

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: P299449

Luminaire Tested: **GLNA-AF-10-LED-E1-SLR-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P299449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194679)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLNA-AF-10-LED-E1-SLR-7027-800
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K CCT 800mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill
Light Eliminator Right OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36223.9 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 419
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

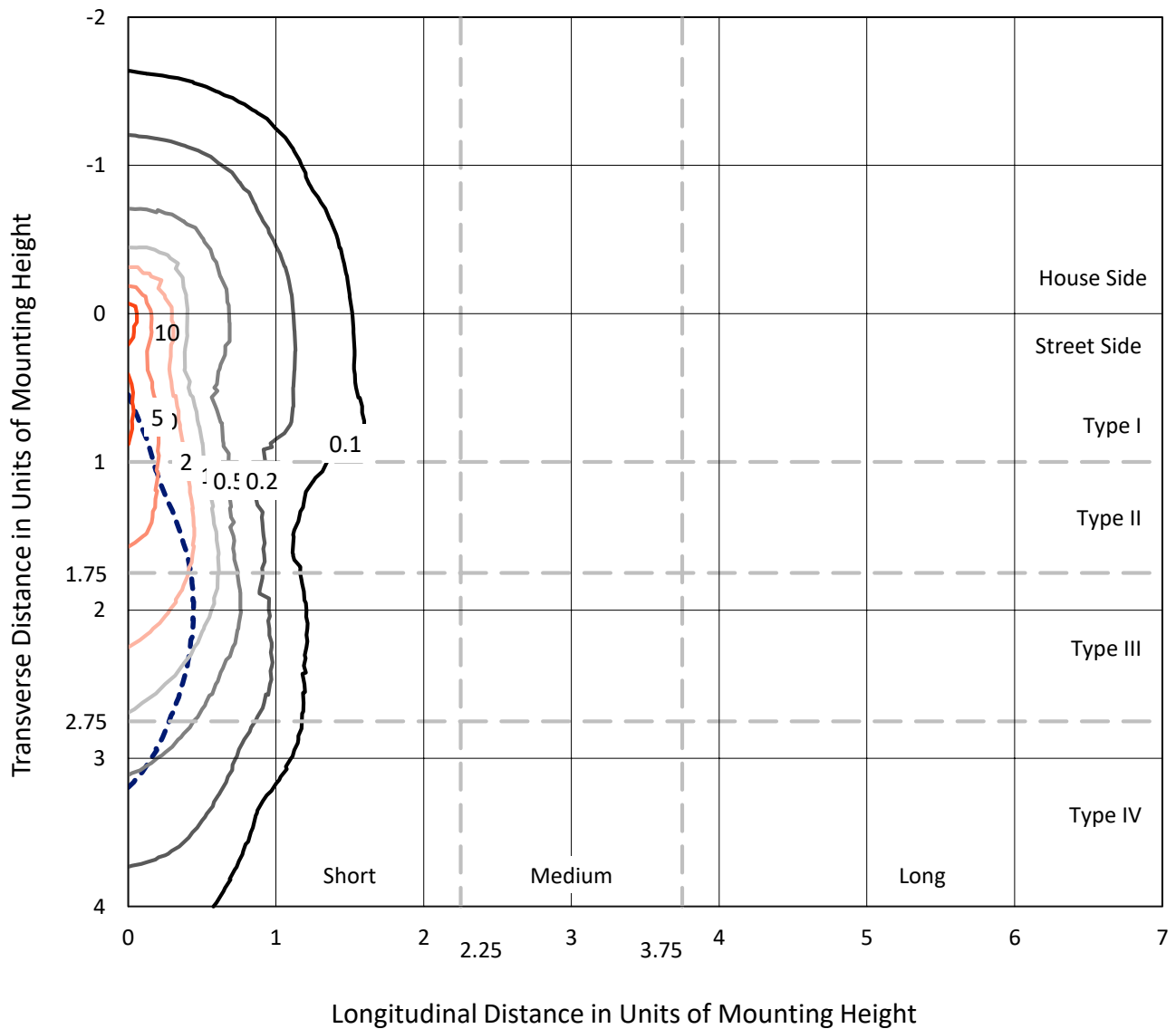


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Iso-Footcandle Lines of Horizontal Illumination

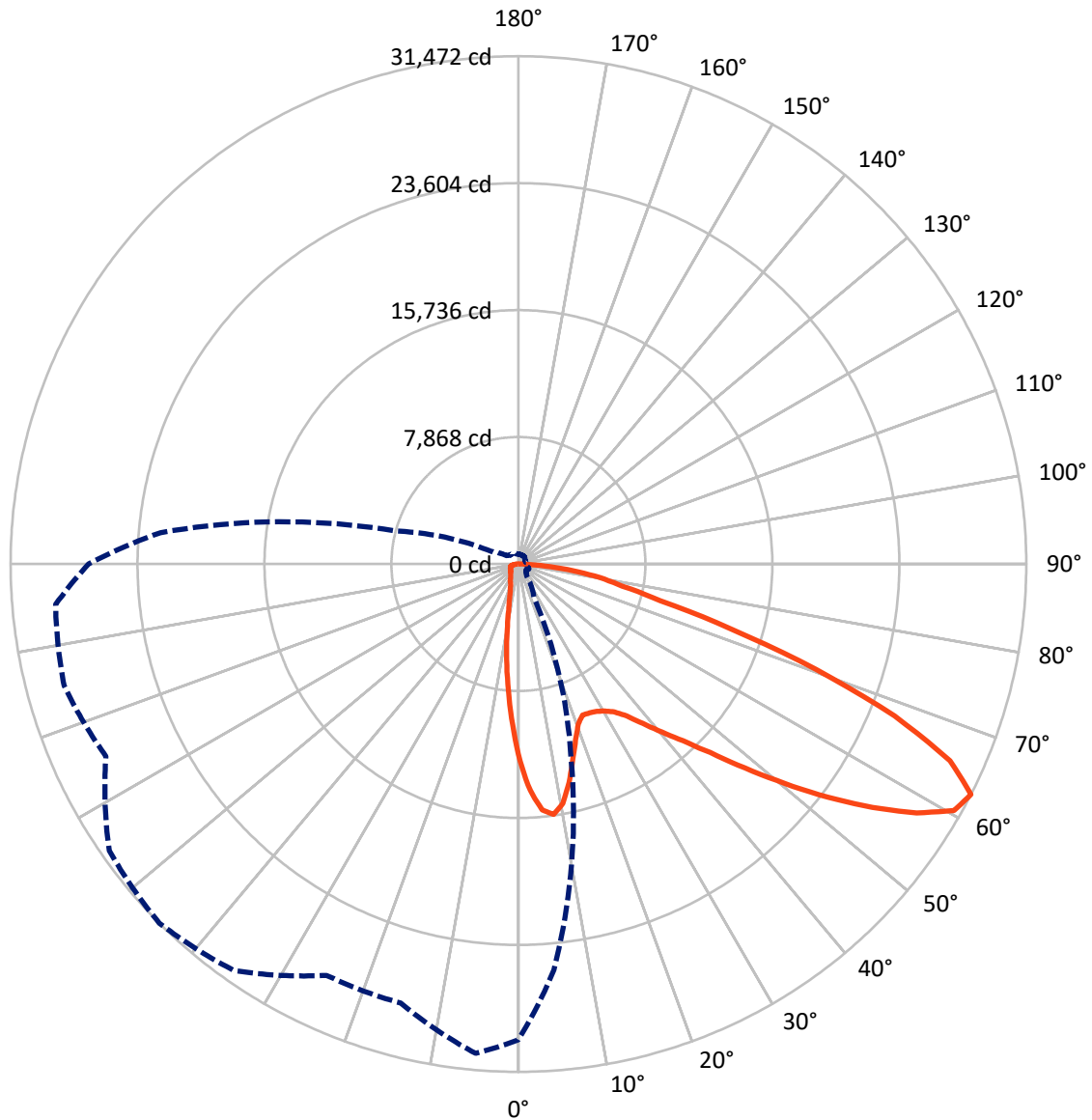
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5994.6 | 0.0 | 5994.6 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 30229.4 | 0.0 | 30229.4 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 36223.9 | 0.0 | 36223.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 890.9 | 2.5 |
| 10°-20° | 1633.7 | 4.5 |
| 20°-30° | 2381.9 | 6.6 |
| 30°-40° | 3668.5 | 10.1 |
| 40°-50° | 5399.0 | 14.9 |
| 50°-60° | 7919.2 | 21.9 |
| 60°-70° | 8852.5 | 24.4 |
| 70°-80° | 4334.1 | 12.0 |
| 80°-90° | 1144.3 | 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° | 36223.9 | 100.0 |
| 0°-180° | 36223.9 | 100.0 |



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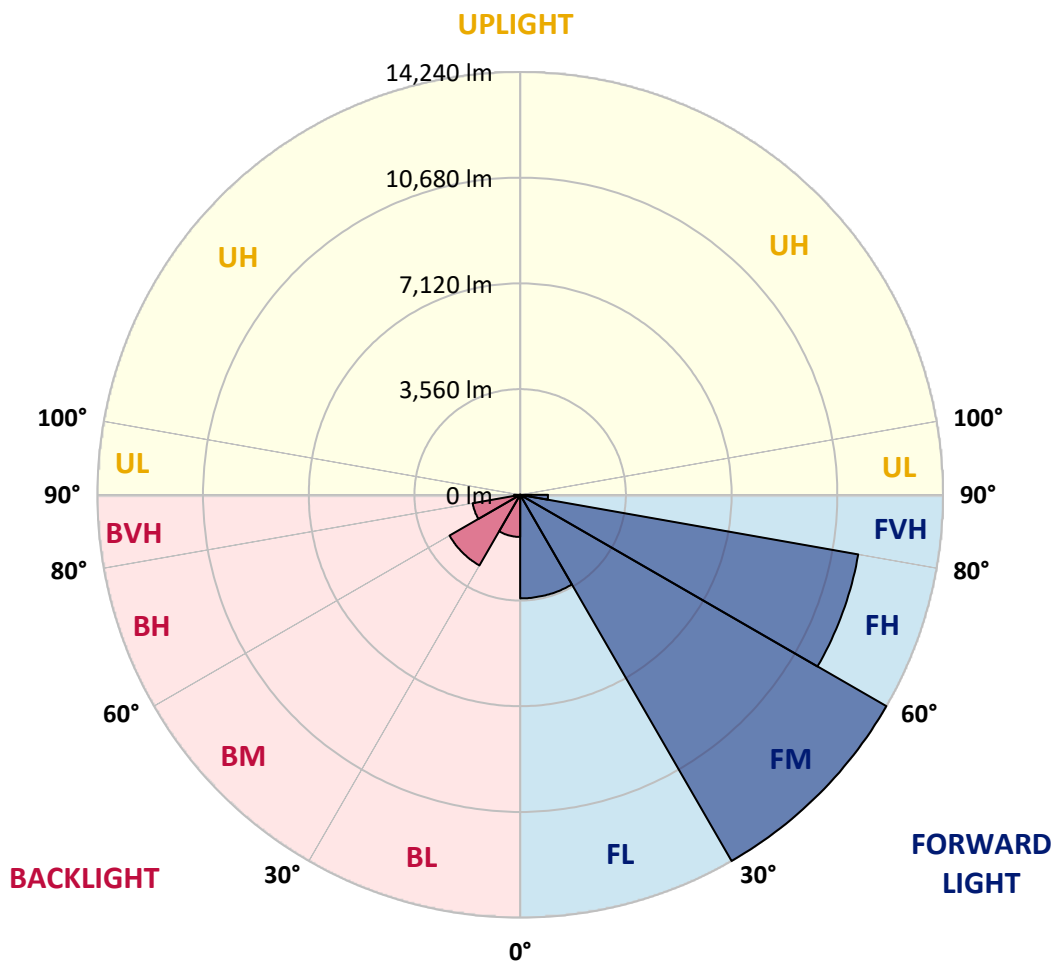
CATALOG NUMBER: GLNA-AF-10-LED-E1-SLR-7027-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3488.2 | 9.6 | | | |
| FM (30°-60°) | 14239.9 | 39.3 | | | |
| FH (60°-80°) | 11561.4 | 31.9 | | | G4/12000 |
| FVH (80°-90°) | 939.7 | 2.6 | | | G5 |
| BL (0°-30°) | 1418.2 | 3.9 | B3/2500 | | |
| BM (30°-60°) | 2746.7 | 7.6 | B3/5000 | | |
| BH (60°-80°) | 1625.1 | 4.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 204.6 | 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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 |
| 2.5° | 12716.1 | 12457.4 | 12027.0 | 11579.1 | 11306.6 | 10987.7 | 10738.8 | 10519.9 | 10081.7 | 9996.1 | 10073.9 |
| 5° | 11957.7 | 11438.1 | 10627.3 | 9811.0 | 9267.3 | 8683.7 | 8229.8 | 7865.7 | 7309.9 | 7212.2 | 7329.8 |
| 7.5° | 10741.2 | 10119.7 | 9048.4 | 8006.8 | 7238.2 | 6509.3 | 6019.8 | 5629.2 | 5195.2 | 5008.3 | 5019.7 |
| 10° | 9691.7 | 8990.6 | 7724.0 | 6591.3 | 5962.0 | 5470.1 | 5057.7 | 4657.4 | 4217.4 | 3928.6 | 3849.1 |
| 12.5° | 9103.9 | 8297.9 | 6837.9 | 5826.3 | 5242.8 | 4725.6 | 4281.3 | 3853.3 | 3383.1 | 3088.3 | 3005.1 |
| 15° | 9002.6 | 8126.1 | 6505.7 | 5336.8 | 4605.6 | 3950.9 | 3427.1 | 2949.0 | 2465.0 | 2226.2 | 2176.2 |
| 17.5° | 9442.7 | 8433.0 | 6397.8 | 4900.4 | 4006.4 | 3198.0 | 2554.8 | 2021.3 | 1627.0 | 1507.7 | 1497.4 |
| 20° | 10286.7 | 9022.5 | 6383.9 | 4490.5 | 3415.0 | 2467.4 | 1780.2 | 1391.9 | 1218.9 | 1184.6 | 1187.0 |
| 22.5° | 11471.8 | 9936.4 | 6555.2 | 4181.8 | 2871.3 | 1839.8 | 1338.3 | 1164.7 | 1097.1 | 1065.2 | 1065.2 |
| 25° | 13004.8 | 11195.1 | 6949.4 | 3957.0 | 2399.3 | 1469.7 | 1180.9 | 1077.3 | 1013.4 | 991.7 | 995.9 |
| 27.5° | 14490.8 | 12419.5 | 7407.5 | 3779.7 | 2090.6 | 1334.1 | 1118.8 | 1025.4 | 970.0 | 947.6 | 957.9 |
| 30° | 15649.4 | 13507.0 | 7789.7 | 3538.6 | 1933.3 | 1296.1 | 1141.2 | 1045.3 | 965.7 | 932.0 | 933.8 |
| 32.5° | 16609.1 | 14458.8 | 8110.4 | 3365.0 | 1794.0 | 1111.0 | 983.8 | 941.6 | 932.0 | 892.2 | 872.3 |
| 35° | 17835.9 | 15496.3 | 8325.7 | 3369.2 | 1728.3 | 991.7 | 875.9 | 802.4 | 748.7 | 702.9 | 702.9 |
| 37.5° | 19273.6 | 16686.9 | 8554.7 | 3415.0 | 1704.8 | 921.7 | 838.5 | 764.4 | 715.0 | 670.9 | 663.1 |
| 40° | 20695.1 | 17854.0 | 8763.9 | 3459.0 | 1690.3 | 880.1 | 808.4 | 740.9 | 695.1 | 651.1 | 639.0 |
| 42.5° | 21904.4 | 18813.7 | 8950.8 | 3480.7 | 1642.7 | 875.9 | 786.7 | 724.6 | 681.2 | 633.0 | 621.5 |
| 45° | 22798.3 | 19617.8 | 9152.1 | 3514.5 | 1595.1 | 892.2 | 786.7 | 722.8 | 669.1 | 623.3 | 611.3 |
| 47.5° | 23596.5 | 20561.9 | 9488.5 | 3514.5 | 1537.2 | 862.0 | 812.6 | 724.6 | 667.3 | 619.1 | 609.5 |
| 50° | 24665.9 | 21856.1 | 10125.7 | 3433.1 | 1455.8 | 830.1 | 856.0 | 716.8 | 649.2 | 611.3 | 599.2 |
| 52.5° | 26139.2 | 23515.1 | 11137.2 | 3291.4 | 1330.4 | 768.6 | 850.0 | 713.1 | 631.2 | 591.4 | 577.5 |
| 55° | 27882.0 | 25291.0 | 12240.4 | 3126.3 | 1143.0 | 724.6 | 820.4 | 702.9 | 611.3 | 567.3 | 553.4 |
| 57.5° | 29242.0 | 26513.6 | 13016.9 | 2871.3 | 979.6 | 701.1 | 727.0 | 693.3 | 587.2 | 541.3 | 529.9 |
| 60° | 29783.3 | 26466.0 | 13230.3 | 2530.7 | 900.0 | 681.2 | 635.4 | 776.4 | 567.3 | 521.4 | 507.6 |
| 62.5° | 29490.9 | 25243.4 | 12632.9 | 2292.0 | 881.9 | 655.3 | 595.6 | 718.6 | 551.6 | 507.6 | 487.7 |
| 65° | 28138.8 | 23076.9 | 11049.8 | 2228.1 | 933.8 | 629.4 | 569.7 | 563.6 | 529.9 | 487.7 | 467.8 |
| 67.5° | 25193.4 | 19839.1 | 8847.1 | 2234.1 | 999.5 | 603.4 | 543.8 | 516.0 | 499.7 | 466.0 | 447.9 |
| 70° | 20520.3 | 15685.6 | 6594.9 | 2250.4 | 1033.2 | 573.3 | 516.0 | 485.9 | 467.8 | 434.0 | 422.0 |
| 72.5° | 15088.2 | 12089.1 | 4791.3 | 2146.7 | 1039.3 | 539.5 | 478.0 | 452.1 | 434.0 | 398.5 | 388.2 |
| 75° | 10322.8 | 9247.4 | 3323.4 | 1778.3 | 906.1 | 491.9 | 435.8 | 412.3 | 400.3 | 356.3 | 350.2 |
| 77.5° | 7540.8 | 6941.6 | 2126.8 | 1320.2 | 698.7 | 432.2 | 384.6 | 366.5 | 358.7 | 310.5 | 302.6 |
| 80° | 6051.8 | 5491.8 | 1330.4 | 904.2 | 511.8 | 362.3 | 322.5 | 312.9 | 304.4 | 256.8 | 250.8 |
| 82.5° | 4197.5 | 3677.9 | 854.2 | 587.2 | 384.6 | 280.9 | 255.0 | 250.8 | 238.7 | 195.3 | 189.3 |
| 85° | 2214.2 | 1997.2 | 541.3 | 400.3 | 278.5 | 192.9 | 177.2 | 177.2 | 171.2 | 129.6 | 125.4 |
| 87.5° | 282.7 | 460.0 | 274.9 | 209.2 | 153.1 | 85.6 | 85.6 | 83.8 | 89.8 | 73.5 | 63.9 |
| 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 |
| 2.5° | 9890.6 | 9986.4 | 9894.8 | 9900.8 | 10002.1 | 10304.7 | 10442.2 | 10555.5 | 10677.3 | 10756.9 | 10792.4 |
| 5° | 7168.8 | 7391.9 | 7467.2 | 7626.4 | 7861.5 | 8247.9 | 8401.0 | 8512.5 | 8586.7 | 8630.1 | 8648.2 |
| 7.5° | 4902.8 | 5037.8 | 5189.1 | 5445.9 | 5957.7 | 6185.0 | 6286.3 | 6260.4 | 6177.2 | 6147.0 | 6117.5 |
| 10° | 3695.9 | 3642.3 | 3614.0 | 3755.6 | 4169.8 | 4398.8 | 4470.6 | 4400.6 | 4354.8 | 4365.1 | 4414.5 |
| 12.5° | 2863.4 | 2770.0 | 2656.7 | 2640.4 | 2913.5 | 3118.4 | 3164.2 | 3167.9 | 3251.7 | 3325.2 | 3434.9 |
| 15° | 2087.0 | 2076.7 | 2021.3 | 1987.5 | 2142.5 | 2310.0 | 2329.9 | 2365.5 | 2441.5 | 2495.1 | 2590.4 |
| 17.5° | 1471.5 | 1525.2 | 1569.2 | 1590.9 | 1708.4 | 1827.8 | 1806.1 | 1788.0 | 1774.1 | 1774.1 | 1819.9 |
| 20° | 1187.0 | 1222.5 | 1278.6 | 1341.9 | 1461.9 | 1545.0 | 1491.4 | 1419.7 | 1367.8 | 1352.1 | 1358.2 |
| 22.5° | 1069.4 | 1097.1 | 1129.1 | 1184.6 | 1292.5 | 1350.3 | 1292.5 | 1240.6 | 1188.8 | 1170.7 | 1164.7 |
| 25° | 1009.7 | 1045.3 | 1075.4 | 1117.0 | 1196.6 | 1236.4 | 1180.9 | 1143.0 | 1111.0 | 1089.3 | 1073.0 |
| 27.5° | 976.0 | 1007.3 | 1015.8 | 1035.7 | 1103.2 | 1138.7 | 1111.0 | 1095.3 | 1075.4 | 1055.6 | 1035.7 |
| 30° | 939.8 | 933.8 | 919.9 | 921.7 | 976.0 | 1011.5 | 1009.7 | 1013.4 | 1011.5 | 1005.5 | 1001.9 |
| 32.5° | 858.4 | 846.4 | 834.3 | 846.4 | 895.8 | 927.8 | 930.2 | 938.0 | 938.0 | 936.2 | 951.9 |
| 35° | 715.0 | 736.7 | 750.5 | 786.7 | 846.4 | 874.1 | 862.0 | 842.2 | 806.6 | 784.3 | 782.5 |
| 37.5° | 661.3 | 664.9 | 689.0 | 738.5 | 804.8 | 830.1 | 812.6 | 766.8 | 742.7 | 738.5 | 744.5 |
| 40° | 635.4 | 639.0 | 652.9 | 698.7 | 764.4 | 790.3 | 774.6 | 740.9 | 718.6 | 716.8 | 727.0 |
| 42.5° | 617.3 | 621.5 | 629.4 | 661.3 | 715.0 | 746.9 | 748.7 | 724.6 | 698.7 | 701.1 | 710.7 |
| 45° | 607.0 | 609.5 | 607.0 | 623.3 | 672.8 | 710.7 | 727.0 | 710.7 | 689.0 | 693.3 | 704.7 |
| 47.5° | 605.2 | 599.2 | 591.4 | 595.6 | 647.4 | 684.8 | 704.7 | 698.7 | 689.0 | 693.3 | 702.9 |
| 50° | 597.4 | 583.5 | 573.3 | 571.5 | 623.3 | 663.1 | 681.2 | 681.2 | 684.8 | 693.3 | 702.9 |
| 52.5° | 573.3 | 557.6 | 557.6 | 551.6 | 607.0 | 645.0 | 657.1 | 658.9 | 664.9 | 678.8 | 693.3 |
| 55° | 543.8 | 537.7 | 543.8 | 533.5 | 595.6 | 631.2 | 637.2 | 641.4 | 645.0 | 657.1 | 677.0 |
| 57.5° | 517.8 | 510.0 | 523.9 | 519.6 | 585.3 | 617.3 | 617.3 | 625.1 | 625.1 | 641.4 | 657.1 |
| 60° | 504.0 | 487.7 | 493.7 | 497.9 | 571.5 | 605.2 | 601.6 | 609.5 | 613.1 | 627.5 | 639.0 |
| 62.5° | 485.9 | 472.0 | 472.0 | 481.7 | 555.8 | 587.2 | 585.3 | 591.4 | 607.0 | 611.3 | 623.3 |
| 65° | 464.2 | 458.1 | 452.1 | 464.2 | 539.5 | 567.3 | 569.7 | 577.5 | 591.4 | 595.6 | 605.2 |
| 67.5° | 441.9 | 444.3 | 432.2 | 444.3 | 525.7 | 547.4 | 547.4 | 563.6 | 569.7 | 577.5 | 587.2 |
| 70° | 418.4 | 420.2 | 409.9 | 424.4 | 516.0 | 525.7 | 523.9 | 545.6 | 549.8 | 555.8 | 565.5 |
| 72.5° | 388.2 | 388.2 | 384.6 | 404.5 | 499.7 | 504.0 | 499.7 | 517.8 | 519.6 | 525.7 | 529.9 |
| 75° | 356.3 | 356.3 | 352.7 | 380.4 | 490.1 | 479.9 | 467.8 | 481.7 | 485.9 | 490.1 | 490.1 |
| 77.5° | 314.7 | 318.9 | 318.9 | 352.7 | 455.7 | 470.2 | 429.8 | 438.3 | 444.3 | 446.1 | 440.1 |
| 80° | 262.8 | 273.1 | 276.7 | 320.7 | 382.2 | 434.0 | 384.6 | 390.0 | 392.4 | 392.4 | 384.6 |
| 82.5° | 201.3 | 218.8 | 229.1 | 276.7 | 293.0 | 364.1 | 334.6 | 340.6 | 334.6 | 322.5 | 318.9 |
| 85° | 139.3 | 163.4 | 175.4 | 211.0 | 221.2 | 280.9 | 278.5 | 278.5 | 267.1 | 250.8 | 249.0 |
| 87.5° | 76.0 | 89.8 | 97.7 | 125.4 | 151.3 | 189.3 | 205.0 | 198.9 | 189.3 | 179.0 | 181.5 |
| 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-10-LED-E1-SLR-7027-800

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 |
| 2.5° | 10979.9 | 11250.6 | 11682.8 | 12013.2 | 12345.9 | 12666.6 | 13013.2 | 13277.9 | 13502.7 | 13590.8 | 13857.2 |
| 5° | 8829.6 | 9167.8 | 9575.9 | 10312.6 | 10834.6 | 11409.7 | 12075.2 | 12955.4 | 13293.6 | 13762.0 | 14528.2 |
| 7.5° | 6242.9 | 6549.1 | 7206.2 | 7801.8 | 8540.9 | 9355.3 | 10252.9 | 11467.6 | 11911.9 | 12662.4 | 13910.9 |
| 10° | 4661.7 | 5017.9 | 5545.4 | 6047.6 | 6698.6 | 7531.1 | 8562.6 | 9920.7 | 10460.3 | 11274.7 | 12712.4 |
| 12.5° | 3755.6 | 4175.8 | 4735.2 | 5207.2 | 5711.2 | 6298.3 | 7300.2 | 8789.2 | 9512.6 | 10225.2 | 11678.6 |
| 15° | 2885.1 | 3325.2 | 3845.4 | 4444.6 | 4999.9 | 5633.4 | 6682.9 | 8311.8 | 9143.7 | 9887.0 | 11127.0 |
| 17.5° | 1997.2 | 2373.3 | 3028.6 | 3653.7 | 4365.1 | 5175.3 | 6511.7 | 8413.1 | 9406.5 | 10263.1 | 11222.8 |
| 20° | 1416.0 | 1630.6 | 2168.4 | 2893.6 | 3779.7 | 4796.7 | 6479.8 | 8946.6 | 10239.0 | 11216.8 | 11835.9 |
| 22.5° | 1190.6 | 1270.2 | 1583.0 | 2247.9 | 3271.5 | 4514.0 | 6591.3 | 9695.3 | 11362.1 | 12610.6 | 12813.7 |
| 25° | 1085.1 | 1133.3 | 1296.1 | 1764.5 | 2819.4 | 4309.0 | 6967.5 | 10810.5 | 12752.2 | 14004.9 | 13968.7 |
| 27.5° | 1027.2 | 1077.3 | 1184.6 | 1489.6 | 2479.4 | 4181.8 | 7343.6 | 12133.1 | 14341.3 | 15518.0 | 15071.9 |
| 30° | 1009.7 | 1077.3 | 1190.6 | 1404.0 | 2236.5 | 3980.5 | 7652.3 | 13293.6 | 15563.8 | 16539.8 | 15574.1 |
| 32.5° | 995.9 | 1005.5 | 1057.4 | 1210.5 | 2005.0 | 3745.4 | 7861.5 | 14335.2 | 16760.4 | 17511.5 | 16296.8 |
| 35° | 804.8 | 854.2 | 938.0 | 1085.1 | 1870.0 | 3604.3 | 7861.5 | 15233.5 | 17939.6 | 18493.0 | 16985.9 |
| 37.5° | 774.6 | 818.6 | 892.2 | 1017.6 | 1794.0 | 3534.4 | 7704.1 | 16099.7 | 19144.0 | 19606.4 | 17553.1 |
| 40° | 759.0 | 794.5 | 864.5 | 965.7 | 1762.1 | 3454.8 | 7475.1 | 16864.1 | 20320.7 | 20721.0 | 18083.0 |
| 42.5° | 746.9 | 778.9 | 844.6 | 933.8 | 1720.5 | 3367.4 | 7290.0 | 17477.2 | 21342.5 | 21672.9 | 18588.8 |
| 45° | 740.9 | 774.6 | 846.4 | 950.1 | 1636.7 | 3251.7 | 7228.5 | 18140.3 | 22182.9 | 22467.4 | 19136.2 |
| 47.5° | 740.9 | 780.7 | 856.0 | 983.8 | 1537.2 | 3132.3 | 7421.4 | 19015.0 | 22977.4 | 23116.6 | 19781.2 |
| 50° | 734.8 | 778.9 | 884.3 | 950.1 | 1391.9 | 2981.0 | 7875.3 | 20115.8 | 23837.6 | 23853.3 | 20598.0 |
| 52.5° | 722.8 | 774.6 | 951.9 | 930.2 | 1224.3 | 2782.1 | 8489.0 | 21530.0 | 25110.2 | 25205.4 | 21876.0 |
| 55° | 708.9 | 768.6 | 933.8 | 884.3 | 1087.5 | 2545.1 | 8990.6 | 23248.1 | 26898.2 | 27162.8 | 23756.2 |
| 57.5° | 690.8 | 760.8 | 904.2 | 820.4 | 997.7 | 2240.1 | 9172.0 | 24506.8 | 28146.6 | 28811.6 | 25874.6 |
| 60° | 675.2 | 754.7 | 816.2 | 782.5 | 941.6 | 1983.3 | 8821.2 | 24257.8 | 28061.0 | 29494.6 | 27752.4 |
| 62.5° | 658.9 | 760.8 | 744.5 | 759.0 | 915.7 | 1818.1 | 7905.5 | 22264.2 | 26641.4 | 28789.9 | 29144.3 |
| 65° | 641.4 | 707.1 | 702.9 | 738.5 | 910.3 | 1752.4 | 6553.3 | 19275.4 | 23897.3 | 26561.8 | 29472.9 |
| 67.5° | 617.3 | 652.9 | 672.8 | 713.1 | 930.2 | 1694.5 | 5288.6 | 15900.2 | 20083.8 | 23222.1 | 27760.2 |
| 70° | 591.4 | 621.5 | 643.2 | 681.2 | 918.1 | 1668.6 | 4398.8 | 12538.8 | 15936.4 | 19032.5 | 24381.4 |
| 72.5° | 557.6 | 583.5 | 603.4 | 639.0 | 906.1 | 1654.8 | 3715.8 | 10098.0 | 11898.0 | 14138.1 | 19823.4 |
| 75° | 517.8 | 541.3 | 555.8 | 591.4 | 868.1 | 1515.5 | 2921.3 | 8544.5 | 8903.2 | 9835.1 | 15788.7 |
| 77.5° | 472.0 | 490.1 | 501.6 | 541.3 | 768.6 | 1260.5 | 2112.9 | 6591.3 | 6913.8 | 7140.5 | 12104.8 |
| 80° | 418.4 | 435.8 | 441.9 | 479.9 | 637.2 | 985.6 | 1378.1 | 4868.4 | 5171.1 | 5222.9 | 7905.5 |
| 82.5° | 356.3 | 374.4 | 374.4 | 409.9 | 521.4 | 708.9 | 904.2 | 3335.4 | 3395.1 | 3570.5 | 5587.6 |
| 85° | 286.9 | 300.8 | 300.8 | 318.9 | 404.5 | 529.9 | 621.5 | 1674.7 | 1656.6 | 1891.7 | 4840.7 |
| 87.5° | 205.0 | 215.2 | 224.9 | 229.1 | 288.8 | 350.2 | 374.4 | 510.0 | 336.4 | 386.4 | 3108.2 |
| 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: P299449

CATALOG NUMBER: GLNA-AF-10-LED-E1-SLR-7027-800

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 | 12238.6 |
| 2.5° | 14058.5 | 14171.9 | 14056.1 | 13972.9 | 13612.5 | 13315.9 | 12919.2 | 12716.1 |
| 5° | 15111.7 | 15400.4 | 15302.8 | 14952.5 | 14199.6 | 13353.2 | 12391.7 | 11957.7 |
| 7.5° | 14984.5 | 15655.4 | 15671.1 | 15016.4 | 13907.2 | 12660.6 | 11358.5 | 10741.2 |
| 10° | 13992.8 | 14850.7 | 15096.0 | 14460.6 | 13283.9 | 11890.2 | 10396.4 | 9691.7 |
| 12.5° | 12885.4 | 13725.8 | 13913.3 | 13693.8 | 12710.6 | 11310.3 | 9795.3 | 9103.9 |
| 15° | 11979.4 | 12356.2 | 12578.6 | 12770.3 | 12218.7 | 11079.4 | 9761.0 | 9002.6 |
| 17.5° | 11427.8 | 11386.2 | 11450.1 | 11782.3 | 11875.7 | 11344.0 | 10278.8 | 9442.7 |
| 20° | 11228.9 | 10589.9 | 10573.6 | 11031.7 | 11714.8 | 11975.8 | 11290.4 | 10286.7 |
| 22.5° | 11338.6 | 10302.9 | 10171.5 | 10715.3 | 11800.4 | 12885.4 | 12616.6 | 11471.8 |
| 25° | 11716.6 | 10327.0 | 10220.9 | 10747.2 | 12110.8 | 13855.4 | 14048.3 | 13004.8 |
| 27.5° | 12312.2 | 10478.4 | 10338.5 | 10878.6 | 12523.1 | 14669.8 | 15458.3 | 14490.8 |
| 30° | 12877.6 | 10741.2 | 10567.6 | 11137.2 | 12899.3 | 14992.3 | 16322.8 | 15649.4 |
| 32.5° | 13564.8 | 11233.1 | 10928.1 | 11612.9 | 13365.3 | 15505.9 | 17093.2 | 16609.1 |
| 35° | 14237.6 | 11933.6 | 11555.6 | 12347.7 | 13884.9 | 16145.5 | 17973.3 | 17835.9 |
| 37.5° | 14976.7 | 12849.9 | 12537.0 | 13297.8 | 14596.3 | 16748.4 | 19096.4 | 19273.6 |
| 40° | 15765.2 | 14064.6 | 13693.8 | 14683.7 | 15699.4 | 17505.5 | 20269.5 | 20695.1 |
| 42.5° | 16559.7 | 15412.5 | 14970.6 | 15973.7 | 16911.7 | 18251.8 | 21272.6 | 21904.4 |
| 45° | 17469.3 | 16876.2 | 16667.0 | 17752.1 | 18077.0 | 18963.2 | 22013.5 | 22798.3 |
| 47.5° | 18529.1 | 18537.0 | 18873.3 | 19307.4 | 19251.9 | 19767.3 | 22758.6 | 23596.5 |
| 50° | 19765.5 | 20609.5 | 21352.8 | 21640.9 | 20462.4 | 20631.8 | 23791.8 | 24665.9 |
| 52.5° | 21250.9 | 23088.9 | 24008.8 | 23819.5 | 21766.9 | 21686.7 | 25428.5 | 26139.2 |
| 55° | 23108.8 | 25713.6 | 26627.5 | 26491.9 | 23266.1 | 23124.5 | 27467.9 | 27882.0 |
| 57.5° | 25259.1 | 28256.4 | 29096.7 | 28487.2 | 25066.2 | 24702.1 | 29154.6 | 29242.0 |
| 60° | 27149.0 | 30271.6 | 31008.3 | 30333.1 | 26882.5 | 26380.4 | 30207.7 | 29783.3 |
| 62.5° | 28200.3 | 30954.6 | 31472.4 | 30745.4 | 28126.7 | 28168.3 | 30438.6 | 29490.9 |
| 65° | 27730.7 | 29228.1 | 29395.1 | 29335.4 | 27806.0 | 29205.8 | 29608.5 | 28138.8 |
| 67.5° | 25157.8 | 24863.0 | 25144.0 | 25532.2 | 25058.3 | 27839.8 | 27308.1 | 25193.4 |
| 70° | 20625.8 | 19006.6 | 19566.6 | 19827.0 | 20042.2 | 23957.0 | 23702.0 | 20520.3 |
| 72.5° | 15543.9 | 13315.9 | 13757.7 | 13704.1 | 14699.4 | 19215.7 | 18433.3 | 15088.2 |
| 75° | 11013.7 | 9028.6 | 9084.0 | 9062.3 | 10257.1 | 15033.9 | 13347.8 | 10322.8 |
| 77.5° | 7705.9 | 6541.3 | 6571.4 | 6694.4 | 6895.7 | 11338.6 | 9536.1 | 7540.8 |
| 80° | 5298.9 | 4964.3 | 5129.5 | 5139.7 | 4779.2 | 7616.7 | 7045.2 | 6051.8 |
| 82.5° | 3946.7 | 3450.6 | 3410.8 | 3468.7 | 3745.4 | 6171.1 | 5414.0 | 4197.5 |
| 85° | 3231.8 | 2043.0 | 1642.7 | 2059.3 | 3319.2 | 6111.5 | 3596.5 | 2214.2 |
| 87.5° | 1819.9 | 970.0 | 438.3 | 812.6 | 1324.4 | 4046.2 | 1039.3 | 282.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)