

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: P192220

Luminaire Tested: **GLEON-AF-02-LED-E1-T2R-7050-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P192220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GLEON-AF-02-LED-E1-T2R-7050-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13919 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

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

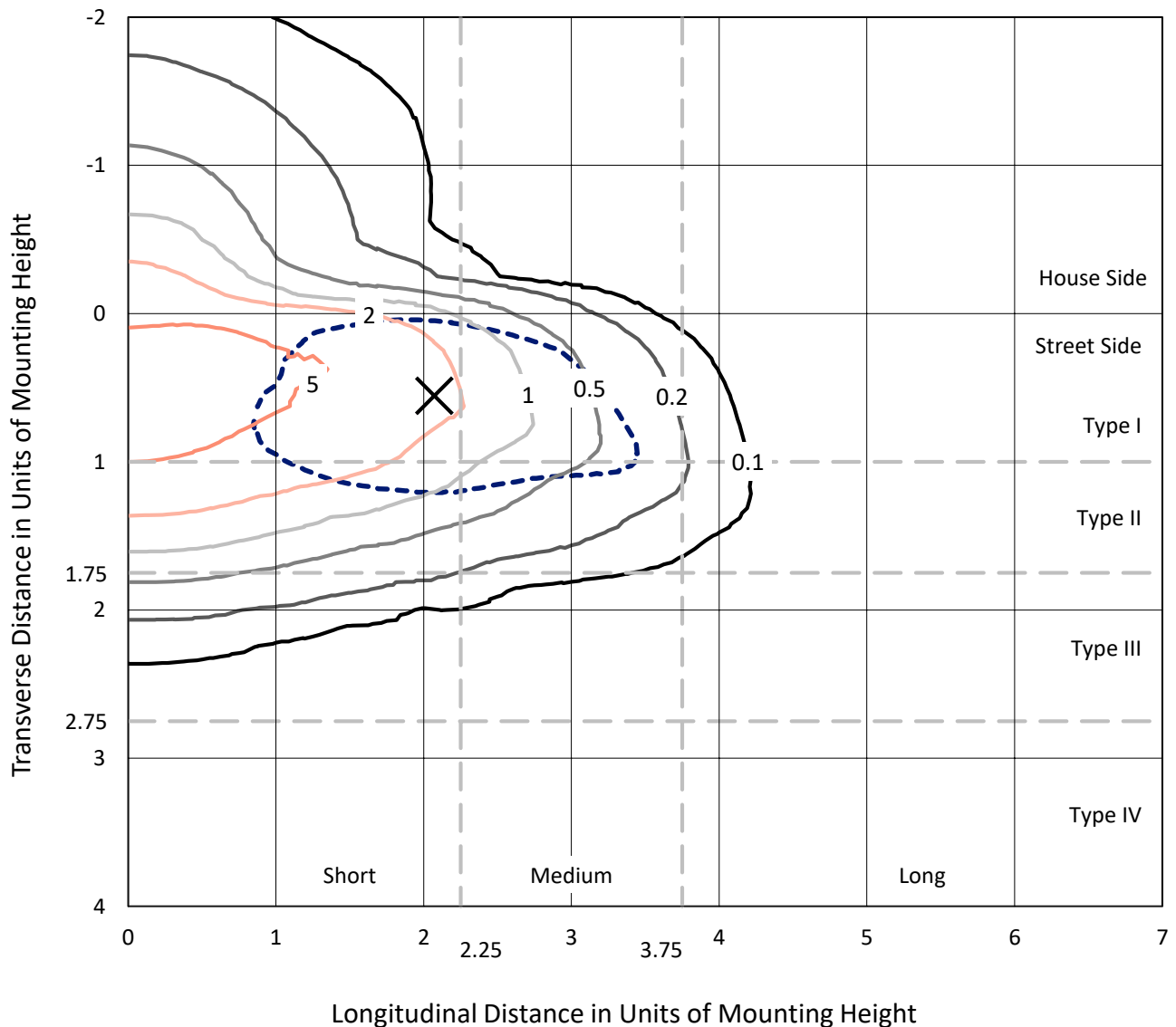


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### Iso-Footcandle Lines of Horizontal Illumination

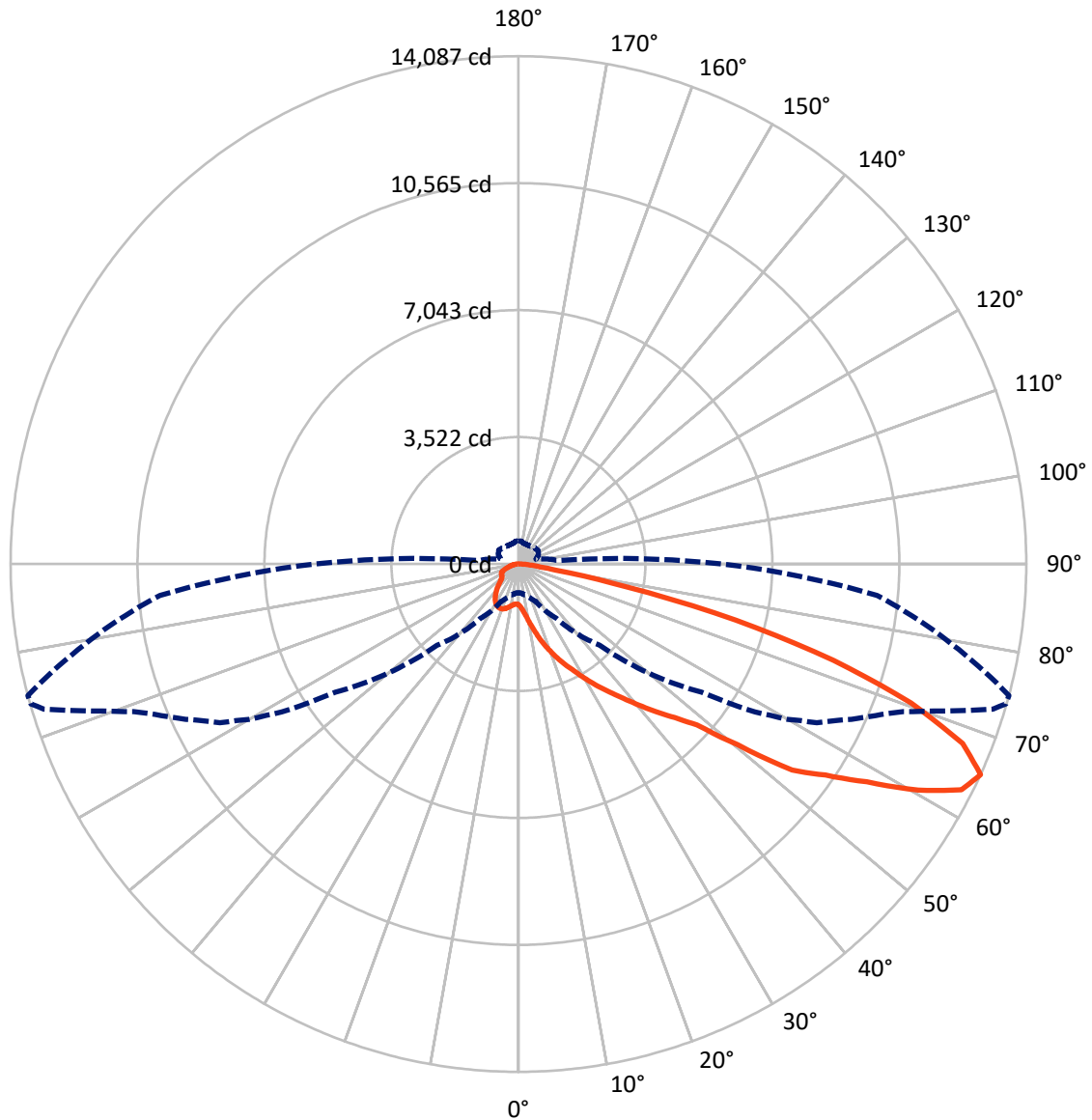
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2146.0   | 0.0    | 2146.0  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 11773.0  | 0.0    | 11773.0 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 13919.0  | 0.0    | 13919.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 139.8   | 1.0       |
| 10°-20°   | 546.3   | 3.9       |
| 20°-30°   | 1120.8  | 8.1       |
| 30°-40°   | 1885.7  | 13.5      |
| 40°-50°   | 2605.6  | 18.7      |
| 50°-60°   | 3252.5  | 23.4      |
| 60°-70°   | 2926.9  | 21.0      |
| 70°-80°   | 1226.9  | 8.8       |
| 80°-90°   | 214.4   | 1.5       |
| 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°    | 13919.0 | 100.0     |
| 0°-180°   | 13919.0 | 100.0     |



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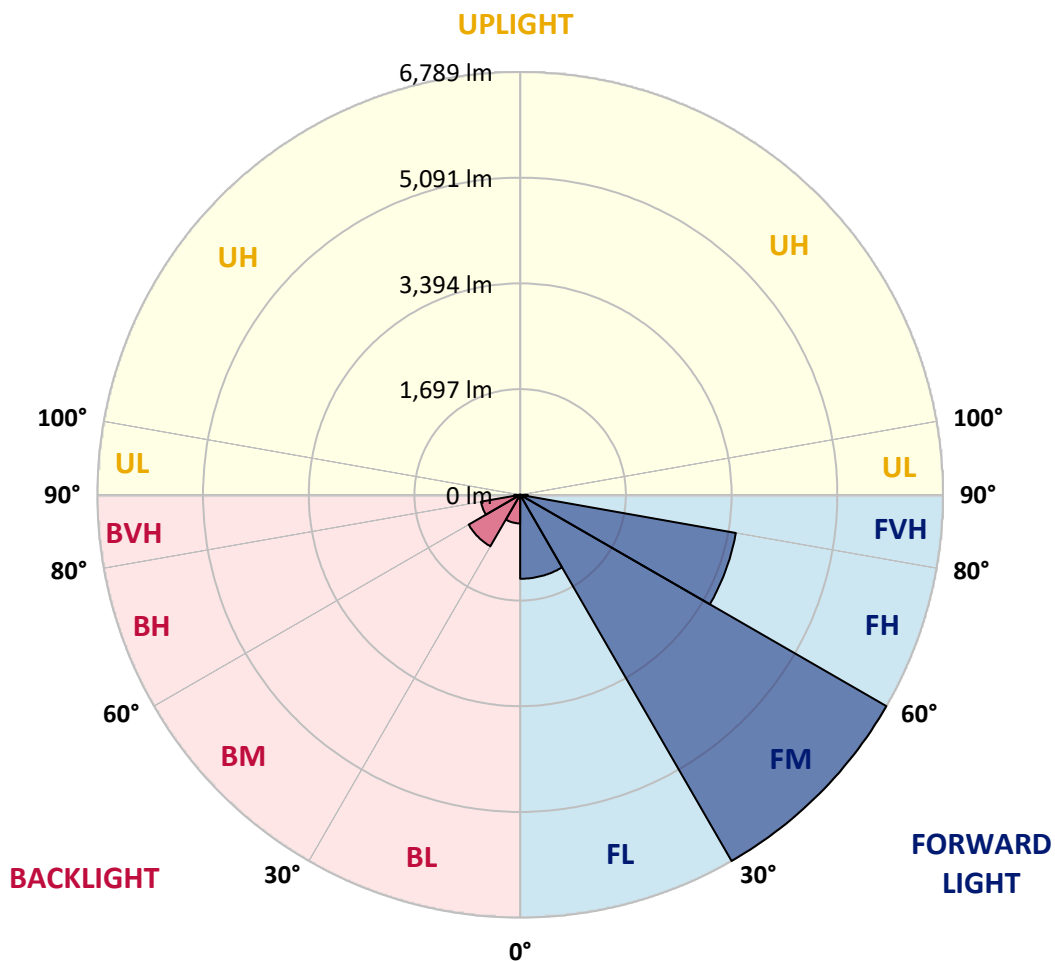
CATALOG NUMBER: GLEON-AF-02-LED-E1-T2R-7050-1200

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1348.0 | 9.7       |                         |      |         |
| FM (30°-60°)   | 6788.6 | 48.8      |                         |      |         |
| FH (60°-80°)   | 3515.9 | 25.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 120.5  | 0.9       |                         |      | G2/225  |
| BL (0°-30°)    | 458.9  | 3.3       | B1/500                  |      |         |
| BM (30°-60°)   | 955.2  | 6.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 638.0  | 4.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 93.9   | 0.7       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 |
| 2.5°  | 1436.2 | 1420.4 | 1424.4 | 1398.0 | 1365.7 | 1323.6 | 1276.8 | 1276.1 | 1276.8 | 1272.2 | 1255.0 |
| 5°    | 1991.6 | 1972.5 | 1965.2 | 1906.0 | 1819.0 | 1695.1 | 1560.7 | 1546.2 | 1540.3 | 1525.2 | 1490.2 |
| 7.5°  | 2396.8 | 2386.2 | 2375.0 | 2330.2 | 2251.2 | 2112.8 | 1932.3 | 1901.3 | 1871.7 | 1864.4 | 1824.9 |
| 10°   | 2658.3 | 2655.7 | 2632.0 | 2620.1 | 2570.7 | 2450.8 | 2274.9 | 2245.2 | 2213.0 | 2201.8 | 2160.3 |
| 12.5° | 2865.2 | 2864.5 | 2853.3 | 2856.6 | 2813.8 | 2726.8 | 2575.3 | 2548.3 | 2524.6 | 2490.3 | 2460.7 |
| 15°   | 3008.1 | 3008.8 | 3025.3 | 3043.7 | 3037.1 | 2978.5 | 2836.2 | 2824.3 | 2803.9 | 2780.2 | 2745.3 |
| 17.5° | 3125.4 | 3128.7 | 3145.8 | 3179.4 | 3215.7 | 3211.1 | 3098.4 | 3088.5 | 3070.7 | 3038.5 | 3020.0 |
| 20°   | 3390.3 | 3402.8 | 3369.8 | 3369.8 | 3373.8 | 3391.6 | 3337.6 | 3329.6 | 3304.6 | 3287.5 | 3273.0 |
| 22.5° | 3837.6 | 3852.1 | 3777.6 | 3701.9 | 3627.4 | 3573.4 | 3519.4 | 3529.3 | 3512.1 | 3500.3 | 3491.7 |
| 25°   | 4418.7 | 4429.9 | 4309.3 | 4181.5 | 4030.0 | 3832.3 | 3698.6 | 3692.7 | 3683.4 | 3676.2 | 3672.2 |
| 27.5° | 4965.5 | 4970.1 | 4856.1 | 4669.0 | 4493.1 | 4209.2 | 3880.4 | 3873.2 | 3862.0 | 3848.1 | 3836.3 |
| 30°   | 5433.2 | 5431.9 | 5314.7 | 5136.1 | 4947.7 | 4633.4 | 4156.5 | 4134.1 | 4101.1 | 4063.6 | 4034.6 |
| 32.5° | 5838.4 | 5836.4 | 5708.0 | 5522.8 | 5325.2 | 5053.8 | 4534.6 | 4488.5 | 4437.1 | 4364.0 | 4319.8 |
| 35°   | 6157.3 | 6156.0 | 6034.7 | 5841.7 | 5615.1 | 5449.7 | 4968.1 | 4911.5 | 4846.2 | 4748.1 | 4680.2 |
| 37.5° | 6277.8 | 6277.8 | 6210.0 | 6078.2 | 5877.9 | 5764.6 | 5449.7 | 5381.2 | 5311.4 | 5200.0 | 5123.6 |
| 40°   | 6207.4 | 6208.7 | 6223.2 | 6198.8 | 6101.3 | 6014.3 | 5899.0 | 5858.2 | 5798.2 | 5698.1 | 5618.4 |
| 42.5° | 5970.8 | 5978.1 | 6074.3 | 6192.2 | 6241.0 | 6227.1 | 6297.6 | 6279.2 | 6237.0 | 6159.9 | 6096.7 |
| 45°   | 5671.1 | 5693.5 | 5798.9 | 6021.6 | 6279.8 | 6410.9 | 6631.6 | 6633.6 | 6625.7 | 6584.2 | 6535.4 |
| 47.5° | 5259.3 | 5290.9 | 5430.0 | 5731.0 | 6188.9 | 6589.5 | 6970.9 | 6988.7 | 7005.2 | 6978.2 | 6955.8 |
| 50°   | 4712.5 | 4750.1 | 4958.2 | 5357.5 | 6003.8 | 6774.6 | 7611.9 | 7692.3 | 7767.4 | 7758.2 | 7773.4 |
| 52.5° | 4126.8 | 4171.0 | 4425.9 | 4870.6 | 5685.6 | 6817.4 | 8021.7 | 8152.8 | 8283.9 | 8391.3 | 8505.3 |
| 55°   | 3598.4 | 3574.7 | 3829.7 | 4298.1 | 5162.5 | 6624.4 | 8390.0 | 8548.1 | 8694.4 | 8826.1 | 8961.9 |
| 57.5° | 2882.3 | 2921.2 | 3176.8 | 3640.0 | 4470.1 | 6079.5 | 8643.7 | 8874.9 | 9085.1 | 9303.1 | 9495.5 |
| 60°   | 2106.9 | 2145.8 | 2423.1 | 2893.5 | 3718.4 | 5253.4 | 8450.0 | 8800.4 | 9137.1 | 9471.1 | 9732.0 |
| 62.5° | 1272.2 | 1301.2 | 1545.6 | 1993.6 | 2867.2 | 4273.7 | 7586.9 | 8046.8 | 8542.2 | 8941.4 | 9341.3 |
| 65°   | 791.9  | 808.4  | 898.6  | 1145.0 | 1841.4 | 3190.6 | 6198.8 | 6700.1 | 7233.8 | 7740.4 | 8156.1 |
| 67.5° | 648.3  | 654.2  | 670.7  | 723.4  | 1011.3 | 2080.5 | 4613.7 | 5057.7 | 5539.3 | 6029.5 | 6492.0 |
| 70°   | 583.1  | 579.1  | 579.1  | 582.4  | 648.3  | 1118.7 | 3020.7 | 3309.9 | 3711.1 | 4137.4 | 4560.3 |
| 72.5° | 526.4  | 522.4  | 515.2  | 505.3  | 529.0  | 682.5  | 1561.4 | 1779.5 | 2068.7 | 2447.5 | 2852.7 |
| 75°   | 473.0  | 467.8  | 459.2  | 446.7  | 463.1  | 515.2  | 749.7  | 841.3  | 982.3  | 1183.9 | 1409.9 |
| 77.5° | 417.7  | 411.1  | 403.2  | 394.0  | 415.1  | 400.6  | 439.4  | 472.4  | 526.4  | 591.0  | 675.9  |
| 80°   | 355.1  | 349.2  | 346.5  | 341.9  | 367.0  | 305.0  | 310.3  | 330.7  | 362.3  | 397.3  | 436.8  |
| 82.5° | 278.0  | 278.0  | 288.6  | 290.5  | 318.2  | 219.4  | 231.9  | 249.7  | 266.2  | 284.6  | 303.1  |
| 85°   | 183.2  | 184.5  | 220.0  | 233.9  | 251.0  | 147.6  | 173.9  | 179.9  | 193.0  | 203.6  | 211.5  |
| 87.5° | 57.3   | 61.9   | 134.4  | 148.9  | 144.3  | 83.7   | 106.7  | 109.4  | 118.6  | 125.8  | 132.4  |
| 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):**

|       | 60°    | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1131.2 | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  |
| 2.5°  | 1255.0 | 1247.1  | 1239.9  | 1239.2  | 1234.0  | 1226.7  | 1229.3  | 1218.1  | 1218.8  | 1212.9  | 1206.3  |
| 5°    | 1475.7 | 1470.5  | 1444.1  | 1436.9  | 1417.1  | 1404.6  | 1402.6  | 1376.3  | 1373.0  | 1357.8  | 1341.3  |
| 7.5°  | 1793.3 | 1776.2  | 1739.3  | 1721.5  | 1687.9  | 1662.8  | 1651.0  | 1616.1  | 1598.9  | 1559.4  | 1541.6  |
| 10°   | 2126.0 | 2104.3  | 2058.8  | 2033.8  | 2001.5  | 1961.3  | 1939.6  | 1888.8  | 1869.1  | 1832.8  | 1789.3  |
| 12.5° | 2434.3 | 2412.6  | 2365.8  | 2346.7  | 2303.9  | 2261.1  | 2237.3  | 2180.0  | 2154.3  | 2096.3  | 2062.1  |
| 15°   | 2719.6 | 2697.8  | 2657.0  | 2637.2  | 2594.4  | 2559.5  | 2527.9  | 2471.2  | 2440.9  | 2386.9  | 2342.1  |
| 17.5° | 2996.3 | 2973.2  | 2937.7  | 2919.9  | 2878.4  | 2842.8  | 2808.5  | 2755.2  | 2724.2  | 2670.2  | 2630.0  |
| 20°   | 3253.2 | 3236.1  | 3210.4  | 3186.7  | 3145.2  | 3112.9  | 3072.1  | 3025.9  | 2981.1  | 2941.6  | 2903.4  |
| 22.5° | 3477.2 | 3470.6  | 3443.0  | 3432.4  | 3396.8  | 3369.2  | 3333.6  | 3288.1  | 3255.9  | 3205.8  | 3170.2  |
| 25°   | 3670.3 | 3668.3  | 3655.1  | 3651.8  | 3626.8  | 3600.4  | 3592.5  | 3555.0  | 3525.3  | 3481.2  | 3444.3  |
| 27.5° | 3836.3 | 3838.3  | 3835.0  | 3844.2  | 3837.6  | 3825.7  | 3826.4  | 3813.9  | 3796.7  | 3759.9  | 3727.6  |
| 30°   | 4020.7 | 4010.2  | 4016.1  | 4029.3  | 4033.3  | 4034.6  | 4056.3  | 4063.6  | 4062.3  | 4037.9  | 4022.1  |
| 32.5° | 4281.6 | 4256.6  | 4233.5  | 4231.6  | 4244.7  | 4250.0  | 4286.9  | 4306.0  | 4322.5  | 4328.4  | 4331.0  |
| 35°   | 4614.3 | 4564.3  | 4516.2  | 4490.5  | 4468.1  | 4474.0  | 4500.4  | 4531.3  | 4567.6  | 4592.6  | 4622.2  |
| 37.5° | 5033.3 | 4972.1  | 4887.1  | 4826.5  | 4811.3  | 4778.4  | 4795.5  | 4819.9  | 4855.5  | 4894.3  | 4945.7  |
| 40°   | 5541.3 | 5448.4  | 5352.9  | 5272.5  | 5229.0  | 5168.4  | 5167.7  | 5163.1  | 5184.9  | 5221.1  | 5293.6  |
| 42.5° | 6030.1 | 5947.8  | 5846.3  | 5762.0  | 5705.3  | 5624.3  | 5607.8  | 5565.0  | 5574.9  | 5606.5  | 5677.0  |
| 45°   | 6488.0 | 6420.2  | 6358.2  | 6260.7  | 6212.6  | 6125.0  | 6097.3  | 6046.6  | 6018.3  | 6032.8  | 6103.3  |
| 47.5° | 6931.4 | 6887.9  | 6823.3  | 6760.1  | 6723.2  | 6644.8  | 6609.2  | 6573.0  | 6536.8  | 6535.4  | 6609.2  |
| 50°   | 7795.8 | 7772.7  | 7696.3  | 7630.4  | 7648.2  | 7552.0  | 7557.9  | 7460.4  | 7504.6  | 7509.8  | 7664.7  |
| 52.5° | 8608.1 | 8688.4  | 8745.1  | 8814.3  | 8859.1  | 8867.6  | 8897.3  | 8941.4  | 8994.8  | 9100.2  | 9243.8  |
| 55°   | 9073.2 | 9174.0  | 9232.6  | 9285.3  | 9372.3  | 9390.7  | 9440.2  | 9498.8  | 9545.6  | 9664.2  | 9786.0  |
| 57.5° | 9625.9 | 9813.0  | 9904.0  | 9987.6  | 10104.9 | 10149.7 | 10232.1 | 10296.0 | 10356.6 | 10496.9 | 10644.5 |
| 60°   | 9966.6 | 10194.5 | 10379.6 | 10512.0 | 10659.0 | 10764.4 | 10888.9 | 10989.0 | 11131.3 | 11299.3 | 11519.4 |
| 62.5° | 9695.8 | 10030.5 | 10276.2 | 10503.5 | 10703.1 | 10904.7 | 11083.2 | 11270.3 | 11486.4 | 11740.7 | 12082.0 |
| 65°   | 8617.3 | 8957.9  | 9378.9  | 9614.7  | 9878.9  | 10189.9 | 10461.3 | 10764.4 | 11058.9 | 11429.1 | 11933.8 |
| 67.5° | 6937.3 | 7333.3  | 7806.3  | 8044.1  | 8347.8  | 8695.0  | 8999.4  | 9369.7  | 9713.6  | 10162.2 | 10786.1 |
| 70°   | 5000.4 | 5512.3  | 5910.2  | 6158.6  | 6513.0  | 6870.8  | 7164.6  | 7595.5  | 7880.1  | 8339.9  | 8984.9  |
| 72.5° | 3166.3 | 3570.1  | 4057.6  | 4370.6  | 4685.5  | 5047.8  | 5348.3  | 5719.8  | 5985.3  | 6404.3  | 6988.7  |
| 75°   | 1702.4 | 2000.2  | 2428.4  | 2725.5  | 3062.8  | 3372.5  | 3724.3  | 3973.3  | 4169.6  | 4501.0  | 4975.4  |
| 77.5° | 797.8  | 979.0   | 1195.7  | 1424.4  | 1653.0  | 1891.5  | 2123.4  | 2325.0  | 2409.3  | 2599.0  | 2879.0  |
| 80°   | 484.2  | 542.9   | 606.1   | 676.6   | 772.1   | 849.2   | 951.3   | 1025.1  | 1030.4  | 1090.3  | 1176.0  |
| 82.5° | 323.5  | 345.2   | 364.3   | 382.1   | 406.5   | 425.6   | 447.3   | 473.0   | 483.6   | 497.4   | 525.1   |
| 85°   | 220.7  | 231.2   | 235.2   | 246.4   | 243.8   | 250.3   | 258.9   | 267.5   | 272.1   | 271.4   | 283.9   |
| 87.5° | 135.7  | 141.0   | 143.6   | 146.3   | 144.3   | 141.6   | 145.6   | 150.2   | 151.5   | 147.6   | 148.9   |
| 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):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°    | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2  | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 |
| 2.5°  | 1207.6  | 1201.7  | 1195.7  | 1191.8  | 1190.5  | 1155.6  | 1140.4 | 1130.5 | 1109.4 | 1092.3 | 1078.5 |
| 5°    | 1332.1  | 1319.6  | 1309.7  | 1297.9  | 1291.3  | 1203.0  | 1170.7 | 1148.3 | 1111.4 | 1089.7 | 1069.9 |
| 7.5°  | 1532.4  | 1497.5  | 1477.1  | 1454.0  | 1434.2  | 1274.8  | 1221.4 | 1186.5 | 1135.1 | 1106.2 | 1083.8 |
| 10°   | 1759.7  | 1723.5  | 1691.2  | 1655.6  | 1624.6  | 1370.3  | 1292.6 | 1238.6 | 1170.7 | 1133.2 | 1103.5 |
| 12.5° | 2013.3  | 1977.8  | 1936.9  | 1891.5  | 1851.9  | 1491.6  | 1383.5 | 1306.4 | 1213.5 | 1163.5 | 1122.0 |
| 15°   | 2313.1  | 2250.5  | 2201.1  | 2148.4  | 2102.3  | 1636.5  | 1489.6 | 1382.9 | 1259.0 | 1191.1 | 1135.8 |
| 17.5° | 2591.8  | 2525.9  | 2458.7  | 2412.6  | 2359.2  | 1799.2  | 1596.3 | 1460.6 | 1296.5 | 1208.9 | 1138.4 |
| 20°   | 2863.9  | 2792.1  | 2734.1  | 2672.2  | 2616.2  | 1967.9  | 1710.3 | 1529.1 | 1320.9 | 1209.6 | 1122.0 |
| 22.5° | 3103.7  | 3058.9  | 2994.3  | 2927.1  | 2870.5  | 2136.5  | 1817.0 | 1587.1 | 1330.1 | 1194.4 | 1093.0 |
| 25°   | 3376.4  | 3329.0  | 3249.9  | 3193.3  | 3130.0  | 2308.5  | 1921.8 | 1631.9 | 1324.9 | 1166.1 | 1048.2 |
| 27.5° | 3667.6  | 3614.9  | 3533.9  | 3474.6  | 3398.2  | 2487.0  | 2017.9 | 1664.2 | 1305.1 | 1120.0 | 988.2  |
| 30°   | 3971.3  | 3923.2  | 3843.5  | 3783.6  | 3706.5  | 2676.1  | 2125.3 | 1685.9 | 1265.6 | 1056.1 | 918.4  |
| 32.5° | 4297.4  | 4257.3  | 4178.2  | 4115.6  | 4033.3  | 2881.0  | 2225.5 | 1692.5 | 1205.6 | 980.3  | 844.6  |
| 35°   | 4607.1  | 4579.4  | 4512.9  | 4454.2  | 4368.6  | 3074.7  | 2331.5 | 1689.2 | 1134.5 | 897.3  | 777.4  |
| 37.5° | 4955.6  | 4939.1  | 4906.2  | 4831.7  | 4727.0  | 3337.6  | 2458.7 | 1675.4 | 1047.5 | 815.0  | 726.0  |
| 40°   | 5327.2  | 5328.5  | 5292.9  | 5242.2  | 5144.7  | 3656.4  | 2610.2 | 1648.4 | 952.6  | 742.5  | 679.2  |
| 42.5° | 5720.5  | 5740.9  | 5723.8  | 5687.5  | 5594.0  | 3977.9  | 2791.4 | 1615.4 | 860.4  | 672.0  | 633.1  |
| 45°   | 6171.1  | 6196.2  | 6222.5  | 6169.1  | 6078.2  | 4402.2  | 3029.9 | 1572.6 | 760.9  | 613.4  | 601.5  |
| 47.5° | 6690.9  | 6730.5  | 6754.2  | 6754.8  | 6663.9  | 4927.9  | 3417.3 | 1546.9 | 672.6  | 573.8  | 586.3  |
| 50°   | 7787.8  | 7800.4  | 7856.4  | 7953.9  | 7884.0  | 6144.8  | 4093.9 | 1531.1 | 612.7  | 549.5  | 575.1  |
| 52.5° | 9368.3  | 9506.0  | 9602.9  | 9596.3  | 9501.4  | 6917.6  | 4466.8 | 1449.4 | 577.1  | 540.2  | 569.9  |
| 55°   | 10012.0 | 10184.0 | 10363.2 | 10410.6 | 10336.8 | 7577.0  | 4819.2 | 1367.7 | 560.0  | 546.8  | 571.9  |
| 57.5° | 10869.8 | 11159.7 | 11405.4 | 11508.8 | 11402.1 | 8421.0  | 5283.0 | 1324.9 | 554.7  | 564.6  | 584.4  |
| 60°   | 11871.8 | 12230.2 | 12553.1 | 12738.8 | 12738.8 | 9390.7  | 5764.0 | 1307.1 | 547.5  | 591.0  | 605.5  |
| 62.5° | 12515.5 | 13041.9 | 13529.4 | 13801.5 | 13793.6 | 10066.0 | 5977.4 | 1246.5 | 531.0  | 609.4  | 634.4  |
| 65°   | 12518.1 | 13144.0 | 13765.3 | 14071.0 | 14086.8 | 9983.0  | 5625.0 | 1100.9 | 500.7  | 612.0  | 663.4  |
| 67.5° | 11474.6 | 12142.0 | 12866.0 | 13207.9 | 13287.0 | 9189.8  | 4869.3 | 905.2  | 451.3  | 585.7  | 674.0  |
| 70°   | 9691.2  | 10342.7 | 11081.9 | 11417.9 | 11558.2 | 7834.0  | 3921.9 | 697.7  | 388.0  | 527.7  | 652.2  |
| 72.5° | 7635.0  | 8274.1  | 8788.6  | 9034.3  | 9143.7  | 5988.0  | 2856.0 | 527.1  | 318.2  | 444.7  | 593.6  |
| 75°   | 5405.6  | 5885.2  | 6158.6  | 6213.3  | 6230.4  | 3609.6  | 1735.3 | 392.0  | 262.2  | 345.9  | 501.4  |
| 77.5° | 3051.0  | 3256.5  | 3234.1  | 3258.5  | 3055.6  | 1393.4  | 755.7  | 280.7  | 216.1  | 262.9  | 388.7  |
| 80°   | 1191.1  | 1228.0  | 1153.6  | 1130.5  | 1037.0  | 518.5   | 333.4  | 195.7  | 172.6  | 199.0  | 272.1  |
| 82.5° | 525.1   | 542.2   | 526.4   | 530.3   | 507.3   | 267.5   | 199.6  | 141.6  | 131.8  | 145.6  | 180.5  |
| 85°   | 289.2   | 294.5   | 293.2   | 301.7   | 289.2   | 106.7   | 94.9   | 87.0   | 92.2   | 98.8   | 116.0  |
| 87.5° | 141.0   | 142.3   | 137.7   | 144.9   | 140.3   | 54.0    | 46.8   | 49.4   | 54.0   | 55.3   | 55.3   |
| 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: P192220

CATALOG NUMBER: GLEON-AF-02-LED-E1-T2R-7050-1200

**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 | 1131.2 |
| 2.5°  | 1068.6 | 1063.3 | 1064.0 | 1062.7 | 1060.0 | 1060.0 |
| 5°    | 1059.4 | 1054.1 | 1054.1 | 1052.8 | 1049.5 | 1050.2 |
| 7.5°  | 1068.6 | 1060.0 | 1056.7 | 1052.1 | 1047.5 | 1047.5 |
| 10°   | 1079.1 | 1064.0 | 1054.8 | 1046.9 | 1040.9 | 1040.9 |
| 12.5° | 1087.0 | 1063.3 | 1048.2 | 1037.6 | 1031.7 | 1031.7 |
| 15°   | 1089.7 | 1058.7 | 1037.6 | 1025.1 | 1019.8 | 1019.2 |
| 17.5° | 1081.1 | 1040.9 | 1015.2 | 1000.7 | 994.2  | 992.2  |
| 20°   | 1054.8 | 1008.6 | 977.7  | 961.2  | 952.0  | 948.7  |
| 22.5° | 1015.2 | 962.5  | 926.3  | 909.2  | 897.3  | 895.3  |
| 25°   | 959.9  | 903.2  | 867.7  | 851.2  | 844.6  | 842.6  |
| 27.5° | 895.3  | 842.6  | 812.3  | 801.8  | 795.8  | 795.2  |
| 30°   | 834.1  | 789.3  | 766.9  | 759.0  | 751.7  | 750.4  |
| 32.5° | 776.7  | 748.4  | 739.8  | 728.6  | 711.5  | 709.5  |
| 35°   | 735.9  | 733.3  | 727.3  | 702.3  | 681.2  | 675.3  |
| 37.5° | 710.9  | 735.2  | 704.9  | 655.5  | 640.4  | 639.1  |
| 40°   | 696.4  | 714.8  | 662.8  | 645.6  | 647.0  | 645.6  |
| 42.5° | 663.4  | 682.5  | 664.1  | 656.2  | 661.5  | 662.8  |
| 45°   | 630.5  | 651.6  | 674.0  | 668.7  | 681.2  | 681.2  |
| 47.5° | 612.0  | 643.7  | 673.3  | 673.3  | 691.8  | 698.3  |
| 50°   | 591.0  | 637.1  | 662.8  | 672.0  | 686.5  | 681.2  |
| 52.5° | 589.6  | 625.9  | 647.6  | 664.1  | 670.7  | 664.7  |
| 55°   | 591.6  | 616.7  | 632.5  | 650.9  | 658.8  | 659.5  |
| 57.5° | 594.3  | 611.4  | 621.9  | 630.5  | 654.2  | 654.2  |
| 60°   | 600.8  | 606.8  | 612.7  | 617.3  | 648.3  | 648.9  |
| 62.5° | 611.4  | 602.2  | 600.8  | 605.5  | 645.0  | 642.3  |
| 65°   | 627.9  | 595.6  | 585.7  | 590.3  | 641.7  | 633.8  |
| 67.5° | 650.3  | 585.7  | 566.6  | 569.9  | 639.1  | 621.9  |
| 70°   | 670.7  | 569.9  | 542.9  | 539.6  | 614.0  | 583.7  |
| 72.5° | 672.6  | 551.4  | 509.9  | 500.0  | 533.6  | 504.7  |
| 75°   | 639.7  | 538.9  | 473.7  | 444.7  | 440.7  | 436.8  |
| 77.5° | 576.5  | 531.7  | 431.5  | 386.1  | 378.2  | 380.8  |
| 80°   | 482.3  | 504.7  | 380.8  | 326.8  | 369.6  | 365.0  |
| 82.5° | 360.4  | 445.4  | 323.5  | 289.2  | 288.6  | 255.0  |
| 85°   | 200.3  | 347.2  | 263.5  | 216.8  | 150.9  | 146.3  |
| 87.5° | 56.0   | 193.0  | 184.5  | 122.5  | 83.7   | 87.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)