

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: STREETWORKS

Report Number: P193156

Luminaire Tested: **GAN-AF-08-LED-U-T2R-7030**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P193156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-08-LED-U-T2R-7030  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 48067.5 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B3 - U0 - G5

Input Watts (W): 445  
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: 28.75 FT



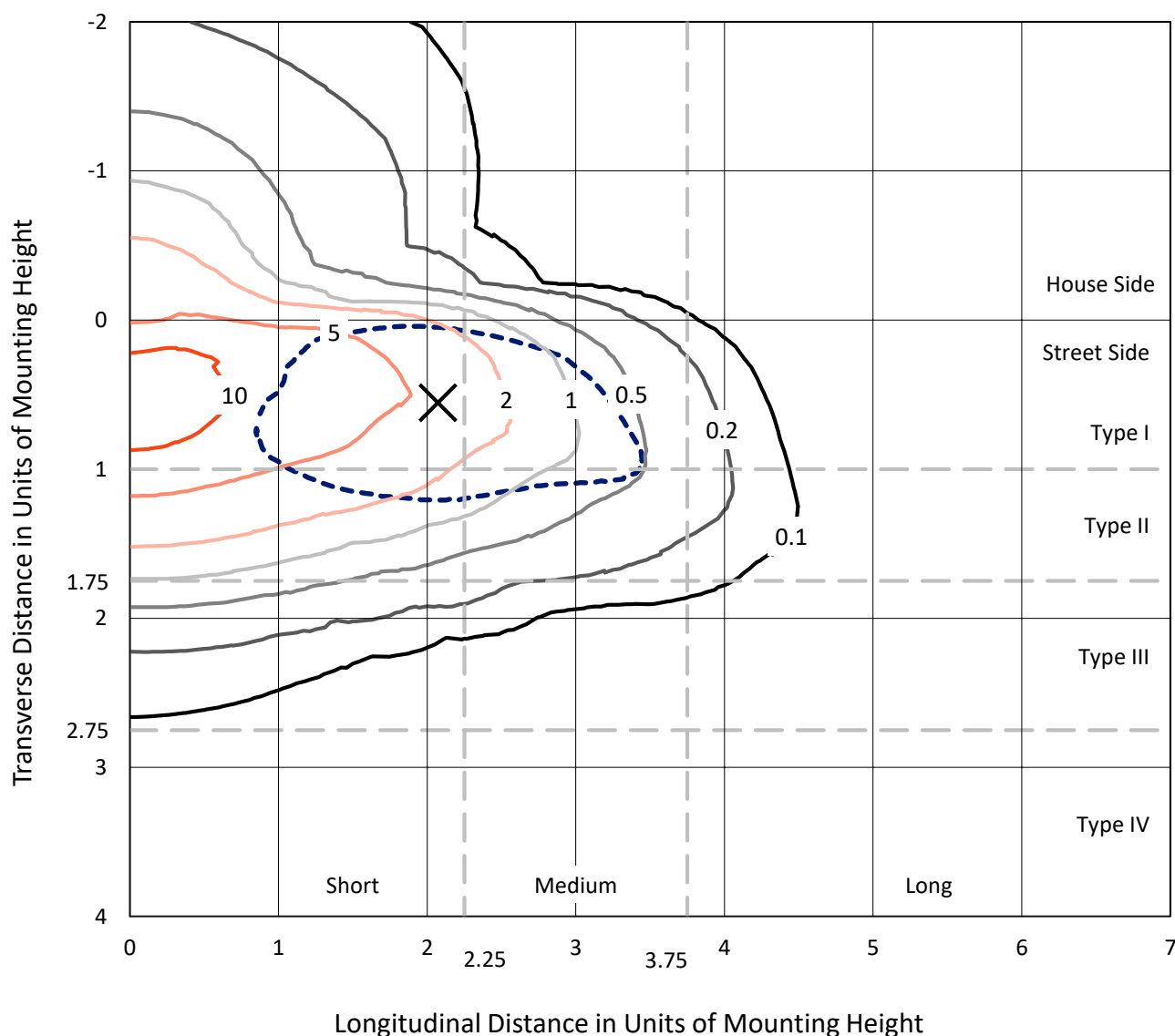
REPORT NUMBER: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

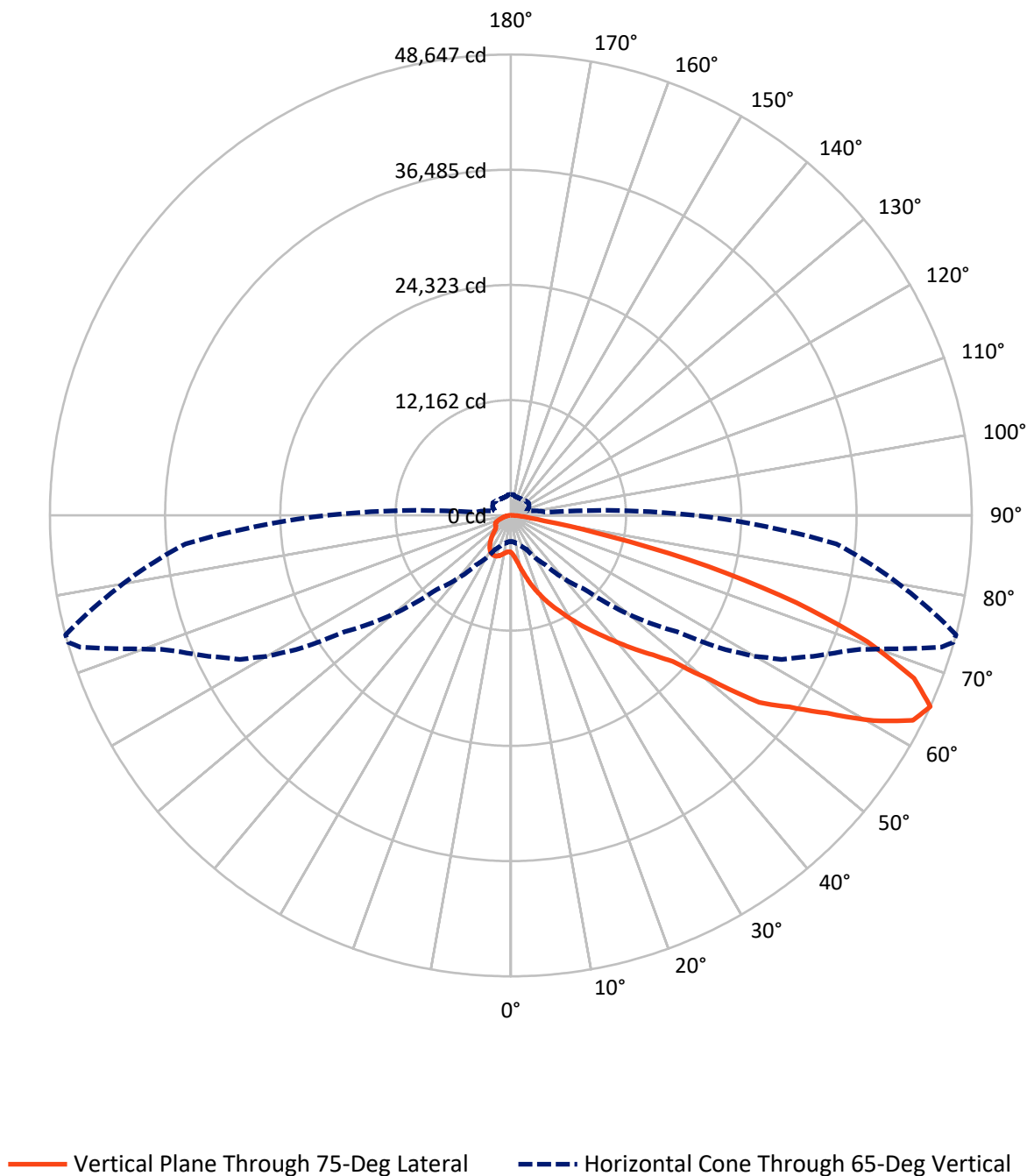


Based on 30 foot mounting height. Maximum calculated value = 13.5 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

## Luminous Intensity Polar Plot



REPORT NUMBER: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

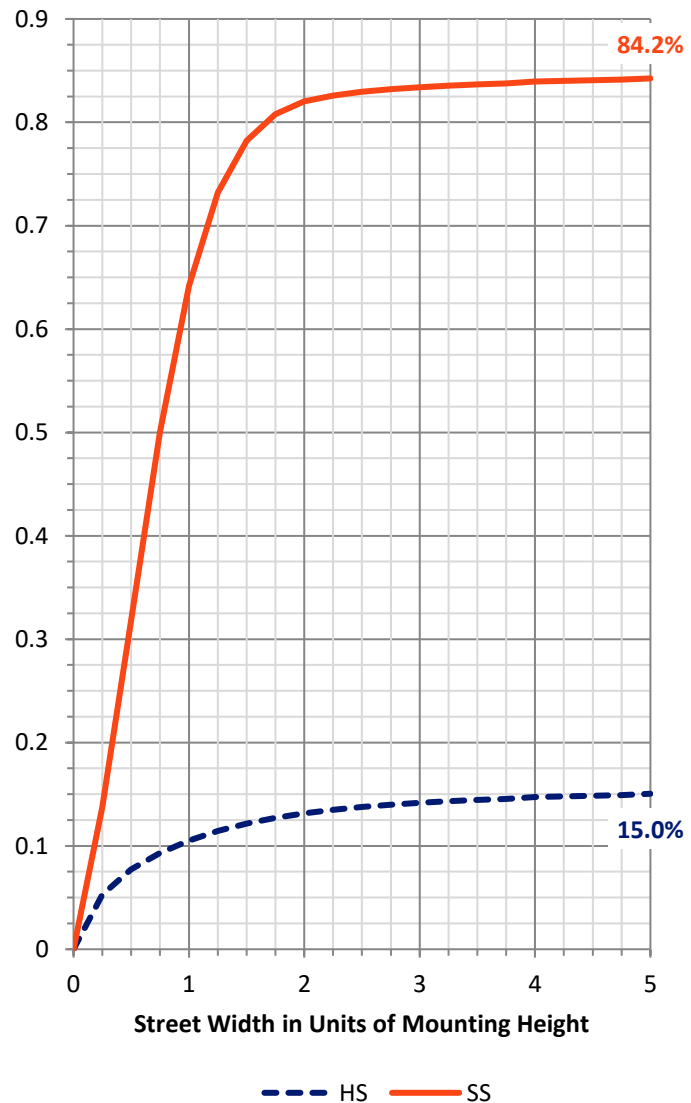
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7410.9   | 0.0    | 7410.9  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 40656.6  | 0.0    | 40656.6 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 48067.5  | 0.0    | 48067.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 482.8   | 1.0       |
| 10°-20°   | 1886.6  | 3.9       |
| 20°-30°   | 3870.7  | 8.1       |
| 30°-40°   | 6512.2  | 13.5      |
| 40°-50°   | 8998.0  | 18.7      |
| 50°-60°   | 11232.2 | 23.4      |
| 60°-70°   | 10107.8 | 21.0      |
| 70°-80°   | 4237.1  | 8.8       |
| 80°-90°   | 740.2   | 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°    | 48067.5 | 100.0     |
| 0°-180°   | 48067.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P193156

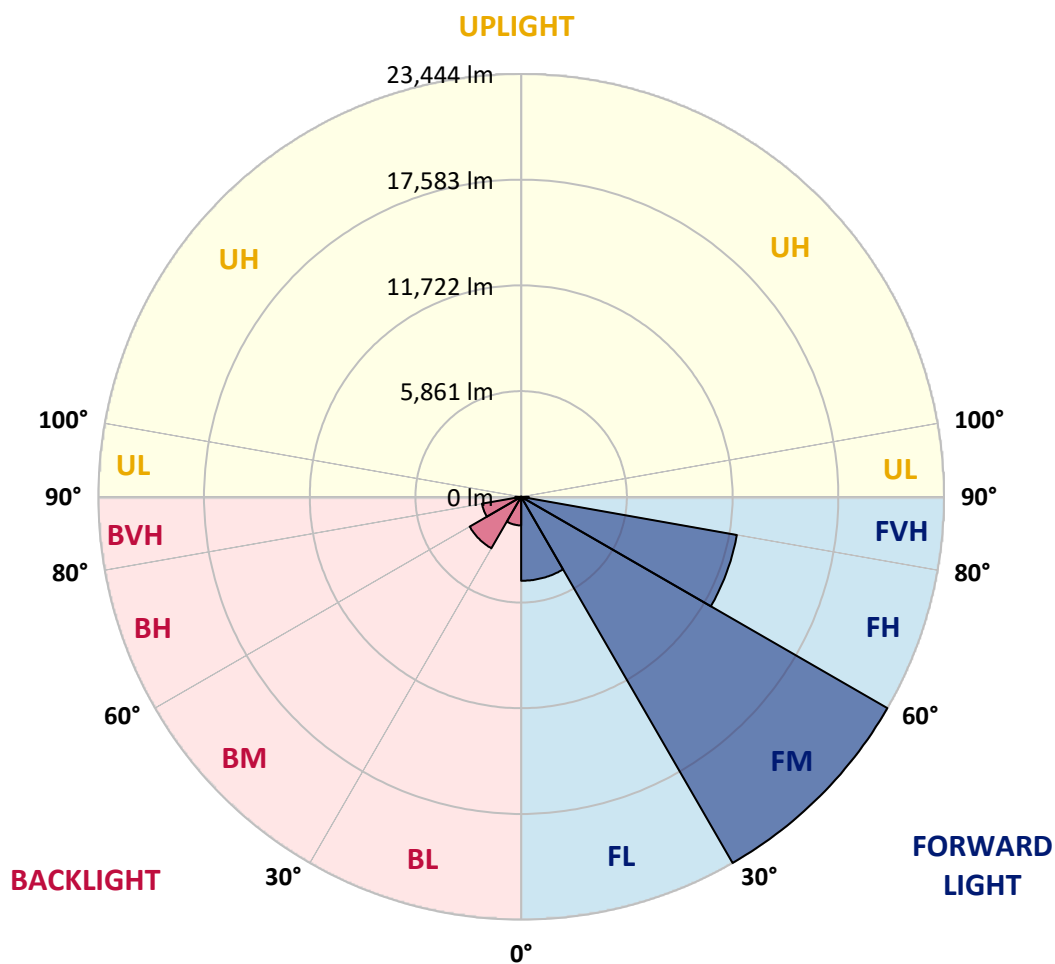
CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4655.2  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 23443.7 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 12141.7 | 25.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 416.1   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1584.9  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3298.7  | 6.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2203.2  | 4.6       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 324.2   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type II Short





REPORT NUMBER: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 57°     | 58°     | 59°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  |
| 2.5°  | 4959.9  | 4905.2  | 4918.9  | 4827.8  | 4716.4  | 4570.8  | 4409.1  | 4407.0  | 4409.1  | 4393.4  | 4334.1  |
| 5°    | 6877.8  | 6811.8  | 6786.7  | 6582.0  | 6281.7  | 5853.9  | 5389.8  | 5339.7  | 5319.3  | 5267.0  | 5146.3  |
| 7.5°  | 8276.9  | 8240.6  | 8201.9  | 8047.2  | 7774.2  | 7296.4  | 6673.0  | 6566.1  | 6463.7  | 6438.6  | 6302.1  |
| 10°   | 9180.2  | 9171.1  | 9089.2  | 9048.2  | 8877.6  | 8463.6  | 7856.1  | 7753.7  | 7642.1  | 7603.5  | 7460.1  |
| 12.5° | 9894.5  | 9892.4  | 9853.6  | 9865.0  | 9717.1  | 9416.7  | 8893.4  | 8800.2  | 8718.4  | 8600.1  | 8497.6  |
| 15°   | 10388.3 | 10390.5 | 10447.4 | 10511.1 | 10488.4 | 10285.8 | 9794.4  | 9753.5  | 9683.0  | 9601.0  | 9480.5  |
| 17.5° | 10793.2 | 10804.6 | 10863.7 | 10979.8 | 11104.9 | 11089.0 | 10700.0 | 10665.8 | 10604.3 | 10492.9 | 10429.3 |
| 20°   | 11707.9 | 11751.1 | 11637.3 | 11637.3 | 11651.0 | 11712.4 | 11525.9 | 11498.6 | 11412.0 | 11352.9 | 11302.9 |
| 22.5° | 13252.6 | 13302.8 | 13045.7 | 12784.0 | 12526.9 | 12340.3 | 12153.8 | 12187.9 | 12128.8 | 12087.8 | 12058.2 |
| 25°   | 15259.3 | 15298.1 | 14881.6 | 14440.2 | 13917.0 | 13234.5 | 12772.6 | 12752.0 | 12720.3 | 12695.3 | 12681.6 |
| 27.5° | 17147.7 | 17163.6 | 16769.9 | 16123.8 | 15516.5 | 14535.9 | 13400.5 | 13375.5 | 13336.8 | 13289.1 | 13248.1 |
| 30°   | 18763.0 | 18758.5 | 18353.5 | 17736.9 | 17086.3 | 16001.0 | 14353.8 | 14276.5 | 14162.7 | 14033.0 | 13933.0 |
| 32.5° | 20162.2 | 20155.4 | 19711.8 | 19072.4 | 18389.9 | 17452.5 | 15659.8 | 15500.5 | 15323.1 | 15070.4 | 14918.0 |
| 35°   | 21263.4 | 21258.9 | 20840.2 | 20173.6 | 19391.0 | 18819.9 | 17156.8 | 16961.1 | 16735.9 | 16396.9 | 16162.5 |
| 37.5° | 21679.8 | 21679.8 | 21445.4 | 20990.4 | 20298.7 | 19907.5 | 18819.9 | 18583.3 | 18342.1 | 17957.7 | 17693.8 |
| 40°   | 21436.3 | 21440.8 | 21491.0 | 21406.7 | 21070.0 | 20769.7 | 20371.5 | 20230.5 | 20023.5 | 19677.6 | 19402.4 |
| 42.5° | 20619.5 | 20644.5 | 20976.6 | 21384.0 | 21552.4 | 21504.5 | 21748.0 | 21684.3 | 21538.8 | 21272.4 | 21054.0 |
| 45°   | 19584.4 | 19661.8 | 20025.7 | 20794.8 | 21686.6 | 22139.3 | 22901.5 | 22908.3 | 22881.1 | 22737.7 | 22569.3 |
| 47.5° | 18162.3 | 18271.7 | 18751.6 | 19791.4 | 21372.6 | 22755.9 | 24073.2 | 24134.6 | 24191.5 | 24098.2 | 24020.8 |
| 50°   | 16274.0 | 16403.7 | 17122.7 | 18501.4 | 20733.2 | 23395.2 | 26286.9 | 26564.4 | 26823.8 | 26792.0 | 26844.4 |
| 52.5° | 14251.4 | 14403.8 | 15284.4 | 16820.0 | 19634.4 | 23543.0 | 27702.0 | 28154.8 | 28607.6 | 28978.4 | 29371.9 |
| 55°   | 12426.8 | 12344.8 | 13225.4 | 14843.0 | 17828.0 | 22876.4 | 28973.8 | 29519.8 | 30025.0 | 30479.9 | 30948.7 |
| 57.5° | 9953.7  | 10087.9 | 10970.7 | 12570.2 | 15436.8 | 20994.9 | 29849.7 | 30648.4 | 31374.2 | 32127.1 | 32791.6 |
| 60°   | 7275.9  | 7410.1  | 8367.9  | 9992.5  | 12840.8 | 18142.0 | 29180.9 | 30391.2 | 31553.8 | 32707.3 | 33608.2 |
| 62.5° | 4393.4  | 4493.4  | 5337.5  | 6884.5  | 9901.4  | 14758.7 | 26200.5 | 27788.5 | 29499.4 | 30878.1 | 32259.2 |
| 65°   | 2734.8  | 2791.6  | 3103.3  | 3954.2  | 6359.0  | 11018.5 | 21406.7 | 23138.2 | 24980.9 | 26730.6 | 28166.2 |
| 67.5° | 2238.7  | 2259.2  | 2316.1  | 2498.1  | 3492.4  | 7184.9  | 15932.7 | 17466.1 | 19129.3 | 20822.0 | 22419.1 |
| 70°   | 2013.5  | 1999.9  | 1999.9  | 2011.3  | 2238.7  | 3863.2  | 10431.5 | 11430.2 | 12815.8 | 14287.9 | 15748.5 |
| 72.5° | 1817.8  | 1804.2  | 1779.2  | 1745.0  | 1827.0  | 2357.0  | 5392.1  | 6145.2  | 7143.9  | 8452.1  | 9851.4  |
| 75°   | 1633.5  | 1615.4  | 1585.8  | 1542.5  | 1599.4  | 1779.2  | 2589.1  | 2905.3  | 3392.2  | 4088.4  | 4868.8  |
| 77.5° | 1442.4  | 1419.8  | 1392.4  | 1360.5  | 1433.4  | 1383.3  | 1517.5  | 1631.2  | 1817.8  | 2040.8  | 2334.4  |
| 80°   | 1226.3  | 1205.7  | 1196.7  | 1180.8  | 1267.3  | 1053.4  | 1071.7  | 1142.1  | 1251.3  | 1371.9  | 1508.5  |
| 82.5° | 960.1   | 960.1   | 996.6   | 1003.3  | 1098.9  | 757.6   | 800.9   | 862.3   | 919.2   | 982.9   | 1046.6  |
| 85°   | 632.5   | 637.1   | 759.9   | 807.7   | 866.9   | 509.5   | 600.6   | 621.1   | 666.6   | 703.0   | 730.3   |
| 87.5° | 198.0   | 213.8   | 464.2   | 514.2   | 498.2   | 289.0   | 368.5   | 377.7   | 409.5   | 434.6   | 457.2   |
| 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: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

**CANDELA DISTRIBUTION (continued):**

|       | 60°     | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  |
| 2.5°  | 4334.1  | 4306.8  | 4281.8  | 4279.5  | 4261.3  | 4236.3  | 4245.4  | 4206.7  | 4209.0  | 4188.6  | 4165.7  |
| 5°    | 5096.3  | 5078.2  | 4987.1  | 4962.1  | 4893.8  | 4850.6  | 4843.8  | 4752.8  | 4741.5  | 4689.1  | 4632.1  |
| 7.5°  | 6193.0  | 6133.9  | 6006.3  | 5944.9  | 5828.9  | 5742.4  | 5701.4  | 5580.9  | 5521.8  | 5385.3  | 5323.7  |
| 10°   | 7341.9  | 7266.8  | 7109.8  | 7023.3  | 6911.8  | 6773.1  | 6698.0  | 6522.8  | 6454.6  | 6329.4  | 6179.2  |
| 12.5° | 8406.6  | 8331.6  | 8170.0  | 8104.0  | 7956.2  | 7808.2  | 7726.4  | 7528.4  | 7439.7  | 7239.5  | 7121.2  |
| 15°   | 9391.7  | 9316.6  | 9175.6  | 9107.5  | 8959.5  | 8838.8  | 8729.7  | 8534.0  | 8429.4  | 8242.8  | 8088.1  |
| 17.5° | 10347.3 | 10267.6 | 10144.8 | 10083.4 | 9940.1  | 9817.2  | 9699.0  | 9514.7  | 9407.7  | 9221.2  | 9082.2  |
| 20°   | 11234.6 | 11175.5 | 11086.7 | 11004.8 | 10861.5 | 10750.0 | 10609.0 | 10449.7 | 10295.0 | 10158.5 | 10026.5 |
| 22.5° | 12008.1 | 11985.4 | 11889.8 | 11853.4 | 11730.6 | 11635.0 | 11512.2 | 11355.2 | 11243.8 | 11070.8 | 10948.0 |
| 25°   | 12674.7 | 12667.9 | 12622.4 | 12611.0 | 12524.6 | 12433.6 | 12406.3 | 12276.6 | 12174.2 | 12021.8 | 11894.4 |
| 27.5° | 13248.1 | 13254.9 | 13243.6 | 13275.4 | 13252.6 | 13211.7 | 13214.1 | 13170.7 | 13111.5 | 12984.2 | 12872.7 |
| 30°   | 13885.1 | 13848.7 | 13869.3 | 13914.7 | 13928.4 | 13933.0 | 14008.0 | 14033.0 | 14028.5 | 13944.3 | 13889.7 |
| 32.5° | 14786.0 | 14699.6 | 14620.0 | 14613.2 | 14658.7 | 14676.9 | 14804.3 | 14870.3 | 14927.1 | 14947.6 | 14956.7 |
| 35°   | 15935.0 | 15762.2 | 15596.0 | 15507.2 | 15429.9 | 15450.5 | 15541.5 | 15648.3 | 15773.5 | 15860.0 | 15962.3 |
| 37.5° | 17382.0 | 17170.4 | 16877.0 | 16667.6 | 16615.3 | 16501.5 | 16560.8 | 16644.9 | 16767.7 | 16902.0 | 17079.4 |
| 40°   | 19136.1 | 18815.3 | 18485.5 | 18207.9 | 18057.8 | 17848.4 | 17846.2 | 17830.2 | 17905.3 | 18030.4 | 18280.7 |
| 42.5° | 20824.3 | 20539.8 | 20189.6 | 19898.3 | 19702.6 | 19422.8 | 19365.9 | 19218.0 | 19252.1 | 19361.4 | 19604.8 |
| 45°   | 22405.5 | 22171.2 | 21957.3 | 21620.5 | 21454.4 | 21151.9 | 21056.3 | 20881.2 | 20783.3 | 20833.4 | 21076.8 |
| 47.5° | 23936.7 | 23786.5 | 23563.6 | 23345.1 | 23217.7 | 22946.9 | 22824.1 | 22699.0 | 22573.8 | 22569.3 | 22824.1 |
| 50°   | 26921.7 | 26842.0 | 26578.1 | 26350.6 | 26412.0 | 26079.8 | 26100.3 | 25763.7 | 25916.1 | 25934.3 | 26468.9 |
| 52.5° | 29726.9 | 30004.4 | 30200.2 | 30439.0 | 30593.6 | 30623.3 | 30725.7 | 30878.1 | 31062.4 | 31426.5 | 31922.4 |
| 55°   | 31333.2 | 31681.3 | 31883.7 | 32065.7 | 32366.1 | 32429.8 | 32600.4 | 32802.9 | 32964.4 | 33373.9 | 33794.9 |
| 57.5° | 33242.0 | 33888.1 | 34202.1 | 34491.1 | 34896.0 | 35050.7 | 35335.1 | 35555.8 | 35765.2 | 36249.7 | 36759.3 |
| 60°   | 34418.2 | 35205.4 | 35844.6 | 36302.1 | 36809.5 | 37173.4 | 37603.4 | 37949.2 | 38440.6 | 39020.9 | 39780.8 |
| 62.5° | 33483.1 | 34638.9 | 35487.5 | 36272.4 | 36961.9 | 37658.1 | 38274.6 | 38920.8 | 39667.0 | 40545.1 | 41723.7 |
| 65°   | 29758.7 | 30935.0 | 32388.9 | 33203.4 | 34115.6 | 35189.4 | 36126.9 | 37173.4 | 38190.4 | 39469.1 | 41211.8 |
| 67.5° | 23957.2 | 25324.5 | 26958.1 | 27779.3 | 28828.3 | 30027.1 | 31078.4 | 32356.9 | 33544.6 | 35094.0 | 37248.4 |
| 70°   | 17268.3 | 19036.0 | 20410.1 | 21268.0 | 22492.0 | 23727.4 | 24742.1 | 26230.0 | 27212.8 | 28801.0 | 31028.3 |
| 72.5° | 10934.3 | 12329.0 | 14012.5 | 15093.3 | 16180.7 | 17432.1 | 18469.5 | 19752.8 | 20669.5 | 22116.6 | 24134.6 |
| 75°   | 5878.9  | 6907.3  | 8386.2  | 9412.2  | 10577.1 | 11646.4 | 12861.4 | 13721.4 | 14399.3 | 15543.8 | 17181.8 |
| 77.5° | 2755.2  | 3380.8  | 4129.4  | 4918.9  | 5708.4  | 6531.9  | 7332.7  | 8028.9  | 8320.2  | 8975.4  | 9942.4  |
| 80°   | 1672.2  | 1874.7  | 2093.1  | 2336.5  | 2666.5  | 2932.6  | 3285.3  | 3540.1  | 3558.3  | 3765.3  | 4061.1  |
| 82.5° | 1117.0  | 1192.1  | 1258.1  | 1319.6  | 1403.8  | 1469.7  | 1544.8  | 1633.5  | 1669.9  | 1717.8  | 1813.2  |
| 85°   | 762.2   | 798.5   | 812.3   | 850.9   | 841.9   | 864.6   | 894.2   | 923.7   | 939.6   | 937.3   | 980.6   |
| 87.5° | 468.7   | 486.9   | 495.9   | 505.1   | 498.2   | 489.2   | 502.8   | 518.8   | 523.3   | 509.5   | 514.2   |
| 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: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

**CANDELA DISTRIBUTION (continued):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°     | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4  | 3906.4 | 3906.4 | 3906.4 | 3906.4 |
| 2.5°  | 4170.3  | 4149.8  | 4129.4  | 4115.7  | 4111.2  | 3990.5  | 3938.2  | 3904.2 | 3831.2 | 3772.1 | 3724.4 |
| 5°    | 4600.4  | 4557.1  | 4523.0  | 4482.1  | 4459.3  | 4154.4  | 4042.9  | 3965.6 | 3838.2 | 3763.1 | 3694.8 |
| 7.5°  | 5292.0  | 5171.3  | 5100.9  | 5021.2  | 4952.9  | 4402.4  | 4218.1  | 4097.5 | 3920.0 | 3819.9 | 3742.5 |
| 10°   | 6076.9  | 5951.8  | 5840.2  | 5717.4  | 5610.5  | 4732.2  | 4463.8  | 4277.3 | 4042.9 | 3913.2 | 3810.9 |
| 12.5° | 6952.8  | 6829.9  | 6688.9  | 6531.9  | 6395.4  | 5150.9  | 4777.8  | 4511.7 | 4190.7 | 4017.9 | 3874.6 |
| 15°   | 7988.0  | 7771.8  | 7601.2  | 7419.2  | 7259.9  | 5651.4  | 5144.0  | 4775.5 | 4347.8 | 4113.4 | 3922.3 |
| 17.5° | 8950.4  | 8722.8  | 8490.7  | 8331.6  | 8147.3  | 6213.3  | 5512.6  | 5044.0 | 4477.5 | 4174.9 | 3931.4 |
| 20°   | 9890.0  | 9642.0  | 9441.8  | 9227.9  | 9034.5  | 6795.8  | 5906.2  | 5280.6 | 4561.7 | 4177.2 | 3874.6 |
| 22.5° | 10718.2 | 10563.4 | 10340.6 | 10108.4 | 9912.8  | 7378.3  | 6274.9  | 5480.8 | 4593.5 | 4124.9 | 3774.5 |
| 25°   | 11660.0 | 11496.3 | 11223.2 | 11027.5 | 10809.1 | 7972.1  | 6636.5  | 5635.5 | 4575.3 | 4027.0 | 3619.8 |
| 27.5° | 12665.7 | 12483.6 | 12203.8 | 11999.1 | 11735.1 | 8588.7  | 6968.8  | 5747.0 | 4507.1 | 3867.8 | 3412.7 |
| 30°   | 13714.6 | 13548.4 | 13273.2 | 13066.1 | 12799.9 | 9241.5  | 7339.6  | 5822.1 | 4370.5 | 3647.1 | 3171.6 |
| 32.5° | 14840.6 | 14701.9 | 14428.9 | 14212.8 | 13928.4 | 9949.1  | 7685.4  | 5844.9 | 4163.6 | 3385.4 | 2916.6 |
| 35°   | 15910.0 | 15814.4 | 15584.6 | 15382.2 | 15086.4 | 10618.1 | 8051.8  | 5833.5 | 3917.8 | 3098.7 | 2684.6 |
| 37.5° | 17113.6 | 17056.7 | 16943.0 | 16685.8 | 16324.1 | 11525.9 | 8490.7  | 5785.8 | 3617.5 | 2814.3 | 2507.2 |
| 40°   | 18396.7 | 18401.3 | 18278.4 | 18103.2 | 17766.5 | 12627.0 | 9014.1  | 5692.4 | 3289.8 | 2564.1 | 2345.7 |
| 42.5° | 19754.9 | 19825.5 | 19766.3 | 19641.2 | 19318.1 | 13737.2 | 9639.7  | 5578.7 | 2971.3 | 2320.6 | 2186.4 |
| 45°   | 21311.1 | 21397.7 | 21488.7 | 21304.4 | 20990.4 | 15202.5 | 10463.3 | 5430.7 | 2627.8 | 2118.1 | 2077.2 |
| 47.5° | 23106.2 | 23242.7 | 23324.6 | 23327.0 | 23013.0 | 17018.0 | 11801.1 | 5342.0 | 2323.0 | 1981.6 | 2024.9 |
| 50°   | 26894.3 | 26937.6 | 27130.9 | 27467.7 | 27226.6 | 21220.3 | 14137.7 | 5287.4 | 2116.0 | 1897.5 | 1986.3 |
| 52.5° | 32352.4 | 32827.9 | 33162.4 | 33139.7 | 32811.9 | 23888.9 | 15425.4 | 5005.2 | 1993.0 | 1865.6 | 1968.0 |
| 55°   | 34575.2 | 35169.0 | 35787.9 | 35951.6 | 35696.8 | 26166.3 | 16642.6 | 4723.2 | 1933.9 | 1888.3 | 1974.9 |
| 57.5° | 37537.4 | 38538.5 | 39387.1 | 39744.3 | 39375.7 | 29080.8 | 18244.3 | 4575.3 | 1915.7 | 1949.8 | 2018.0 |
| 60°   | 40997.9 | 42235.6 | 43350.4 | 43992.0 | 43992.0 | 32429.8 | 19905.2 | 4513.8 | 1890.6 | 2040.8 | 2090.9 |
| 62.5° | 43220.8 | 45038.6 | 46722.2 | 47661.8 | 47634.6 | 34761.8 | 20642.3 | 4304.6 | 1833.8 | 2104.6 | 2190.9 |
| 65°   | 43229.8 | 45391.2 | 47536.6 | 48592.3 | 48646.9 | 34475.1 | 19425.1 | 3801.7 | 1729.1 | 2113.6 | 2291.0 |
| 67.5° | 39626.0 | 41930.8 | 44431.1 | 45611.9 | 45884.9 | 31735.9 | 16815.5 | 3126.0 | 1558.5 | 2022.6 | 2327.4 |
| 70°   | 33467.2 | 35717.3 | 38270.0 | 39430.3 | 39914.9 | 27053.5 | 13543.9 | 2409.3 | 1340.1 | 1822.3 | 2252.4 |
| 72.5° | 26366.6 | 28573.4 | 30350.2 | 31198.9 | 31576.6 | 20678.7 | 9862.8  | 1820.2 | 1098.9 | 1535.7 | 2049.9 |
| 75°   | 18667.5 | 20323.8 | 21268.0 | 21456.8 | 21516.0 | 12465.5 | 5992.7  | 1353.7 | 905.5  | 1194.4 | 1731.4 |
| 77.5° | 10536.2 | 11245.9 | 11168.6 | 11252.8 | 10552.0 | 4811.9  | 2609.5  | 969.2  | 746.2  | 907.7  | 1342.4 |
| 80°   | 4113.4  | 4240.9  | 3983.8  | 3904.2  | 3581.1  | 1790.5  | 1151.3  | 675.8  | 596.1  | 687.1  | 939.6  |
| 82.5° | 1813.2  | 1872.4  | 1817.8  | 1831.5  | 1751.9  | 923.7   | 689.3   | 489.2  | 455.1  | 502.8  | 623.5  |
| 85°   | 998.7   | 1016.9  | 1012.4  | 1042.0  | 998.7   | 368.5   | 327.7   | 300.4  | 318.5  | 341.2  | 400.4  |
| 87.5° | 486.9   | 491.4   | 475.5   | 500.5   | 484.6   | 186.7   | 161.4   | 170.7  | 186.7  | 191.1  | 191.1  |
| 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: P193156

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7030

**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 3906.4 | 3906.4 | 3906.4 | 3906.4 | 3906.4 | 3906.4 |
| 2.5°  | 3690.2 | 3672.1 | 3674.4 | 3669.8 | 3660.7 | 3660.7 |
| 5°    | 3658.4 | 3640.2 | 3640.2 | 3635.7 | 3624.2 | 3626.6 |
| 7.5°  | 3690.2 | 3660.7 | 3649.4 | 3633.4 | 3617.5 | 3617.5 |
| 10°   | 3726.8 | 3674.4 | 3642.4 | 3615.2 | 3594.7 | 3594.7 |
| 12.5° | 3753.9 | 3672.1 | 3619.8 | 3583.3 | 3562.8 | 3562.8 |
| 15°   | 3763.1 | 3656.2 | 3583.3 | 3540.1 | 3521.9 | 3519.7 |
| 17.5° | 3733.5 | 3594.7 | 3506.0 | 3456.0 | 3433.2 | 3426.4 |
| 20°   | 3642.4 | 3483.1 | 3376.3 | 3319.4 | 3287.6 | 3276.1 |
| 22.5° | 3506.0 | 3324.0 | 3198.9 | 3139.7 | 3098.7 | 3091.9 |
| 25°   | 3314.8 | 3119.3 | 2996.3 | 2939.5 | 2916.6 | 2909.9 |
| 27.5° | 3091.9 | 2909.9 | 2805.2 | 2768.8 | 2748.4 | 2746.1 |
| 30°   | 2880.3 | 2725.6 | 2648.2 | 2620.9 | 2595.9 | 2591.4 |
| 32.5° | 2682.5 | 2584.5 | 2555.0 | 2516.3 | 2457.1 | 2450.3 |
| 35°   | 2541.4 | 2532.2 | 2511.8 | 2425.3 | 2352.5 | 2332.0 |
| 37.5° | 2454.8 | 2539.0 | 2434.4 | 2263.8 | 2211.4 | 2206.9 |
| 40°   | 2404.8 | 2468.5 | 2288.8 | 2229.7 | 2234.2 | 2229.7 |
| 42.5° | 2291.0 | 2357.0 | 2293.4 | 2266.0 | 2284.3 | 2288.8 |
| 45°   | 2177.3 | 2250.0 | 2327.4 | 2309.3 | 2352.5 | 2352.5 |
| 47.5° | 2113.6 | 2222.8 | 2325.1 | 2325.1 | 2388.9 | 2411.7 |
| 50°   | 2040.8 | 2200.1 | 2288.8 | 2320.6 | 2370.7 | 2352.5 |
| 52.5° | 2036.3 | 2161.3 | 2236.4 | 2293.4 | 2316.1 | 2295.6 |
| 55°   | 2043.0 | 2129.6 | 2184.1 | 2247.8 | 2275.1 | 2277.4 |
| 57.5° | 2052.2 | 2111.3 | 2147.7 | 2177.3 | 2259.2 | 2259.2 |
| 60°   | 2075.0 | 2095.4 | 2116.0 | 2131.7 | 2238.7 | 2241.0 |
| 62.5° | 2111.3 | 2079.4 | 2075.0 | 2090.9 | 2227.4 | 2218.3 |
| 65°   | 2168.2 | 2056.7 | 2022.6 | 2038.6 | 2216.0 | 2188.7 |
| 67.5° | 2245.6 | 2022.6 | 1956.7 | 1968.0 | 2206.9 | 2147.7 |
| 70°   | 2316.1 | 1968.0 | 1874.7 | 1863.3 | 2120.4 | 2015.8 |
| 72.5° | 2323.0 | 1904.3 | 1760.9 | 1726.9 | 1842.8 | 1742.8 |
| 75°   | 2209.1 | 1861.0 | 1635.8 | 1535.7 | 1522.1 | 1508.5 |
| 77.5° | 1990.7 | 1836.0 | 1490.2 | 1333.2 | 1305.9 | 1315.1 |
| 80°   | 1665.4 | 1742.8 | 1315.1 | 1128.4 | 1276.3 | 1260.5 |
| 82.5° | 1244.5 | 1538.1 | 1117.0 | 998.7  | 996.6  | 880.5  |
| 85°   | 691.6  | 1199.0 | 910.0  | 748.5  | 521.0  | 505.1  |
| 87.5° | 193.4  | 666.6  | 637.1  | 423.2  | 289.0  | 300.4  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)