

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: P299018

Luminaire Tested: **GLNA-AF-08-LED-E1-SLL-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P299018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P191289)
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-SLL-7030-600
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill
Light Eliminator Left OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26626.3 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

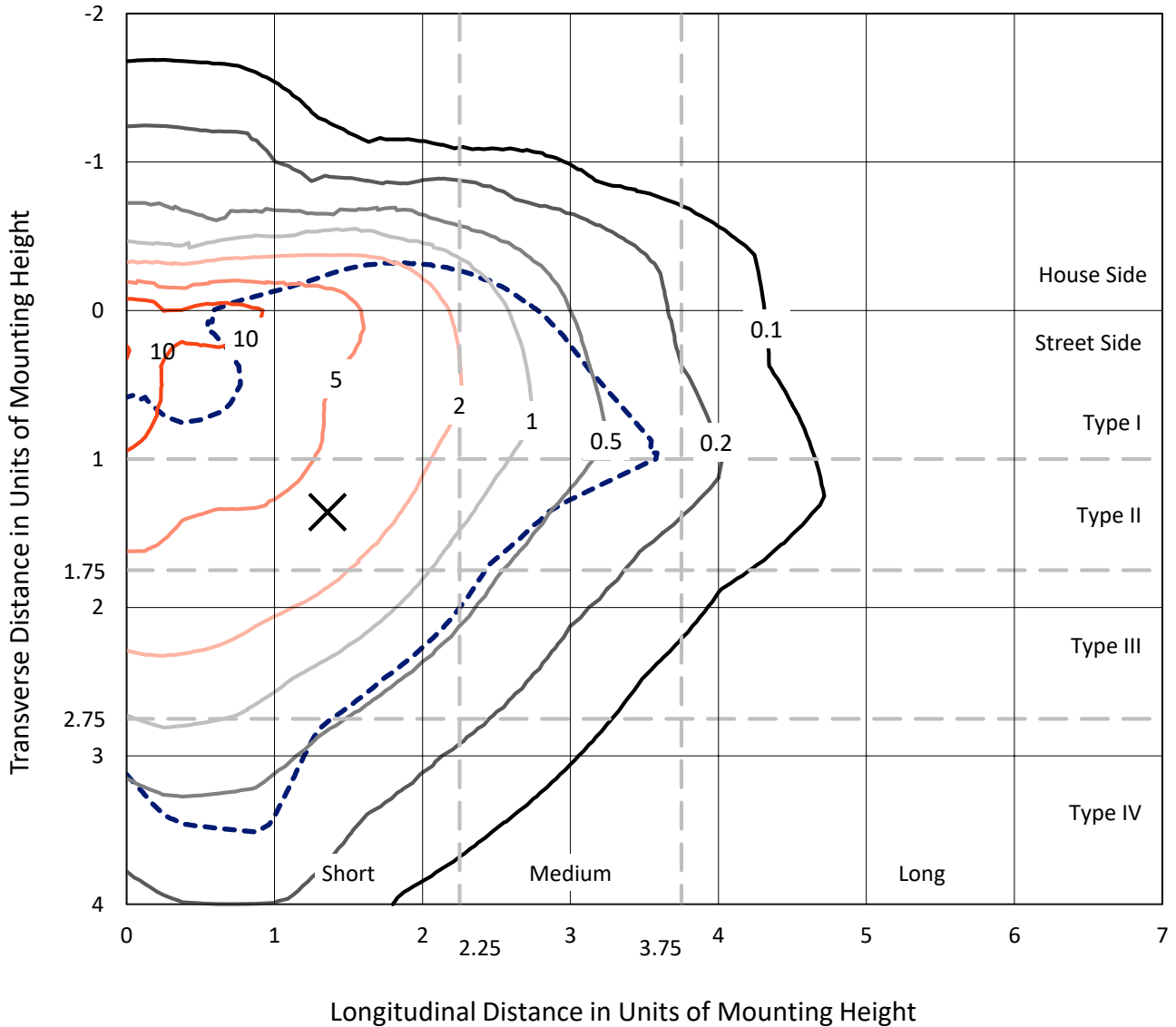
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P299018
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

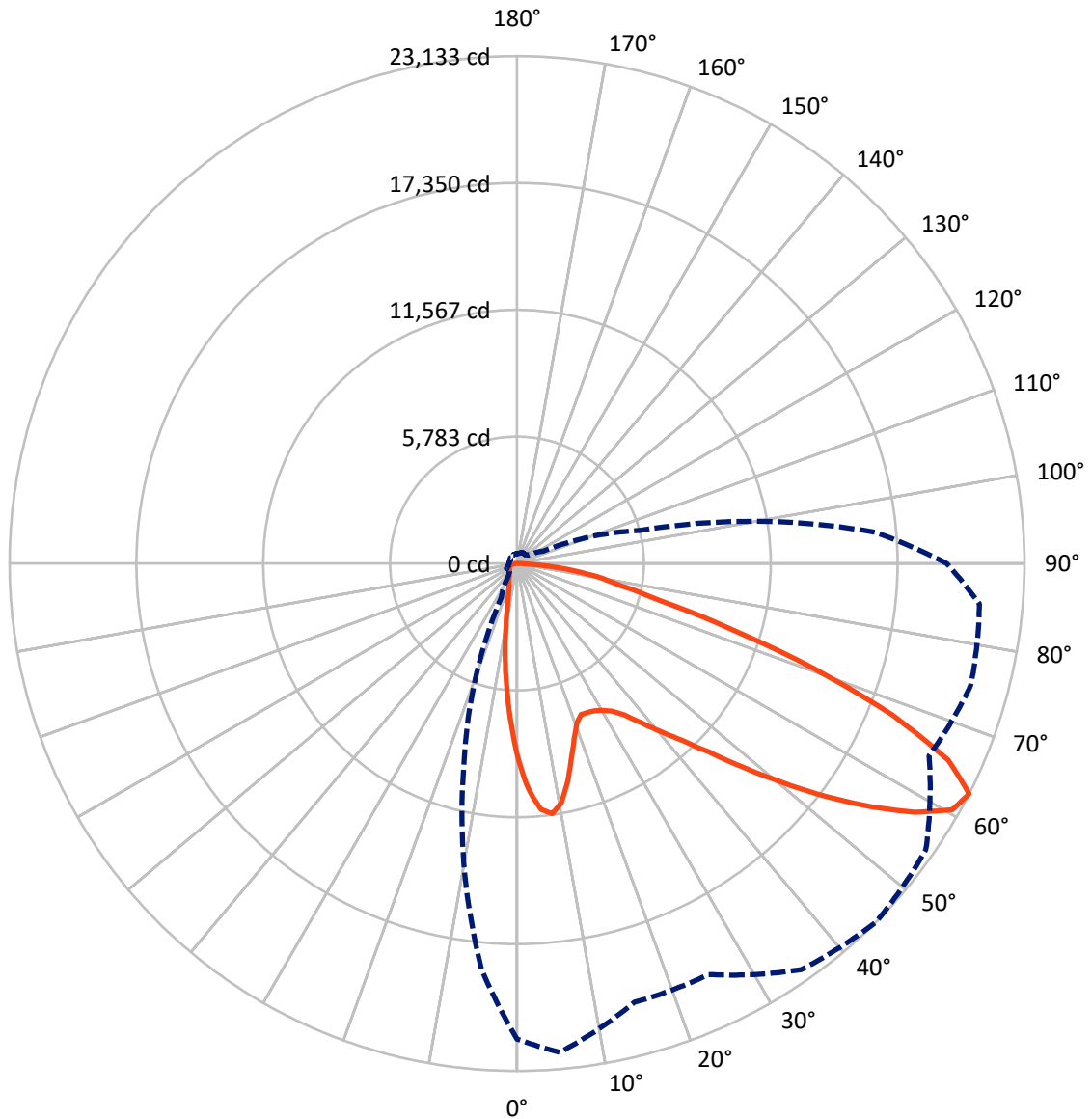


Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4406.3 | 0.0 | 4406.3 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 22220.0 | 0.0 | 22220.0 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 26626.3 | 0.0 | 26626.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 654.9 | 2.5 |
| 10°-20° | 1200.8 | 4.5 |
| 20°-30° | 1750.8 | 6.6 |
| 30°-40° | 2696.5 | 10.1 |
| 40°-50° | 3968.5 | 14.9 |
| 50°-60° | 5821.0 | 21.9 |
| 60°-70° | 6507.0 | 24.4 |
| 70°-80° | 3185.7 | 12.0 |
| 80°-90° | 841.1 | 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° | 26626.3 | 100.0 |
| 0°-180° | 26626.3 | 100.0 |

Coefficient of Utilization



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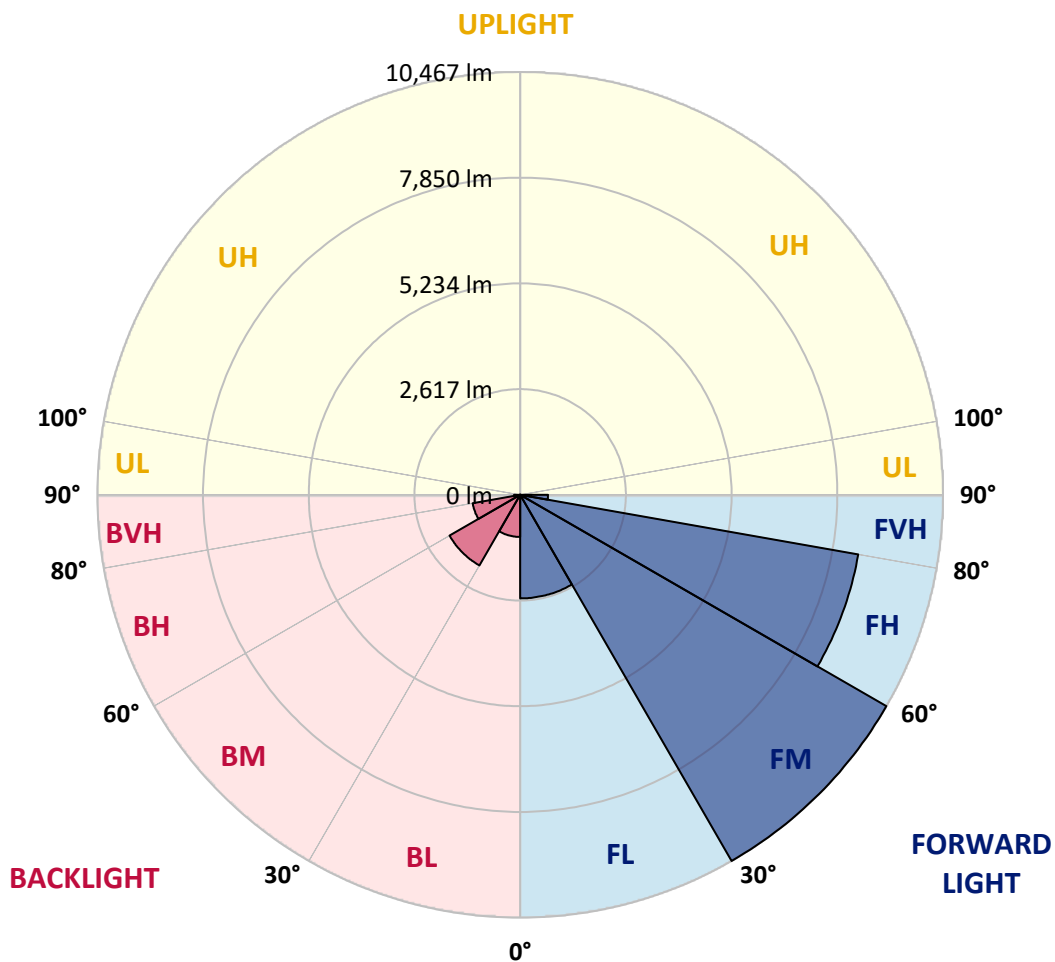
CATALOG NUMBER: GLNA-AF-08-LED-E1-SLL-7030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 2564.0 | 9.6 | | | |
| FM | (30°-60°) | 10467.1 | 39.3 | | | |
| FH | (60°-80°) | 8498.2 | 31.9 | | | G4/12000 |
| FVH | (80°-90°) | 690.7 | 2.6 | | | G4/750 |
| BL | (0°-30°) | 1042.5 | 3.9 | B3/2500 | | |
| BM | (30°-60°) | 2018.9 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 1194.5 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 150.4 | 0.6 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 |
| 2.5° | 9346.8 | 9496.4 | 9787.7 | 10005.3 | 10270.9 | 10332.2 | 10417.3 | 10333.7 | 10185.9 | 9989.6 | 9925.5 |
| 5° | 8789.4 | 9108.7 | 9815.3 | 10437.7 | 10990.8 | 11248.3 | 11320.6 | 11107.7 | 10679.1 | 10115.6 | 9771.5 |
| 7.5° | 7895.2 | 8348.9 | 9305.9 | 10222.5 | 11037.4 | 11519.2 | 11507.3 | 11014.1 | 10225.3 | 9307.3 | 8755.7 |
| 10° | 7123.5 | 7641.9 | 8740.0 | 9764.4 | 10629.2 | 11096.3 | 10915.7 | 10285.7 | 9343.9 | 8287.2 | 7688.9 |
| 12.5° | 6692.1 | 7200.0 | 8313.8 | 9342.5 | 10065.7 | 10226.7 | 10089.0 | 9471.3 | 8584.1 | 7516.0 | 6991.9 |
| 15° | 6617.0 | 7175.3 | 8144.1 | 8981.4 | 9386.7 | 9246.5 | 9082.1 | 8805.6 | 8178.8 | 7267.0 | 6721.1 |
| 17.5° | 6941.1 | 7555.4 | 8339.0 | 8729.5 | 8660.6 | 8415.9 | 8369.4 | 8400.3 | 8249.6 | 7543.6 | 6914.4 |
| 20° | 7561.6 | 8299.0 | 8802.7 | 8611.2 | 8109.0 | 7772.1 | 7784.0 | 8253.9 | 8700.1 | 8244.9 | 7526.0 |
| 22.5° | 8432.1 | 9274.1 | 9471.3 | 8673.9 | 7876.2 | 7476.6 | 7573.5 | 8334.7 | 9419.0 | 9269.8 | 8351.8 |
| 25° | 9559.2 | 10326.5 | 10184.5 | 8902.0 | 7899.4 | 7513.1 | 7590.6 | 8612.6 | 10267.6 | 10294.2 | 9373.8 |
| 27.5° | 10651.1 | 11362.8 | 10782.7 | 9205.2 | 7996.4 | 7599.6 | 7702.3 | 9049.8 | 11078.7 | 11406.6 | 10541.8 |
| 30° | 11503.0 | 11998.1 | 11019.8 | 9481.7 | 8186.4 | 7767.8 | 7895.2 | 9465.5 | 11447.9 | 12157.3 | 11440.3 |
| 32.5° | 12208.6 | 12564.0 | 11397.5 | 9824.3 | 8536.1 | 8032.5 | 8256.8 | 9970.6 | 11979.1 | 12871.9 | 12319.8 |
| 35° | 13110.0 | 13211.2 | 11867.5 | 10206.3 | 9076.4 | 8493.9 | 8771.8 | 10465.3 | 12485.6 | 13593.2 | 13186.5 |
| 37.5° | 14167.2 | 14037.0 | 12310.8 | 10729.0 | 9774.9 | 9215.1 | 9445.1 | 11008.4 | 12902.3 | 14411.4 | 14071.7 |
| 40° | 15212.1 | 14898.5 | 12867.7 | 11539.6 | 10793.6 | 10065.7 | 10337.9 | 11588.1 | 13292.0 | 15231.1 | 14937.0 |
| 42.5° | 16100.6 | 15636.4 | 13416.0 | 12431.0 | 11741.5 | 11004.1 | 11329.1 | 12172.0 | 13663.5 | 15930.5 | 15687.7 |
| 45° | 16757.7 | 16180.9 | 13938.7 | 13287.2 | 13048.7 | 12250.9 | 12404.9 | 12840.6 | 14066.0 | 16514.9 | 16305.4 |
| 47.5° | 17344.6 | 16728.3 | 14529.7 | 14151.0 | 14191.9 | 13872.6 | 13625.1 | 13619.3 | 14540.7 | 16992.0 | 16889.4 |
| 50° | 18130.5 | 17488.1 | 15165.0 | 15040.5 | 15907.2 | 15694.8 | 15148.9 | 14528.3 | 15140.3 | 17533.7 | 17521.8 |
| 52.5° | 19213.8 | 18691.6 | 15941.0 | 15999.4 | 17509.0 | 17647.7 | 16971.1 | 15620.7 | 16079.7 | 18527.2 | 18457.4 |
| 55° | 20494.8 | 20189.8 | 16998.2 | 17101.8 | 19472.8 | 19572.6 | 18900.2 | 16985.8 | 17461.9 | 19966.5 | 19771.6 |
| 57.5° | 21494.1 | 21429.9 | 18157.1 | 18425.1 | 20939.6 | 21387.6 | 20769.9 | 18567.1 | 19019.0 | 21178.1 | 20689.2 |
| 60° | 21892.3 | 22204.0 | 19391.0 | 19759.8 | 22296.6 | 22792.2 | 22251.0 | 19955.5 | 20399.3 | 21680.3 | 20626.4 |
| 62.5° | 21677.5 | 22373.6 | 20705.3 | 20674.4 | 22599.3 | 23133.4 | 22752.8 | 20728.6 | 21422.8 | 21161.9 | 19583.0 |
| 65° | 20683.5 | 21763.5 | 21467.9 | 20438.8 | 21563.0 | 21606.7 | 21483.6 | 20383.2 | 21664.2 | 19524.1 | 17565.5 |
| 67.5° | 18518.2 | 20072.9 | 20463.5 | 18419.4 | 18767.2 | 18482.1 | 18275.4 | 18492.1 | 20405.0 | 17069.4 | 14762.6 |
| 70° | 15083.3 | 17422.5 | 17609.2 | 14732.2 | 14573.9 | 14382.0 | 13971.0 | 15160.7 | 17921.4 | 13990.0 | 11714.0 |
| 72.5° | 11090.6 | 13549.5 | 14124.4 | 10805.0 | 10073.3 | 10112.2 | 9787.7 | 11425.1 | 14571.1 | 10392.1 | 8745.7 |
| 75° | 7587.7 | 9811.0 | 11051.1 | 7539.3 | 6661.7 | 6677.3 | 6636.0 | 8095.7 | 11605.6 | 7229.0 | 6544.3 |
| 77.5° | 5543.2 | 7009.5 | 8334.7 | 5068.5 | 4920.7 | 4829.9 | 4808.1 | 5664.3 | 8897.7 | 5249.0 | 5081.8 |
| 80° | 4447.9 | 5178.7 | 5598.3 | 3512.8 | 3777.5 | 3770.3 | 3648.7 | 3894.8 | 5810.7 | 3839.2 | 3800.8 |
| 82.5° | 3085.7 | 3979.9 | 4535.8 | 2753.0 | 2549.7 | 2506.9 | 2536.8 | 2900.8 | 4107.2 | 2624.3 | 2495.5 |
| 85° | 1627.9 | 2643.3 | 4492.1 | 2439.9 | 1513.4 | 1207.4 | 1502.0 | 2375.3 | 3558.4 | 1390.8 | 1217.3 |
| 87.5° | 208.1 | 764.0 | 2974.0 | 973.6 | 597.3 | 321.7 | 713.2 | 1337.6 | 2285.0 | 283.7 | 247.6 |
| 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-08-LED-E1-SLL-7030-600

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 |
| 2.5° | 9760.1 | 9565.3 | 9310.6 | 9074.5 | 8830.3 | 8587.0 | 8269.6 | 8070.5 | 7933.2 | 7906.6 | 7848.6 |
| 5° | 9523.0 | 8875.9 | 8386.9 | 7964.1 | 7580.6 | 7038.5 | 6738.6 | 6489.7 | 6356.6 | 6343.8 | 6311.5 |
| 7.5° | 8429.2 | 7536.4 | 6876.4 | 6277.7 | 5734.6 | 5297.0 | 4813.8 | 4589.0 | 4496.4 | 4518.2 | 4540.1 |
| 10° | 7291.7 | 6293.9 | 5535.5 | 4923.5 | 4445.1 | 4076.3 | 3688.6 | 3426.8 | 3244.8 | 3208.2 | 3201.1 |
| 12.5° | 6460.7 | 5365.9 | 4629.9 | 4197.5 | 3827.8 | 3480.5 | 3069.5 | 2760.2 | 2525.0 | 2444.2 | 2390.5 |
| 15° | 6109.1 | 4912.1 | 4141.0 | 3675.3 | 3266.7 | 2826.2 | 2444.2 | 2120.6 | 1904.4 | 1834.1 | 1794.7 |
| 17.5° | 6184.1 | 4786.2 | 3804.1 | 3208.2 | 2686.0 | 2226.1 | 1744.8 | 1467.8 | 1337.6 | 1304.3 | 1304.3 |
| 20° | 6576.6 | 4762.9 | 3525.6 | 2778.2 | 2126.3 | 1593.7 | 1198.8 | 1040.6 | 998.3 | 994.0 | 1005.4 |
| 22.5° | 7126.8 | 4845.1 | 3318.5 | 2405.2 | 1652.6 | 1163.7 | 933.7 | 875.2 | 856.2 | 861.0 | 873.8 |
| 25° | 7946.5 | 5121.7 | 3167.9 | 2072.6 | 1296.7 | 952.7 | 832.5 | 797.8 | 788.8 | 800.6 | 816.8 |
| 27.5° | 8918.2 | 5398.2 | 3073.8 | 1822.2 | 1094.8 | 871.0 | 791.6 | 755.5 | 761.2 | 775.9 | 790.2 |
| 30° | 9771.5 | 5625.4 | 2926.0 | 1644.0 | 1032.0 | 875.2 | 791.6 | 742.2 | 736.5 | 739.3 | 743.6 |
| 32.5° | 10537.5 | 5778.8 | 2753.0 | 1473.9 | 890.0 | 777.4 | 739.3 | 732.2 | 699.4 | 687.5 | 689.4 |
| 35° | 11197.5 | 5778.8 | 2649.5 | 1374.6 | 797.8 | 689.4 | 628.2 | 591.6 | 574.9 | 576.4 | 593.0 |
| 37.5° | 11834.2 | 5662.9 | 2598.1 | 1318.6 | 747.9 | 655.7 | 601.5 | 569.2 | 547.4 | 543.1 | 546.0 |
| 40° | 12395.8 | 5494.7 | 2539.7 | 1295.3 | 709.9 | 635.3 | 584.4 | 557.4 | 534.1 | 526.9 | 528.4 |
| 42.5° | 12846.7 | 5358.3 | 2475.1 | 1264.9 | 686.1 | 620.6 | 572.1 | 548.8 | 522.7 | 515.1 | 513.6 |
| 45° | 13334.3 | 5313.2 | 2390.5 | 1203.1 | 698.0 | 622.0 | 569.2 | 544.5 | 517.9 | 509.4 | 506.5 |
| 47.5° | 13976.7 | 5455.2 | 2302.6 | 1129.9 | 723.2 | 629.6 | 573.5 | 544.5 | 516.5 | 509.4 | 506.5 |
| 50° | 14785.9 | 5788.8 | 2190.9 | 1023.0 | 698.0 | 650.0 | 572.1 | 539.8 | 516.5 | 509.4 | 503.7 |
| 52.5° | 15825.5 | 6239.7 | 2045.1 | 900.4 | 683.3 | 699.4 | 569.2 | 531.2 | 509.4 | 499.4 | 488.9 |
| 55° | 17088.5 | 6608.4 | 1870.2 | 799.2 | 650.0 | 686.1 | 565.0 | 521.2 | 498.0 | 483.2 | 474.2 |
| 57.5° | 18013.6 | 6741.5 | 1646.9 | 733.6 | 603.0 | 664.3 | 558.8 | 507.9 | 483.2 | 471.4 | 459.9 |
| 60° | 17830.6 | 6484.0 | 1457.8 | 692.3 | 574.9 | 600.1 | 554.5 | 496.1 | 469.9 | 461.4 | 450.4 |
| 62.5° | 16365.7 | 5810.7 | 1336.1 | 673.3 | 557.4 | 547.4 | 558.8 | 484.7 | 458.5 | 449.0 | 446.2 |
| 65° | 14168.6 | 4816.6 | 1288.1 | 669.0 | 543.1 | 516.5 | 519.8 | 471.4 | 444.7 | 437.6 | 434.8 |
| 67.5° | 11687.4 | 3887.7 | 1245.9 | 683.3 | 524.1 | 494.6 | 480.4 | 453.8 | 431.4 | 424.3 | 418.6 |
| 70° | 9216.6 | 3233.4 | 1226.4 | 674.7 | 500.8 | 472.8 | 457.1 | 434.8 | 415.8 | 408.2 | 403.9 |
| 72.5° | 7421.9 | 2731.2 | 1215.9 | 665.7 | 469.9 | 443.3 | 428.6 | 409.6 | 389.2 | 386.3 | 382.0 |
| 75° | 6281.1 | 2147.2 | 1114.2 | 638.1 | 434.8 | 408.2 | 398.2 | 380.6 | 360.2 | 360.2 | 357.3 |
| 77.5° | 4845.1 | 1552.8 | 926.6 | 565.0 | 398.2 | 368.7 | 360.2 | 346.9 | 323.6 | 327.9 | 326.4 |
| 80° | 3578.9 | 1013.0 | 724.6 | 468.5 | 353.0 | 325.0 | 320.3 | 307.4 | 282.2 | 288.4 | 288.4 |
| 82.5° | 2451.8 | 664.3 | 521.2 | 383.4 | 301.2 | 275.1 | 275.1 | 261.8 | 234.3 | 237.1 | 246.1 |
| 85° | 1231.1 | 457.1 | 389.2 | 297.0 | 234.3 | 220.9 | 220.9 | 211.0 | 182.9 | 184.4 | 196.2 |
| 87.5° | 374.9 | 275.1 | 257.5 | 212.4 | 168.2 | 165.4 | 157.8 | 150.6 | 133.0 | 131.6 | 139.2 |
| 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-08-LED-E1-SLL-7030-600

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 |
| 2.5° | 7758.8 | 7675.2 | 7574.9 | 7352.1 | 7277.5 | 7272.7 | 7340.7 | 7269.9 | 7404.8 | 7347.8 | 7410.5 |
| 5° | 6256.8 | 6175.6 | 6062.5 | 5778.8 | 5605.9 | 5488.5 | 5433.4 | 5269.5 | 5387.8 | 5301.3 | 5373.5 |
| 7.5° | 4601.9 | 4620.9 | 4546.3 | 4379.5 | 4003.2 | 3814.5 | 3703.4 | 3603.6 | 3690.0 | 3681.0 | 3818.8 |
| 10° | 3234.9 | 3285.7 | 3233.4 | 3065.2 | 2760.2 | 2656.6 | 2677.0 | 2716.5 | 2829.5 | 2887.5 | 3099.9 |
| 12.5° | 2328.7 | 2325.9 | 2292.1 | 2141.5 | 1941.0 | 1952.4 | 2036.0 | 2104.5 | 2208.5 | 2270.3 | 2486.5 |
| 15° | 1738.6 | 1712.5 | 1697.7 | 1574.7 | 1460.6 | 1485.8 | 1526.7 | 1533.8 | 1599.8 | 1636.4 | 1812.2 |
| 17.5° | 1314.3 | 1327.6 | 1343.3 | 1255.8 | 1169.4 | 1153.2 | 1121.4 | 1081.5 | 1100.9 | 1108.1 | 1195.5 |
| 20° | 1043.4 | 1096.2 | 1136.1 | 1074.3 | 986.9 | 939.4 | 898.5 | 872.4 | 872.4 | 871.0 | 895.7 |
| 22.5° | 911.8 | 949.8 | 992.6 | 949.8 | 871.0 | 829.6 | 806.3 | 785.9 | 783.1 | 783.1 | 806.3 |
| 25° | 840.5 | 868.1 | 909.0 | 880.0 | 821.1 | 790.2 | 768.3 | 742.2 | 732.2 | 728.9 | 745.0 |
| 27.5° | 804.9 | 816.8 | 837.2 | 810.6 | 761.2 | 746.5 | 740.8 | 717.5 | 703.7 | 696.6 | 713.2 |
| 30° | 745.0 | 742.2 | 743.6 | 717.5 | 677.6 | 676.1 | 686.1 | 690.9 | 686.1 | 684.7 | 709.9 |
| 32.5° | 689.4 | 683.3 | 681.8 | 658.6 | 622.0 | 613.4 | 622.0 | 631.0 | 641.0 | 655.7 | 684.7 |
| 35° | 619.1 | 633.9 | 642.4 | 622.0 | 577.8 | 551.7 | 541.7 | 525.5 | 516.5 | 516.5 | 550.2 |
| 37.5° | 563.5 | 597.3 | 610.6 | 591.6 | 543.1 | 506.5 | 488.9 | 486.1 | 487.5 | 493.2 | 525.5 |
| 40° | 544.5 | 569.2 | 580.6 | 562.1 | 513.6 | 480.4 | 469.9 | 467.1 | 469.9 | 479.0 | 510.8 |
| 42.5° | 532.6 | 550.2 | 548.8 | 525.5 | 486.1 | 462.8 | 457.1 | 453.8 | 457.1 | 465.7 | 500.8 |
| 45° | 522.7 | 534.1 | 522.7 | 494.6 | 458.5 | 446.2 | 447.6 | 446.2 | 449.0 | 458.5 | 491.8 |
| 47.5° | 513.6 | 517.9 | 503.7 | 475.6 | 437.6 | 434.8 | 440.5 | 444.7 | 447.6 | 455.7 | 490.4 |
| 50° | 500.8 | 500.8 | 487.5 | 458.5 | 420.0 | 421.5 | 428.6 | 439.0 | 440.5 | 449.0 | 477.5 |
| 52.5° | 484.7 | 483.2 | 474.2 | 446.2 | 405.3 | 409.6 | 409.6 | 421.5 | 424.3 | 434.8 | 464.2 |
| 55° | 471.4 | 468.5 | 464.2 | 437.6 | 392.5 | 399.6 | 395.3 | 399.6 | 406.7 | 417.2 | 449.0 |
| 57.5° | 459.9 | 453.8 | 453.8 | 430.0 | 382.0 | 384.9 | 374.9 | 380.6 | 389.2 | 398.2 | 431.4 |
| 60° | 447.6 | 441.9 | 444.7 | 420.0 | 365.9 | 363.0 | 358.7 | 370.1 | 373.5 | 383.4 | 417.2 |
| 62.5° | 434.8 | 430.0 | 431.4 | 408.2 | 354.5 | 346.9 | 346.9 | 357.3 | 358.7 | 373.5 | 405.3 |
| 65° | 424.3 | 418.6 | 417.2 | 396.8 | 341.2 | 332.6 | 336.9 | 341.2 | 344.0 | 358.7 | 389.2 |
| 67.5° | 414.3 | 402.5 | 402.5 | 386.3 | 326.4 | 317.4 | 326.4 | 325.0 | 329.8 | 342.6 | 367.3 |
| 70° | 401.0 | 384.9 | 386.3 | 379.2 | 311.7 | 301.2 | 308.9 | 307.4 | 310.3 | 318.8 | 344.0 |
| 72.5° | 380.6 | 367.3 | 370.1 | 367.3 | 297.0 | 282.2 | 285.1 | 285.1 | 285.1 | 292.7 | 318.8 |
| 75° | 354.5 | 344.0 | 353.0 | 360.2 | 279.4 | 259.0 | 261.8 | 261.8 | 257.5 | 261.8 | 294.1 |
| 77.5° | 321.7 | 316.0 | 345.4 | 335.5 | 259.0 | 234.3 | 234.3 | 231.4 | 222.8 | 228.5 | 263.2 |
| 80° | 287.0 | 282.2 | 318.8 | 280.8 | 235.7 | 203.8 | 200.5 | 192.9 | 184.4 | 188.6 | 224.3 |
| 82.5° | 250.4 | 246.1 | 268.0 | 215.2 | 203.8 | 168.2 | 161.1 | 147.8 | 139.2 | 143.5 | 175.3 |
| 85° | 205.3 | 205.3 | 206.7 | 162.5 | 154.9 | 128.8 | 120.2 | 102.6 | 92.2 | 95.0 | 125.9 |
| 87.5° | 146.3 | 150.6 | 139.2 | 111.2 | 92.2 | 71.7 | 66.0 | 55.6 | 46.6 | 54.2 | 66.0 |
| 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: P299018

CATALOG NUMBER: GLNA-AF-08-LED-E1-SLL-7030-600

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 | 8996.1 |
| 2.5° | 7732.7 | 7893.7 | 8076.7 | 8310.4 | 8511.4 | 8840.2 | 9156.7 | 9346.8 |
| 5° | 5781.7 | 6049.7 | 6382.7 | 6812.3 | 7211.9 | 7811.5 | 8407.4 | 8789.4 |
| 7.5° | 4137.6 | 4424.6 | 4784.8 | 5320.3 | 5885.7 | 6650.7 | 7438.5 | 7895.2 |
| 10° | 3424.0 | 3718.1 | 4020.8 | 4382.3 | 4845.1 | 5677.6 | 6608.4 | 7123.5 |
| 12.5° | 2832.4 | 3146.9 | 3473.4 | 3854.0 | 4282.6 | 5026.2 | 6099.1 | 6692.1 |
| 15° | 2167.7 | 2518.8 | 2903.7 | 3385.5 | 3922.4 | 4782.0 | 5973.2 | 6617.0 |
| 17.5° | 1485.8 | 1878.3 | 2350.6 | 2945.0 | 3602.1 | 4702.6 | 6198.9 | 6941.1 |
| 20° | 1023.0 | 1308.6 | 1813.7 | 2510.2 | 3300.9 | 4692.6 | 6631.7 | 7561.6 |
| 22.5° | 856.2 | 983.6 | 1352.3 | 2110.6 | 3073.8 | 4818.5 | 7304.1 | 8432.1 |
| 25° | 791.6 | 868.1 | 1080.0 | 1763.8 | 2908.4 | 5108.4 | 8229.2 | 9559.2 |
| 27.5° | 754.1 | 822.5 | 980.7 | 1537.1 | 2778.2 | 5444.8 | 9129.1 | 10651.1 |
| 30° | 768.3 | 838.6 | 952.7 | 1421.2 | 2601.0 | 5725.6 | 9928.3 | 11503.0 |
| 32.5° | 692.3 | 723.2 | 816.8 | 1318.6 | 2473.7 | 5961.3 | 10627.8 | 12208.6 |
| 35° | 590.1 | 643.8 | 728.9 | 1270.6 | 2476.5 | 6119.5 | 11390.4 | 13110.0 |
| 37.5° | 562.1 | 616.3 | 677.6 | 1253.0 | 2510.2 | 6288.2 | 12265.6 | 14167.2 |
| 40° | 544.5 | 594.4 | 647.2 | 1243.0 | 2542.6 | 6441.7 | 13123.8 | 15212.1 |
| 42.5° | 532.6 | 577.8 | 643.8 | 1207.4 | 2558.7 | 6579.5 | 13828.9 | 16100.6 |
| 45° | 531.2 | 577.8 | 655.7 | 1172.2 | 2583.4 | 6727.2 | 14420.5 | 16757.7 |
| 47.5° | 532.6 | 597.3 | 633.9 | 1129.9 | 2583.4 | 6974.3 | 15114.2 | 17344.6 |
| 50° | 526.9 | 629.6 | 610.6 | 1070.0 | 2523.5 | 7442.8 | 16065.4 | 18130.5 |
| 52.5° | 524.1 | 625.3 | 565.0 | 977.9 | 2419.5 | 8186.4 | 17284.7 | 19213.8 |
| 55° | 516.5 | 603.0 | 532.6 | 840.5 | 2298.3 | 8997.5 | 18590.4 | 20494.8 |
| 57.5° | 509.4 | 534.1 | 515.1 | 720.3 | 2110.6 | 9568.2 | 19488.9 | 21494.1 |
| 60° | 570.7 | 467.1 | 500.8 | 661.4 | 1860.2 | 9724.5 | 19454.2 | 21892.3 |
| 62.5° | 528.4 | 437.6 | 481.8 | 648.6 | 1684.9 | 9285.5 | 18555.3 | 21677.5 |
| 65° | 414.3 | 418.6 | 462.8 | 686.1 | 1637.9 | 8122.3 | 16962.5 | 20683.5 |
| 67.5° | 379.2 | 399.6 | 443.3 | 735.1 | 1642.6 | 6503.0 | 14583.0 | 18518.2 |
| 70° | 357.3 | 379.2 | 421.5 | 759.8 | 1654.0 | 4848.0 | 11529.1 | 15083.3 |
| 72.5° | 332.6 | 351.6 | 396.8 | 764.0 | 1577.5 | 3521.4 | 8886.3 | 11090.6 |
| 75° | 302.7 | 320.3 | 361.6 | 665.7 | 1307.1 | 2442.8 | 6797.6 | 7587.7 |
| 77.5° | 269.4 | 282.2 | 317.4 | 513.6 | 970.7 | 1563.3 | 5102.2 | 5543.2 |
| 80° | 230.0 | 237.1 | 266.6 | 376.3 | 664.3 | 977.9 | 4036.9 | 4447.9 |
| 82.5° | 184.4 | 187.2 | 206.7 | 282.2 | 431.4 | 628.2 | 2703.6 | 3085.7 |
| 85° | 130.2 | 130.2 | 142.1 | 205.3 | 294.1 | 398.2 | 1467.8 | 1627.9 |
| 87.5° | 61.3 | 62.7 | 62.7 | 112.6 | 153.5 | 202.4 | 338.3 | 208.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)