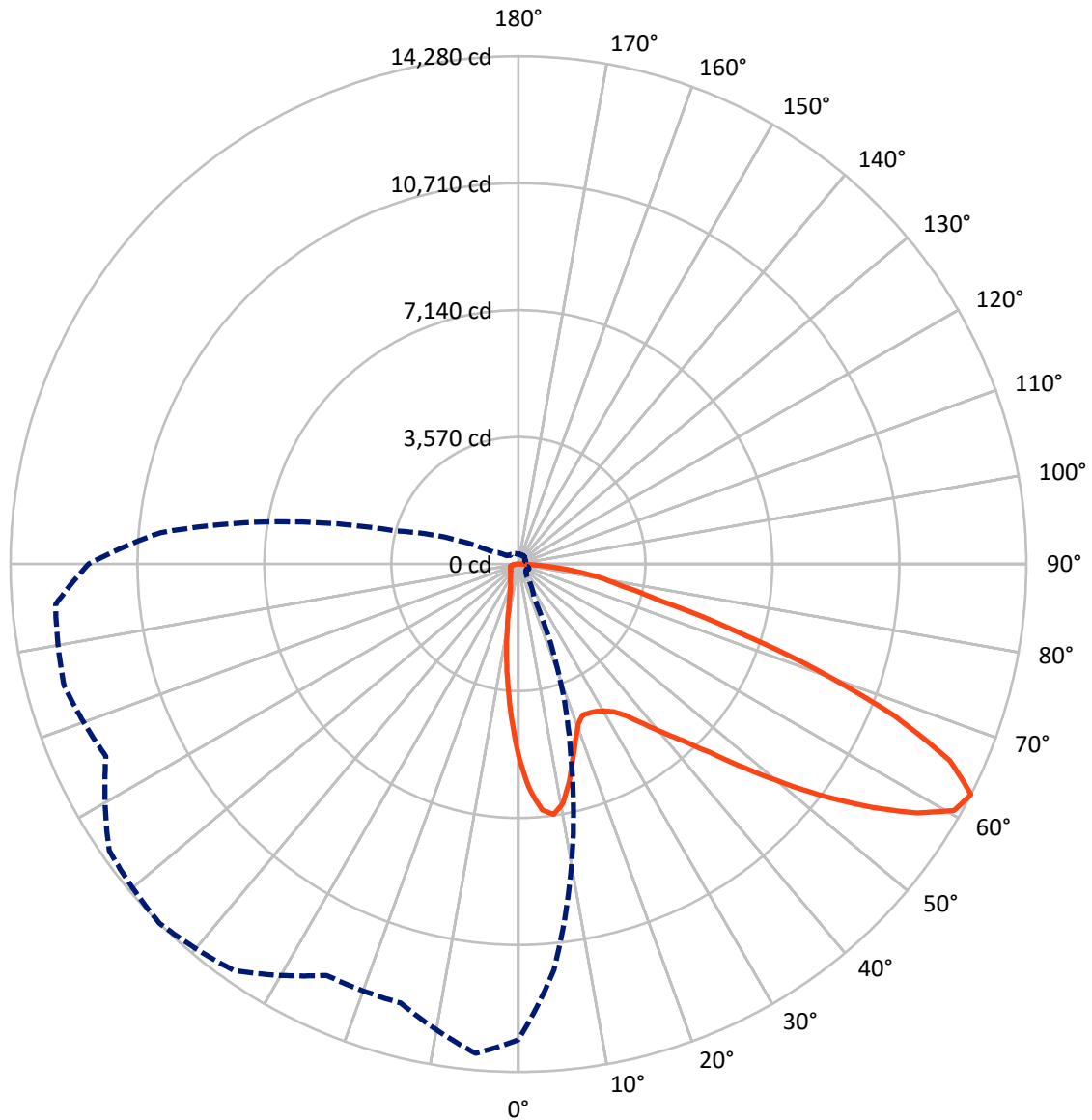
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2719.9   | 0.0    | 2719.9  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 13715.7  | 0.0    | 13715.7 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 16435.5  | 0.0    | 16435.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 404.2   | 2.5       |
| 10°-20°   | 741.2   | 4.5       |
| 20°-30°   | 1080.7  | 6.6       |
| 30°-40°   | 1664.4  | 10.1      |
| 40°-50°   | 2449.6  | 14.9      |
| 50°-60°   | 3593.1  | 21.9      |
| 60°-70°   | 4016.5  | 24.4      |
| 70°-80°   | 1966.5  | 12.0      |
| 80°-90°   | 519.2   | 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°    | 16435.5 | 100.0     |
| 0°-180°   | 16435.5 | 100.0     |

**Coefficient of Utilization**



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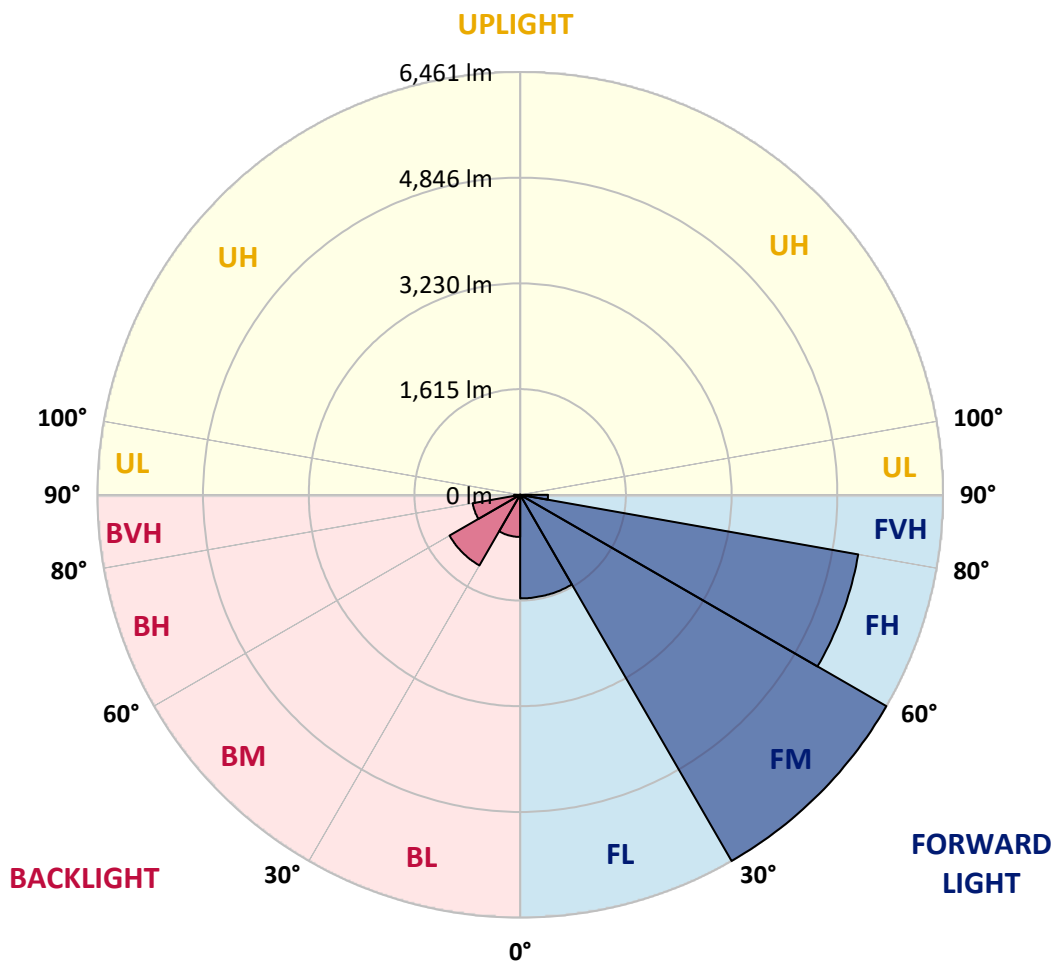
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1582.7 | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 6460.9 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 5245.6 | 31.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 426.4  | 2.6       |                         |      | G3/500  |
| BL   | (0°-30°)    | 643.5  | 3.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1246.2 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 737.4  | 4.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 92.8   | 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°    | 5552.9  | 5552.9  | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 |
| 2.5°  | 5769.5  | 5652.2  | 5456.9 | 5253.7 | 5130.0 | 4985.4 | 4872.4 | 4773.1 | 4574.3 | 4535.4 | 4570.7 |
| 5°    | 5425.4  | 5189.7  | 4821.8 | 4451.5 | 4204.7 | 3940.0 | 3734.0 | 3568.8 | 3316.6 | 3272.3 | 3325.7 |
| 7.5°  | 4873.5  | 4591.5  | 4105.5 | 3632.8 | 3284.1 | 2953.4 | 2731.3 | 2554.1 | 2357.2 | 2272.4 | 2277.6 |
| 10°   | 4397.3  | 4079.2  | 3504.5 | 2990.6 | 2705.1 | 2481.9 | 2294.8 | 2113.2 | 1913.5 | 1782.5 | 1746.4 |
| 12.5° | 4130.6  | 3764.9  | 3102.5 | 2643.5 | 2378.8 | 2144.1 | 1942.5 | 1748.3 | 1535.0 | 1401.2 | 1363.5 |
| 15°   | 4084.7  | 3687.0  | 2951.8 | 2421.4 | 2089.7 | 1792.6 | 1554.9 | 1338.0 | 1118.4 | 1010.1 | 987.4  |
| 17.5° | 4284.3  | 3826.2  | 2902.8 | 2223.4 | 1817.8 | 1451.0 | 1159.2 | 917.1  | 738.2  | 684.1  | 679.4  |
| 20°   | 4667.3  | 4093.7  | 2896.5 | 2037.4 | 1549.5 | 1119.5 | 807.7  | 631.5  | 553.0  | 537.5  | 538.6  |
| 22.5° | 5205.0  | 4508.3  | 2974.2 | 1897.4 | 1302.8 | 834.8  | 607.2  | 528.4  | 497.8  | 483.3  | 483.3  |
| 25°   | 5900.5  | 5079.4  | 3153.1 | 1795.4 | 1088.6 | 666.8  | 535.8  | 488.8  | 459.8  | 449.9  | 451.8  |
| 27.5° | 6574.8  | 5635.0  | 3361.0 | 1714.9 | 948.5  | 605.3  | 507.6  | 465.2  | 440.1  | 430.0  | 434.6  |
| 30°   | 7100.4  | 6128.4  | 3534.4 | 1605.5 | 877.2  | 588.1  | 517.8  | 474.3  | 438.2  | 422.9  | 423.7  |
| 32.5° | 7535.9  | 6560.3  | 3679.9 | 1526.8 | 814.0  | 504.1  | 446.4  | 427.2  | 422.9  | 404.8  | 395.8  |
| 35°   | 8092.5  | 7031.0  | 3777.5 | 1528.7 | 784.2  | 449.9  | 397.4  | 364.0  | 339.7  | 318.9  | 318.9  |
| 37.5° | 8744.8  | 7571.2  | 3881.5 | 1549.5 | 773.5  | 418.2  | 380.5  | 346.8  | 324.4  | 304.4  | 300.9  |
| 40°   | 9389.8  | 8100.7  | 3976.4 | 1569.4 | 766.9  | 399.3  | 366.8  | 336.1  | 315.4  | 295.4  | 289.9  |
| 42.5° | 9938.4  | 8536.1  | 4061.1 | 1579.3 | 745.3  | 397.4  | 356.9  | 328.8  | 309.1  | 287.2  | 282.0  |
| 45°   | 10344.1 | 8901.0  | 4152.5 | 1594.6 | 723.7  | 404.8  | 356.9  | 327.9  | 303.6  | 282.8  | 277.3  |
| 47.5° | 10706.2 | 9329.3  | 4305.1 | 1594.6 | 697.5  | 391.1  | 368.7  | 328.8  | 302.8  | 280.9  | 276.5  |
| 50°   | 11191.4 | 9916.6  | 4594.2 | 1557.7 | 660.5  | 376.6  | 388.4  | 325.2  | 294.6  | 277.3  | 271.9  |
| 52.5° | 11859.9 | 10669.3 | 5053.2 | 1493.4 | 603.6  | 348.7  | 385.7  | 323.6  | 286.4  | 268.3  | 262.0  |
| 55°   | 12650.6 | 11475.0 | 5553.7 | 1418.4 | 518.6  | 328.8  | 372.3  | 318.9  | 277.3  | 257.4  | 251.1  |
| 57.5° | 13267.7 | 12029.7 | 5906.0 | 1302.8 | 444.5  | 318.1  | 329.9  | 314.5  | 266.4  | 245.6  | 240.4  |
| 60°   | 13513.3 | 12008.1 | 6002.8 | 1148.2 | 408.4  | 309.1  | 288.3  | 352.3  | 257.4  | 236.6  | 230.3  |
| 62.5° | 13380.6 | 11453.4 | 5731.8 | 1039.9 | 400.2  | 297.3  | 270.2  | 326.0  | 250.3  | 230.3  | 221.3  |
| 65°   | 12767.1 | 10470.4 | 5013.5 | 1010.9 | 423.7  | 285.5  | 258.5  | 255.7  | 240.4  | 221.3  | 212.2  |
| 67.5° | 11430.7 | 9001.4  | 4014.1 | 1013.6 | 453.5  | 273.8  | 246.7  | 234.1  | 226.7  | 211.4  | 203.2  |
| 70°   | 9310.4  | 7116.9  | 2992.3 | 1021.0 | 468.8  | 260.1  | 234.1  | 220.5  | 212.2  | 196.9  | 191.5  |
| 72.5° | 6845.8  | 5485.1  | 2173.9 | 974.0  | 471.5  | 244.8  | 216.9  | 205.1  | 196.9  | 180.8  | 176.1  |
| 75°   | 4683.7  | 4195.7  | 1507.9 | 806.9  | 411.1  | 223.2  | 197.8  | 187.1  | 181.6  | 161.6  | 158.9  |
| 77.5° | 3421.4  | 3149.5  | 965.0  | 599.0  | 317.0  | 196.1  | 174.5  | 166.3  | 162.7  | 140.9  | 137.3  |
| 80°   | 2745.8  | 2491.7  | 603.6  | 410.3  | 232.2  | 164.4  | 146.3  | 142.0  | 138.1  | 116.5  | 113.8  |
| 82.5° | 1904.5  | 1668.7  | 387.6  | 266.4  | 174.5  | 127.5  | 115.7  | 113.8  | 108.3  | 88.6   | 85.9   |
| 85°   | 1004.6  | 906.2   | 245.6  | 181.6  | 126.4  | 87.5   | 80.4   | 80.4   | 77.7   | 58.8   | 56.9   |
| 87.5° | 128.3   | 208.7   | 124.7  | 94.9   | 69.5   | 38.8   | 38.8   | 38.0   | 40.8   | 33.4   | 29.0   |
| 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°    | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 |
| 2.5°  | 4487.6 | 4531.0 | 4489.5 | 4492.2 | 4538.2 | 4675.5 | 4737.8 | 4789.2 | 4844.5 | 4880.6 | 4896.7 |
| 5°    | 3252.6 | 3353.8 | 3388.0 | 3460.2 | 3566.9 | 3742.2 | 3811.7 | 3862.3 | 3895.9 | 3915.6 | 3923.8 |
| 7.5°  | 2224.5 | 2285.8 | 2354.4 | 2470.9 | 2703.1 | 2806.3 | 2852.2 | 2840.5 | 2802.7 | 2789.0 | 2775.6 |
| 10°   | 1676.9 | 1652.6 | 1639.7 | 1704.0 | 1891.9 | 1995.8 | 2028.4 | 1996.7 | 1975.9 | 1980.5 | 2002.9 |
| 12.5° | 1299.2 | 1256.8 | 1205.4 | 1198.0 | 1321.9 | 1414.9 | 1435.7 | 1437.3 | 1475.3 | 1508.7 | 1558.5 |
| 15°   | 946.9  | 942.3  | 917.1  | 901.8  | 972.1  | 1048.1 | 1057.1 | 1073.3 | 1107.7 | 1132.1 | 1175.3 |
| 17.5° | 667.6  | 692.0  | 712.0  | 721.8  | 775.1  | 829.3  | 819.5  | 811.2  | 805.0  | 805.0  | 825.7  |
| 20°   | 538.6  | 554.7  | 580.1  | 608.8  | 663.3  | 701.0  | 676.7  | 644.1  | 620.6  | 613.5  | 616.2  |
| 22.5° | 485.2  | 497.8  | 512.3  | 537.5  | 586.4  | 612.7  | 586.4  | 562.9  | 539.4  | 531.2  | 528.4  |
| 25°   | 458.1  | 474.3  | 488.0  | 506.8  | 542.9  | 561.0  | 535.8  | 518.6  | 504.1  | 494.2  | 486.9  |
| 27.5° | 442.8  | 457.0  | 460.9  | 469.9  | 500.5  | 516.7  | 504.1  | 497.0  | 488.0  | 478.9  | 469.9  |
| 30°   | 426.4  | 423.7  | 417.4  | 418.2  | 442.8  | 459.0  | 458.1  | 459.8  | 459.0  | 456.2  | 454.6  |
| 32.5° | 389.5  | 384.0  | 378.5  | 384.0  | 406.4  | 420.9  | 422.0  | 425.6  | 425.6  | 424.8  | 431.9  |
| 35°   | 324.4  | 334.2  | 340.5  | 356.9  | 384.0  | 396.6  | 391.1  | 382.1  | 366.0  | 355.8  | 355.0  |
| 37.5° | 300.0  | 301.7  | 312.6  | 335.1  | 365.1  | 376.6  | 368.7  | 347.9  | 337.0  | 335.1  | 337.8  |
| 40°   | 288.3  | 289.9  | 296.2  | 317.0  | 346.8  | 358.6  | 351.5  | 336.1  | 326.0  | 325.2  | 329.9  |
| 42.5° | 280.1  | 282.0  | 285.5  | 300.0  | 324.4  | 338.9  | 339.7  | 328.8  | 317.0  | 318.1  | 322.5  |
| 45°   | 275.4  | 276.5  | 275.4  | 282.8  | 305.2  | 322.5  | 329.9  | 322.5  | 312.6  | 314.5  | 319.7  |
| 47.5° | 274.6  | 271.9  | 268.3  | 270.2  | 293.8  | 310.7  | 319.7  | 317.0  | 312.6  | 314.5  | 318.9  |
| 50°   | 271.1  | 264.8  | 260.1  | 259.3  | 282.8  | 300.9  | 309.1  | 309.1  | 310.7  | 314.5  | 318.9  |
| 52.5° | 260.1  | 253.0  | 253.0  | 250.3  | 275.4  | 292.7  | 298.1  | 299.0  | 301.7  | 308.0  | 314.5  |
| 55°   | 246.7  | 244.0  | 246.7  | 242.1  | 270.2  | 286.4  | 289.1  | 291.0  | 292.7  | 298.1  | 307.2  |
| 57.5° | 234.9  | 231.4  | 237.7  | 235.8  | 265.6  | 280.1  | 280.1  | 283.6  | 283.6  | 291.0  | 298.1  |
| 60°   | 228.7  | 221.3  | 224.0  | 225.9  | 259.3  | 274.6  | 273.0  | 276.5  | 278.2  | 284.7  | 289.9  |
| 62.5° | 220.5  | 214.2  | 214.2  | 218.5  | 252.2  | 266.4  | 265.6  | 268.3  | 275.4  | 277.3  | 282.8  |
| 65°   | 210.6  | 207.9  | 205.1  | 210.6  | 244.8  | 257.4  | 258.5  | 262.0  | 268.3  | 270.2  | 274.6  |
| 67.5° | 200.5  | 201.6  | 196.1  | 201.6  | 238.5  | 248.4  | 248.4  | 255.7  | 258.5  | 262.0  | 266.4  |
| 70°   | 189.8  | 190.6  | 186.0  | 192.6  | 234.1  | 238.5  | 237.7  | 247.5  | 249.4  | 252.2  | 256.6  |
| 72.5° | 176.1  | 176.1  | 174.5  | 183.5  | 226.7  | 228.7  | 226.7  | 234.9  | 235.8  | 238.5  | 240.4  |
| 75°   | 161.6  | 161.6  | 160.0  | 172.6  | 222.4  | 217.7  | 212.2  | 218.5  | 220.5  | 222.4  | 222.4  |
| 77.5° | 142.8  | 144.7  | 144.7  | 160.0  | 206.8  | 213.3  | 195.0  | 198.8  | 201.6  | 202.4  | 199.7  |
| 80°   | 119.3  | 123.9  | 125.5  | 145.5  | 173.4  | 196.9  | 174.5  | 177.0  | 178.1  | 178.1  | 174.5  |
| 82.5° | 91.4   | 99.3   | 103.9  | 125.5  | 132.9  | 165.2  | 151.8  | 154.5  | 151.8  | 146.3  | 144.7  |
| 85°   | 63.2   | 74.1   | 79.6   | 95.7   | 100.4  | 127.5  | 126.4  | 126.4  | 121.2  | 113.8  | 113.0  |
| 87.5° | 34.5   | 40.8   | 44.3   | 56.9   | 68.7   | 85.9   | 93.0   | 90.3   | 85.9   | 81.2   | 82.3   |
| 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°    | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9 | 5552.9  | 5552.9  | 5552.9  | 5552.9  |
| 2.5°  | 4981.8 | 5104.6 | 5300.7 | 5450.6 | 5601.6 | 5747.1 | 5904.4 | 6024.4  | 6126.5  | 6166.4  | 6287.3  |
| 5°    | 4006.2 | 4159.6 | 4344.8 | 4679.0 | 4915.9 | 5176.8 | 5478.8 | 5878.1  | 6031.6  | 6244.1  | 6591.7  |
| 7.5°  | 2832.5 | 2971.5 | 3269.6 | 3539.8 | 3875.2 | 4244.7 | 4651.9 | 5203.1  | 5404.7  | 5745.2  | 6311.6  |
| 10°   | 2115.1 | 2276.7 | 2516.1 | 2743.9 | 3039.3 | 3417.0 | 3885.0 | 4501.2  | 4746.0  | 5115.5  | 5767.9  |
| 12.5° | 1704.0 | 1894.6 | 2148.5 | 2362.6 | 2591.3 | 2857.7 | 3312.3 | 3987.8  | 4316.1  | 4639.4  | 5298.8  |
| 15°   | 1309.0 | 1508.7 | 1744.8 | 2016.6 | 2268.5 | 2556.0 | 3032.2 | 3771.2  | 4148.7  | 4485.9  | 5048.5  |
| 17.5° | 906.2  | 1076.8 | 1374.1 | 1657.8 | 1980.5 | 2348.1 | 2954.5 | 3817.2  | 4267.9  | 4656.6  | 5092.0  |
| 20°   | 642.5  | 739.9  | 983.8  | 1312.9 | 1714.9 | 2176.4 | 2940.0 | 4059.2  | 4645.7  | 5089.3  | 5370.2  |
| 22.5° | 540.2  | 576.3  | 718.3  | 1019.9 | 1484.4 | 2048.1 | 2990.6 | 4398.9  | 5155.2  | 5721.7  | 5813.8  |
| 25°   | 492.3  | 514.2  | 588.1  | 800.6  | 1279.2 | 1955.1 | 3161.3 | 4904.9  | 5785.9  | 6354.3  | 6337.9  |
| 27.5° | 466.1  | 488.8  | 537.5  | 675.9  | 1125.0 | 1897.4 | 3332.0 | 5505.0  | 6506.9  | 7040.8  | 6838.4  |
| 30°   | 458.1  | 488.8  | 540.2  | 637.0  | 1014.7 | 1806.0 | 3472.0 | 6031.6  | 7061.6  | 7504.4  | 7066.3  |
| 32.5° | 451.8  | 456.2  | 479.7  | 549.2  | 909.7  | 1699.3 | 3566.9 | 6504.2  | 7604.5  | 7945.3  | 7394.2  |
| 35°   | 365.1  | 387.6  | 425.6  | 492.3  | 848.4  | 1635.3 | 3566.9 | 6911.7  | 8139.5  | 8390.6  | 7706.8  |
| 37.5° | 351.5  | 371.4  | 404.8  | 461.7  | 814.0  | 1603.6 | 3495.5 | 7304.8  | 8686.0  | 8895.8  | 7964.2  |
| 40°   | 344.4  | 360.5  | 392.2  | 438.2  | 799.5  | 1567.5 | 3391.6 | 7651.6  | 9219.9  | 9401.5  | 8204.6  |
| 42.5° | 338.9  | 353.4  | 383.2  | 423.7  | 780.6  | 1527.9 | 3307.6 | 7929.7  | 9683.5  | 9833.4  | 8434.1  |
| 45°   | 336.1  | 351.5  | 384.0  | 431.1  | 742.6  | 1475.3 | 3279.7 | 8230.6  | 10064.8 | 10193.9 | 8682.5  |
| 47.5° | 336.1  | 354.2  | 388.4  | 446.4  | 697.5  | 1421.2 | 3367.2 | 8627.5  | 10425.3 | 10488.5 | 8975.1  |
| 50°   | 333.4  | 353.4  | 401.2  | 431.1  | 631.5  | 1352.5 | 3573.2 | 9126.9  | 10815.6 | 10822.7 | 9345.7  |
| 52.5° | 327.9  | 351.5  | 431.9  | 422.0  | 555.5  | 1262.3 | 3851.6 | 9768.6  | 11393.0 | 11436.2 | 9925.6  |
| 55°   | 321.7  | 348.7  | 423.7  | 401.2  | 493.4  | 1154.8 | 4079.2 | 10548.1 | 12204.2 | 12324.3 | 10778.7 |
| 57.5° | 313.4  | 345.2  | 410.3  | 372.3  | 452.7  | 1016.4 | 4161.5 | 11119.2 | 12770.7 | 13072.4 | 11739.8 |
| 60°   | 306.3  | 342.4  | 370.3  | 355.0  | 427.2  | 899.9  | 4002.3 | 11006.2 | 12731.8 | 13382.3 | 12591.8 |
| 62.5° | 299.0  | 345.2  | 337.8  | 344.4  | 415.5  | 824.9  | 3586.9 | 10101.7 | 12087.7 | 13062.5 | 13223.4 |
| 65°   | 291.0  | 320.8  | 318.9  | 335.1  | 413.0  | 795.1  | 2973.4 | 8745.6  | 10842.7 | 12051.6 | 13372.4 |
| 67.5° | 280.1  | 296.2  | 305.2  | 323.6  | 422.0  | 768.9  | 2399.5 | 7214.2  | 9112.4  | 10536.3 | 12595.4 |
| 70°   | 268.3  | 282.0  | 291.8  | 309.1  | 416.6  | 757.1  | 1995.8 | 5689.1  | 7230.6  | 8635.4  | 11062.3 |
| 72.5° | 253.0  | 264.8  | 273.8  | 289.9  | 411.1  | 750.8  | 1685.9 | 4581.6  | 5398.4  | 6414.7  | 8994.3  |
| 75°   | 234.9  | 245.6  | 252.2  | 268.3  | 393.9  | 687.6  | 1325.5 | 3876.8  | 4039.5  | 4462.4  | 7163.6  |
| 77.5° | 214.2  | 222.4  | 227.6  | 245.6  | 348.7  | 571.9  | 958.7  | 2990.6  | 3136.9  | 3239.8  | 5492.2  |
| 80°   | 189.8  | 197.8  | 200.5  | 217.7  | 289.1  | 447.2  | 625.3  | 2208.9  | 2346.2  | 2369.7  | 3586.9  |
| 82.5° | 161.6  | 169.9  | 169.9  | 186.0  | 236.6  | 321.7  | 410.3  | 1513.4  | 1540.4  | 1620.0  | 2535.2  |
| 85°   | 130.2  | 136.5  | 136.5  | 144.7  | 183.5  | 240.4  | 282.0  | 759.8   | 751.6   | 858.3   | 2196.3  |
| 87.5° | 93.0   | 97.6   | 102.0  | 103.9  | 131.0  | 158.9  | 169.9  | 231.4   | 152.6   | 175.3   | 1410.2  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P299414

CATALOG NUMBER: GLNA-AF-04-LED-E1-SLR-7030-800

**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5552.9  | 5552.9  | 5552.9  | 5552.9  | 5552.9  | 5552.9  | 5552.9  | 5552.9  |
| 2.5°  | 6378.6  | 6430.1  | 6377.5  | 6339.8  | 6176.2  | 6041.7  | 5861.7  | 5769.5  |
| 5°    | 6856.5  | 6987.5  | 6943.2  | 6784.3  | 6442.6  | 6058.6  | 5622.4  | 5425.4  |
| 7.5°  | 6798.8  | 7103.2  | 7110.3  | 6813.3  | 6310.0  | 5744.4  | 5153.6  | 4873.5  |
| 10°   | 6348.8  | 6738.0  | 6849.4  | 6561.1  | 6027.2  | 5394.8  | 4717.0  | 4397.3  |
| 12.5° | 5846.4  | 6227.7  | 6312.7  | 6213.2  | 5767.1  | 5131.7  | 4444.3  | 4130.6  |
| 15°   | 5435.3  | 5606.2  | 5707.2  | 5794.1  | 5543.9  | 5026.9  | 4428.8  | 4084.7  |
| 17.5° | 5185.0  | 5166.2  | 5195.1  | 5345.8  | 5388.2  | 5147.0  | 4663.7  | 4284.3  |
| 20°   | 5094.8  | 4804.8  | 4797.5  | 5005.3  | 5315.2  | 5433.6  | 5122.7  | 4667.3  |
| 22.5° | 5144.5  | 4674.6  | 4615.0  | 4861.7  | 5354.1  | 5846.4  | 5724.4  | 5205.0  |
| 25°   | 5316.0  | 4685.6  | 4637.4  | 4876.2  | 5494.9  | 6286.5  | 6374.0  | 5900.5  |
| 27.5° | 5586.3  | 4754.2  | 4690.8  | 4935.9  | 5682.0  | 6656.0  | 7013.7  | 6574.8  |
| 30°   | 5842.8  | 4873.5  | 4794.7  | 5053.2  | 5852.7  | 6802.3  | 7406.0  | 7100.4  |
| 32.5° | 6154.6  | 5096.7  | 4958.3  | 5269.0  | 6064.1  | 7035.4  | 7755.5  | 7535.9  |
| 35°   | 6459.9  | 5414.5  | 5243.0  | 5602.4  | 6299.9  | 7325.6  | 8154.8  | 8092.5  |
| 37.5° | 6795.2  | 5830.2  | 5688.3  | 6033.5  | 6622.6  | 7599.1  | 8664.4  | 8744.8  |
| 40°   | 7153.0  | 6381.4  | 6213.2  | 6662.3  | 7123.1  | 7942.6  | 9196.7  | 9389.8  |
| 42.5° | 7513.5  | 6993.0  | 6792.5  | 7247.6  | 7673.2  | 8281.2  | 9651.8  | 9938.4  |
| 45°   | 7926.2  | 7657.1  | 7562.1  | 8054.5  | 8201.9  | 8604.0  | 9987.9  | 10344.1 |
| 47.5° | 8407.0  | 8410.6  | 8563.2  | 8760.1  | 8735.0  | 8968.8  | 10326.0 | 10706.2 |
| 50°   | 8968.0  | 9350.9  | 9688.2  | 9818.9  | 9284.2  | 9361.0  | 10794.8 | 11191.4 |
| 52.5° | 9641.9  | 10475.9 | 10893.3 | 10807.4 | 9876.1  | 9839.7  | 11537.4 | 11859.9 |
| 55°   | 10484.9 | 11666.8 | 12081.4 | 12019.9 | 10556.3 | 10492.0 | 12462.7 | 12650.6 |
| 57.5° | 11460.5 | 12820.5 | 13201.7 | 12925.2 | 11373.0 | 11207.8 | 13228.0 | 13267.7 |
| 60°   | 12318.0 | 13734.8 | 14069.1 | 13762.7 | 12197.1 | 11969.3 | 13705.8 | 13513.3 |
| 62.5° | 12795.0 | 14044.7 | 14279.7 | 13949.8 | 12761.7 | 12780.5 | 13810.6 | 13380.6 |
| 65°   | 12582.0 | 13261.4 | 13337.1 | 13310.1 | 12616.2 | 13251.3 | 13434.0 | 12767.1 |
| 67.5° | 11414.6 | 11280.9 | 11408.3 | 11584.5 | 11369.5 | 12631.5 | 12390.2 | 11430.7 |
| 70°   | 9358.3  | 8623.7  | 8877.7  | 8995.9  | 9093.6  | 10869.8 | 10754.1 | 9310.4  |
| 72.5° | 7052.6  | 6041.7  | 6242.2  | 6217.8  | 6669.4  | 8718.6  | 8363.5  | 6845.8  |
| 75°   | 4997.1  | 4096.4  | 4121.6  | 4111.8  | 4653.9  | 6821.2  | 6056.2  | 4683.7  |
| 77.5° | 3496.3  | 2967.9  | 2981.6  | 3037.4  | 3128.7  | 5144.5  | 4326.7  | 3421.4  |
| 80°   | 2404.2  | 2252.4  | 2327.3  | 2332.0  | 2168.4  | 3455.9  | 3196.6  | 2745.8  |
| 82.5° | 1790.7  | 1565.6  | 1547.5  | 1573.8  | 1699.3  | 2800.0  | 2456.4  | 1904.5  |
| 85°   | 1466.3  | 926.9   | 745.3   | 934.3   | 1506.0  | 2772.9  | 1631.8  | 1004.6  |
| 87.5° | 825.7   | 440.1   | 198.8   | 368.7   | 600.9   | 1835.8  | 471.5   | 128.3   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)