

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: P301699

Luminaire Tested: **GLNA-AF-04-LED-E1-T2R-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P301699
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-04-LED-E1-T2R-7030-600
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II
Roadway OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15883 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

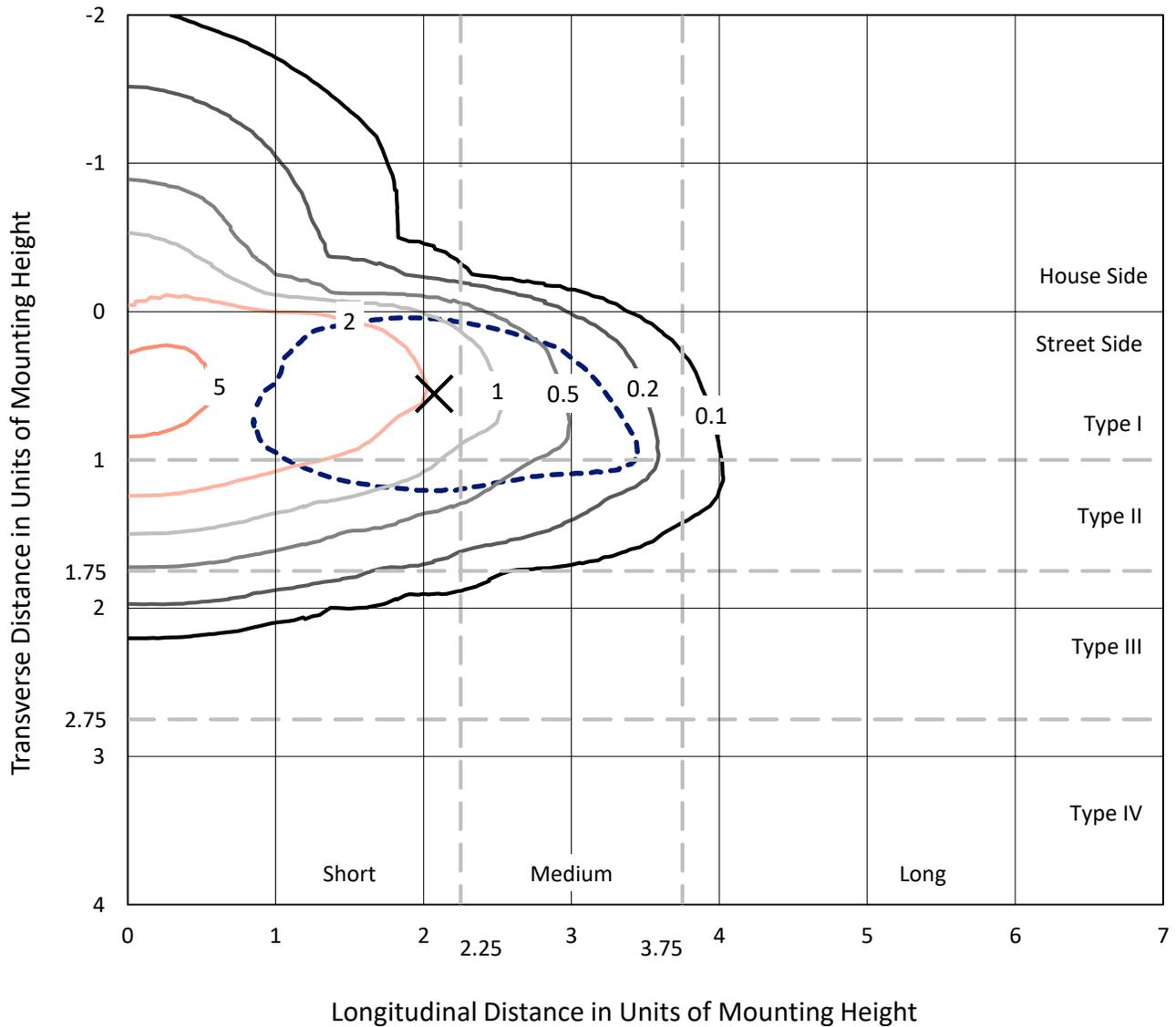
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

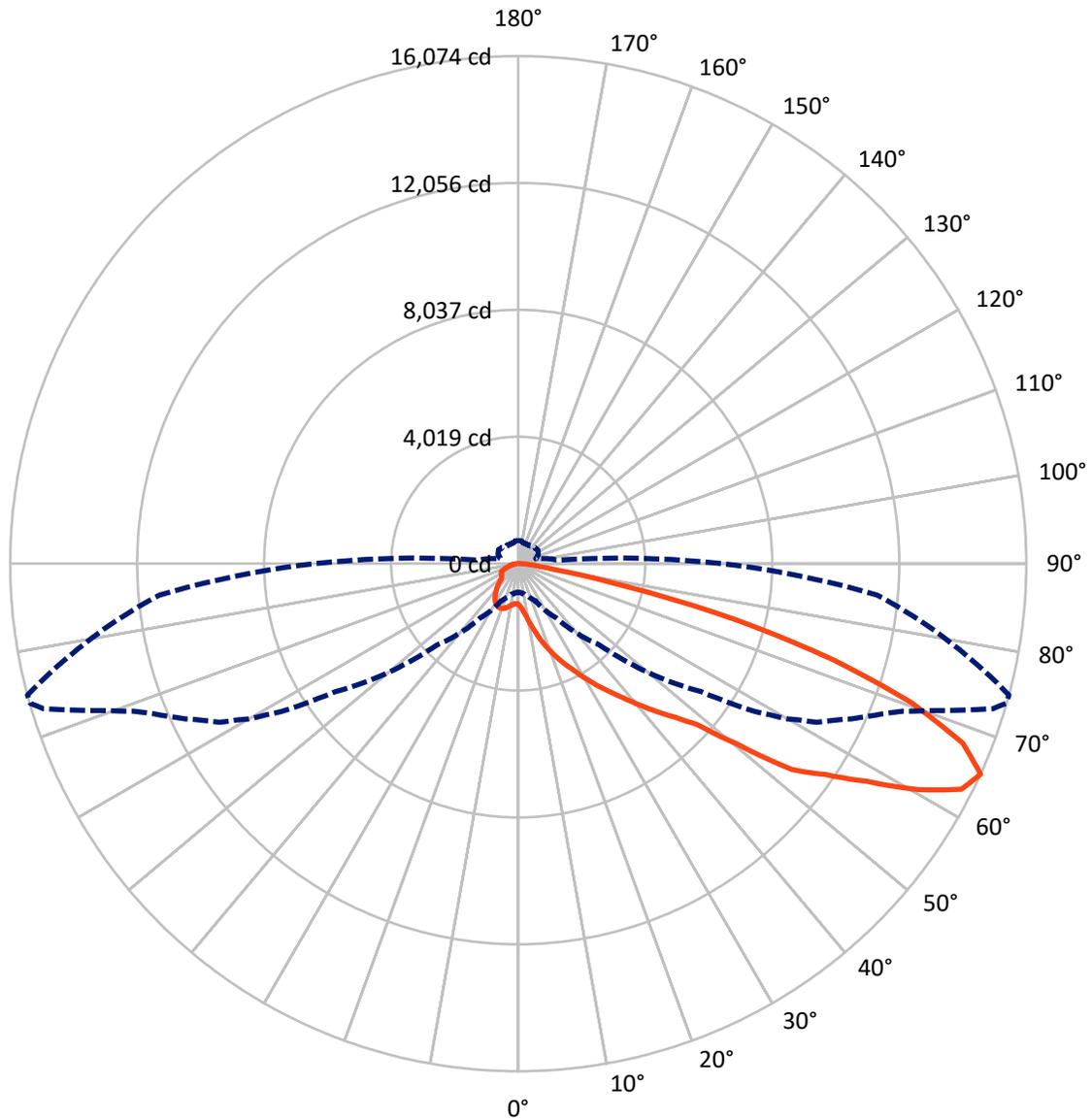
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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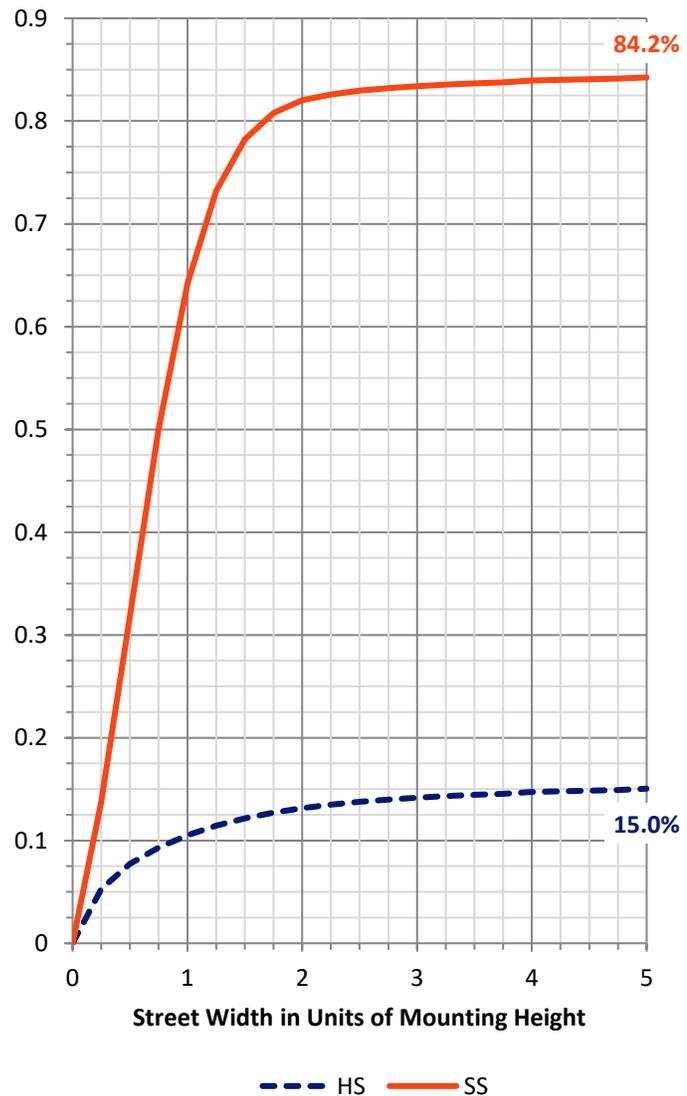
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2448.8 | 0.0 | 2448.8 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 13434.2 | 0.0 | 13434.2 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 15883.0 | 0.0 | 15883.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 159.5 | 1.0 |
| 10°-20° | 623.4 | 3.9 |
| 20°-30° | 1279.0 | 8.1 |
| 30°-40° | 2151.8 | 13.5 |
| 40°-50° | 2973.2 | 18.7 |
| 50°-60° | 3711.5 | 23.4 |
| 60°-70° | 3339.9 | 21.0 |
| 70°-80° | 1400.1 | 8.8 |
| 80°-90° | 244.6 | 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° | 15883.0 | 100.0 |
| 0°-180° | 15883.0 | 100.0 |



REPORT NUMBER: P301699

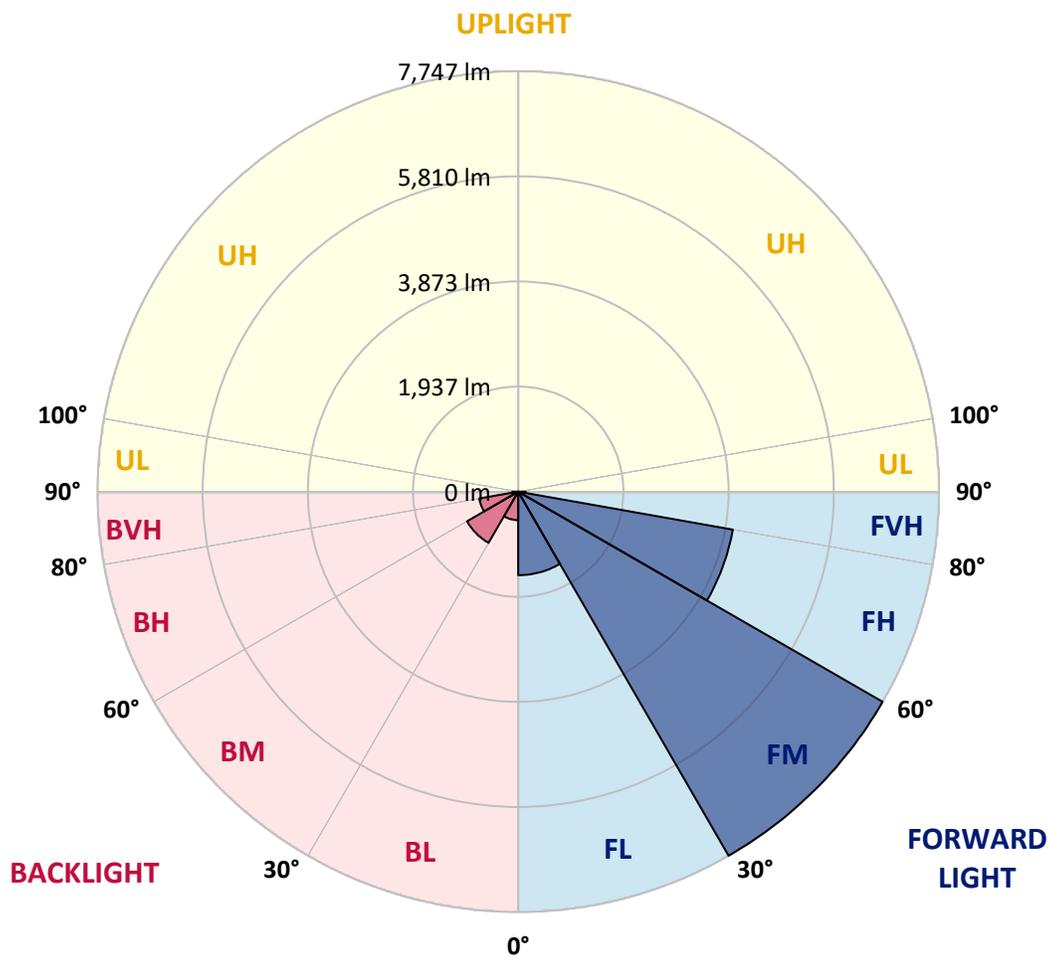
CATALOG NUMBER: GLNA-AF-04-LED-E1-T2R-7030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1538.2 | 9.7 | | | |
| FM (30°-60°) | 7746.5 | 48.8 | | | |
| FH (60°-80°) | 4012.0 | 25.3 | | | G2/5000 |
| FVH (80°-90°) | 137.5 | 0.9 | | | G2/225 |
| BL (0°-30°) | 523.7 | 3.3 | B2/1000 | | |
| BM (30°-60°) | 1090.0 | 6.9 | B2/2500 | | |
| BH (60°-80°) | 728.0 | 4.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 107.1 | 0.7 | | | G2/225 |
| 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° | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 |
| 2.5° | 1638.9 | 1620.9 | 1625.3 | 1595.2 | 1558.4 | 1510.2 | 1456.9 | 1456.3 | 1456.9 | 1451.6 | 1432.2 |
| 5° | 2272.5 | 2250.9 | 2242.6 | 2174.8 | 2075.6 | 1934.4 | 1781.0 | 1764.5 | 1757.6 | 1740.4 | 1700.5 |
| 7.5° | 2735.0 | 2723.0 | 2710.1 | 2659.0 | 2568.9 | 2411.0 | 2204.9 | 2169.7 | 2135.8 | 2127.5 | 2082.5 |
| 10° | 3033.4 | 3030.3 | 3003.3 | 2989.7 | 2933.5 | 2796.6 | 2595.9 | 2562.0 | 2525.2 | 2512.5 | 2465.0 |
| 12.5° | 3269.4 | 3268.7 | 3256.0 | 3259.8 | 3210.7 | 3111.7 | 2938.6 | 2907.9 | 2880.9 | 2841.6 | 2808.0 |
| 15° | 3432.6 | 3433.3 | 3452.2 | 3473.2 | 3465.6 | 3398.7 | 3236.4 | 3222.8 | 3199.6 | 3172.6 | 3132.7 |
| 17.5° | 3566.4 | 3570.2 | 3589.6 | 3628.0 | 3669.5 | 3664.1 | 3535.6 | 3524.3 | 3504.0 | 3467.2 | 3446.2 |
| 20° | 3868.6 | 3882.9 | 3845.4 | 3845.4 | 3849.9 | 3870.2 | 3808.4 | 3799.5 | 3770.9 | 3751.3 | 3734.8 |
| 22.5° | 4379.1 | 4395.6 | 4310.6 | 4224.3 | 4139.3 | 4077.6 | 4016.0 | 4027.2 | 4007.8 | 3994.2 | 3984.3 |
| 25° | 5042.1 | 5055.0 | 4917.4 | 4771.6 | 4598.5 | 4373.1 | 4220.5 | 4213.6 | 4203.1 | 4194.9 | 4190.4 |
| 27.5° | 5666.1 | 5671.4 | 5541.4 | 5327.8 | 5127.1 | 4803.0 | 4427.9 | 4419.7 | 4407.0 | 4391.1 | 4377.5 |
| 30° | 6200.0 | 6198.4 | 6064.6 | 5860.8 | 5645.8 | 5287.2 | 4743.0 | 4717.4 | 4679.7 | 4636.9 | 4603.9 |
| 32.5° | 6662.3 | 6660.1 | 6513.3 | 6302.1 | 6076.7 | 5766.9 | 5174.6 | 5121.9 | 5063.3 | 4979.7 | 4929.5 |
| 35° | 7026.0 | 7024.7 | 6886.2 | 6666.1 | 6407.4 | 6218.7 | 5669.2 | 5604.5 | 5530.0 | 5418.1 | 5340.7 |
| 37.5° | 7163.6 | 7163.6 | 7086.2 | 6935.9 | 6707.3 | 6578.0 | 6218.7 | 6140.4 | 6060.8 | 5933.7 | 5846.5 |
| 40° | 7083.1 | 7084.7 | 7101.2 | 7073.5 | 6962.2 | 6863.0 | 6731.4 | 6684.8 | 6616.3 | 6502.2 | 6411.2 |
| 42.5° | 6813.3 | 6821.5 | 6931.5 | 7065.9 | 7121.5 | 7105.9 | 7186.1 | 7165.2 | 7117.0 | 7029.1 | 6956.9 |
| 45° | 6471.2 | 6496.8 | 6617.0 | 6871.2 | 7165.8 | 7315.5 | 7567.3 | 7569.5 | 7560.6 | 7513.3 | 7457.5 |
| 47.5° | 6001.5 | 6037.4 | 6196.2 | 6539.6 | 7062.1 | 7519.3 | 7954.4 | 7974.7 | 7993.7 | 7962.9 | 7937.2 |
| 50° | 5377.5 | 5420.3 | 5657.8 | 6113.5 | 6851.0 | 7730.5 | 8685.9 | 8777.8 | 8863.4 | 8852.9 | 8870.1 |
| 52.5° | 4709.1 | 4759.5 | 5050.3 | 5557.9 | 6487.9 | 7779.4 | 9153.6 | 9303.2 | 9452.8 | 9575.3 | 9705.3 |
| 55° | 4106.1 | 4079.1 | 4370.2 | 4904.5 | 5890.9 | 7559.0 | 9573.9 | 9754.4 | 9921.2 | 10071.5 | 10226.5 |
| 57.5° | 3289.0 | 3333.4 | 3625.1 | 4153.6 | 5100.7 | 6937.3 | 9863.2 | 10127.2 | 10367.0 | 10615.9 | 10835.3 |
| 60° | 2404.1 | 2448.5 | 2764.9 | 3301.7 | 4243.0 | 5994.6 | 9642.2 | 10042.3 | 10426.3 | 10807.4 | 11105.1 |
| 62.5° | 1451.6 | 1484.8 | 1763.6 | 2275.0 | 3271.8 | 4876.8 | 8657.4 | 9182.1 | 9747.4 | 10203.1 | 10659.3 |
| 65° | 903.6 | 922.4 | 1025.4 | 1306.6 | 2101.2 | 3640.9 | 7073.5 | 7645.5 | 8254.4 | 8832.6 | 9307.0 |
| 67.5° | 739.7 | 746.4 | 765.4 | 825.4 | 1153.9 | 2374.2 | 5264.7 | 5771.3 | 6320.9 | 6880.2 | 7408.0 |
| 70° | 665.2 | 660.8 | 660.8 | 664.6 | 739.7 | 1276.5 | 3446.9 | 3776.9 | 4234.8 | 4721.2 | 5203.8 |
| 72.5° | 600.6 | 596.1 | 587.9 | 576.7 | 603.7 | 778.8 | 1781.6 | 2030.5 | 2360.6 | 2792.8 | 3255.1 |
| 75° | 539.7 | 533.7 | 524.1 | 509.8 | 528.5 | 587.9 | 855.5 | 960.1 | 1120.9 | 1351.0 | 1608.8 |
| 77.5° | 476.6 | 469.0 | 460.1 | 449.6 | 473.7 | 457.2 | 501.3 | 539.0 | 600.6 | 674.4 | 771.4 |
| 80° | 405.2 | 398.5 | 395.4 | 390.3 | 418.8 | 348.1 | 354.1 | 377.3 | 413.5 | 453.4 | 498.4 |
| 82.5° | 317.3 | 317.3 | 329.2 | 331.6 | 363.1 | 250.4 | 264.7 | 285.0 | 303.7 | 324.7 | 345.9 |
| 85° | 209.0 | 210.5 | 251.1 | 266.9 | 286.3 | 168.4 | 198.5 | 205.2 | 220.3 | 232.4 | 241.3 |
| 87.5° | 65.3 | 70.7 | 153.4 | 169.9 | 164.6 | 95.4 | 121.8 | 124.9 | 135.4 | 143.6 | 151.2 |
| 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-T2R-7030-600

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 |
| 2.5° | 1432.2 | 1423.0 | 1414.8 | 1414.1 | 1408.1 | 1399.9 | 1402.8 | 1390.0 | 1390.7 | 1384.0 | 1376.4 |
| 5° | 1684.0 | 1677.9 | 1647.8 | 1639.6 | 1617.1 | 1602.8 | 1600.6 | 1570.5 | 1566.7 | 1549.5 | 1530.5 |
| 7.5° | 2046.4 | 2026.7 | 1984.6 | 1964.3 | 1925.9 | 1897.4 | 1884.0 | 1844.1 | 1824.5 | 1779.4 | 1759.1 |
| 10° | 2425.9 | 2401.2 | 2349.2 | 2320.7 | 2283.9 | 2237.9 | 2213.2 | 2155.4 | 2132.7 | 2091.4 | 2041.9 |
| 12.5° | 2777.8 | 2753.1 | 2699.6 | 2677.7 | 2628.9 | 2580.0 | 2553.1 | 2487.7 | 2458.3 | 2392.0 | 2353.0 |
| 15° | 3103.2 | 3078.5 | 3031.9 | 3009.3 | 2960.5 | 2920.6 | 2884.4 | 2820.0 | 2785.4 | 2723.7 | 2672.6 |
| 17.5° | 3419.0 | 3392.7 | 3352.1 | 3331.8 | 3284.5 | 3243.9 | 3204.9 | 3143.8 | 3108.6 | 3047.0 | 3001.1 |
| 20° | 3712.3 | 3692.6 | 3663.4 | 3636.2 | 3588.9 | 3552.1 | 3505.5 | 3452.9 | 3401.8 | 3356.6 | 3313.1 |
| 22.5° | 3967.8 | 3960.3 | 3928.8 | 3916.8 | 3876.2 | 3844.5 | 3803.9 | 3752.2 | 3715.2 | 3658.1 | 3617.5 |
| 25° | 4188.2 | 4186.0 | 4170.8 | 4167.0 | 4138.4 | 4108.3 | 4099.4 | 4056.6 | 4022.7 | 3972.3 | 3930.4 |
| 27.5° | 4377.5 | 4379.7 | 4376.2 | 4386.7 | 4379.1 | 4365.5 | 4366.4 | 4352.1 | 4332.5 | 4290.3 | 4253.5 |
| 30° | 4588.0 | 4576.0 | 4582.9 | 4597.9 | 4602.3 | 4603.9 | 4628.6 | 4636.9 | 4635.5 | 4607.7 | 4589.6 |
| 32.5° | 4885.8 | 4857.2 | 4830.9 | 4828.7 | 4843.6 | 4849.6 | 4891.8 | 4913.6 | 4932.4 | 4939.1 | 4942.2 |
| 35° | 5265.3 | 5208.2 | 5153.4 | 5124.2 | 5098.5 | 5105.2 | 5135.3 | 5170.8 | 5212.0 | 5240.6 | 5274.5 |
| 37.5° | 5743.5 | 5673.7 | 5576.7 | 5507.5 | 5490.1 | 5452.7 | 5472.1 | 5499.9 | 5540.5 | 5584.9 | 5643.6 |
| 40° | 6323.1 | 6217.2 | 6108.1 | 6016.4 | 5966.9 | 5897.6 | 5896.9 | 5891.6 | 5916.5 | 5957.8 | 6040.5 |
| 42.5° | 6881.1 | 6786.9 | 6671.2 | 6575.1 | 6510.4 | 6417.9 | 6399.1 | 6350.3 | 6361.4 | 6397.6 | 6478.1 |
| 45° | 7403.4 | 7326.0 | 7255.3 | 7144.2 | 7089.1 | 6989.2 | 6957.6 | 6899.8 | 6867.5 | 6884.0 | 6964.5 |
| 47.5° | 7909.4 | 7859.9 | 7786.0 | 7714.0 | 7671.9 | 7582.4 | 7541.8 | 7500.4 | 7459.1 | 7457.5 | 7541.8 |
| 50° | 8895.8 | 8869.4 | 8782.2 | 8707.1 | 8727.4 | 8617.7 | 8624.4 | 8513.1 | 8563.5 | 8569.5 | 8746.1 |
| 52.5° | 9822.6 | 9914.5 | 9979.2 | 10057.9 | 10109.2 | 10119.0 | 10152.7 | 10203.1 | 10263.9 | 10384.1 | 10548.1 |
| 55° | 10353.4 | 10468.4 | 10535.3 | 10595.6 | 10694.8 | 10715.8 | 10772.2 | 10839.1 | 10892.4 | 11027.8 | 11166.9 |
| 57.5° | 10984.3 | 11197.7 | 11301.4 | 11396.8 | 11530.7 | 11581.7 | 11675.8 | 11748.8 | 11817.9 | 11978.0 | 12146.4 |
| 60° | 11372.8 | 11633.0 | 11844.2 | 11995.2 | 12162.9 | 12283.3 | 12425.4 | 12539.6 | 12701.9 | 12893.7 | 13144.8 |
| 62.5° | 11063.9 | 11445.7 | 11726.2 | 11985.6 | 12213.3 | 12443.4 | 12647.1 | 12860.7 | 13107.1 | 13397.3 | 13786.9 |
| 65° | 9833.3 | 10221.8 | 10702.2 | 10971.3 | 11272.9 | 11627.7 | 11937.4 | 12283.3 | 12619.2 | 13041.8 | 13617.6 |
| 67.5° | 7916.3 | 8367.9 | 8907.8 | 9179.2 | 9525.8 | 9921.8 | 10269.3 | 10691.7 | 11084.2 | 11596.0 | 12308.1 |
| 70° | 5706.0 | 6290.1 | 6744.1 | 7027.6 | 7432.1 | 7840.2 | 8175.6 | 8667.2 | 8991.9 | 9516.6 | 10252.8 |
| 72.5° | 3613.0 | 4073.8 | 4630.2 | 4987.2 | 5346.5 | 5760.2 | 6103.0 | 6526.9 | 6829.8 | 7307.9 | 7974.7 |
| 75° | 1942.7 | 2282.3 | 2770.9 | 3110.1 | 3495.1 | 3848.3 | 4249.7 | 4533.9 | 4758.0 | 5136.2 | 5677.5 |
| 77.5° | 910.3 | 1117.1 | 1364.4 | 1625.3 | 1886.2 | 2158.3 | 2423.0 | 2653.0 | 2749.3 | 2965.8 | 3285.2 |
| 80° | 552.6 | 619.5 | 691.6 | 772.1 | 881.1 | 969.0 | 1085.6 | 1169.7 | 1175.7 | 1244.2 | 1341.9 |
| 82.5° | 369.1 | 393.8 | 415.7 | 436.0 | 463.9 | 485.7 | 510.5 | 539.7 | 551.7 | 567.6 | 599.2 |
| 85° | 251.8 | 263.8 | 268.3 | 281.2 | 278.1 | 285.7 | 295.5 | 305.3 | 310.4 | 309.8 | 324.0 |
| 87.5° | 154.8 | 160.8 | 163.9 | 166.8 | 164.6 | 161.7 | 166.1 | 171.5 | 172.8 | 168.4 | 169.9 |
| 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° | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 |
| 2.5° | 1378.0 | 1371.3 | 1364.4 | 1359.9 | 1358.4 | 1318.7 | 1301.3 | 1290.1 | 1266.0 | 1246.4 | 1230.6 |
| 5° | 1520.1 | 1505.8 | 1494.6 | 1481.0 | 1473.4 | 1372.6 | 1335.8 | 1310.4 | 1268.3 | 1243.5 | 1220.8 |
| 7.5° | 1748.6 | 1708.7 | 1685.5 | 1659.2 | 1636.7 | 1454.7 | 1393.8 | 1353.9 | 1295.3 | 1262.3 | 1236.6 |
| 10° | 2008.0 | 1966.7 | 1929.7 | 1889.1 | 1853.9 | 1563.8 | 1475.0 | 1413.2 | 1335.8 | 1293.0 | 1259.1 |
| 12.5° | 2297.5 | 2256.9 | 2210.3 | 2158.3 | 2113.3 | 1702.0 | 1578.7 | 1490.8 | 1384.7 | 1327.6 | 1280.3 |
| 15° | 2639.6 | 2568.0 | 2511.6 | 2451.6 | 2398.9 | 1867.5 | 1699.8 | 1578.0 | 1436.6 | 1359.3 | 1296.2 |
| 17.5° | 2957.4 | 2882.2 | 2805.7 | 2753.1 | 2692.2 | 2053.1 | 1821.6 | 1666.6 | 1479.5 | 1379.6 | 1299.0 |
| 20° | 3268.0 | 3186.0 | 3119.9 | 3049.3 | 2985.2 | 2245.5 | 1951.6 | 1744.9 | 1507.3 | 1380.2 | 1280.3 |
| 22.5° | 3541.7 | 3490.4 | 3416.8 | 3340.1 | 3275.4 | 2438.0 | 2073.4 | 1811.1 | 1517.8 | 1363.1 | 1247.1 |
| 25° | 3852.8 | 3798.8 | 3708.5 | 3643.8 | 3571.8 | 2634.2 | 2192.9 | 1862.2 | 1511.8 | 1330.7 | 1196.0 |
| 27.5° | 4185.1 | 4125.1 | 4032.5 | 3964.9 | 3877.7 | 2837.8 | 2302.6 | 1899.0 | 1489.3 | 1278.1 | 1127.6 |
| 30° | 4531.6 | 4476.8 | 4385.8 | 4317.5 | 4229.4 | 3053.7 | 2425.3 | 1923.7 | 1444.2 | 1205.2 | 1047.9 |
| 32.5° | 4903.8 | 4857.9 | 4767.8 | 4696.4 | 4602.3 | 3287.4 | 2539.4 | 1931.3 | 1375.8 | 1118.6 | 963.9 |
| 35° | 5257.1 | 5225.6 | 5149.6 | 5082.7 | 4985.0 | 3508.4 | 2660.5 | 1927.5 | 1294.6 | 1023.9 | 887.1 |
| 37.5° | 5654.9 | 5636.0 | 5598.5 | 5513.5 | 5394.0 | 3808.4 | 2805.7 | 1911.7 | 1195.3 | 930.0 | 828.5 |
| 40° | 6078.9 | 6080.4 | 6039.9 | 5981.9 | 5870.6 | 4172.3 | 2978.6 | 1880.9 | 1087.0 | 847.2 | 775.0 |
| 42.5° | 6527.6 | 6551.0 | 6531.4 | 6490.1 | 6383.3 | 4539.2 | 3185.3 | 1843.4 | 981.9 | 766.7 | 722.6 |
| 45° | 7041.9 | 7070.4 | 7100.5 | 7039.6 | 6935.9 | 5023.4 | 3457.4 | 1794.6 | 868.2 | 699.8 | 686.4 |
| 47.5° | 7635.1 | 7680.1 | 7707.1 | 7708.0 | 7604.3 | 5623.3 | 3899.4 | 1765.1 | 767.6 | 654.8 | 669.0 |
| 50° | 8886.6 | 8901.1 | 8964.9 | 9076.2 | 8996.6 | 7011.7 | 4671.4 | 1747.1 | 699.1 | 626.9 | 656.3 |
| 52.5° | 10690.1 | 10847.3 | 10958.0 | 10950.4 | 10842.0 | 7893.5 | 5097.0 | 1653.9 | 658.6 | 616.4 | 650.3 |
| 55° | 11424.7 | 11621.0 | 11825.5 | 11879.4 | 11795.4 | 8646.2 | 5499.3 | 1560.6 | 638.9 | 624.0 | 652.5 |
| 57.5° | 12403.5 | 12734.3 | 13014.8 | 13132.8 | 13011.0 | 9609.2 | 6028.5 | 1511.8 | 632.9 | 644.3 | 666.8 |
| 60° | 13546.9 | 13955.9 | 14324.3 | 14536.2 | 14536.2 | 10715.8 | 6577.3 | 1491.5 | 624.7 | 674.4 | 690.9 |
| 62.5° | 14281.5 | 14882.1 | 15438.5 | 15748.9 | 15739.8 | 11486.3 | 6820.8 | 1422.4 | 605.9 | 695.4 | 723.9 |
| 65° | 14284.4 | 14998.7 | 15707.5 | 16056.5 | 16074.3 | 11391.7 | 6418.8 | 1256.2 | 571.4 | 698.5 | 757.1 |
| 67.5° | 13093.8 | 13855.1 | 14681.4 | 15071.7 | 15161.7 | 10486.5 | 5556.4 | 1033.0 | 514.9 | 668.4 | 769.2 |
| 70° | 11058.5 | 11802.1 | 12645.5 | 13029.1 | 13189.2 | 8939.2 | 4475.2 | 796.2 | 442.9 | 602.1 | 744.2 |
| 72.5° | 8712.2 | 9441.5 | 10028.7 | 10309.0 | 10433.9 | 6832.9 | 3258.9 | 601.5 | 363.1 | 507.4 | 677.3 |
| 75° | 6168.3 | 6715.6 | 7027.6 | 7090.0 | 7109.4 | 4119.0 | 1980.1 | 447.4 | 299.3 | 394.7 | 572.0 |
| 77.5° | 3481.5 | 3716.1 | 3690.4 | 3718.3 | 3486.8 | 1590.1 | 862.4 | 320.2 | 246.7 | 300.0 | 443.6 |
| 80° | 1359.3 | 1401.4 | 1316.4 | 1290.1 | 1183.3 | 591.7 | 380.5 | 223.2 | 196.9 | 227.0 | 310.4 |
| 82.5° | 599.2 | 618.6 | 600.6 | 605.3 | 578.9 | 305.3 | 227.7 | 161.7 | 150.3 | 166.1 | 206.1 |
| 85° | 330.1 | 336.1 | 334.5 | 344.3 | 330.1 | 121.8 | 108.2 | 99.2 | 105.3 | 112.8 | 132.2 |
| 87.5° | 160.8 | 162.4 | 157.2 | 165.5 | 160.1 | 61.6 | 53.3 | 56.4 | 61.6 | 63.1 | 63.1 |
| 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: P301699

CATALOG NUMBER: GLNA-AF-04-LED-E1-T2R-7030-600

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 | 1290.8 |
| 2.5° | 1219.4 | 1213.4 | 1214.1 | 1212.5 | 1209.6 | 1209.6 |
| 5° | 1209.0 | 1202.9 | 1202.9 | 1201.4 | 1197.6 | 1198.2 |
| 7.5° | 1219.4 | 1209.6 | 1205.8 | 1200.5 | 1195.3 | 1195.3 |
| 10° | 1231.5 | 1214.1 | 1203.6 | 1194.7 | 1187.8 | 1187.8 |
| 12.5° | 1240.4 | 1213.4 | 1196.0 | 1184.0 | 1177.3 | 1177.3 |
| 15° | 1243.5 | 1208.1 | 1184.0 | 1169.7 | 1163.7 | 1163.0 |
| 17.5° | 1233.7 | 1187.8 | 1158.6 | 1142.0 | 1134.5 | 1132.2 |
| 20° | 1203.6 | 1151.0 | 1115.7 | 1096.8 | 1086.3 | 1082.5 |
| 22.5° | 1158.6 | 1098.3 | 1057.1 | 1037.5 | 1023.9 | 1021.6 |
| 25° | 1095.4 | 1030.8 | 990.2 | 971.2 | 963.9 | 961.4 |
| 27.5° | 1021.6 | 961.4 | 926.8 | 914.8 | 908.1 | 907.4 |
| 30° | 951.8 | 900.5 | 875.1 | 866.0 | 857.7 | 856.4 |
| 32.5° | 886.3 | 853.9 | 844.3 | 831.4 | 812.0 | 809.8 |
| 35° | 839.6 | 836.7 | 830.1 | 801.3 | 777.4 | 770.5 |
| 37.5° | 811.1 | 839.0 | 804.4 | 748.0 | 730.8 | 729.3 |
| 40° | 794.6 | 815.8 | 756.2 | 736.8 | 738.2 | 736.8 |
| 42.5° | 757.1 | 778.8 | 757.8 | 748.9 | 754.7 | 756.2 |
| 45° | 719.4 | 743.5 | 769.2 | 763.1 | 777.4 | 777.4 |
| 47.5° | 698.5 | 734.4 | 768.3 | 768.3 | 789.5 | 796.8 |
| 50° | 674.4 | 727.0 | 756.2 | 766.7 | 783.4 | 777.4 |
| 52.5° | 672.8 | 714.1 | 739.1 | 757.8 | 765.4 | 758.5 |
| 55° | 675.1 | 703.6 | 721.7 | 742.9 | 751.8 | 752.4 |
| 57.5° | 678.2 | 697.6 | 709.6 | 719.4 | 746.4 | 746.4 |
| 60° | 685.5 | 692.5 | 699.1 | 704.5 | 739.7 | 740.4 |
| 62.5° | 697.6 | 687.1 | 685.5 | 690.9 | 735.9 | 733.0 |
| 65° | 716.5 | 679.5 | 668.4 | 673.5 | 732.2 | 723.2 |
| 67.5° | 742.0 | 668.4 | 646.5 | 650.3 | 729.3 | 709.6 |
| 70° | 765.4 | 650.3 | 619.5 | 615.7 | 700.7 | 666.1 |
| 72.5° | 767.6 | 629.3 | 581.8 | 570.7 | 609.0 | 575.8 |
| 75° | 729.9 | 614.8 | 540.6 | 507.4 | 502.9 | 498.4 |
| 77.5° | 657.9 | 606.6 | 492.4 | 440.5 | 431.5 | 434.4 |
| 80° | 550.4 | 575.8 | 434.4 | 372.9 | 421.7 | 416.6 |
| 82.5° | 411.2 | 508.2 | 369.1 | 330.1 | 329.2 | 291.0 |
| 85° | 228.6 | 396.3 | 300.6 | 247.3 | 172.2 | 166.8 |
| 87.5° | 64.0 | 220.3 | 210.5 | 139.8 | 95.4 | 99.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)