

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: P301722

Luminaire Tested: **GLNA-AF-08-LED-E1-T2R-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P301722
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-08-LED-E1-T2R-7027-600
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND Type II
Roadway OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28344.2 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 257
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

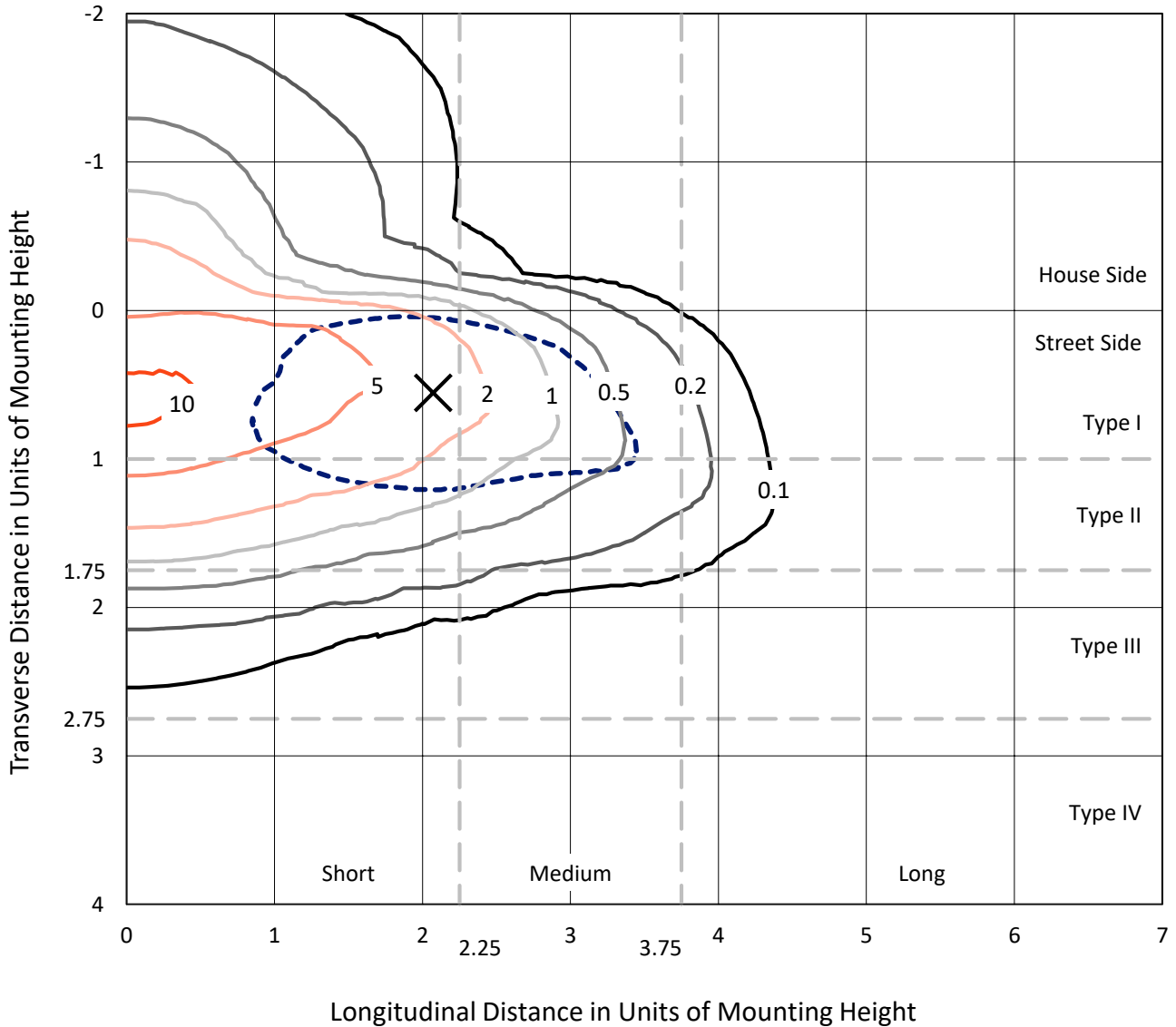


REPORT NUMBER: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

Iso-Footcandle Lines of Horizontal Illumination

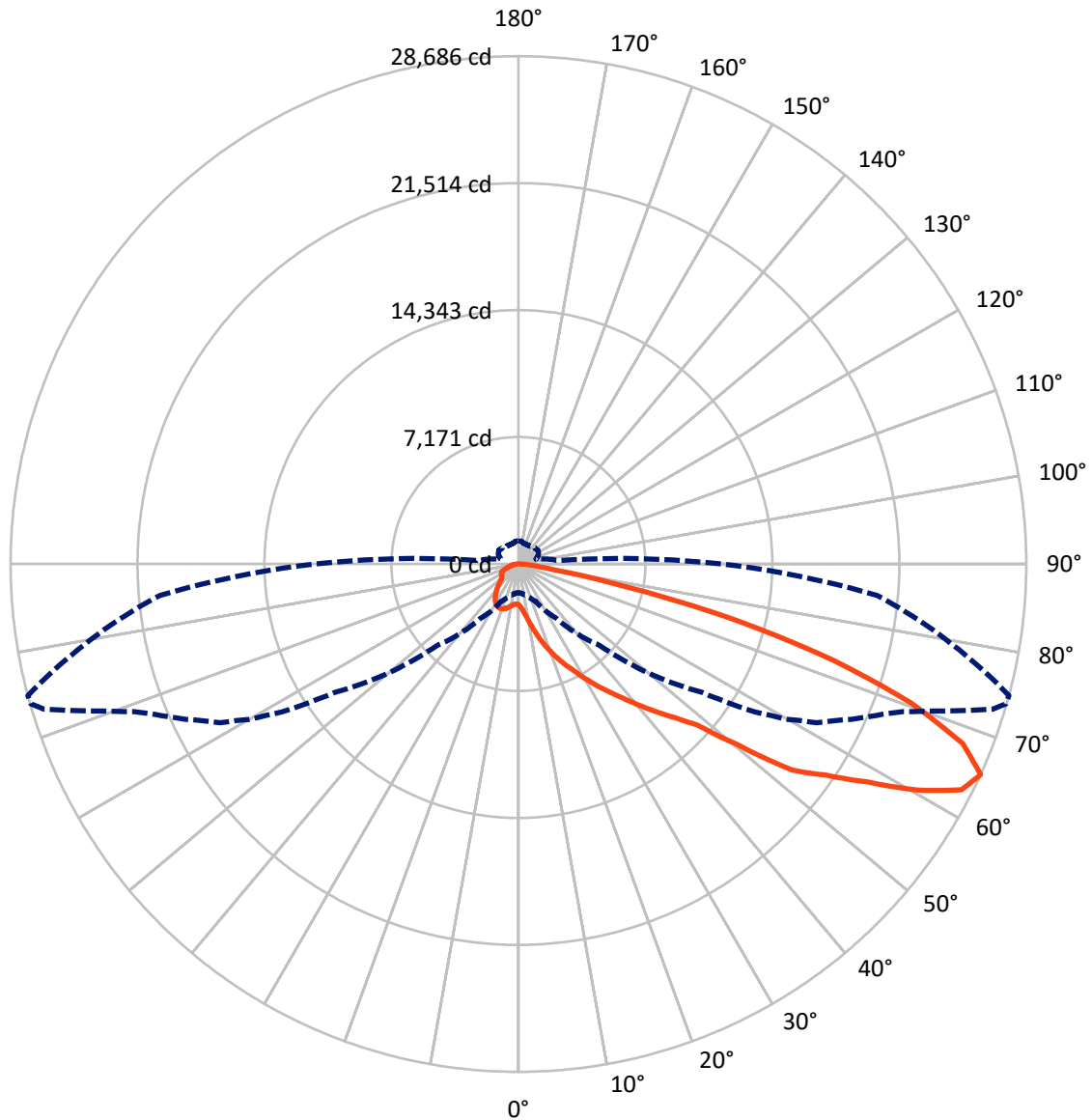
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P301722
CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

Luminous Intensity Polar Plot



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

REPORT NUMBER: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4370.0 | 0.0 | 4370.0 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 23974.2 | 0.0 | 23974.2 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 28344.2 | 0.0 | 28344.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 284.7 | 1.0 |
| 10°-20° | 1112.5 | 3.9 |
| 20°-30° | 2282.4 | 8.1 |
| 30°-40° | 3840.1 | 13.5 |
| 40°-50° | 5305.9 | 18.7 |
| 50°-60° | 6623.3 | 23.4 |
| 60°-70° | 5960.3 | 21.0 |
| 70°-80° | 2498.5 | 8.8 |
| 80°-90° | 436.5 | 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° | 28344.2 | 100.0 |
| 0°-180° | 28344.2 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P301722

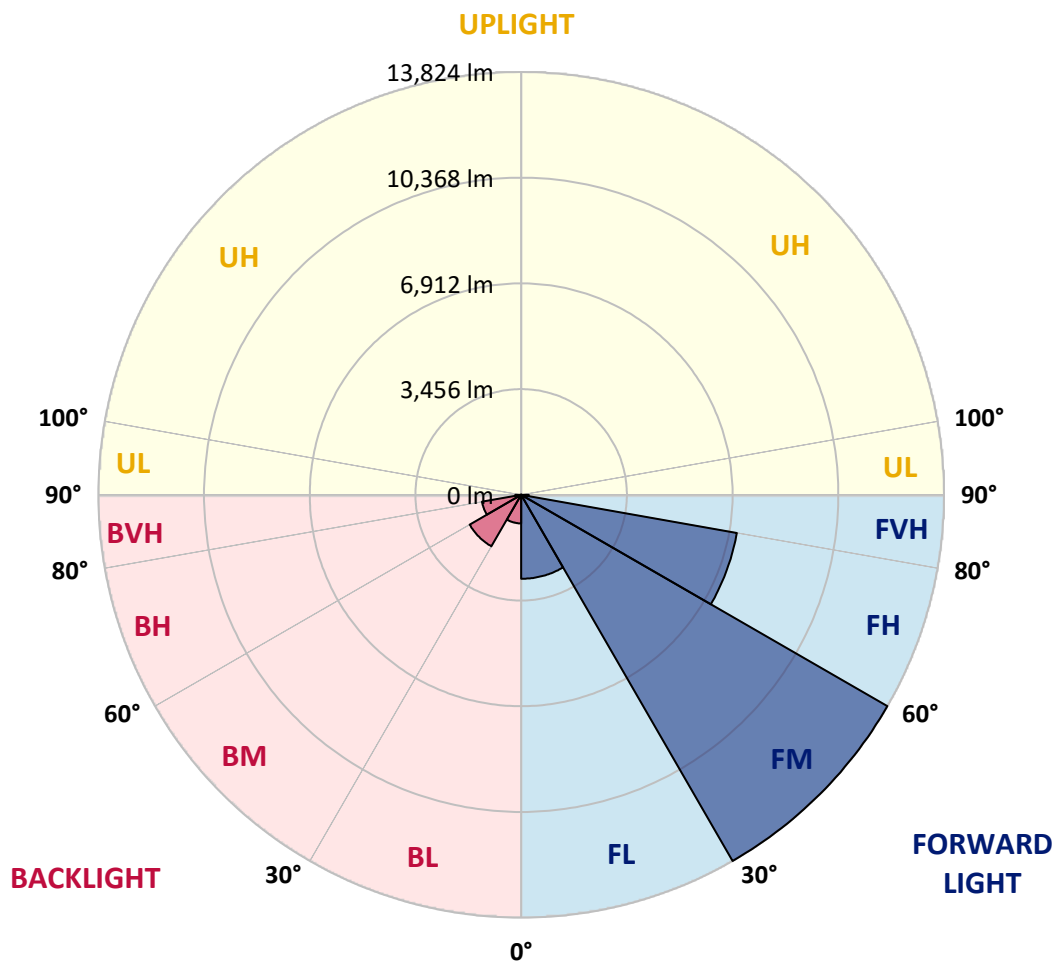
CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2745.1 | 9.7 | | | |
| FM (30°-60°) | 13824.2 | 48.8 | | | |
| FH (60°-80°) | 7159.7 | 25.3 | | | G3/7500 |
| FVH (80°-90°) | 245.4 | 0.9 | | | G3/500 |
| BL (0°-30°) | 934.6 | 3.3 | B2/1000 | | |
| BM (30°-60°) | 1945.1 | 6.9 | B2/2500 | | |
| BH (60°-80°) | 1299.1 | 4.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 191.1 | 0.7 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 |
| 2.5° | 2924.8 | 2892.5 | 2900.5 | 2846.8 | 2781.1 | 2695.1 | 2600.0 | 2598.8 | 2600.0 | 2590.5 | 2555.8 |
| 5° | 4055.4 | 4016.8 | 4002.1 | 3881.1 | 3704.0 | 3452.1 | 3178.3 | 3148.8 | 3136.5 | 3105.8 | 3034.6 |
| 7.5° | 4880.8 | 4859.3 | 4836.3 | 4745.1 | 4584.3 | 4302.6 | 3934.8 | 3872.0 | 3811.5 | 3796.7 | 3716.3 |
| 10° | 5413.3 | 5407.8 | 5359.6 | 5335.3 | 5235.0 | 4990.7 | 4632.5 | 4572.0 | 4506.3 | 4483.7 | 4398.9 |
| 12.5° | 5834.4 | 5833.2 | 5810.5 | 5817.3 | 5729.7 | 5553.0 | 5244.2 | 5189.3 | 5141.1 | 5071.1 | 5011.0 |
| 15° | 6125.7 | 6126.9 | 6160.7 | 6198.2 | 6184.6 | 6065.2 | 5775.5 | 5751.2 | 5709.8 | 5661.7 | 5590.4 |
| 17.5° | 6364.5 | 6371.3 | 6405.9 | 6474.4 | 6548.4 | 6538.8 | 6309.6 | 6289.3 | 6253.1 | 6187.4 | 6150.0 |
| 20° | 6903.8 | 6929.2 | 6862.4 | 6862.4 | 6870.3 | 6906.6 | 6796.3 | 6780.4 | 6729.5 | 6694.4 | 6665.0 |
| 22.5° | 7814.8 | 7844.2 | 7692.6 | 7538.6 | 7386.9 | 7276.7 | 7166.8 | 7186.7 | 7152.1 | 7127.8 | 7110.3 |
| 25° | 8998.0 | 9021.0 | 8775.5 | 8515.2 | 8206.4 | 7804.0 | 7531.8 | 7519.5 | 7500.7 | 7486.0 | 7478.1 |
| 27.5° | 10111.5 | 10121.1 | 9889.0 | 9507.8 | 9149.6 | 8571.3 | 7901.9 | 7887.2 | 7864.5 | 7836.2 | 7812.0 |
| 30° | 11064.3 | 11061.5 | 10822.7 | 10458.9 | 10075.3 | 9435.3 | 8464.3 | 8418.5 | 8351.2 | 8274.8 | 8215.9 |
| 32.5° | 11889.3 | 11885.3 | 11623.4 | 11246.5 | 10844.2 | 10291.4 | 9234.4 | 9140.4 | 9035.8 | 8886.5 | 8797.0 |
| 35° | 12538.4 | 12536.0 | 12288.9 | 11896.0 | 11434.4 | 11097.7 | 10117.1 | 10001.7 | 9868.7 | 9668.9 | 9530.8 |
| 37.5° | 12783.9 | 12783.9 | 12645.8 | 12377.6 | 11969.7 | 11738.8 | 11097.7 | 10958.0 | 10815.9 | 10589.1 | 10433.5 |
| 40° | 12640.3 | 12643.1 | 12672.5 | 12623.2 | 12424.6 | 12247.5 | 12012.7 | 11929.5 | 11807.3 | 11603.5 | 11441.2 |
| 42.5° | 12158.7 | 12173.4 | 12369.6 | 12609.6 | 12708.7 | 12680.9 | 12824.1 | 12786.7 | 12700.8 | 12544.0 | 12415.0 |
| 45° | 11548.2 | 11594.0 | 11808.5 | 12262.2 | 12787.9 | 13055.0 | 13504.3 | 13508.3 | 13492.3 | 13408.0 | 13308.5 |
| 47.5° | 10710.1 | 10774.1 | 11057.5 | 11670.4 | 12602.9 | 13418.7 | 14195.2 | 14231.4 | 14265.2 | 14210.3 | 14164.5 |
| 50° | 9596.5 | 9672.9 | 10096.8 | 10909.9 | 12226.0 | 13795.6 | 15500.6 | 15664.5 | 15817.4 | 15798.6 | 15829.3 |
| 52.5° | 8403.8 | 8493.7 | 9012.7 | 9918.5 | 11578.1 | 13882.8 | 16335.1 | 16602.2 | 16869.2 | 17087.7 | 17319.7 |
| 55° | 7327.6 | 7279.5 | 7798.8 | 8752.4 | 10512.7 | 13489.6 | 17085.3 | 17407.3 | 17705.0 | 17973.2 | 18249.8 |
| 57.5° | 5869.4 | 5948.6 | 6469.2 | 7412.4 | 9102.6 | 12380.0 | 17601.5 | 18072.7 | 18500.5 | 18944.7 | 19336.3 |
| 60° | 4290.2 | 4369.4 | 4934.2 | 5892.1 | 7572.0 | 10697.7 | 17207.1 | 17921.1 | 18606.4 | 19286.6 | 19817.9 |
| 62.5° | 2590.5 | 2649.8 | 3147.2 | 4059.8 | 5838.8 | 8703.0 | 15449.6 | 16386.1 | 17395.0 | 18208.0 | 19022.3 |
| 65° | 1612.6 | 1646.0 | 1829.9 | 2331.8 | 3749.8 | 6497.4 | 12623.2 | 13644.0 | 14730.5 | 15762.4 | 16608.9 |
| 67.5° | 1320.1 | 1332.0 | 1365.9 | 1472.9 | 2059.2 | 4236.9 | 9395.1 | 10299.3 | 11280.0 | 12278.1 | 13220.1 |
| 70° | 1187.2 | 1179.2 | 1179.2 | 1186.0 | 1320.1 | 2278.0 | 6151.2 | 6740.2 | 7557.3 | 8425.3 | 9286.5 |
| 72.5° | 1071.8 | 1063.8 | 1049.1 | 1029.2 | 1077.3 | 1389.7 | 3179.5 | 3623.6 | 4212.6 | 4983.9 | 5808.9 |
| 75° | 963.1 | 952.4 | 935.3 | 909.8 | 943.2 | 1049.1 | 1526.7 | 1713.3 | 2000.3 | 2411.0 | 2871.0 |
| 77.5° | 850.5 | 837.0 | 821.0 | 802.3 | 845.3 | 815.9 | 894.7 | 961.9 | 1071.8 | 1203.5 | 1376.6 |
| 80° | 723.1 | 711.2 | 705.6 | 696.5 | 747.4 | 621.2 | 632.0 | 673.4 | 737.9 | 809.1 | 889.5 |
| 82.5° | 566.3 | 566.3 | 587.4 | 591.8 | 647.9 | 446.9 | 472.4 | 508.6 | 542.1 | 579.5 | 617.3 |
| 85° | 372.9 | 375.7 | 448.1 | 476.4 | 511.0 | 300.5 | 354.2 | 366.1 | 393.2 | 414.7 | 430.6 |
| 87.5° | 116.6 | 126.2 | 273.8 | 303.3 | 293.7 | 170.3 | 217.3 | 222.9 | 241.6 | 256.3 | 269.8 |
| 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: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 |
| 2.5° | 2555.8 | 2539.5 | 2524.8 | 2523.6 | 2512.9 | 2498.1 | 2503.3 | 2480.6 | 2481.8 | 2469.9 | 2456.3 |
| 5° | 3005.2 | 2994.4 | 2940.7 | 2926.0 | 2885.8 | 2860.3 | 2856.3 | 2802.6 | 2795.8 | 2765.2 | 2731.3 |
| 7.5° | 3651.9 | 3616.9 | 3541.6 | 3505.4 | 3437.0 | 3386.0 | 3362.1 | 3290.9 | 3255.9 | 3175.5 | 3139.3 |
| 10° | 4329.2 | 4285.1 | 4192.3 | 4141.4 | 4075.7 | 3993.7 | 3949.6 | 3846.5 | 3805.9 | 3732.3 | 3643.9 |
| 12.5° | 4957.3 | 4913.1 | 4817.6 | 4778.6 | 4691.4 | 4604.2 | 4556.1 | 4439.5 | 4386.9 | 4268.7 | 4199.1 |
| 15° | 5537.9 | 5493.7 | 5410.6 | 5370.4 | 5283.2 | 5212.0 | 5147.5 | 5032.5 | 4970.8 | 4860.5 | 4769.4 |
| 17.5° | 6101.4 | 6054.5 | 5982.1 | 5945.8 | 5861.5 | 5789.0 | 5719.4 | 5610.3 | 5547.5 | 5437.6 | 5355.6 |
| 20° | 6624.8 | 6589.8 | 6537.6 | 6489.1 | 6404.7 | 6339.0 | 6255.9 | 6161.9 | 6070.8 | 5990.0 | 5912.4 |
| 22.5° | 7080.9 | 7067.3 | 7011.2 | 6989.7 | 6917.3 | 6860.8 | 6788.4 | 6696.0 | 6630.0 | 6528.1 | 6455.6 |
| 25° | 7474.1 | 7470.1 | 7443.0 | 7436.3 | 7385.3 | 7331.6 | 7315.7 | 7239.3 | 7178.8 | 7088.8 | 7014.0 |
| 27.5° | 7812.0 | 7815.9 | 7809.6 | 7828.3 | 7814.8 | 7790.5 | 7792.1 | 7766.6 | 7731.6 | 7656.4 | 7590.7 |
| 30° | 8187.7 | 8166.2 | 8178.5 | 8205.2 | 8213.1 | 8215.9 | 8260.1 | 8274.8 | 8272.4 | 8222.7 | 8190.4 |
| 32.5° | 8719.0 | 8668.0 | 8621.1 | 8617.1 | 8643.7 | 8654.5 | 8729.7 | 8768.7 | 8802.1 | 8814.1 | 8819.7 |
| 35° | 9396.3 | 9294.4 | 9196.5 | 9144.4 | 9098.6 | 9110.6 | 9164.3 | 9227.6 | 9301.2 | 9352.2 | 9412.6 |
| 37.5° | 10249.6 | 10125.0 | 9951.9 | 9828.5 | 9797.5 | 9730.6 | 9765.3 | 9815.0 | 9887.4 | 9966.6 | 10071.3 |
| 40° | 11284.0 | 11094.9 | 10900.3 | 10736.7 | 10648.4 | 10524.6 | 10523.4 | 10513.9 | 10558.4 | 10632.1 | 10779.7 |
| 42.5° | 12279.7 | 12111.8 | 11905.2 | 11733.7 | 11618.3 | 11453.1 | 11419.7 | 11332.5 | 11352.4 | 11416.9 | 11560.6 |
| 45° | 13211.8 | 13073.7 | 12947.5 | 12749.3 | 12651.0 | 12472.7 | 12416.2 | 12313.1 | 12255.4 | 12284.9 | 12428.5 |
| 47.5° | 14114.8 | 14026.4 | 13894.7 | 13766.2 | 13690.9 | 13531.4 | 13458.9 | 13384.9 | 13311.3 | 13308.5 | 13458.9 |
| 50° | 15875.1 | 15828.1 | 15672.5 | 15538.4 | 15574.6 | 15378.8 | 15390.7 | 15192.1 | 15282.1 | 15292.8 | 15608.0 |
| 52.5° | 17529.1 | 17693.0 | 17808.5 | 17948.9 | 18040.5 | 18058.0 | 18118.1 | 18208.0 | 18316.7 | 18531.2 | 18823.7 |
| 55° | 18476.3 | 18681.6 | 18801.0 | 18908.5 | 19085.6 | 19123.0 | 19223.7 | 19343.1 | 19438.2 | 19679.8 | 19928.1 |
| 57.5° | 19602.2 | 19983.0 | 20168.1 | 20338.4 | 20577.2 | 20668.3 | 20836.3 | 20966.4 | 21089.8 | 21375.6 | 21676.0 |
| 60° | 20295.4 | 20759.9 | 21136.8 | 21406.2 | 21705.5 | 21920.4 | 22173.9 | 22377.7 | 22667.4 | 23009.7 | 23457.8 |
| 62.5° | 19744.2 | 20425.6 | 20926.2 | 21389.1 | 21795.4 | 22206.1 | 22569.5 | 22950.8 | 23390.5 | 23908.3 | 24603.6 |
| 65° | 17548.2 | 18241.5 | 19098.7 | 19579.1 | 20117.1 | 20750.3 | 21303.1 | 21920.4 | 22519.8 | 23273.9 | 24301.5 |
| 67.5° | 14127.1 | 14933.0 | 15896.6 | 16380.9 | 16999.4 | 17706.2 | 18326.2 | 19080.0 | 19780.4 | 20693.8 | 21964.6 |
| 70° | 10182.7 | 11225.1 | 12035.3 | 12541.2 | 13263.1 | 13991.4 | 14590.0 | 15467.1 | 16046.6 | 16983.0 | 18296.8 |
| 72.5° | 6447.7 | 7269.9 | 8262.9 | 8900.0 | 9541.2 | 10279.4 | 10891.1 | 11647.7 | 12188.2 | 13041.4 | 14231.4 |
| 75° | 3466.8 | 4072.9 | 4944.9 | 5550.2 | 6237.2 | 6867.6 | 7583.9 | 8091.0 | 8490.9 | 9165.9 | 10131.8 |
| 77.5° | 1624.6 | 1993.5 | 2434.8 | 2900.5 | 3366.1 | 3851.7 | 4324.1 | 4734.4 | 4906.3 | 5292.7 | 5862.7 |
| 80° | 986.2 | 1105.6 | 1234.1 | 1377.8 | 1572.4 | 1729.2 | 1937.4 | 2087.4 | 2098.2 | 2220.3 | 2394.7 |
| 82.5° | 658.7 | 702.8 | 741.8 | 778.1 | 827.8 | 866.8 | 911.0 | 963.1 | 984.6 | 1012.9 | 1069.4 |
| 85° | 449.3 | 470.8 | 478.8 | 501.9 | 496.3 | 509.8 | 527.3 | 544.8 | 554.0 | 552.8 | 578.3 |
| 87.5° | 276.2 | 286.9 | 292.5 | 297.7 | 293.7 | 288.5 | 296.5 | 306.0 | 308.4 | 300.5 | 303.3 |
| 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: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 85° | 90° | 95° | 105° | 115° | 125° |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 |
| 2.5° | 2459.1 | 2447.2 | 2434.8 | 2426.9 | 2424.1 | 2353.3 | 2322.2 | 2302.3 | 2259.3 | 2224.3 | 2196.1 |
| 5° | 2712.6 | 2687.2 | 2667.3 | 2643.0 | 2629.5 | 2449.6 | 2383.9 | 2338.5 | 2263.3 | 2219.1 | 2178.5 |
| 7.5° | 3120.6 | 3049.3 | 3007.9 | 2961.0 | 2920.8 | 2596.0 | 2487.4 | 2416.1 | 2311.5 | 2252.6 | 2206.8 |
| 10° | 3583.4 | 3509.8 | 3443.7 | 3371.3 | 3308.4 | 2790.6 | 2632.2 | 2522.0 | 2383.9 | 2307.5 | 2247.0 |
| 12.5° | 4100.0 | 4027.6 | 3944.4 | 3851.7 | 3771.3 | 3037.4 | 2817.3 | 2660.5 | 2471.1 | 2369.2 | 2284.8 |
| 15° | 4710.5 | 4582.8 | 4482.1 | 4375.0 | 4281.1 | 3332.7 | 3033.4 | 2816.1 | 2563.8 | 2425.7 | 2313.1 |
| 17.5° | 5277.6 | 5143.5 | 5007.0 | 4913.1 | 4804.4 | 3663.8 | 3250.7 | 2974.1 | 2640.2 | 2461.9 | 2318.2 |
| 20° | 5832.0 | 5685.6 | 5567.8 | 5441.6 | 5327.4 | 4007.3 | 3482.7 | 3113.8 | 2690.0 | 2463.1 | 2284.8 |
| 22.5° | 6320.3 | 6228.8 | 6097.5 | 5960.6 | 5845.1 | 4350.7 | 3700.0 | 3232.0 | 2708.7 | 2432.5 | 2225.5 |
| 25° | 6875.5 | 6779.2 | 6618.0 | 6502.6 | 6374.1 | 4701.0 | 3913.3 | 3323.1 | 2697.9 | 2374.8 | 2134.4 |
| 27.5° | 7468.5 | 7361.5 | 7196.3 | 7075.7 | 6920.1 | 5064.3 | 4109.2 | 3388.8 | 2657.7 | 2280.8 | 2012.2 |
| 30° | 8087.0 | 7989.1 | 7826.7 | 7704.9 | 7547.7 | 5449.6 | 4328.0 | 3433.0 | 2577.3 | 2150.7 | 1870.1 |
| 32.5° | 8751.2 | 8669.2 | 8508.4 | 8381.1 | 8213.1 | 5866.6 | 4531.8 | 3446.5 | 2455.1 | 1996.3 | 1720.1 |
| 35° | 9381.6 | 9325.5 | 9189.8 | 9070.4 | 8896.1 | 6261.0 | 4747.9 | 3439.7 | 2310.3 | 1827.1 | 1583.2 |
| 37.5° | 10091.6 | 10057.8 | 9990.9 | 9839.3 | 9626.0 | 6796.3 | 5007.0 | 3411.5 | 2133.2 | 1659.6 | 1478.5 |
| 40° | 10848.2 | 10851.0 | 10778.5 | 10675.0 | 10476.5 | 7445.8 | 5315.4 | 3356.6 | 1939.8 | 1511.9 | 1383.0 |
| 42.5° | 11648.9 | 11690.7 | 11655.7 | 11582.0 | 11391.4 | 8100.5 | 5684.4 | 3289.7 | 1752.3 | 1368.3 | 1289.5 |
| 45° | 12566.6 | 12617.6 | 12671.3 | 12562.7 | 12377.6 | 8964.5 | 6169.9 | 3202.6 | 1549.3 | 1248.9 | 1225.0 |
| 47.5° | 13625.3 | 13705.7 | 13753.8 | 13755.4 | 13570.4 | 10035.1 | 6958.7 | 3150.0 | 1369.9 | 1168.5 | 1193.9 |
| 50° | 15858.7 | 15884.6 | 15998.4 | 16197.0 | 16054.9 | 12512.9 | 8336.5 | 3117.8 | 1247.7 | 1118.7 | 1171.3 |
| 52.5° | 19077.2 | 19357.8 | 19555.2 | 19541.7 | 19348.2 | 14086.5 | 9095.9 | 2951.4 | 1175.2 | 1100.0 | 1160.5 |
| 55° | 20388.2 | 20738.4 | 21103.3 | 21199.6 | 21049.6 | 15429.7 | 9813.8 | 2785.1 | 1140.2 | 1113.6 | 1164.5 |
| 57.5° | 22134.9 | 22725.1 | 23225.8 | 23436.3 | 23219.0 | 17148.2 | 10758.2 | 2697.9 | 1129.5 | 1149.8 | 1190.0 |
| 60° | 24175.4 | 24905.2 | 25562.7 | 25940.8 | 25940.8 | 19123.0 | 11737.7 | 2661.7 | 1114.7 | 1203.5 | 1232.9 |
| 62.5° | 25486.3 | 26558.1 | 27551.0 | 28105.0 | 28088.7 | 20498.0 | 12172.2 | 2538.3 | 1081.3 | 1240.9 | 1291.8 |
| 65° | 25491.5 | 26766.2 | 28031.0 | 28653.8 | 28685.7 | 20329.3 | 11454.7 | 2241.8 | 1019.6 | 1246.5 | 1351.1 |
| 67.5° | 23366.7 | 24725.4 | 26199.9 | 26896.3 | 27057.1 | 18713.9 | 9915.7 | 1843.4 | 918.9 | 1192.7 | 1372.6 |
| 70° | 19734.7 | 21061.5 | 22566.7 | 23251.2 | 23537.0 | 15952.7 | 7986.3 | 1420.8 | 790.4 | 1074.5 | 1328.1 |
| 72.5° | 15547.5 | 16848.9 | 17896.8 | 18397.1 | 18619.9 | 12193.7 | 5815.7 | 1073.4 | 647.9 | 905.4 | 1208.7 |
| 75° | 11007.8 | 11984.4 | 12541.2 | 12652.6 | 12687.2 | 7350.7 | 3533.7 | 798.3 | 534.1 | 704.4 | 1020.8 |
| 77.5° | 6212.9 | 6631.6 | 6585.8 | 6635.5 | 6222.4 | 2837.6 | 1539.0 | 571.5 | 440.2 | 535.3 | 791.6 |
| 80° | 2425.7 | 2500.9 | 2349.3 | 2302.3 | 2111.7 | 1055.8 | 679.0 | 398.4 | 351.4 | 405.1 | 554.0 |
| 82.5° | 1069.4 | 1104.0 | 1071.8 | 1080.1 | 1033.2 | 544.8 | 406.3 | 288.5 | 268.2 | 296.5 | 367.7 |
| 85° | 589.0 | 599.8 | 597.0 | 614.5 | 589.0 | 217.3 | 193.0 | 177.1 | 187.8 | 201.4 | 236.0 |
| 87.5° | 286.9 | 289.7 | 280.6 | 295.3 | 285.8 | 109.8 | 95.1 | 100.7 | 109.8 | 112.6 | 112.6 |
| 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: P301722

CATALOG NUMBER: GLNA-AF-08-LED-E1-T2R-7027-600

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 | 2303.5 |
| 2.5° | 2176.2 | 2165.4 | 2166.6 | 2163.8 | 2158.6 | 2158.6 |
| 5° | 2157.5 | 2146.7 | 2146.7 | 2143.9 | 2137.2 | 2138.4 |
| 7.5° | 2176.2 | 2158.6 | 2151.9 | 2142.3 | 2133.2 | 2133.2 |
| 10° | 2197.7 | 2166.6 | 2147.9 | 2132.0 | 2119.6 | 2119.6 |
| 12.5° | 2213.6 | 2165.4 | 2134.4 | 2112.9 | 2100.9 | 2100.9 |
| 15° | 2219.1 | 2155.9 | 2112.9 | 2087.4 | 2076.7 | 2075.5 |
| 17.5° | 2201.6 | 2119.6 | 2067.5 | 2038.1 | 2024.5 | 2020.5 |
| 20° | 2147.9 | 2054.0 | 1991.1 | 1957.3 | 1938.6 | 1931.8 |
| 22.5° | 2067.5 | 1960.1 | 1886.4 | 1851.4 | 1827.1 | 1823.2 |
| 25° | 1954.9 | 1839.5 | 1767.0 | 1733.2 | 1720.1 | 1715.7 |
| 27.5° | 1823.2 | 1715.7 | 1654.0 | 1632.5 | 1620.6 | 1619.4 |
| 30° | 1698.6 | 1607.0 | 1561.7 | 1545.4 | 1530.6 | 1528.2 |
| 32.5° | 1581.6 | 1523.9 | 1506.8 | 1483.7 | 1449.0 | 1445.1 |
| 35° | 1498.4 | 1493.2 | 1481.3 | 1429.9 | 1387.4 | 1375.0 |
| 37.5° | 1447.5 | 1497.2 | 1435.5 | 1334.8 | 1304.2 | 1301.4 |
| 40° | 1418.0 | 1455.8 | 1349.6 | 1314.9 | 1317.3 | 1314.9 |
| 42.5° | 1351.1 | 1389.7 | 1352.3 | 1336.4 | 1346.8 | 1349.6 |
| 45° | 1283.9 | 1326.9 | 1372.6 | 1361.9 | 1387.4 | 1387.4 |
| 47.5° | 1246.5 | 1310.6 | 1371.0 | 1371.0 | 1408.9 | 1422.0 |
| 50° | 1203.5 | 1297.4 | 1349.6 | 1368.3 | 1398.1 | 1387.4 |
| 52.5° | 1200.7 | 1274.3 | 1318.9 | 1352.3 | 1365.9 | 1353.5 |
| 55° | 1204.7 | 1255.6 | 1287.9 | 1325.7 | 1341.6 | 1342.8 |
| 57.5° | 1210.3 | 1244.9 | 1266.4 | 1283.9 | 1332.0 | 1332.0 |
| 60° | 1223.4 | 1235.7 | 1247.7 | 1257.2 | 1320.1 | 1321.3 |
| 62.5° | 1244.9 | 1226.2 | 1223.4 | 1232.9 | 1313.3 | 1308.2 |
| 65° | 1278.7 | 1212.6 | 1192.7 | 1201.9 | 1306.6 | 1290.7 |
| 67.5° | 1324.1 | 1192.7 | 1153.7 | 1160.5 | 1301.4 | 1266.4 |
| 70° | 1365.9 | 1160.5 | 1105.6 | 1098.8 | 1250.5 | 1188.8 |
| 72.5° | 1369.9 | 1123.1 | 1038.3 | 1018.4 | 1086.9 | 1027.6 |
| 75° | 1302.6 | 1097.2 | 964.7 | 905.4 | 897.4 | 889.5 |
| 77.5° | 1174.0 | 1082.5 | 878.7 | 786.0 | 770.1 | 775.3 |
| 80° | 982.2 | 1027.6 | 775.3 | 665.4 | 752.6 | 743.4 |
| 82.5° | 733.9 | 907.0 | 658.7 | 589.0 | 587.4 | 519.4 |
| 85° | 407.9 | 707.2 | 536.5 | 441.4 | 307.2 | 297.7 |
| 87.5° | 114.2 | 393.2 | 375.7 | 249.5 | 170.3 | 177.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)