

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: P301569

Luminaire Tested: **GLNA-AF-02-LED-E1-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P301569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194759)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLNA-AF-02-LED-E1-T2R
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K CCT 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II
Roadway OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12642.2 lumens
Efficiency: N/A
Efficacy: 111.9 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): 113
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

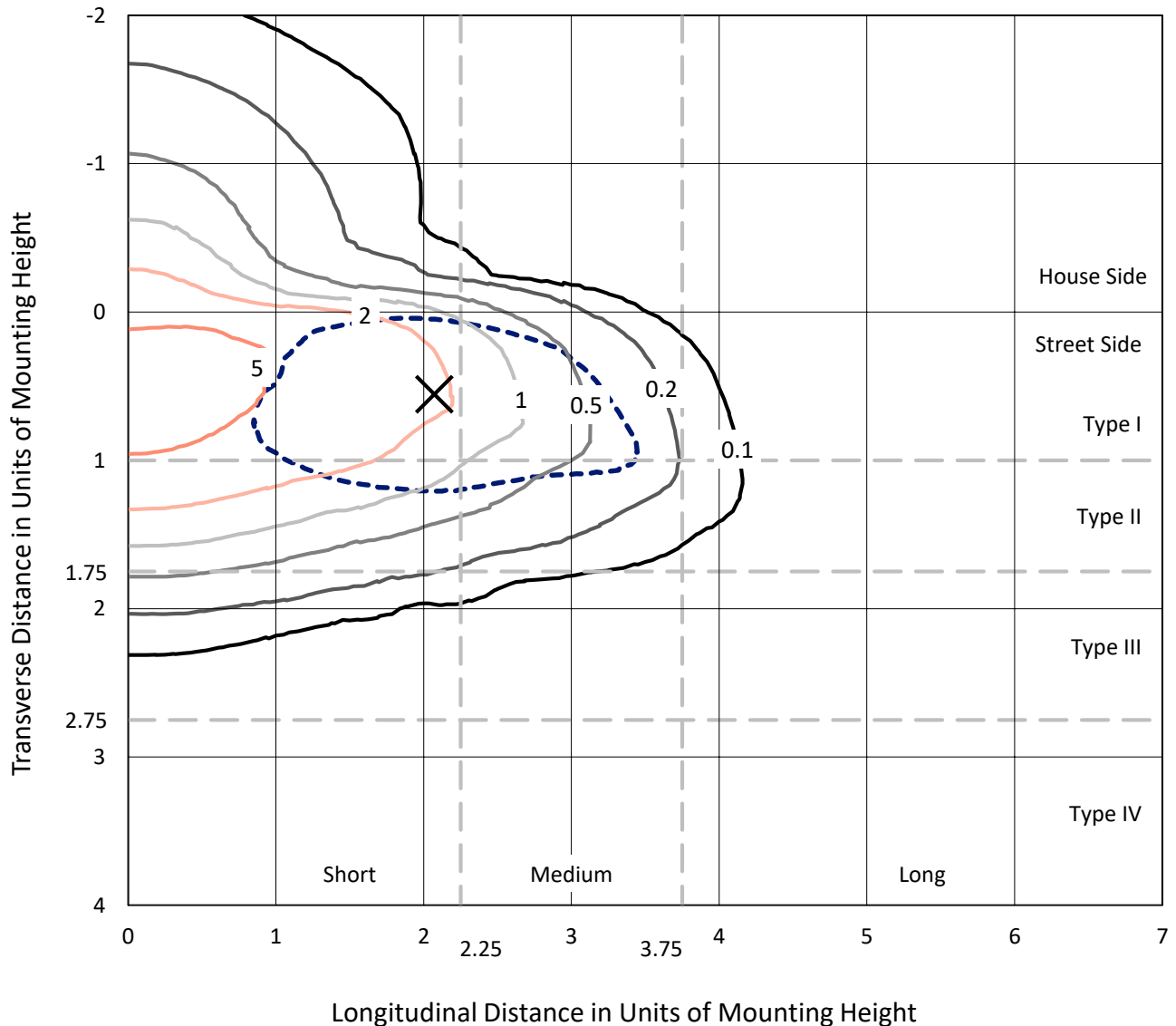


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

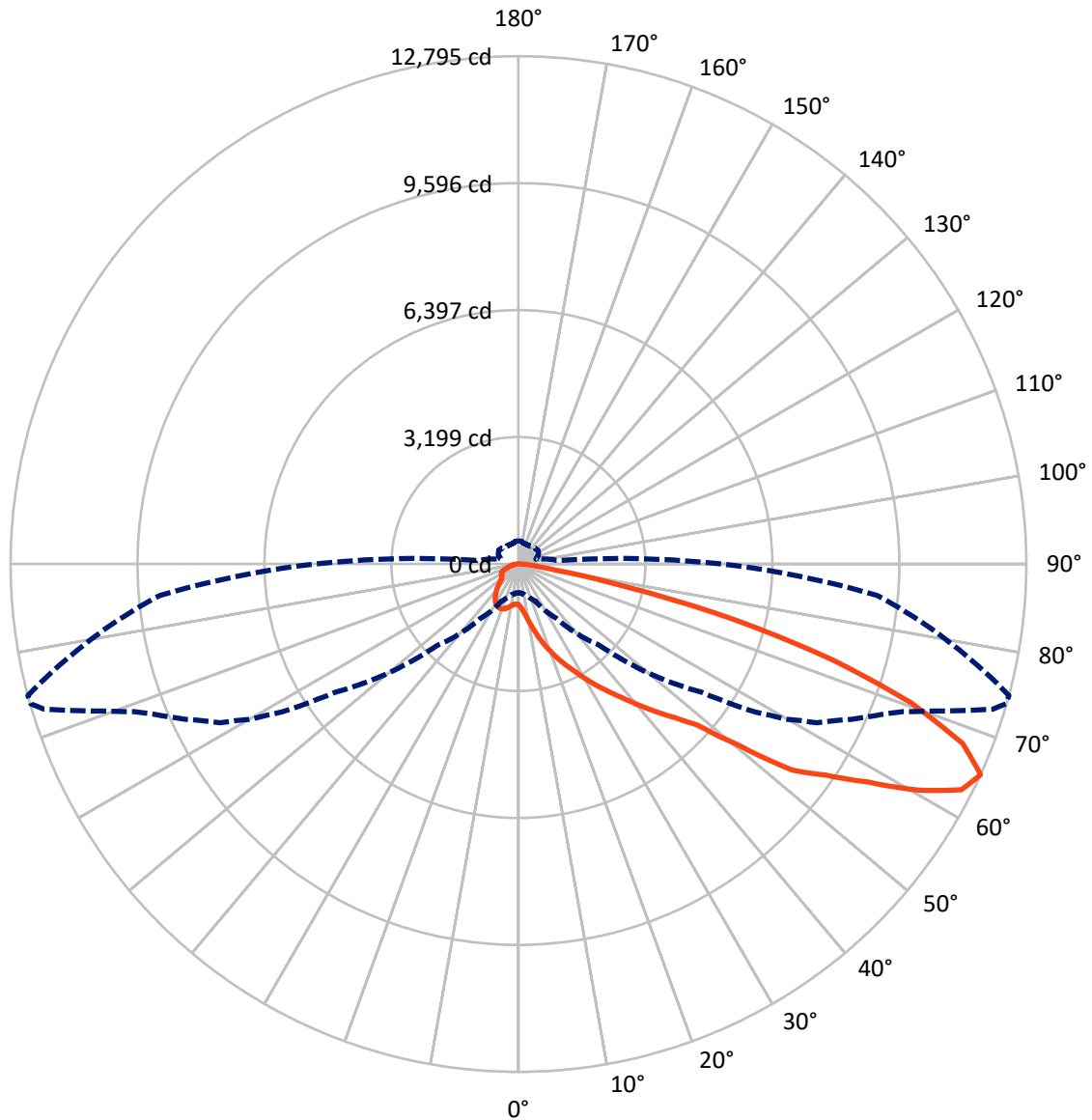


Based on 20 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - Full Cutoff

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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 |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1949.1 | 0.0 | 1949.1 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 10693.1 | 0.0 | 10693.1 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 12642.2 | 0.0 | 12642.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 127.0 | 1.0 |
| 10°-20° | 496.2 | 3.9 |
| 20°-30° | 1018.0 | 8.1 |
| 30°-40° | 1712.8 | 13.5 |
| 40°-50° | 2366.6 | 18.7 |
| 50°-60° | 2954.2 | 23.4 |
| 60°-70° | 2658.4 | 21.0 |
| 70°-80° | 1114.4 | 8.8 |
| 80°-90° | 194.7 | 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° | 12642.2 | 100.0 |
| 0°-180° | 12642.2 | 100.0 |



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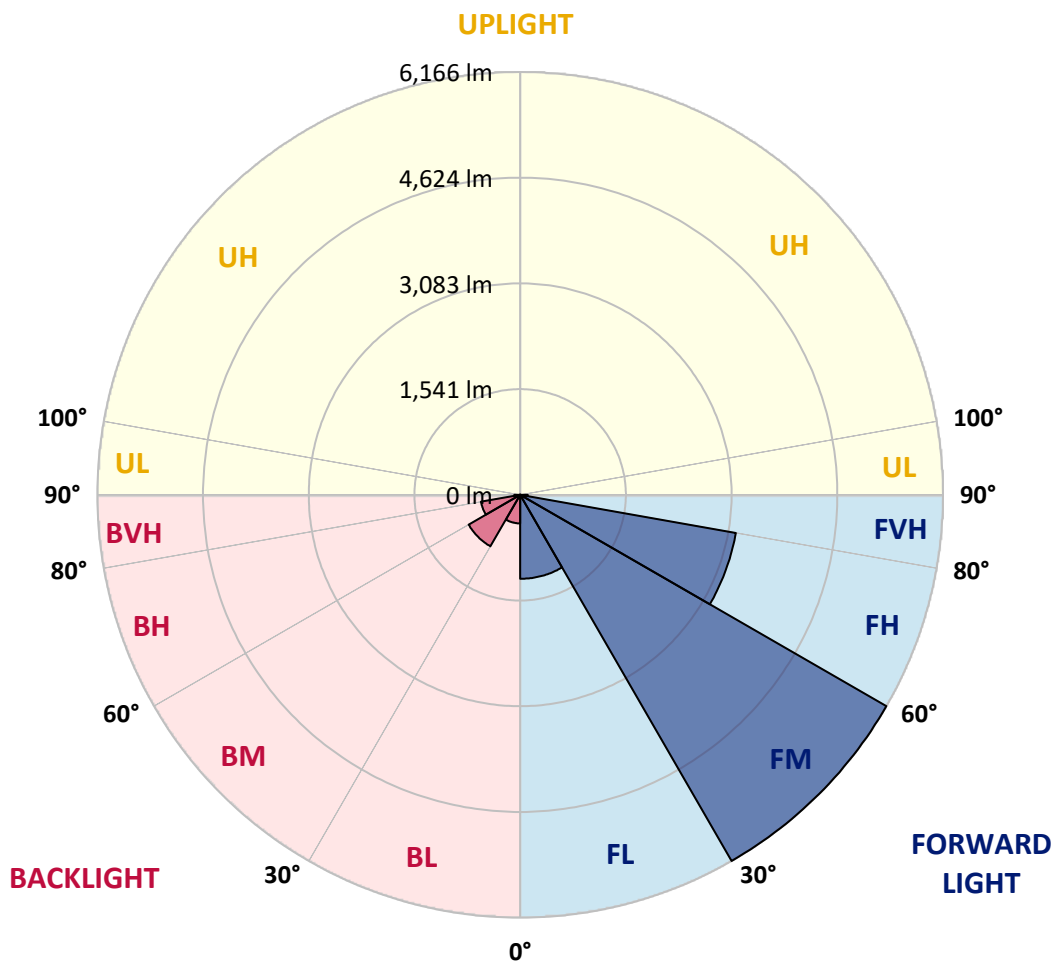
CATALOG NUMBER: GLNA-AF-02-LED-E1-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1224.4 | 9.7 | | | |
| FM (30°-60°) | 6165.9 | 48.8 | | | |
| FH (60°-80°) | 3193.4 | 25.3 | | | G2/5000 |
| FVH (80°-90°) | 109.4 | 0.9 | | | G2/225 |
| BL (0°-30°) | 416.8 | 3.3 | B1/500 | | |
| BM (30°-60°) | 867.6 | 6.9 | B1/1000 | | |
| BH (60°-80°) | 579.5 | 4.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 85.3 | 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° | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5° | 1304.5 | 1290.1 | 1293.7 | 1269.7 | 1240.4 | 1202.1 | 1159.7 | 1159.1 | 1159.7 | 1155.4 | 1140.0 |
| 5° | 1808.8 | 1791.6 | 1785.0 | 1731.1 | 1652.1 | 1539.7 | 1417.6 | 1404.5 | 1399.0 | 1385.3 | 1353.5 |
| 7.5° | 2177.0 | 2167.4 | 2157.1 | 2116.4 | 2044.7 | 1919.1 | 1755.0 | 1727.0 | 1700.0 | 1693.4 | 1657.6 |
| 10° | 2414.5 | 2412.0 | 2390.5 | 2379.7 | 2335.0 | 2226.0 | 2066.2 | 2039.2 | 2009.9 | 1999.8 | 1962.0 |
| 12.5° | 2602.3 | 2601.8 | 2591.6 | 2594.7 | 2555.6 | 2476.8 | 2339.0 | 2314.5 | 2293.1 | 2261.8 | 2235.0 |
| 15° | 2732.2 | 2732.8 | 2747.8 | 2764.5 | 2758.5 | 2705.2 | 2576.0 | 2565.2 | 2546.7 | 2525.3 | 2493.5 |
| 17.5° | 2838.7 | 2841.8 | 2857.2 | 2887.7 | 2920.7 | 2916.5 | 2814.2 | 2805.2 | 2789.0 | 2759.7 | 2743.1 |
| 20° | 3079.3 | 3090.6 | 3060.8 | 3060.8 | 3064.3 | 3080.5 | 3031.3 | 3024.2 | 3001.5 | 2985.9 | 2972.8 |
| 22.5° | 3485.6 | 3498.7 | 3431.1 | 3362.4 | 3294.8 | 3245.6 | 3196.6 | 3205.5 | 3190.0 | 3179.2 | 3171.4 |
| 25° | 4013.3 | 4023.6 | 3914.1 | 3798.0 | 3660.2 | 3480.8 | 3359.4 | 3353.9 | 3345.5 | 3339.0 | 3335.4 |
| 27.5° | 4510.0 | 4514.2 | 4410.8 | 4240.7 | 4080.9 | 3823.0 | 3524.5 | 3517.9 | 3507.8 | 3495.2 | 3484.3 |
| 30° | 4934.9 | 4933.7 | 4827.2 | 4665.0 | 4493.8 | 4208.4 | 3775.3 | 3754.9 | 3724.9 | 3690.8 | 3664.5 |
| 32.5° | 5302.9 | 5301.1 | 5184.3 | 5016.2 | 4836.8 | 4590.2 | 4118.8 | 4076.9 | 4030.2 | 3963.6 | 3923.7 |
| 35° | 5592.4 | 5591.4 | 5481.1 | 5305.9 | 5100.0 | 4949.9 | 4512.5 | 4461.0 | 4401.7 | 4312.6 | 4251.0 |
| 37.5° | 5702.0 | 5702.0 | 5640.4 | 5520.7 | 5338.8 | 5235.8 | 4949.9 | 4887.5 | 4824.2 | 4723.0 | 4653.6 |
| 40° | 5637.9 | 5639.1 | 5652.3 | 5630.2 | 5541.7 | 5462.7 | 5357.9 | 5320.8 | 5266.4 | 5175.5 | 5103.0 |
| 42.5° | 5423.1 | 5429.7 | 5517.2 | 5624.2 | 5668.4 | 5656.0 | 5719.9 | 5703.2 | 5664.9 | 5594.9 | 5537.4 |
| 45° | 5150.8 | 5171.2 | 5266.9 | 5469.2 | 5703.7 | 5822.8 | 6023.3 | 6025.0 | 6017.9 | 5980.3 | 5935.9 |
| 47.5° | 4777.0 | 4805.5 | 4931.9 | 5205.3 | 5621.2 | 5985.1 | 6331.4 | 6347.6 | 6362.7 | 6338.2 | 6317.7 |
| 50° | 4280.3 | 4314.4 | 4503.4 | 4866.1 | 5453.1 | 6153.2 | 6913.6 | 6986.8 | 7054.9 | 7046.6 | 7060.3 |
| 52.5° | 3748.3 | 3788.4 | 4019.9 | 4423.9 | 5164.1 | 6192.1 | 7285.9 | 7405.0 | 7524.1 | 7621.6 | 7725.0 |
| 55° | 3268.3 | 3246.8 | 3478.5 | 3903.8 | 4688.9 | 6016.7 | 7620.5 | 7764.1 | 7896.9 | 8016.5 | 8139.9 |
| 57.5° | 2617.9 | 2653.2 | 2885.4 | 3306.1 | 4060.0 | 5521.8 | 7850.7 | 8060.9 | 8251.7 | 8449.8 | 8624.5 |
| 60° | 1913.6 | 1948.9 | 2200.8 | 2628.0 | 3377.3 | 4771.5 | 7674.8 | 7993.3 | 8298.9 | 8602.3 | 8839.3 |
| 62.5° | 1155.4 | 1181.9 | 1403.7 | 1810.8 | 2604.2 | 3881.8 | 6890.9 | 7308.6 | 7758.6 | 8121.2 | 8484.4 |
| 65° | 719.3 | 734.2 | 816.2 | 1040.0 | 1672.5 | 2898.0 | 5630.2 | 6085.6 | 6570.2 | 7030.4 | 7408.0 |
| 67.5° | 588.8 | 594.1 | 609.2 | 657.0 | 918.4 | 1889.8 | 4190.5 | 4593.8 | 5031.2 | 5476.3 | 5896.5 |
| 70° | 529.5 | 526.0 | 526.0 | 529.0 | 588.8 | 1016.1 | 2743.6 | 3006.3 | 3370.7 | 3757.9 | 4142.0 |
| 72.5° | 478.0 | 474.5 | 467.9 | 459.0 | 480.5 | 619.9 | 1418.1 | 1616.2 | 1878.9 | 2223.0 | 2590.9 |
| 75° | 429.6 | 424.8 | 417.1 | 405.8 | 420.7 | 467.9 | 680.9 | 764.2 | 892.2 | 1075.4 | 1280.6 |
| 77.5° | 379.3 | 373.3 | 366.2 | 357.9 | 377.0 | 363.9 | 399.0 | 429.0 | 478.0 | 536.8 | 614.0 |
| 80° | 322.5 | 317.2 | 314.7 | 310.6 | 333.4 | 277.1 | 281.9 | 300.3 | 329.1 | 360.9 | 396.7 |
| 82.5° | 252.6 | 252.6 | 262.0 | 264.0 | 289.0 | 199.3 | 210.7 | 226.9 | 241.8 | 258.5 | 275.3 |
| 85° | 166.3 | 167.6 | 199.9 | 212.5 | 227.9 | 134.0 | 158.0 | 163.3 | 175.4 | 185.0 | 192.1 |
| 87.5° | 52.0 | 56.3 | 122.1 | 135.3 | 131.0 | 76.0 | 96.9 | 99.4 | 107.7 | 114.3 | 120.4 |
| 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-02-LED-E1-T2R

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5° | 1140.0 | 1132.7 | 1126.1 | 1125.6 | 1120.8 | 1114.2 | 1116.5 | 1106.4 | 1106.9 | 1101.6 | 1095.6 |
| 5° | 1340.4 | 1335.6 | 1311.6 | 1305.1 | 1287.1 | 1275.8 | 1274.0 | 1250.0 | 1247.0 | 1233.3 | 1218.2 |
| 7.5° | 1628.8 | 1613.2 | 1579.7 | 1563.5 | 1533.0 | 1510.3 | 1499.6 | 1467.8 | 1452.2 | 1416.3 | 1400.2 |
| 10° | 1930.9 | 1911.2 | 1869.9 | 1847.2 | 1817.9 | 1781.3 | 1761.6 | 1715.6 | 1697.5 | 1664.7 | 1625.3 |
| 12.5° | 2211.1 | 2191.4 | 2148.8 | 2131.4 | 2092.5 | 2053.6 | 2032.1 | 1980.1 | 1956.7 | 1904.0 | 1872.9 |
| 15° | 2470.0 | 2450.3 | 2413.2 | 2395.3 | 2356.4 | 2324.7 | 2295.9 | 2244.6 | 2217.1 | 2167.9 | 2127.3 |
| 17.5° | 2721.4 | 2700.5 | 2668.1 | 2652.0 | 2614.4 | 2582.1 | 2551.0 | 2502.4 | 2474.3 | 2425.3 | 2388.7 |
| 20° | 2954.8 | 2939.2 | 2915.9 | 2894.3 | 2856.7 | 2827.4 | 2790.3 | 2748.4 | 2707.7 | 2671.7 | 2637.1 |
| 22.5° | 3158.3 | 3152.2 | 3127.2 | 3117.6 | 3085.3 | 3060.1 | 3027.8 | 2986.6 | 2957.1 | 2911.7 | 2879.4 |
| 25° | 3333.6 | 3331.9 | 3319.8 | 3316.8 | 3294.0 | 3270.1 | 3263.0 | 3228.9 | 3201.9 | 3161.8 | 3128.4 |
| 27.5° | 3484.3 | 3486.1 | 3483.3 | 3491.6 | 3485.6 | 3474.7 | 3475.5 | 3464.1 | 3448.5 | 3414.9 | 3385.6 |
| 30° | 3651.9 | 3642.3 | 3647.8 | 3659.7 | 3663.3 | 3664.5 | 3684.2 | 3690.8 | 3689.7 | 3667.5 | 3653.1 |
| 32.5° | 3888.9 | 3866.2 | 3845.2 | 3843.4 | 3855.3 | 3860.1 | 3893.7 | 3911.1 | 3926.0 | 3931.3 | 3933.8 |
| 35° | 4191.0 | 4145.6 | 4101.9 | 4078.6 | 4058.2 | 4063.5 | 4087.5 | 4115.7 | 4148.6 | 4171.3 | 4198.3 |
| 37.5° | 4571.6 | 4516.0 | 4438.8 | 4383.8 | 4369.9 | 4340.1 | 4355.6 | 4377.7 | 4410.0 | 4445.4 | 4492.1 |
| 40° | 5032.9 | 4948.6 | 4861.8 | 4788.9 | 4749.4 | 4694.2 | 4693.7 | 4689.4 | 4709.3 | 4742.2 | 4808.0 |
| 42.5° | 5477.1 | 5402.1 | 5310.0 | 5233.5 | 5182.0 | 5108.4 | 5093.5 | 5054.6 | 5063.5 | 5092.2 | 5156.3 |
| 45° | 5892.8 | 5831.2 | 5774.9 | 5686.5 | 5642.7 | 5563.2 | 5537.9 | 5492.0 | 5466.2 | 5479.4 | 5543.4 |
| 47.5° | 6295.6 | 6256.1 | 6197.4 | 6140.1 | 6106.5 | 6035.3 | 6003.0 | 5970.0 | 5937.2 | 5935.9 | 6003.0 |
| 50° | 7080.7 | 7059.7 | 6990.3 | 6930.5 | 6946.7 | 6859.3 | 6864.7 | 6776.1 | 6816.2 | 6821.0 | 6961.6 |
| 52.5° | 7818.4 | 7891.5 | 7943.0 | 8005.7 | 8046.5 | 8054.3 | 8081.1 | 8121.2 | 8169.7 | 8265.4 | 8395.8 |
| 55° | 8240.9 | 8332.5 | 8385.7 | 8433.7 | 8512.6 | 8529.3 | 8574.2 | 8627.5 | 8669.9 | 8777.7 | 8888.4 |
| 57.5° | 8743.1 | 8912.9 | 8995.5 | 9071.4 | 9178.0 | 9218.6 | 9293.5 | 9351.6 | 9406.6 | 9534.0 | 9668.1 |
| 60° | 9052.3 | 9259.4 | 9427.5 | 9547.7 | 9681.2 | 9777.0 | 9890.1 | 9981.0 | 10110.2 | 10262.9 | 10462.8 |
| 62.5° | 8806.4 | 9110.3 | 9333.6 | 9540.1 | 9721.3 | 9904.5 | 10066.6 | 10236.6 | 10432.8 | 10663.7 | 10973.8 |
| 65° | 7826.9 | 8136.2 | 8518.5 | 8732.8 | 8972.8 | 9255.2 | 9501.7 | 9777.0 | 10044.4 | 10380.8 | 10839.1 |
| 67.5° | 6301.1 | 6660.5 | 7090.3 | 7306.3 | 7582.1 | 7897.4 | 8174.0 | 8510.2 | 8822.6 | 9230.0 | 9796.8 |
| 70° | 4541.8 | 5006.7 | 5368.1 | 5593.7 | 5915.7 | 6240.5 | 6507.5 | 6898.7 | 7157.2 | 7574.9 | 8160.8 |
| 72.5° | 2875.8 | 3242.6 | 3685.5 | 3969.6 | 4255.6 | 4584.9 | 4857.7 | 5195.2 | 5436.2 | 5816.8 | 6347.6 |
| 75° | 1546.3 | 1816.6 | 2205.6 | 2475.5 | 2781.9 | 3063.1 | 3382.6 | 3608.8 | 3787.2 | 4088.2 | 4519.0 |
| 77.5° | 724.6 | 889.1 | 1086.0 | 1293.7 | 1501.4 | 1717.9 | 1928.6 | 2111.7 | 2188.3 | 2360.7 | 2614.9 |
| 80° | 439.9 | 493.1 | 550.5 | 614.5 | 701.3 | 771.3 | 864.1 | 931.0 | 935.8 | 990.3 | 1068.1 |
| 82.5° | 293.8 | 313.5 | 330.9 | 347.0 | 369.2 | 386.6 | 406.3 | 429.6 | 439.2 | 451.8 | 477.0 |
| 85° | 200.4 | 210.0 | 213.5 | 223.8 | 221.4 | 227.4 | 235.2 | 243.0 | 247.1 | 246.6 | 257.9 |
| 87.5° | 123.2 | 128.0 | 130.5 | 132.8 | 131.0 | 128.7 | 132.2 | 136.5 | 137.6 | 134.0 | 135.3 |
| 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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CATALOG NUMBER: GLNA-AF-02-LED-E1-T2R

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 85° | 90° | 95° | 105° | 115° | 125° |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0° | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5° | 1096.8 | 1091.5 | 1086.0 | 1082.5 | 1081.2 | 1049.6 | 1035.8 | 1026.9 | 1007.7 | 992.1 | 979.5 |
| 5° | 1209.9 | 1198.5 | 1189.7 | 1178.8 | 1172.8 | 1092.6 | 1063.3 | 1043.0 | 1009.5 | 989.8 | 971.7 |
| 7.5° | 1391.9 | 1360.1 | 1341.6 | 1320.7 | 1302.7 | 1157.9 | 1109.4 | 1077.7 | 1031.0 | 1004.7 | 984.3 |
| 10° | 1598.3 | 1565.5 | 1536.0 | 1503.7 | 1475.6 | 1244.7 | 1174.0 | 1124.9 | 1063.3 | 1029.2 | 1002.2 |
| 12.5° | 1828.7 | 1796.4 | 1759.3 | 1717.9 | 1682.1 | 1354.8 | 1256.6 | 1186.7 | 1102.2 | 1056.7 | 1019.1 |
| 15° | 2101.0 | 2044.0 | 1999.1 | 1951.4 | 1909.5 | 1486.5 | 1353.0 | 1256.1 | 1143.5 | 1081.9 | 1031.7 |
| 17.5° | 2354.0 | 2294.1 | 2233.2 | 2191.4 | 2142.9 | 1634.2 | 1449.9 | 1326.5 | 1177.6 | 1098.1 | 1034.0 |
| 20° | 2601.2 | 2535.9 | 2483.4 | 2427.1 | 2376.1 | 1787.3 | 1553.4 | 1388.8 | 1199.8 | 1098.6 | 1019.1 |
| 22.5° | 2819.0 | 2778.2 | 2719.6 | 2658.6 | 2607.1 | 1940.5 | 1650.3 | 1441.6 | 1208.1 | 1084.9 | 992.6 |
| 25° | 3066.7 | 3023.7 | 2951.8 | 2900.3 | 2843.0 | 2096.7 | 1745.5 | 1482.2 | 1203.3 | 1059.2 | 952.0 |
| 27.5° | 3331.1 | 3283.4 | 3209.7 | 3155.9 | 3086.5 | 2258.8 | 1832.8 | 1511.5 | 1185.4 | 1017.3 | 897.5 |
| 30° | 3607.0 | 3563.3 | 3490.9 | 3436.6 | 3366.5 | 2430.6 | 1930.4 | 1531.2 | 1149.6 | 959.3 | 834.1 |
| 32.5° | 3903.3 | 3866.7 | 3795.0 | 3738.2 | 3663.3 | 2616.7 | 2021.3 | 1537.2 | 1095.1 | 890.4 | 767.2 |
| 35° | 4184.4 | 4159.4 | 4098.9 | 4045.6 | 3967.9 | 2792.6 | 2117.7 | 1534.2 | 1030.4 | 814.9 | 706.1 |
| 37.5° | 4501.1 | 4486.0 | 4456.2 | 4388.6 | 4293.4 | 3031.3 | 2233.2 | 1521.6 | 951.5 | 740.2 | 659.4 |
| 40° | 4838.6 | 4839.8 | 4807.5 | 4761.3 | 4672.8 | 3321.0 | 2370.8 | 1497.1 | 865.2 | 674.4 | 616.8 |
| 42.5° | 5195.7 | 5214.3 | 5198.7 | 5165.9 | 5080.9 | 3613.0 | 2535.4 | 1467.3 | 781.6 | 610.3 | 575.1 |
| 45° | 5605.0 | 5627.8 | 5651.7 | 5603.3 | 5520.7 | 3998.4 | 2751.9 | 1428.4 | 691.0 | 557.0 | 546.4 |
| 47.5° | 6077.2 | 6113.1 | 6134.6 | 6135.3 | 6052.7 | 4475.9 | 3103.8 | 1405.0 | 611.0 | 521.2 | 532.5 |
| 50° | 7073.4 | 7084.9 | 7135.7 | 7224.3 | 7160.9 | 5581.1 | 3718.3 | 1390.6 | 556.5 | 499.0 | 522.4 |
| 52.5° | 8508.9 | 8634.1 | 8722.1 | 8716.1 | 8629.8 | 6283.0 | 4057.0 | 1316.4 | 524.2 | 490.6 | 517.6 |
| 55° | 9093.6 | 9249.8 | 9412.6 | 9455.6 | 9388.7 | 6882.0 | 4377.2 | 1242.2 | 508.6 | 496.7 | 519.4 |
| 57.5° | 9872.7 | 10136.0 | 10359.3 | 10453.2 | 10356.3 | 7648.5 | 4798.4 | 1203.3 | 503.8 | 512.8 | 530.8 |
| 60° | 10782.8 | 11108.4 | 11401.6 | 11570.3 | 11570.3 | 8529.3 | 5235.3 | 1187.2 | 497.2 | 536.8 | 549.9 |
| 62.5° | 11367.5 | 11845.6 | 12288.5 | 12535.5 | 12528.3 | 9142.6 | 5429.1 | 1132.2 | 482.3 | 553.5 | 576.2 |
| 65° | 11369.8 | 11938.4 | 12502.5 | 12780.3 | 12794.5 | 9067.4 | 5109.1 | 999.9 | 454.8 | 556.0 | 602.6 |
| 67.5° | 10422.1 | 11028.1 | 11685.8 | 11996.5 | 12068.2 | 8346.9 | 4422.7 | 822.2 | 409.9 | 532.0 | 612.2 |
| 70° | 8802.2 | 9394.0 | 10065.3 | 10370.6 | 10498.1 | 7115.3 | 3562.1 | 633.7 | 352.5 | 479.3 | 592.3 |
| 72.5° | 6934.6 | 7515.0 | 7982.4 | 8205.6 | 8305.0 | 5438.7 | 2593.9 | 478.7 | 289.0 | 403.8 | 539.1 |
| 75° | 4909.7 | 5345.3 | 5593.7 | 5643.4 | 5658.8 | 3278.6 | 1576.1 | 356.1 | 238.2 | 314.2 | 455.3 |
| 77.5° | 2771.1 | 2957.8 | 2937.4 | 2959.6 | 2775.4 | 1265.6 | 686.4 | 254.9 | 196.3 | 238.8 | 353.1 |
| 80° | 1081.9 | 1115.5 | 1047.8 | 1026.9 | 941.9 | 470.9 | 302.8 | 177.7 | 156.7 | 180.7 | 247.1 |
| 82.5° | 477.0 | 492.4 | 478.0 | 481.8 | 460.8 | 243.0 | 181.2 | 128.7 | 119.6 | 132.2 | 164.0 |
| 85° | 262.7 | 267.5 | 266.3 | 274.1 | 262.7 | 96.9 | 86.1 | 79.0 | 83.8 | 89.8 | 105.3 |
| 87.5° | 128.0 | 129.2 | 125.1 | 131.7 | 127.5 | 49.0 | 42.4 | 44.9 | 49.0 | 50.2 | 50.2 |
| 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: P301569

CATALOG NUMBER: GLNA-AF-02-LED-E1-T2R

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 | 1027.4 |
| 2.5° | 970.6 | 965.8 | 966.4 | 965.1 | 962.8 | 962.8 |
| 5° | 962.3 | 957.5 | 957.5 | 956.2 | 953.2 | 953.8 |
| 7.5° | 970.6 | 962.8 | 959.8 | 955.5 | 951.5 | 951.5 |
| 10° | 980.2 | 966.4 | 958.0 | 950.9 | 945.4 | 945.4 |
| 12.5° | 987.3 | 965.8 | 952.0 | 942.4 | 937.1 | 937.1 |
| 15° | 989.8 | 961.6 | 942.4 | 931.0 | 926.2 | 925.7 |
| 17.5° | 982.0 | 945.4 | 922.2 | 909.0 | 903.0 | 901.2 |
| 20° | 958.0 | 916.1 | 888.1 | 873.0 | 864.6 | 861.6 |
| 22.5° | 922.2 | 874.2 | 841.4 | 825.8 | 814.9 | 813.2 |
| 25° | 871.9 | 820.4 | 788.1 | 773.1 | 767.2 | 765.2 |
| 27.5° | 813.2 | 765.2 | 737.7 | 728.1 | 722.8 | 722.3 |
| 30° | 757.6 | 716.8 | 696.5 | 689.3 | 682.7 | 681.6 |
| 32.5° | 705.4 | 679.7 | 672.1 | 661.8 | 646.3 | 644.5 |
| 35° | 668.3 | 666.0 | 660.7 | 637.8 | 618.8 | 613.3 |
| 37.5° | 645.6 | 667.8 | 640.3 | 595.4 | 581.7 | 580.5 |
| 40° | 632.5 | 649.3 | 601.9 | 586.5 | 587.6 | 586.5 |
| 42.5° | 602.6 | 619.9 | 603.2 | 596.1 | 600.7 | 601.9 |
| 45° | 572.6 | 591.8 | 612.2 | 607.4 | 618.8 | 618.8 |
| 47.5° | 556.0 | 584.5 | 611.5 | 611.5 | 628.4 | 634.2 |
| 50° | 536.8 | 578.7 | 601.9 | 610.3 | 623.6 | 618.8 |
| 52.5° | 535.5 | 568.4 | 588.3 | 603.2 | 609.2 | 603.7 |
| 55° | 537.3 | 560.0 | 574.4 | 591.3 | 598.4 | 598.9 |
| 57.5° | 539.8 | 555.2 | 564.8 | 572.6 | 594.1 | 594.1 |
| 60° | 545.7 | 551.2 | 556.5 | 560.8 | 588.8 | 589.3 |
| 62.5° | 555.2 | 546.9 | 545.7 | 549.9 | 585.8 | 583.5 |
| 65° | 570.3 | 540.9 | 532.0 | 536.1 | 582.8 | 575.7 |
| 67.5° | 590.6 | 532.0 | 514.6 | 517.6 | 580.5 | 564.8 |
| 70° | 609.2 | 517.6 | 493.1 | 490.1 | 557.7 | 530.2 |
| 72.5° | 611.0 | 500.9 | 463.1 | 454.2 | 484.8 | 458.3 |
| 75° | 581.0 | 489.4 | 430.3 | 403.8 | 400.3 | 396.7 |
| 77.5° | 523.7 | 482.8 | 391.9 | 350.6 | 343.5 | 345.8 |
| 80° | 438.1 | 458.3 | 345.8 | 296.8 | 335.7 | 331.6 |
| 82.5° | 327.3 | 404.5 | 293.8 | 262.7 | 262.0 | 231.6 |
| 85° | 181.9 | 315.4 | 239.3 | 196.9 | 137.0 | 132.8 |
| 87.5° | 50.9 | 175.4 | 167.6 | 111.3 | 76.0 | 79.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)