

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: P299026

Luminaire Tested: **GLNA-AF-09-LED-E1-SLL-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P299026  
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-09-LED-E1-SLL-600  
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K 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: 30706.4 lumens  
Efficiency: N/A  
Efficacy: 105.9 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

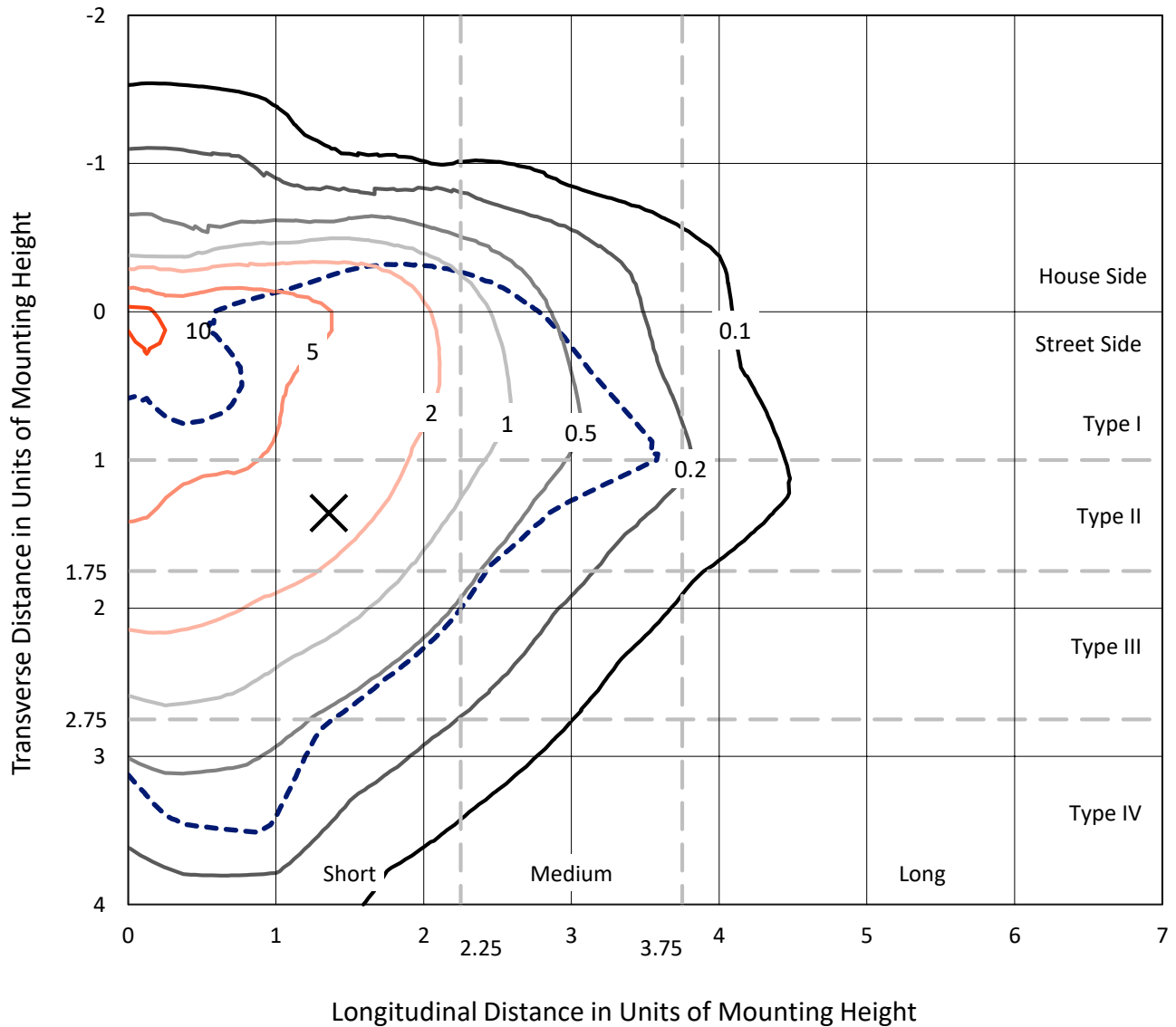
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

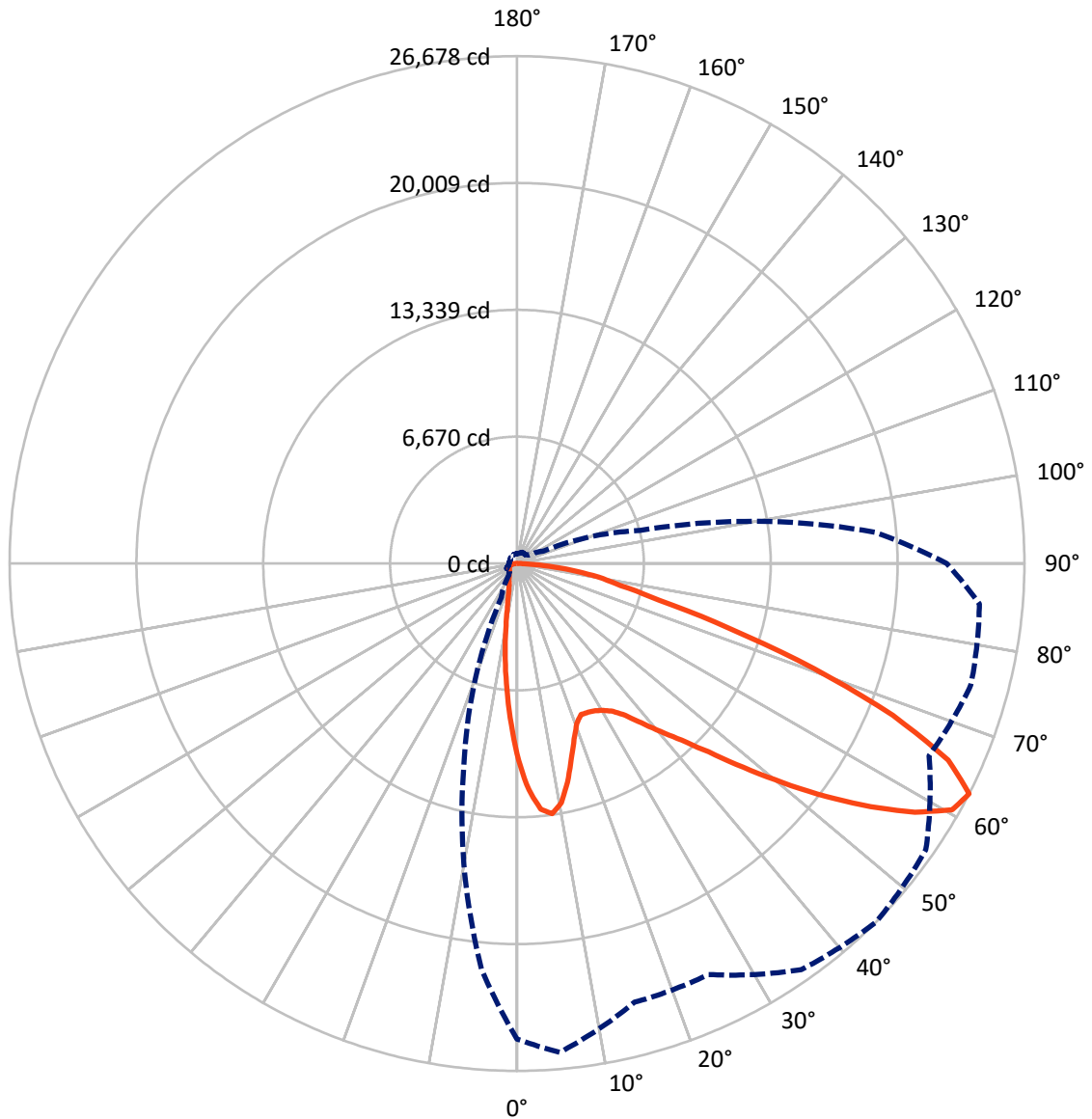
× Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5081.5   | 0.0    | 5081.5  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 25624.9  | 0.0    | 25624.9 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 30706.4  | 0.0    | 30706.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 755.2   | 2.5       |
| 10°-20°   | 1384.8  | 4.5       |
| 20°-30°   | 2019.1  | 6.6       |
| 30°-40°   | 3109.7  | 10.1      |
| 40°-50°   | 4576.6  | 14.9      |
| 50°-60°   | 6713.0  | 21.9      |
| 60°-70°   | 7504.1  | 24.4      |
| 70°-80°   | 3673.9  | 12.0      |
| 80°-90°   | 970.0   | 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°    | 30706.4 | 100.0     |
| 0°-180°   | 30706.4 | 100.0     |



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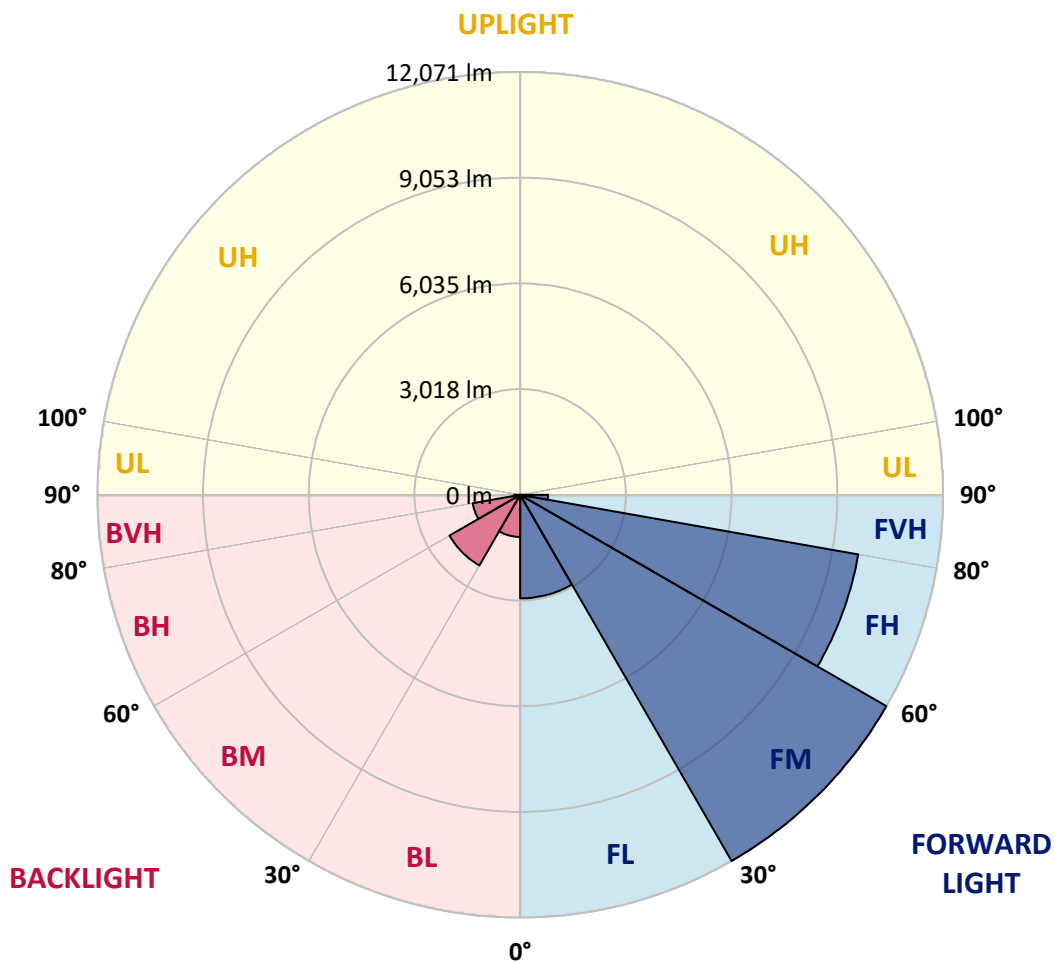
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2956.9  | 9.6       |                         |      |          |
| FM   | (30°-60°)   | 12071.0 | 39.3      |                         |      |          |
| FH   | (60°-80°)   | 9800.4  | 31.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 796.6   | 2.6       |                         |      | G5       |
| BL   | (0°-30°)    | 1202.2  | 3.9       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2328.3  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1377.6  | 4.5       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 173.4   | 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-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 |
| 2.5°  | 10779.0 | 10951.6 | 11287.5 | 11538.5 | 11844.8 | 11915.5 | 12013.6 | 11917.1 | 11746.7 | 11520.4 | 11446.4 |
| 5°    | 10136.2 | 10504.5 | 11319.3 | 12037.1 | 12675.0 | 12972.0 | 13055.2 | 12809.8 | 12315.5 | 11665.6 | 11268.9 |
| 7.5°  | 9105.0  | 9628.3  | 10731.9 | 11788.9 | 12728.7 | 13284.3 | 13270.6 | 12701.8 | 11792.2 | 10733.5 | 10097.3 |
| 10°   | 8215.1  | 8812.9  | 10079.3 | 11260.7 | 12258.0 | 12796.6 | 12588.4 | 11861.8 | 10775.7 | 9557.0  | 8867.2  |
| 12.5° | 7717.5  | 8303.3  | 9587.7  | 10774.1 | 11608.1 | 11793.8 | 11634.9 | 10922.6 | 9899.5  | 8667.7  | 8063.3  |
| 15°   | 7631.0  | 8274.8  | 9392.1  | 10357.6 | 10825.0 | 10663.4 | 10473.8 | 10154.9 | 9432.1  | 8380.6  | 7751.0  |
| 17.5° | 8004.7  | 8713.2  | 9616.8  | 10067.2 | 9987.7  | 9705.5  | 9651.8  | 9687.5  | 9513.8  | 8699.5  | 7974.0  |
| 20°   | 8720.3  | 9570.7  | 10151.6 | 9930.8  | 9351.6  | 8963.1  | 8976.8  | 9518.7  | 10033.2 | 9508.3  | 8679.2  |
| 22.5° | 9724.2  | 10695.2 | 10922.6 | 10003.1 | 9083.1  | 8622.2  | 8734.0  | 9611.8  | 10862.3 | 10690.2 | 9631.6  |
| 25°   | 11023.9 | 11908.9 | 11745.1 | 10266.1 | 9109.9  | 8664.4  | 8753.7  | 9932.4  | 11841.0 | 11871.6 | 10810.2 |
| 27.5° | 12283.2 | 13104.0 | 12435.0 | 10615.7 | 9221.7  | 8764.1  | 8882.5  | 10436.5 | 12776.3 | 13154.4 | 12157.1 |
| 30°   | 13265.7 | 13836.6 | 12708.4 | 10934.6 | 9440.9  | 8958.1  | 9105.0  | 10916.0 | 13202.1 | 14020.2 | 13193.3 |
| 32.5° | 14079.4 | 14489.3 | 13144.0 | 11329.7 | 9844.2  | 9263.3  | 9522.0  | 11498.5 | 13814.7 | 14844.4 | 14207.6 |
| 35°   | 15118.9 | 15235.6 | 13686.0 | 11770.3 | 10467.2 | 9795.4  | 10116.0 | 12068.9 | 14398.9 | 15676.2 | 15207.1 |
| 37.5° | 16338.1 | 16188.0 | 14197.2 | 12373.0 | 11272.7 | 10627.2 | 10892.4 | 12695.2 | 14879.4 | 16619.8 | 16228.0 |
| 40°   | 17543.1 | 17181.4 | 14839.4 | 13307.9 | 12447.6 | 11608.1 | 11922.1 | 13363.8 | 15328.8 | 17565.0 | 17225.8 |
| 42.5° | 18567.8 | 18032.4 | 15471.8 | 14335.8 | 13540.7 | 12690.3 | 13065.1 | 14037.2 | 15757.3 | 18371.6 | 18091.6 |
| 45°   | 19325.6 | 18660.4 | 16074.5 | 15323.3 | 15048.2 | 14128.2 | 14305.7 | 14808.2 | 16221.4 | 19045.6 | 18803.9 |
| 47.5° | 20002.3 | 19291.6 | 16756.2 | 16319.5 | 16366.6 | 15998.4 | 15712.9 | 15706.3 | 16768.8 | 19595.7 | 19477.4 |
| 50°   | 20908.7 | 20167.8 | 17488.8 | 17345.3 | 18344.7 | 18099.8 | 17470.2 | 16754.6 | 17460.3 | 20220.4 | 20206.7 |
| 52.5° | 22158.0 | 21555.8 | 18383.7 | 18451.1 | 20191.9 | 20351.9 | 19571.6 | 18014.3 | 18543.7 | 21366.2 | 21285.7 |
| 55°   | 23635.3 | 23283.5 | 19602.9 | 19722.3 | 22456.7 | 22571.7 | 21796.4 | 19588.6 | 20137.7 | 23026.0 | 22801.3 |
| 57.5° | 24787.7 | 24713.7 | 20939.4 | 21248.4 | 24148.2 | 24665.0 | 23952.6 | 21412.3 | 21933.4 | 24423.3 | 23859.5 |
| 60°   | 25246.9 | 25606.4 | 22362.4 | 22787.6 | 25713.2 | 26284.7 | 25660.6 | 23013.4 | 23525.2 | 25002.5 | 23787.1 |
| 62.5° | 24999.2 | 25802.0 | 23878.1 | 23842.5 | 26062.3 | 26678.2 | 26239.3 | 23904.9 | 24705.5 | 24404.7 | 22583.8 |
| 65°   | 23852.9 | 25098.4 | 24757.6 | 23570.7 | 24867.2 | 24917.6 | 24775.7 | 23506.6 | 24983.9 | 22515.9 | 20257.1 |
| 67.5° | 21355.8 | 23148.7 | 23599.2 | 21241.8 | 21642.9 | 21314.2 | 21075.8 | 21325.7 | 23531.8 | 19685.1 | 17024.7 |
| 70°   | 17394.6 | 20092.2 | 20307.6 | 16989.6 | 16807.2 | 16585.8 | 16111.8 | 17483.9 | 20667.6 | 16133.7 | 13509.0 |
| 72.5° | 12790.0 | 15625.7 | 16288.8 | 12460.7 | 11616.8 | 11661.8 | 11287.5 | 13175.8 | 16803.9 | 11984.5 | 10085.8 |
| 75°   | 8750.4  | 11314.4 | 12744.6 | 8694.5  | 7682.5  | 7700.5  | 7652.9  | 9336.2  | 13384.0 | 8336.7  | 7547.1  |
| 77.5° | 6392.6  | 8083.6  | 9611.8  | 5845.1  | 5674.7  | 5570.1  | 5544.9  | 6532.3  | 10261.2 | 6053.4  | 5860.5  |
| 80°   | 5129.5  | 5972.3  | 6456.1  | 4051.1  | 4356.3  | 4348.1  | 4207.8  | 4491.7  | 6701.1  | 4427.6  | 4383.2  |
| 82.5° | 3558.5  | 4589.7  | 5230.9  | 3174.9  | 2940.4  | 2891.1  | 2925.6  | 3345.3  | 4736.6  | 3026.4  | 2877.9  |
| 85°   | 1877.3  | 3048.3  | 5180.5  | 2813.8  | 1745.3  | 1392.4  | 1732.1  | 2739.3  | 4103.7  | 1603.9  | 1403.9  |
| 87.5° | 240.0   | 881.1   | 3429.7  | 1122.8  | 688.8   | 371.0   | 822.5   | 1542.5  | 2635.2  | 327.1   | 285.5   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    | 185°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 |
| 2.5°  | 11255.7 | 11031.1 | 10737.4 | 10465.0 | 10183.4 | 9902.8  | 9536.8  | 9307.2  | 9148.8  | 9118.1  | 9051.3  |
| 5°    | 10982.3 | 10236.0 | 9672.1  | 9184.4  | 8742.2  | 8117.0  | 7771.2  | 7484.1  | 7330.7  | 7315.9  | 7278.6  |
| 7.5°  | 9720.9  | 8691.3  | 7930.1  | 7239.7  | 6613.4  | 6108.7  | 5551.4  | 5292.2  | 5185.4  | 5210.6  | 5235.8  |
| 10°   | 8409.1  | 7258.3  | 6383.8  | 5678.0  | 5126.2  | 4701.0  | 4253.8  | 3951.9  | 3742.0  | 3699.9  | 3691.6  |
| 12.5° | 7450.7  | 6188.2  | 5339.4  | 4840.7  | 4414.4  | 4013.8  | 3539.8  | 3183.1  | 2911.9  | 2818.7  | 2756.8  |
| 15°   | 7045.2  | 5664.9  | 4775.5  | 4238.5  | 3767.3  | 3259.3  | 2818.7  | 2445.6  | 2196.2  | 2115.1  | 2069.7  |
| 17.5° | 7131.8  | 5519.6  | 4387.0  | 3699.9  | 3097.6  | 2567.2  | 2012.1  | 1692.7  | 1542.5  | 1504.2  | 1504.2  |
| 20°   | 7584.4  | 5492.8  | 4065.9  | 3203.9  | 2452.1  | 1837.9  | 1382.5  | 1200.0  | 1151.3  | 1146.3  | 1159.5  |
| 22.5° | 8218.9  | 5587.6  | 3827.0  | 2773.8  | 1905.8  | 1342.0  | 1076.7  | 1009.4  | 987.4   | 992.9   | 1007.7  |
| 25°   | 9164.2  | 5906.5  | 3653.3  | 2390.2  | 1495.4  | 1098.7  | 960.0   | 920.0   | 909.6   | 923.3   | 942.0   |
| 27.5° | 10284.7 | 6225.4  | 3544.8  | 2101.4  | 1262.5  | 1004.4  | 912.9   | 871.3   | 877.8   | 894.8   | 911.3   |
| 30°   | 11268.9 | 6487.3  | 3374.4  | 1896.0  | 1190.2  | 1009.4  | 912.9   | 855.9   | 849.3   | 852.6   | 857.6   |
| 32.5° | 12152.2 | 6664.3  | 3174.9  | 1699.8  | 1026.3  | 896.5   | 852.6   | 844.4   | 806.6   | 792.9   | 795.1   |
| 35°   | 12913.3 | 6664.3  | 3055.4  | 1585.3  | 920.0   | 795.1   | 724.4   | 682.2   | 663.0   | 664.7   | 683.9   |
| 37.5° | 13647.6 | 6530.6  | 2996.3  | 1520.6  | 862.5   | 756.2   | 693.7   | 656.5   | 631.3   | 626.3   | 629.6   |
| 40°   | 14295.3 | 6336.7  | 2928.9  | 1493.8  | 818.7   | 732.6   | 674.0   | 642.8   | 615.9   | 607.7   | 609.3   |
| 42.5° | 14815.3 | 6179.4  | 2854.3  | 1458.7  | 791.3   | 715.6   | 659.7   | 632.9   | 602.8   | 594.0   | 592.3   |
| 45°   | 15377.5 | 6127.3  | 2756.8  | 1387.4  | 805.0   | 717.3   | 656.5   | 628.0   | 597.3   | 587.4   | 584.1   |
| 47.5° | 16118.4 | 6291.2  | 2655.4  | 1303.1  | 834.0   | 726.1   | 661.4   | 628.0   | 595.6   | 587.4   | 584.1   |
| 50°   | 17051.6 | 6675.8  | 2526.7  | 1179.8  | 805.0   | 749.6   | 659.7   | 622.5   | 595.6   | 587.4   | 580.8   |
| 52.5° | 18250.5 | 7195.9  | 2358.4  | 1038.4  | 788.0   | 806.6   | 656.5   | 612.6   | 587.4   | 575.9   | 563.9   |
| 55°   | 19707.0 | 7621.1  | 2156.8  | 921.7   | 749.6   | 791.3   | 651.5   | 601.1   | 574.3   | 557.3   | 546.9   |
| 57.5° | 20773.9 | 7774.5  | 1899.2  | 846.1   | 695.4   | 766.1   | 644.4   | 585.8   | 557.3   | 543.6   | 530.4   |
| 60°   | 20562.9 | 7477.5  | 1681.2  | 798.4   | 663.0   | 692.1   | 639.5   | 572.1   | 541.9   | 532.1   | 519.5   |
| 62.5° | 18873.5 | 6701.1  | 1540.9  | 776.5   | 642.8   | 631.3   | 644.4   | 558.9   | 528.8   | 517.8   | 514.5   |
| 65°   | 16339.7 | 5554.7  | 1485.5  | 771.5   | 626.3   | 595.6   | 599.5   | 543.6   | 512.9   | 504.7   | 501.4   |
| 67.5° | 13478.3 | 4483.4  | 1436.8  | 788.0   | 604.4   | 570.4   | 554.0   | 523.3   | 497.6   | 489.3   | 482.8   |
| 70°   | 10628.9 | 3728.9  | 1414.3  | 778.1   | 577.6   | 545.2   | 527.1   | 501.4   | 479.5   | 470.7   | 465.8   |
| 72.5° | 8559.2  | 3149.7  | 1402.2  | 767.7   | 541.9   | 511.3   | 494.3   | 472.3   | 448.8   | 445.5   | 440.6   |
| 75°   | 7243.5  | 2476.3  | 1285.0  | 735.9   | 501.4   | 470.7   | 459.2   | 438.9   | 415.4   | 415.4   | 412.1   |
| 77.5° | 5587.6  | 1790.7  | 1068.5  | 651.5   | 459.2   | 425.2   | 415.4   | 400.0   | 373.2   | 378.1   | 376.5   |
| 80°   | 4127.3  | 1168.3  | 835.6   | 540.3   | 407.1   | 374.8   | 369.3   | 354.5   | 325.5   | 332.6   | 332.6   |
| 82.5° | 2827.5  | 766.1   | 601.1   | 442.2   | 347.4   | 317.3   | 317.3   | 301.9   | 270.1   | 273.4   | 283.8   |
| 85°   | 1419.8  | 527.1   | 448.8   | 342.5   | 270.1   | 254.8   | 254.8   | 243.3   | 211.0   | 212.6   | 226.3   |
| 87.5° | 432.3   | 317.3   | 297.0   | 244.9   | 194.0   | 190.7   | 181.9   | 173.7   | 153.4   | 151.8   | 160.6   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    | 285°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 |
| 2.5°  | 8947.7  | 8851.3  | 8735.6  | 8478.7  | 8392.6  | 8387.1  | 8465.5  | 8383.9  | 8539.5  | 8473.7  | 8546.1  |
| 5°    | 7215.6  | 7121.9  | 6991.5  | 6664.3  | 6464.9  | 6329.5  | 6266.0  | 6076.9  | 6213.4  | 6113.6  | 6196.9  |
| 7.5°  | 5307.0  | 5329.0  | 5242.9  | 5050.6  | 4616.6  | 4399.1  | 4270.8  | 4155.8  | 4255.5  | 4245.1  | 4404.0  |
| 10°   | 3730.5  | 3789.2  | 3728.9  | 3534.9  | 3183.1  | 3063.7  | 3087.2  | 3132.7  | 3263.1  | 3330.0  | 3574.9  |
| 12.5° | 2685.6  | 2682.3  | 2643.4  | 2469.7  | 2238.4  | 2251.6  | 2348.0  | 2426.9  | 2546.9  | 2618.2  | 2867.5  |
| 15°   | 2005.0  | 1974.9  | 1957.9  | 1816.0  | 1684.4  | 1713.5  | 1760.6  | 1768.8  | 1845.0  | 1887.2  | 2089.9  |
| 17.5° | 1515.7  | 1531.0  | 1549.1  | 1448.3  | 1348.5  | 1329.9  | 1293.2  | 1247.2  | 1269.6  | 1277.9  | 1378.7  |
| 20°   | 1203.3  | 1264.2  | 1310.2  | 1238.9  | 1138.1  | 1083.3  | 1036.2  | 1006.1  | 1006.1  | 1004.4  | 1032.9  |
| 22.5° | 1051.5  | 1095.4  | 1144.7  | 1095.4  | 1004.4  | 956.7   | 929.9   | 906.3   | 903.0   | 903.0   | 929.9   |
| 25°   | 969.3   | 1001.1  | 1048.3  | 1014.8  | 946.9   | 911.3   | 886.1   | 855.9   | 844.4   | 840.6   | 859.2   |
| 27.5° | 928.3   | 942.0   | 965.5   | 934.8   | 877.8   | 860.9   | 854.3   | 827.4   | 811.5   | 803.3   | 822.5   |
| 30°   | 859.2   | 855.9   | 857.6   | 827.4   | 781.4   | 779.8   | 791.3   | 796.7   | 791.3   | 789.6   | 818.7   |
| 32.5° | 795.1   | 788.0   | 786.3   | 759.5   | 717.3   | 707.4   | 717.3   | 727.7   | 739.2   | 756.2   | 789.6   |
| 35°   | 714.0   | 731.0   | 740.8   | 717.3   | 666.3   | 636.2   | 624.7   | 606.0   | 595.6   | 595.6   | 634.5   |
| 37.5° | 649.9   | 688.8   | 704.1   | 682.2   | 626.3   | 584.1   | 563.9   | 560.6   | 562.2   | 568.8   | 606.0   |
| 40°   | 628.0   | 656.5   | 669.6   | 648.2   | 592.3   | 554.0   | 541.9   | 538.6   | 541.9   | 552.3   | 589.1   |
| 42.5° | 614.3   | 634.5   | 632.9   | 606.0   | 560.6   | 533.7   | 527.1   | 523.3   | 527.1   | 537.0   | 577.6   |
| 45°   | 602.8   | 615.9   | 602.8   | 570.4   | 528.8   | 514.5   | 516.2   | 514.5   | 517.8   | 528.8   | 567.1   |
| 47.5° | 592.3   | 597.3   | 580.8   | 548.5   | 504.7   | 501.4   | 508.0   | 512.9   | 516.2   | 525.5   | 565.5   |
| 50°   | 577.6   | 577.6   | 562.2   | 528.8   | 484.4   | 486.0   | 494.3   | 506.3   | 508.0   | 517.8   | 550.7   |
| 52.5° | 558.9   | 557.3   | 546.9   | 514.5   | 467.4   | 472.3   | 472.3   | 486.0   | 489.3   | 501.4   | 535.4   |
| 55°   | 543.6   | 540.3   | 535.4   | 504.7   | 452.6   | 460.8   | 455.9   | 460.8   | 469.1   | 481.1   | 517.8   |
| 57.5° | 530.4   | 523.3   | 523.3   | 495.9   | 440.6   | 443.9   | 432.3   | 438.9   | 448.8   | 459.2   | 497.6   |
| 60°   | 516.2   | 509.6   | 512.9   | 484.4   | 421.9   | 418.6   | 413.7   | 426.9   | 430.7   | 442.2   | 481.1   |
| 62.5° | 501.4   | 495.9   | 497.6   | 470.7   | 408.8   | 400.0   | 400.0   | 412.1   | 413.7   | 430.7   | 467.4   |
| 65°   | 489.3   | 482.8   | 481.1   | 457.6   | 393.4   | 383.6   | 388.5   | 393.4   | 396.7   | 413.7   | 448.8   |
| 67.5° | 477.8   | 464.1   | 464.1   | 445.5   | 376.5   | 366.0   | 376.5   | 374.8   | 380.3   | 395.1   | 423.6   |
| 70°   | 462.5   | 443.9   | 445.5   | 437.3   | 359.5   | 347.4   | 356.2   | 354.5   | 357.8   | 367.7   | 396.7   |
| 72.5° | 438.9   | 423.6   | 426.9   | 423.6   | 342.5   | 325.5   | 328.8   | 328.8   | 328.8   | 337.5   | 367.7   |
| 75°   | 408.8   | 396.7   | 407.1   | 415.4   | 322.2   | 298.6   | 301.9   | 301.9   | 297.0   | 301.9   | 339.2   |
| 77.5° | 371.0   | 364.4   | 398.4   | 386.9   | 298.6   | 270.1   | 270.1   | 266.9   | 257.0   | 263.6   | 303.6   |
| 80°   | 331.0   | 325.5   | 367.7   | 323.8   | 271.8   | 235.1   | 231.2   | 222.5   | 212.6   | 217.5   | 258.6   |
| 82.5° | 288.8   | 283.8   | 309.1   | 248.2   | 235.1   | 194.0   | 185.8   | 170.4   | 160.6   | 165.5   | 202.2   |
| 85°   | 236.7   | 236.7   | 238.4   | 187.4   | 178.6   | 148.5   | 138.6   | 118.4   | 106.3   | 109.6   | 145.2   |
| 87.5° | 168.8   | 173.7   | 160.6   | 128.2   | 106.3   | 82.7    | 76.2    | 64.1    | 53.7    | 62.5    | 76.2    |
| 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: P299026

CATALOG NUMBER: GLNA-AF-09-LED-E1-SLL-600

**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 | 10374.6 |
| 2.5°  | 8917.6  | 9103.3  | 9314.3  | 9583.9  | 9815.7  | 10194.9 | 10559.8 | 10779.0 |
| 5°    | 6667.6  | 6976.7  | 7360.8  | 7856.2  | 8317.0  | 9008.5  | 9695.7  | 10136.2 |
| 7.5°  | 4771.7  | 5102.6  | 5518.0  | 6135.6  | 6787.6  | 7669.9  | 8578.4  | 9105.0  |
| 10°   | 3948.6  | 4287.8  | 4636.9  | 5053.9  | 5587.6  | 6547.6  | 7621.1  | 8215.1  |
| 12.5° | 3266.4  | 3629.2  | 4005.6  | 4444.5  | 4938.8  | 5796.4  | 7033.7  | 7717.5  |
| 15°   | 2499.8  | 2904.8  | 3348.6  | 3904.2  | 4523.4  | 5514.7  | 6888.5  | 7631.0  |
| 17.5° | 1713.5  | 2166.1  | 2710.8  | 3396.3  | 4154.1  | 5423.2  | 7148.7  | 8004.7  |
| 20°   | 1179.8  | 1509.1  | 2091.6  | 2894.9  | 3806.7  | 5411.7  | 7647.9  | 8720.3  |
| 22.5° | 987.4   | 1134.3  | 1559.5  | 2434.1  | 3544.8  | 5556.9  | 8423.3  | 9724.2  |
| 25°   | 912.9   | 1001.1  | 1245.5  | 2034.0  | 3354.1  | 5891.2  | 9490.2  | 11023.9 |
| 27.5° | 869.6   | 948.5   | 1131.0  | 1772.7  | 3203.9  | 6279.1  | 10528.0 | 12283.2 |
| 30°   | 886.1   | 967.2   | 1098.7  | 1639.0  | 2999.6  | 6603.0  | 11449.7 | 13265.7 |
| 32.5° | 798.4   | 834.0   | 942.0   | 1520.6  | 2852.7  | 6874.8  | 12256.3 | 14079.4 |
| 35°   | 680.6   | 742.5   | 840.6   | 1465.3  | 2856.0  | 7057.2  | 13135.8 | 15118.9 |
| 37.5° | 648.2   | 710.7   | 781.4   | 1445.0  | 2894.9  | 7251.8  | 14145.1 | 16338.1 |
| 40°   | 628.0   | 685.5   | 746.3   | 1433.5  | 2932.2  | 7428.8  | 15134.8 | 17543.1 |
| 42.5° | 614.3   | 666.3   | 742.5   | 1392.4  | 2950.8  | 7587.7  | 15948.0 | 18567.8 |
| 45°   | 612.6   | 666.3   | 756.2   | 1351.8  | 2979.3  | 7758.1  | 16630.2 | 19325.6 |
| 47.5° | 614.3   | 688.8   | 731.0   | 1303.1  | 2979.3  | 8043.0  | 17430.2 | 20002.3 |
| 50°   | 607.7   | 726.1   | 704.1   | 1234.0  | 2910.2  | 8583.3  | 18527.2 | 20908.7 |
| 52.5° | 604.4   | 721.1   | 651.5   | 1127.7  | 2790.2  | 9440.9  | 19933.3 | 22158.0 |
| 55°   | 595.6   | 695.4   | 614.3   | 969.3   | 2650.5  | 10376.3 | 21439.1 | 23635.3 |
| 57.5° | 587.4   | 615.9   | 594.0   | 830.7   | 2434.1  | 11034.4 | 22475.3 | 24787.7 |
| 60°   | 658.1   | 538.6   | 577.6   | 762.8   | 2145.3  | 11214.6 | 22435.3 | 25246.9 |
| 62.5° | 609.3   | 504.7   | 555.6   | 748.0   | 1943.1  | 10708.3 | 21398.6 | 24999.2 |
| 65°   | 477.8   | 482.8   | 533.7   | 791.3   | 1888.8  | 9366.9  | 19561.8 | 23852.9 |
| 67.5° | 437.3   | 460.8   | 511.3   | 847.7   | 1894.3  | 7499.4  | 16817.6 | 21355.8 |
| 70°   | 412.1   | 437.3   | 486.0   | 876.2   | 1907.5  | 5590.9  | 13295.8 | 17394.6 |
| 72.5° | 383.6   | 405.5   | 457.6   | 881.1   | 1819.2  | 4061.0  | 10248.0 | 12790.0 |
| 75°   | 349.1   | 369.3   | 417.0   | 767.7   | 1507.4  | 2817.1  | 7839.2  | 8750.4  |
| 77.5° | 310.7   | 325.5   | 366.0   | 592.3   | 1119.5  | 1802.8  | 5884.0  | 6392.6  |
| 80°   | 265.2   | 273.4   | 307.4   | 434.0   | 766.1   | 1127.7  | 4655.5  | 5129.5  |
| 82.5° | 212.6   | 215.9   | 238.4   | 325.5   | 497.6   | 724.4   | 3117.9  | 3558.5  |
| 85°   | 150.1   | 150.1   | 163.8   | 236.7   | 339.2   | 459.2   | 1692.7  | 1877.3  |
| 87.5° | 70.7    | 72.3    | 72.3    | 129.9   | 177.0   | 233.4   | 390.2   | 240.0   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)