

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: P299030

Luminaire Tested: **GLNA-AF-10-LED-E1-SLL-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P299030
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-10-LED-E1-SLL-7030-600
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE
(10) 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: 32884.5 lumens
Efficiency: N/A
Efficacy: 101.8 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): 323
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

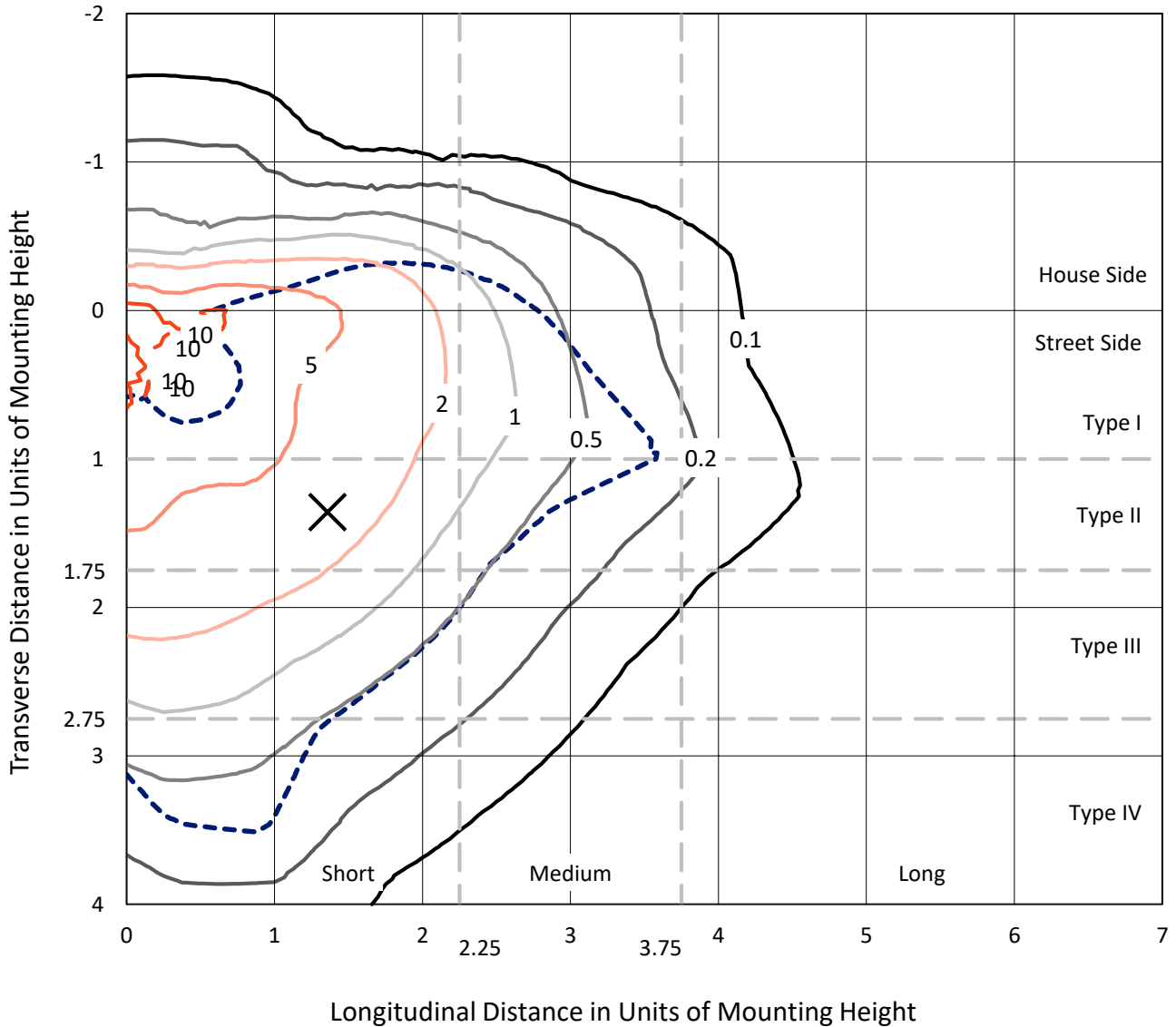


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Iso-Footcandle Lines of Horizontal Illumination

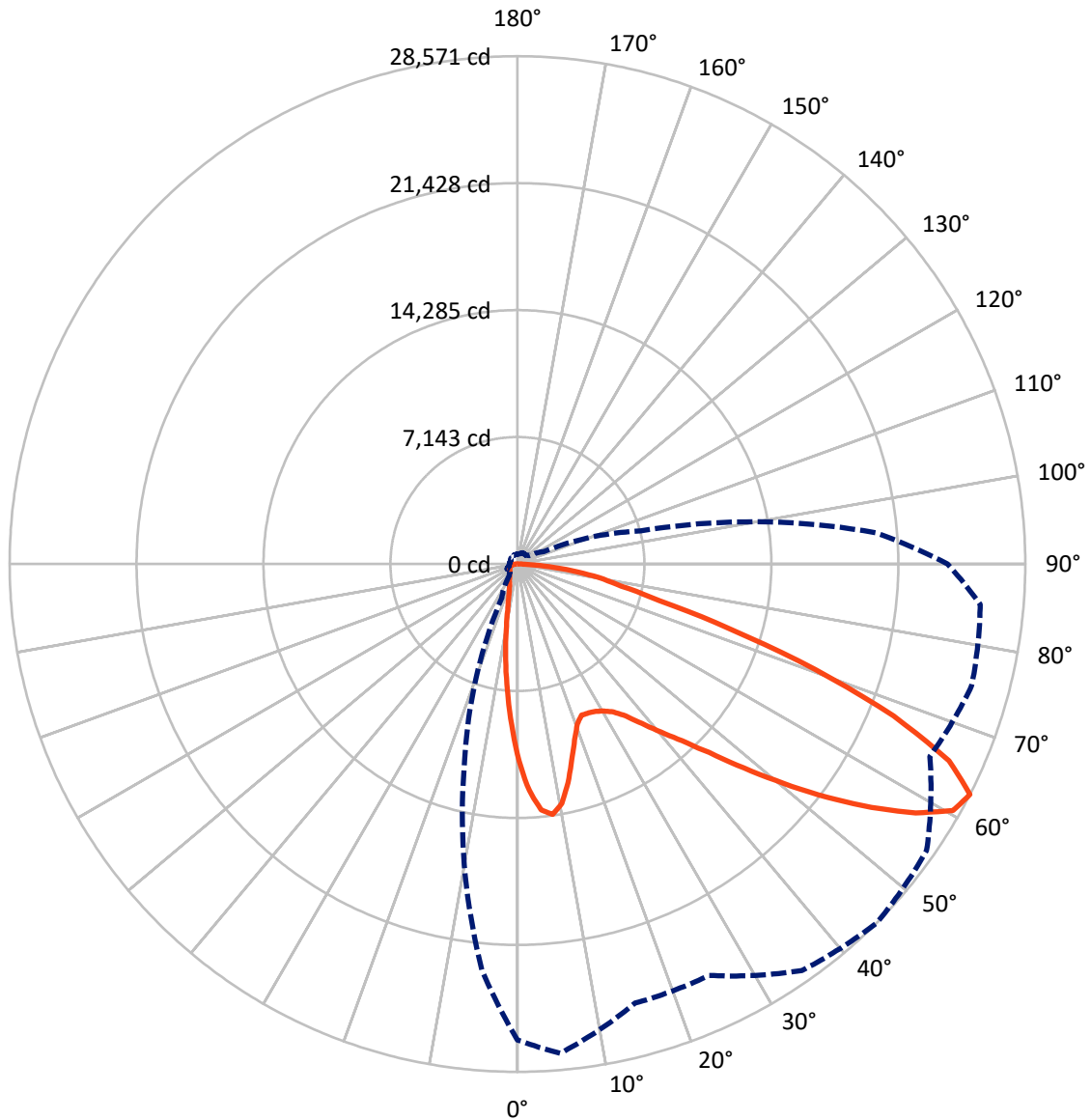
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 14.5 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 | 5441.9 | 0.0 | 5441.9 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 27442.6 | 0.0 | 27442.6 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 32884.5 | 0.0 | 32884.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 808.8 | 2.5 |
| 10°-20° | 1483.1 | 4.5 |
| 20°-30° | 2162.3 | 6.6 |
| 30°-40° | 3330.3 | 10.1 |
| 40°-50° | 4901.3 | 14.9 |
| 50°-60° | 7189.1 | 21.9 |
| 60°-70° | 8036.4 | 24.4 |
| 70°-80° | 3934.5 | 12.0 |
| 80°-90° | 1038.8 | 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° | 32884.5 | 100.0 |
| 0°-180° | 32884.5 | 100.0 |

Coefficient of Utilization



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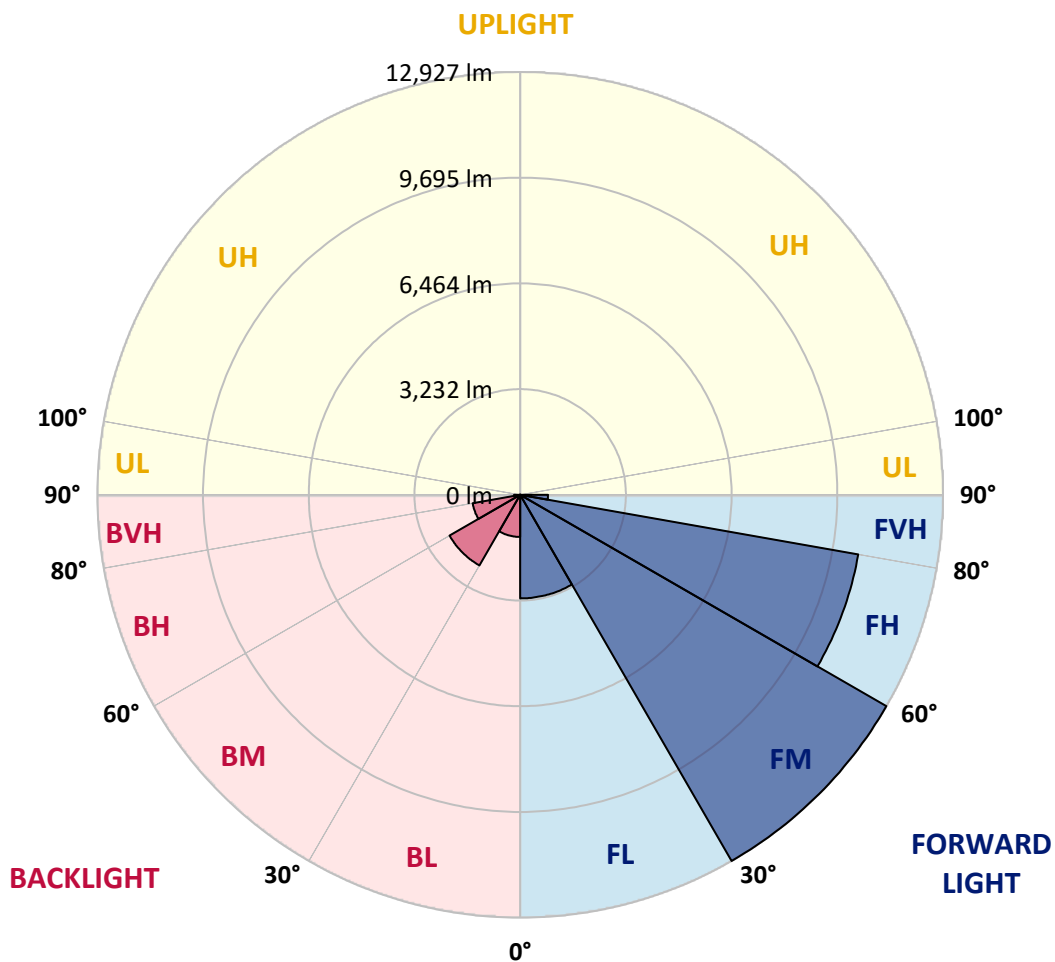
CATALOG NUMBER: GLNA-AF-10-LED-E1-SLL-7030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 3166.7 | 9.6 | | | |
| FM | (30°-60°) | 12927.2 | 39.3 | | | |
| FH | (60°-80°) | 10495.6 | 31.9 | | | G4/12000 |
| FVH | (80°-90°) | 853.1 | 2.6 | | | G5 |
| BL | (0°-30°) | 1287.5 | 3.9 | B3/2500 | | |
| BM | (30°-60°) | 2493.5 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 1475.3 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 185.7 | 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° | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 |
| 2.5° | 11543.6 | 11728.4 | 12088.2 | 12356.9 | 12685.0 | 12760.7 | 12865.7 | 12762.4 | 12579.9 | 12337.6 | 12258.4 |
| 5° | 10855.2 | 11249.6 | 12122.2 | 12891.0 | 13574.0 | 13892.1 | 13981.3 | 13718.4 | 13189.1 | 12493.1 | 12068.2 |
| 7.5° | 9750.8 | 10311.2 | 11493.1 | 12625.1 | 13631.5 | 14226.6 | 14211.9 | 13602.8 | 12628.6 | 11494.9 | 10813.6 |
| 10° | 8797.8 | 9438.0 | 10794.2 | 12059.4 | 13127.5 | 13704.3 | 13481.3 | 12703.2 | 11540.1 | 10235.0 | 9496.1 |
| 12.5° | 8265.0 | 8892.3 | 10267.8 | 11538.3 | 12431.5 | 12630.4 | 12460.2 | 11697.3 | 10601.7 | 9282.5 | 8635.2 |
| 15° | 8172.2 | 8861.8 | 10058.3 | 11092.3 | 11592.9 | 11419.8 | 11216.7 | 10875.2 | 10101.2 | 8975.0 | 8300.8 |
| 17.5° | 8572.5 | 9331.2 | 10298.9 | 10781.3 | 10696.2 | 10394.0 | 10336.5 | 10374.6 | 10188.6 | 9316.6 | 8539.6 |
| 20° | 9338.9 | 10249.6 | 10871.7 | 10635.2 | 10014.9 | 9598.8 | 9613.5 | 10193.9 | 10744.9 | 10182.7 | 9294.8 |
| 22.5° | 10413.9 | 11453.8 | 11697.3 | 10712.6 | 9727.3 | 9233.8 | 9353.5 | 10293.6 | 11632.8 | 11448.5 | 10314.8 |
| 25° | 11805.9 | 12753.6 | 12578.2 | 10994.3 | 9756.1 | 9279.0 | 9374.7 | 10636.9 | 12680.9 | 12713.7 | 11577.0 |
| 27.5° | 13154.4 | 14033.5 | 13317.0 | 11368.7 | 9875.8 | 9385.8 | 9512.6 | 11176.8 | 13682.6 | 14087.5 | 13019.5 |
| 30° | 14206.6 | 14818.1 | 13609.8 | 11710.3 | 10110.5 | 9593.5 | 9750.8 | 11690.3 | 14138.6 | 15014.7 | 14129.2 |
| 32.5° | 15078.1 | 15517.0 | 14076.4 | 12133.4 | 10542.5 | 9920.4 | 10197.4 | 12314.1 | 14794.6 | 15897.3 | 15215.4 |
| 35° | 16191.3 | 16316.3 | 14656.7 | 12605.2 | 11209.7 | 10490.2 | 10833.5 | 12925.0 | 15420.2 | 16788.1 | 16285.8 |
| 37.5° | 17497.0 | 17336.2 | 15204.3 | 13250.7 | 12072.3 | 11381.0 | 11665.1 | 13595.7 | 15934.9 | 17798.6 | 17379.1 |
| 40° | 18787.5 | 18400.1 | 15892.0 | 14251.8 | 13330.5 | 12431.5 | 12767.7 | 14311.7 | 16416.1 | 18810.9 | 18447.7 |
| 42.5° | 19884.8 | 19311.5 | 16569.2 | 15352.7 | 14501.2 | 13590.5 | 13991.9 | 15032.9 | 16875.0 | 19674.7 | 19374.9 |
| 45° | 20696.4 | 19984.0 | 17214.7 | 16410.2 | 16115.6 | 15130.3 | 15320.4 | 15858.6 | 17372.0 | 20396.6 | 20137.8 |
| 47.5° | 21421.2 | 20660.0 | 17944.8 | 17477.1 | 17527.5 | 17133.2 | 16827.4 | 16820.4 | 17958.3 | 20985.7 | 20859.0 |
| 50° | 22391.8 | 21598.4 | 18729.4 | 18575.6 | 19646.0 | 19383.7 | 18709.4 | 17943.0 | 18698.8 | 21654.7 | 21640.1 |
| 52.5° | 23729.8 | 23084.8 | 19687.7 | 19759.8 | 21624.2 | 21795.6 | 20959.9 | 19292.1 | 19859.0 | 22881.8 | 22795.5 |
| 55° | 25311.9 | 24935.1 | 20993.4 | 21121.3 | 24049.6 | 24172.8 | 23342.5 | 20978.1 | 21566.1 | 24659.3 | 24418.7 |
| 57.5° | 26546.0 | 26466.8 | 22424.6 | 22755.6 | 25861.1 | 26414.5 | 25651.6 | 22931.1 | 23489.2 | 26155.7 | 25551.9 |
| 60° | 27037.7 | 27422.7 | 23948.7 | 24404.0 | 27537.1 | 28149.2 | 27480.8 | 24645.8 | 25193.9 | 26776.0 | 25474.4 |
| 62.5° | 26772.5 | 27632.2 | 25571.8 | 25533.7 | 27910.9 | 28570.5 | 28100.5 | 25600.6 | 26458.0 | 26135.8 | 24185.7 |
| 65° | 25544.8 | 26878.7 | 26513.7 | 25242.6 | 26631.1 | 26685.1 | 26533.1 | 25174.0 | 26756.1 | 24113.0 | 21694.0 |
| 67.5° | 22870.6 | 24790.8 | 25273.1 | 22748.6 | 23178.1 | 22826.0 | 22570.8 | 22838.4 | 25201.0 | 21081.4 | 18232.3 |
| 70° | 18628.4 | 21517.4 | 21748.0 | 18194.8 | 17999.3 | 17762.3 | 17254.6 | 18724.1 | 22133.6 | 17278.1 | 14467.2 |
| 72.5° | 13697.3 | 16734.1 | 17444.2 | 13344.6 | 12440.9 | 12489.0 | 12088.2 | 14110.4 | 17995.8 | 12834.6 | 10801.2 |
| 75° | 9371.1 | 12116.9 | 13648.6 | 9311.3 | 8227.4 | 8246.8 | 8195.7 | 9998.5 | 14333.4 | 8928.1 | 8082.5 |
| 77.5° | 6846.0 | 8657.0 | 10293.6 | 6259.7 | 6077.2 | 5965.2 | 5938.2 | 6995.6 | 10989.0 | 6482.7 | 6276.2 |
| 80° | 5493.3 | 6395.9 | 6914.1 | 4338.5 | 4665.3 | 4656.5 | 4506.3 | 4810.3 | 7176.4 | 4741.6 | 4694.1 |
| 82.5° | 3810.9 | 4915.3 | 5601.9 | 3400.1 | 3148.9 | 3096.1 | 3133.1 | 3582.6 | 5072.6 | 3241.1 | 3082.0 |
| 85° | 2010.5 | 3264.6 | 5547.9 | 3013.4 | 1869.1 | 1491.1 | 1855.0 | 2933.6 | 4394.8 | 1717.7 | 1503.5 |
| 87.5° | 257.0 | 943.6 | 3673.0 | 1202.4 | 737.6 | 397.3 | 880.8 | 1651.9 | 2822.1 | 350.3 | 305.7 |
| 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° | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 |
| 2.5° | 12054.1 | 11813.5 | 11499.0 | 11207.3 | 10905.7 | 10605.2 | 10213.2 | 9967.4 | 9797.8 | 9764.9 | 9693.3 |
| 5° | 11761.3 | 10962.0 | 10358.2 | 9835.9 | 9362.3 | 8692.8 | 8322.5 | 8015.0 | 7850.7 | 7834.8 | 7794.9 |
| 7.5° | 10410.4 | 9307.8 | 8492.6 | 7753.2 | 7082.5 | 6542.0 | 5945.2 | 5667.6 | 5553.2 | 5580.2 | 5607.2 |
| 10° | 9005.5 | 7773.2 | 6836.6 | 6080.8 | 5489.8 | 5034.4 | 4555.6 | 4232.2 | 4007.5 | 3962.3 | 3953.5 |
| 12.5° | 7979.2 | 6627.1 | 5718.1 | 5184.1 | 4727.5 | 4298.6 | 3790.9 | 3408.9 | 3118.4 | 3018.7 | 2952.4 |
| 15° | 7544.9 | 6066.7 | 5114.2 | 4539.2 | 4034.5 | 3490.5 | 3018.7 | 2619.0 | 2352.0 | 2265.2 | 2216.5 |
| 17.5° | 7637.6 | 5911.2 | 4698.2 | 3962.3 | 3317.4 | 2749.3 | 2154.9 | 1812.7 | 1651.9 | 1610.9 | 1610.9 |
| 20° | 8122.4 | 5882.4 | 4354.3 | 3431.2 | 2626.1 | 1968.2 | 1480.6 | 1285.2 | 1232.9 | 1227.7 | 1241.7 |
| 22.5° | 8801.9 | 5983.9 | 4098.4 | 2970.5 | 2041.0 | 1437.2 | 1153.1 | 1080.9 | 1057.5 | 1063.3 | 1079.2 |
| 25° | 9814.2 | 6325.5 | 3912.4 | 2559.8 | 1601.5 | 1176.6 | 1028.1 | 985.3 | 974.1 | 988.8 | 1008.8 |
| 27.5° | 11014.3 | 6667.0 | 3796.2 | 2250.5 | 1352.1 | 1075.7 | 977.7 | 933.1 | 940.1 | 958.3 | 975.9 |
| 30° | 12068.2 | 6947.5 | 3613.7 | 2030.4 | 1274.6 | 1080.9 | 977.7 | 916.6 | 909.6 | 913.1 | 918.4 |
| 32.5° | 13014.2 | 7137.1 | 3400.1 | 1820.4 | 1099.1 | 960.1 | 913.1 | 904.3 | 863.8 | 849.1 | 851.5 |
| 35° | 13829.3 | 7137.1 | 3272.2 | 1697.7 | 985.3 | 851.5 | 775.8 | 730.6 | 710.1 | 711.8 | 732.4 |
| 37.5° | 14615.7 | 6993.9 | 3208.8 | 1628.5 | 923.7 | 809.8 | 742.9 | 703.0 | 676.0 | 670.8 | 674.3 |
| 40° | 15309.3 | 6786.1 | 3136.6 | 1599.7 | 876.7 | 784.6 | 721.8 | 688.4 | 659.6 | 650.8 | 652.6 |
| 42.5° | 15866.2 | 6617.7 | 3056.8 | 1562.1 | 847.4 | 766.4 | 706.5 | 677.8 | 645.5 | 636.1 | 634.4 |
| 45° | 16468.3 | 6562.0 | 2952.4 | 1485.9 | 862.1 | 768.2 | 703.0 | 672.5 | 639.6 | 629.1 | 625.6 |
| 47.5° | 17261.7 | 6737.4 | 2843.8 | 1395.5 | 893.2 | 777.6 | 708.3 | 672.5 | 637.9 | 629.1 | 625.6 |
| 50° | 18261.1 | 7149.4 | 2705.9 | 1263.5 | 862.1 | 802.8 | 706.5 | 666.6 | 637.9 | 629.1 | 622.0 |
| 52.5° | 19545.1 | 7706.3 | 2525.7 | 1112.0 | 843.9 | 863.8 | 703.0 | 656.1 | 629.1 | 616.8 | 603.9 |
| 55° | 21104.9 | 8161.7 | 2309.8 | 987.1 | 802.8 | 847.4 | 697.7 | 643.8 | 615.0 | 596.8 | 585.7 |
| 57.5° | 22247.4 | 8326.0 | 2034.0 | 906.1 | 744.7 | 820.4 | 690.1 | 627.3 | 596.8 | 582.1 | 568.1 |
| 60° | 22021.5 | 8007.9 | 1800.4 | 855.0 | 710.1 | 741.2 | 684.8 | 612.7 | 580.4 | 569.8 | 556.3 |
| 62.5° | 20212.3 | 7176.4 | 1650.2 | 831.5 | 688.4 | 676.0 | 690.1 | 598.6 | 566.3 | 554.6 | 551.0 |
| 65° | 17498.8 | 5948.7 | 1590.9 | 826.3 | 670.8 | 637.9 | 642.0 | 582.1 | 549.3 | 540.5 | 537.0 |
| 67.5° | 14434.3 | 4801.5 | 1538.7 | 843.9 | 647.3 | 610.9 | 593.3 | 560.4 | 532.8 | 524.0 | 517.0 |
| 70° | 11382.8 | 3993.4 | 1514.6 | 833.3 | 618.5 | 583.9 | 564.5 | 537.0 | 513.5 | 504.1 | 498.8 |
| 72.5° | 9166.3 | 3373.1 | 1501.7 | 822.2 | 580.4 | 547.5 | 529.3 | 505.9 | 480.6 | 477.1 | 471.8 |
| 75° | 7757.3 | 2651.9 | 1376.1 | 788.1 | 537.0 | 504.1 | 491.8 | 470.1 | 444.8 | 444.8 | 441.3 |
| 77.5° | 5983.9 | 1917.8 | 1144.3 | 697.7 | 491.8 | 455.4 | 444.8 | 428.4 | 399.6 | 404.9 | 403.2 |
| 80° | 4420.0 | 1251.1 | 894.9 | 578.6 | 436.0 | 401.4 | 395.5 | 379.7 | 348.6 | 356.2 | 356.2 |
| 82.5° | 3028.1 | 820.4 | 643.8 | 473.6 | 372.1 | 339.8 | 339.8 | 323.3 | 289.3 | 292.8 | 304.0 |
| 85° | 1520.5 | 564.5 | 480.6 | 366.8 | 289.3 | 272.9 | 272.9 | 260.6 | 225.9 | 227.7 | 242.4 |
| 87.5° | 463.0 | 339.8 | 318.1 | 262.3 | 207.7 | 204.2 | 194.8 | 186.0 | 164.3 | 162.6 | 171.9 |
| 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):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 |
| 2.5° | 9582.4 | 9479.1 | 9355.3 | 9080.1 | 8987.9 | 8982.1 | 9066.0 | 8978.5 | 9145.2 | 9074.8 | 9152.2 |
| 5° | 7727.4 | 7627.1 | 7487.4 | 7137.1 | 6923.5 | 6778.5 | 6710.4 | 6508.0 | 6654.1 | 6547.3 | 6636.5 |
| 7.5° | 5683.5 | 5707.0 | 5614.8 | 5408.8 | 4944.1 | 4711.1 | 4573.8 | 4450.5 | 4557.3 | 4546.2 | 4716.4 |
| 10° | 3995.2 | 4057.9 | 3993.4 | 3785.7 | 3408.9 | 3281.0 | 3306.2 | 3354.9 | 3494.6 | 3566.2 | 3828.5 |
| 12.5° | 2876.1 | 2872.5 | 2830.9 | 2644.9 | 2397.2 | 2411.3 | 2514.6 | 2599.1 | 2727.6 | 2803.9 | 3070.9 |
| 15° | 2147.2 | 2114.9 | 2096.8 | 1944.8 | 1803.9 | 1835.0 | 1885.5 | 1894.3 | 1975.9 | 2021.1 | 2238.2 |
| 17.5° | 1623.2 | 1639.6 | 1659.0 | 1551.0 | 1444.2 | 1424.2 | 1384.9 | 1335.6 | 1359.7 | 1368.5 | 1476.5 |
| 20° | 1288.7 | 1353.8 | 1403.1 | 1326.8 | 1218.9 | 1160.2 | 1109.7 | 1077.4 | 1077.4 | 1075.7 | 1106.2 |
| 22.5° | 1126.1 | 1173.1 | 1225.9 | 1173.1 | 1075.7 | 1024.6 | 995.9 | 970.6 | 967.1 | 967.1 | 995.9 |
| 25° | 1038.1 | 1072.1 | 1122.6 | 1086.8 | 1014.0 | 975.9 | 948.9 | 916.6 | 904.3 | 900.2 | 920.2 |
| 27.5° | 994.1 | 1008.8 | 1034.0 | 1001.1 | 940.1 | 921.9 | 914.9 | 886.1 | 869.1 | 860.3 | 880.8 |
| 30° | 920.2 | 916.6 | 918.4 | 886.1 | 836.8 | 835.1 | 847.4 | 853.3 | 847.4 | 845.6 | 876.7 |
| 32.5° | 851.5 | 843.9 | 842.1 | 813.4 | 768.2 | 757.6 | 768.2 | 779.3 | 791.6 | 809.8 | 845.6 |
| 35° | 764.6 | 782.8 | 793.4 | 768.2 | 713.6 | 681.3 | 669.0 | 649.0 | 637.9 | 637.9 | 679.6 |
| 37.5° | 696.0 | 737.6 | 754.1 | 730.6 | 670.8 | 625.6 | 603.9 | 600.3 | 602.1 | 609.1 | 649.0 |
| 40° | 672.5 | 703.0 | 717.1 | 694.2 | 634.4 | 593.3 | 580.4 | 576.9 | 580.4 | 591.5 | 630.8 |
| 42.5° | 657.8 | 679.6 | 677.8 | 649.0 | 600.3 | 571.6 | 564.5 | 560.4 | 564.5 | 575.1 | 618.5 |
| 45° | 645.5 | 659.6 | 645.5 | 610.9 | 566.3 | 551.0 | 552.8 | 551.0 | 554.6 | 566.3 | 607.4 |
| 47.5° | 634.4 | 639.6 | 622.0 | 587.4 | 540.5 | 537.0 | 544.0 | 549.3 | 552.8 | 562.8 | 605.6 |
| 50° | 618.5 | 618.5 | 602.1 | 566.3 | 518.8 | 520.5 | 529.3 | 542.2 | 544.0 | 554.6 | 589.8 |
| 52.5° | 598.6 | 596.8 | 585.7 | 551.0 | 500.6 | 505.9 | 505.9 | 520.5 | 524.0 | 537.0 | 573.3 |
| 55° | 582.1 | 578.6 | 573.3 | 540.5 | 484.7 | 493.5 | 488.2 | 493.5 | 502.3 | 515.2 | 554.6 |
| 57.5° | 568.1 | 560.4 | 560.4 | 531.1 | 471.8 | 475.3 | 463.0 | 470.1 | 480.6 | 491.8 | 532.8 |
| 60° | 552.8 | 545.8 | 549.3 | 518.8 | 451.9 | 448.3 | 443.1 | 457.1 | 461.3 | 473.6 | 515.2 |
| 62.5° | 537.0 | 531.1 | 532.8 | 504.1 | 437.8 | 428.4 | 428.4 | 441.3 | 443.1 | 461.3 | 500.6 |
| 65° | 524.0 | 517.0 | 515.2 | 490.0 | 421.3 | 410.8 | 416.1 | 421.3 | 424.9 | 443.1 | 480.6 |
| 67.5° | 511.7 | 497.0 | 497.0 | 477.1 | 403.2 | 392.0 | 403.2 | 401.4 | 407.3 | 423.1 | 453.6 |
| 70° | 495.3 | 475.3 | 477.1 | 468.3 | 385.0 | 372.1 | 381.4 | 379.7 | 383.2 | 393.8 | 424.9 |
| 72.5° | 470.1 | 453.6 | 457.1 | 453.6 | 366.8 | 348.6 | 352.1 | 352.1 | 352.1 | 361.5 | 393.8 |
| 75° | 437.8 | 424.9 | 436.0 | 444.8 | 345.1 | 319.8 | 323.3 | 323.3 | 318.1 | 323.3 | 363.2 |
| 77.5° | 397.3 | 390.2 | 426.6 | 414.3 | 319.8 | 289.3 | 289.3 | 285.8 | 275.2 | 282.3 | 325.1 |
| 80° | 354.4 | 348.6 | 393.8 | 346.8 | 291.1 | 251.8 | 247.6 | 238.3 | 227.7 | 233.0 | 277.0 |
| 82.5° | 309.3 | 304.0 | 331.0 | 265.8 | 251.8 | 207.7 | 198.9 | 182.5 | 171.9 | 177.2 | 216.5 |
| 85° | 253.5 | 253.5 | 255.3 | 200.7 | 191.3 | 159.0 | 148.5 | 126.8 | 113.8 | 117.4 | 155.5 |
| 87.5° | 180.7 | 186.0 | 171.9 | 137.3 | 113.8 | 88.6 | 81.6 | 68.7 | 57.5 | 66.9 | 81.6 |
| 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: P299030

CATALOG NUMBER: GLNA-AF-10-LED-E1-SLL-7030-600

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 | 11110.5 |
| 2.5° | 9550.1 | 9749.1 | 9975.0 | 10263.7 | 10511.9 | 10918.0 | 11308.9 | 11543.6 |
| 5° | 7140.6 | 7471.6 | 7882.9 | 8413.4 | 8907.0 | 9647.5 | 10383.4 | 10855.2 |
| 7.5° | 5110.1 | 5464.6 | 5909.4 | 6570.8 | 7269.1 | 8213.9 | 9186.9 | 9750.8 |
| 10° | 4228.7 | 4592.0 | 4965.8 | 5412.4 | 5983.9 | 7012.1 | 8161.7 | 8797.8 |
| 12.5° | 3498.1 | 3886.6 | 4289.7 | 4759.8 | 5289.1 | 6207.5 | 7532.6 | 8265.0 |
| 15° | 2677.1 | 3110.8 | 3586.1 | 4181.2 | 4844.3 | 5905.9 | 7377.1 | 8172.2 |
| 17.5° | 1835.0 | 2319.8 | 2903.1 | 3637.2 | 4448.8 | 5807.9 | 7655.8 | 8572.5 |
| 20° | 1263.5 | 1616.1 | 2239.9 | 3100.2 | 4076.7 | 5795.6 | 8190.4 | 9338.9 |
| 22.5° | 1057.5 | 1214.7 | 1670.1 | 2606.7 | 3796.2 | 5951.1 | 9020.8 | 10413.9 |
| 25° | 977.7 | 1072.1 | 1333.9 | 2178.3 | 3592.0 | 6309.0 | 10163.4 | 11805.9 |
| 27.5° | 931.3 | 1015.8 | 1211.2 | 1898.4 | 3431.2 | 6724.5 | 11274.8 | 13154.4 |
| 30° | 948.9 | 1035.8 | 1176.6 | 1755.2 | 3212.3 | 7071.3 | 12261.9 | 14206.6 |
| 32.5° | 855.0 | 893.2 | 1008.8 | 1628.5 | 3055.1 | 7362.4 | 13125.7 | 15078.1 |
| 35° | 728.8 | 795.2 | 900.2 | 1569.2 | 3058.6 | 7557.8 | 14067.6 | 16191.3 |
| 37.5° | 694.2 | 761.1 | 836.8 | 1547.5 | 3100.2 | 7766.1 | 15148.5 | 17497.0 |
| 40° | 672.5 | 734.1 | 799.3 | 1535.2 | 3140.1 | 7955.7 | 16208.3 | 18787.5 |
| 42.5° | 657.8 | 713.6 | 795.2 | 1491.1 | 3160.1 | 8125.9 | 17079.2 | 19884.8 |
| 45° | 656.1 | 713.6 | 809.8 | 1447.7 | 3190.6 | 8308.4 | 17809.8 | 20696.4 |
| 47.5° | 657.8 | 737.6 | 782.8 | 1395.5 | 3190.6 | 8613.5 | 18666.6 | 21421.2 |
| 50° | 650.8 | 777.6 | 754.1 | 1321.5 | 3116.7 | 9192.2 | 19841.4 | 22391.8 |
| 52.5° | 647.3 | 772.3 | 697.7 | 1207.7 | 2988.2 | 10110.5 | 21347.2 | 23729.8 |
| 55° | 637.9 | 744.7 | 657.8 | 1038.1 | 2838.5 | 11112.3 | 22959.8 | 25311.9 |
| 57.5° | 629.1 | 659.6 | 636.1 | 889.6 | 2606.7 | 11817.1 | 24069.5 | 26546.0 |
| 60° | 704.8 | 576.9 | 618.5 | 816.9 | 2297.5 | 12010.1 | 24026.7 | 27037.7 |
| 62.5° | 652.6 | 540.5 | 595.0 | 801.0 | 2080.9 | 11467.9 | 22916.4 | 26772.5 |
| 65° | 511.7 | 517.0 | 571.6 | 847.4 | 2022.8 | 10031.3 | 20949.3 | 25544.8 |
| 67.5° | 468.3 | 493.5 | 547.5 | 907.8 | 2028.7 | 8031.4 | 18010.5 | 22870.6 |
| 70° | 441.3 | 468.3 | 520.5 | 938.3 | 2042.8 | 5987.5 | 14238.9 | 18628.4 |
| 72.5° | 410.8 | 434.3 | 490.0 | 943.6 | 1948.3 | 4349.0 | 10974.9 | 13697.3 |
| 75° | 373.8 | 395.5 | 446.6 | 822.2 | 1614.4 | 3016.9 | 8395.2 | 9371.1 |
| 77.5° | 332.7 | 348.6 | 392.0 | 634.4 | 1198.9 | 1930.7 | 6301.4 | 6846.0 |
| 80° | 284.0 | 292.8 | 329.2 | 464.8 | 820.4 | 1207.7 | 4985.7 | 5493.3 |
| 82.5° | 227.7 | 231.2 | 255.3 | 348.6 | 532.8 | 775.8 | 3339.1 | 3810.9 |
| 85° | 160.8 | 160.8 | 175.5 | 253.5 | 363.2 | 491.8 | 1812.7 | 2010.5 |
| 87.5° | 75.7 | 77.5 | 77.5 | 139.1 | 189.5 | 250.0 | 417.8 | 257.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)