

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: P193164

Luminaire Tested: **GAN-AF-06-LED-U-T2R-7030-1200**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P193164  
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-06-LED-U-T2R-7030-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39350.8 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B3 - U0 - G4

Input Watts (W): 382  
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



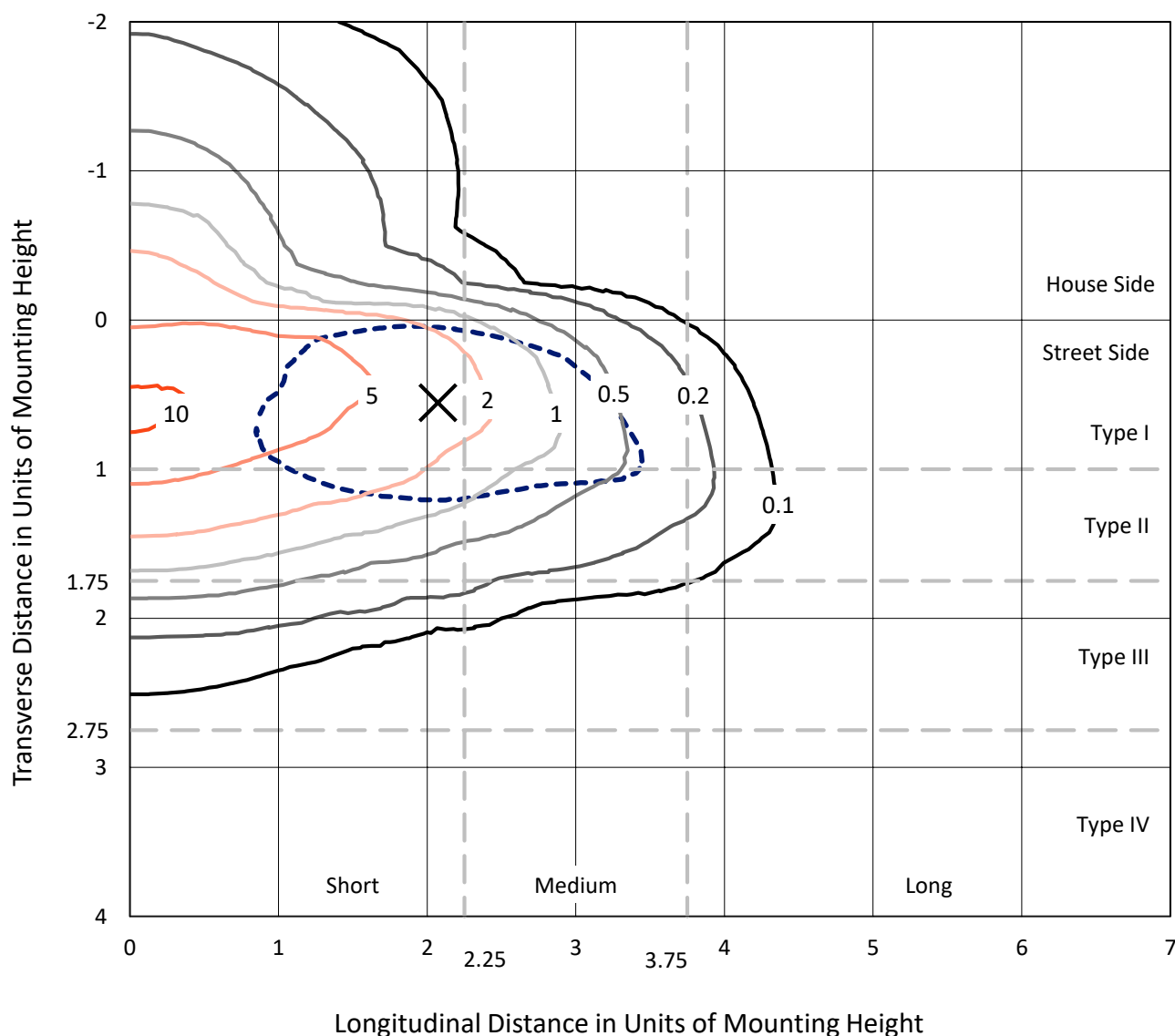
REPORT NUMBER: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

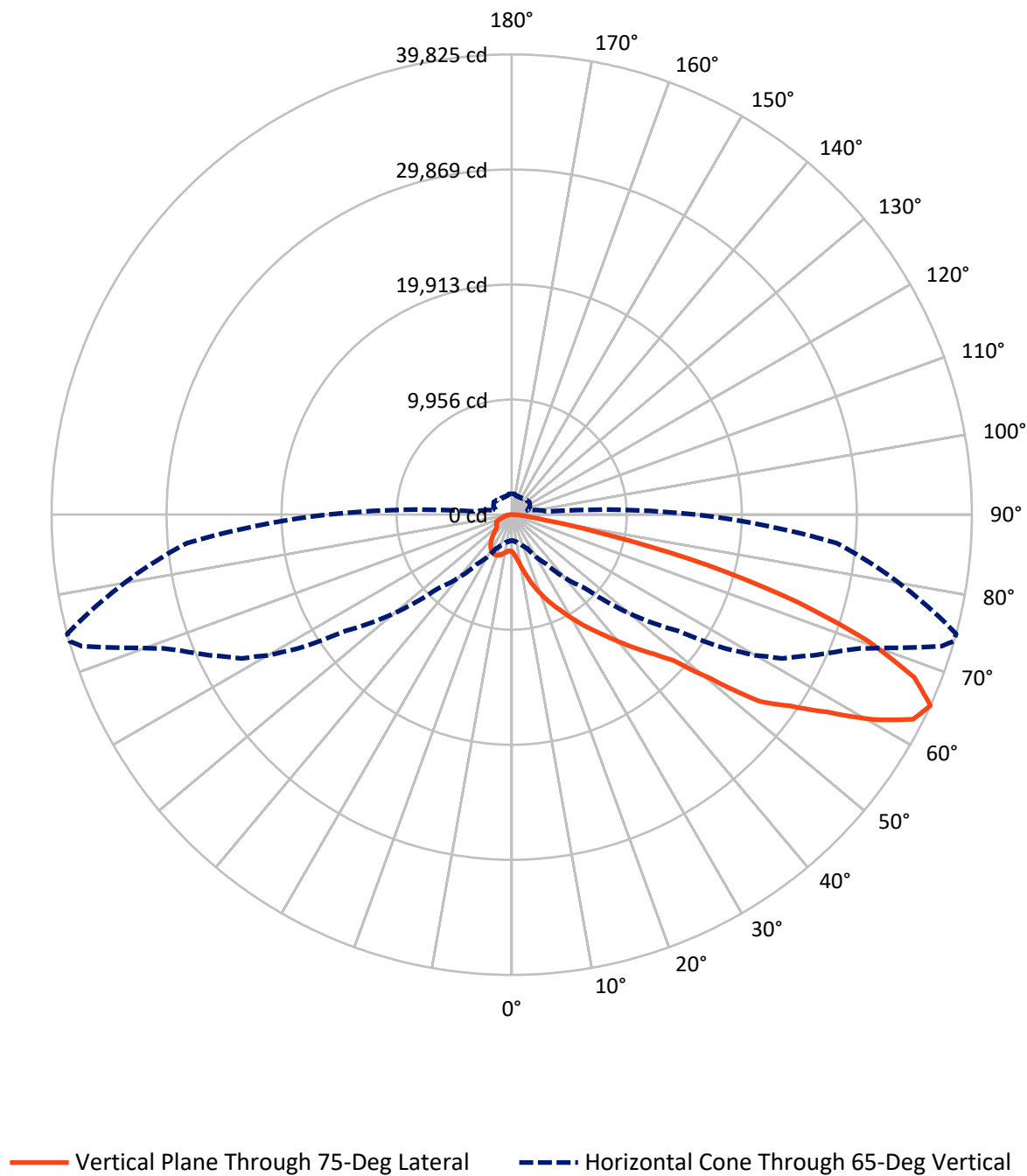


Based on 30 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

## Luminous Intensity Polar Plot



REPORT NUMBER: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

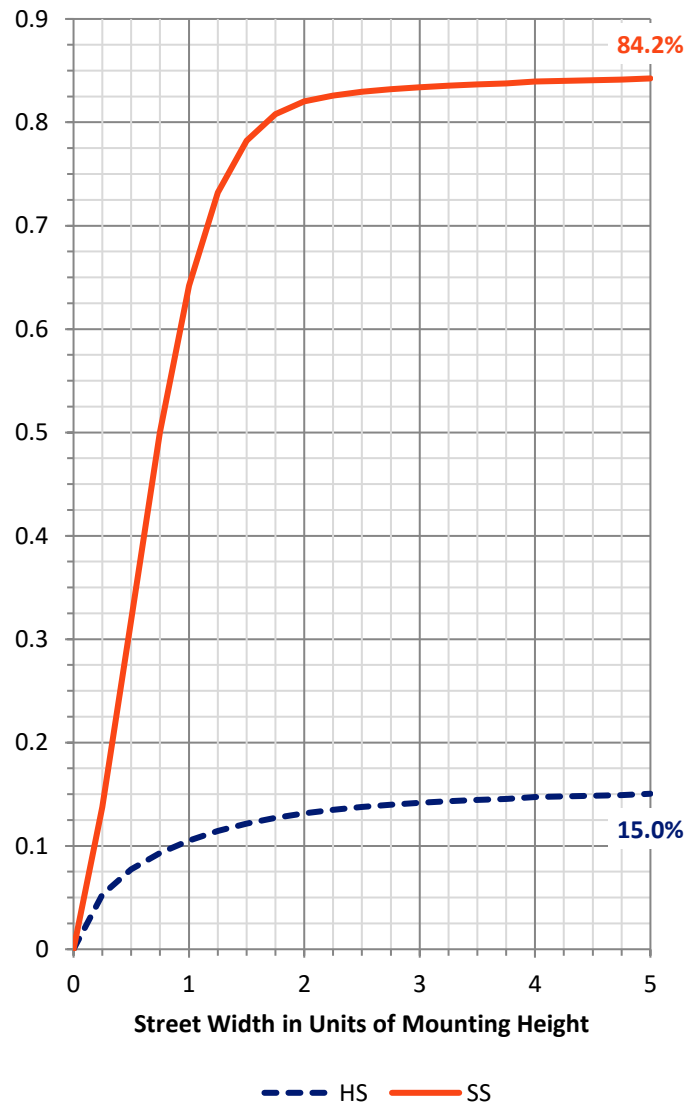
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6067.0   | 0.0    | 6067.0  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 33283.8  | 0.0    | 33283.8 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 39350.8  | 0.0    | 39350.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 395.3   | 1.0       |
| 10°-20°   | 1544.5  | 3.9       |
| 20°-30°   | 3168.7  | 8.1       |
| 30°-40°   | 5331.2  | 13.5      |
| 40°-50°   | 7366.3  | 18.7      |
| 50°-60°   | 9195.3  | 23.4      |
| 60°-70°   | 8274.8  | 21.0      |
| 70°-80°   | 3468.7  | 8.8       |
| 80°-90°   | 606.0   | 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°    | 39350.8 | 100.0     |
| 0°-180°   | 39350.8 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P193164

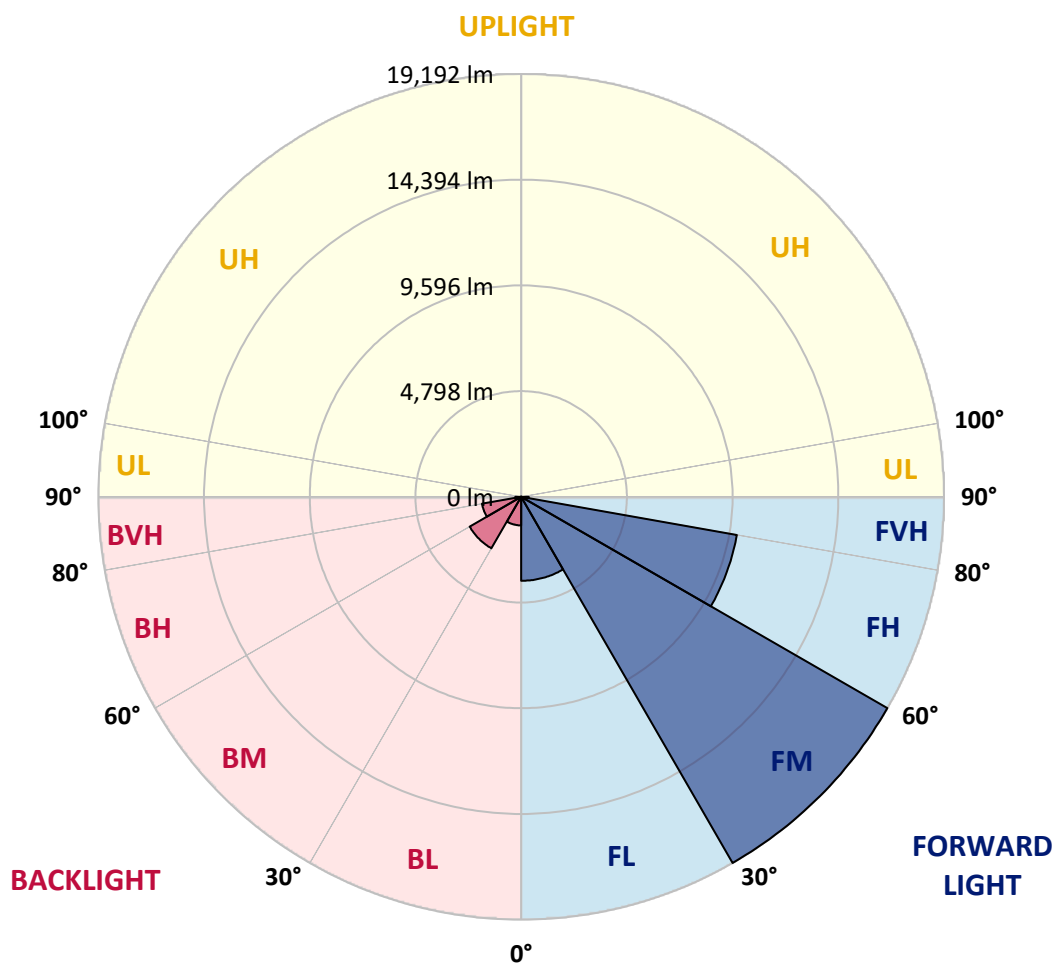
CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3811.0  | 9.7       |                         |      |          |
| FM   | (30°-60°)   | 19192.3 | 48.8      |                         |      |          |
| FH   | (60°-80°)   | 9939.9  | 25.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 340.6   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1297.5  | 3.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2700.5  | 6.9       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1803.6  | 4.6       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 265.4   | 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-G4**

Type II Short





REPORT NUMBER: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 57°     | 58°     | 59°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  |
| 2.5°  | 4060.4  | 4015.8  | 4026.9  | 3952.4  | 3861.1  | 3741.9  | 3609.6  | 3607.7  | 3609.6  | 3596.6  | 3548.2  |
| 5°    | 5630.4  | 5576.5  | 5556.1  | 5388.3  | 5142.5  | 4792.3  | 4412.4  | 4371.5  | 4354.6  | 4311.8  | 4213.1  |
| 7.5°  | 6775.9  | 6746.2  | 6714.5  | 6587.9  | 6364.4  | 5973.2  | 5462.9  | 5375.3  | 5291.5  | 5271.0  | 5159.2  |
| 10°   | 7515.4  | 7508.0  | 7440.9  | 7407.3  | 7267.7  | 6928.6  | 6431.4  | 6347.6  | 6256.3  | 6224.6  | 6107.3  |
| 12.5° | 8100.3  | 8098.4  | 8066.7  | 8076.0  | 7954.9  | 7709.2  | 7280.7  | 7204.3  | 7137.4  | 7040.4  | 6956.6  |
| 15°   | 8504.4  | 8506.3  | 8552.9  | 8605.0  | 8586.3  | 8420.6  | 8018.3  | 7984.7  | 7927.1  | 7860.0  | 7761.2  |
| 17.5° | 8835.9  | 8845.3  | 8893.7  | 8988.6  | 9091.1  | 9078.2  | 8759.7  | 8731.7  | 8681.4  | 8590.1  | 8537.9  |
| 20°   | 9584.7  | 9620.1  | 9527.0  | 9527.0  | 9538.2  | 9588.5  | 9435.7  | 9413.3  | 9342.5  | 9294.1  | 9253.1  |
| 22.5° | 10849.3 | 10890.3 | 10679.9 | 10465.7 | 10255.2 | 10102.5 | 9949.8  | 9977.7  | 9929.3  | 9895.7  | 9871.6  |
| 25°   | 12492.1 | 12523.9 | 12183.0 | 11821.7 | 11393.2 | 10834.4 | 10456.3 | 10439.6 | 10413.5 | 10393.1 | 10382.0 |
| 27.5° | 14038.0 | 14051.1 | 13728.9 | 13199.9 | 12702.6 | 11899.9 | 10970.4 | 10950.0 | 10918.3 | 10879.2 | 10845.6 |
| 30°   | 15360.5 | 15356.7 | 15025.3 | 14520.4 | 13987.8 | 13099.3 | 11750.9 | 11687.6 | 11594.4 | 11488.3 | 11406.3 |
| 32.5° | 16505.9 | 16500.4 | 16137.1 | 15613.8 | 15055.1 | 14287.7 | 12819.9 | 12689.6 | 12544.3 | 12337.5 | 12212.8 |
| 35°   | 17407.4 | 17403.7 | 17061.1 | 16515.3 | 15874.6 | 15407.0 | 14045.5 | 13885.3 | 13701.0 | 13423.5 | 13231.7 |
| 37.5° | 17748.3 | 17748.3 | 17556.5 | 17184.0 | 16617.7 | 16297.3 | 15407.0 | 15213.4 | 15015.9 | 14701.2 | 14485.0 |
| 40°   | 17549.0 | 17552.7 | 17593.7 | 17524.7 | 17249.1 | 17003.3 | 16677.4 | 16561.8 | 16392.3 | 16109.1 | 15883.9 |
| 42.5° | 16880.3 | 16900.8 | 17172.8 | 17506.2 | 17644.0 | 17604.8 | 17804.2 | 17752.0 | 17632.8 | 17414.9 | 17236.0 |
| 45°   | 16032.9 | 16096.2 | 16394.3 | 17023.8 | 17753.9 | 18124.5 | 18748.5 | 18754.1 | 18731.7 | 18614.4 | 18476.5 |
| 47.5° | 14868.8 | 14958.1 | 15351.2 | 16202.4 | 17496.9 | 18629.2 | 19707.6 | 19758.0 | 19804.6 | 19728.2 | 19664.8 |
| 50°   | 13322.8 | 13429.0 | 14017.6 | 15146.3 | 16973.4 | 19152.6 | 21519.9 | 21747.2 | 21959.5 | 21933.5 | 21976.3 |
| 52.5° | 11667.0 | 11791.8 | 12512.6 | 13769.8 | 16073.9 | 19273.8 | 22678.5 | 23049.2 | 23419.7 | 23723.4 | 24045.6 |
| 55°   | 10173.2 | 10106.3 | 10827.0 | 12151.3 | 14595.0 | 18728.0 | 23719.6 | 24166.6 | 24580.2 | 24952.6 | 25336.3 |
| 57.5° | 8148.7  | 8258.6  | 8981.2  | 10290.6 | 12637.5 | 17187.7 | 24436.7 | 25090.6 | 25684.6 | 26301.1 | 26845.0 |
| 60°   | 5956.5  | 6066.3  | 6850.4  | 8180.4  | 10512.3 | 14852.0 | 23889.1 | 24880.0 | 25831.7 | 26776.0 | 27513.6 |
| 62.5° | 3596.6  | 3678.5  | 4369.6  | 5636.1  | 8105.8  | 12082.4 | 21449.2 | 22749.2 | 24149.9 | 25278.5 | 26409.2 |
| 65°   | 2238.8  | 2285.3  | 2540.5  | 3237.2  | 5205.8  | 9020.3  | 17524.7 | 18942.2 | 20450.8 | 21883.2 | 23058.4 |
| 67.5° | 1832.8  | 1849.5  | 1896.0  | 2045.2  | 2859.0  | 5882.0  | 13043.5 | 14298.9 | 15660.3 | 17046.1 | 18353.6 |
| 70°   | 1648.4  | 1637.1  | 1637.1  | 1646.5  | 1832.8  | 3162.6  | 8539.8  | 9357.5  | 10491.7 | 11696.9 | 12892.6 |
| 72.5° | 1488.2  | 1476.9  | 1456.5  | 1428.6  | 1495.6  | 1929.6  | 4414.3  | 5030.8  | 5848.4  | 6919.4  | 8064.9  |
| 75°   | 1337.4  | 1322.4  | 1298.2  | 1262.8  | 1309.4  | 1456.5  | 2119.6  | 2378.5  | 2777.1  | 3347.0  | 3985.9  |
| 77.5° | 1180.9  | 1162.2  | 1139.9  | 1113.8  | 1173.5  | 1132.5  | 1242.3  | 1335.4  | 1488.2  | 1670.7  | 1911.0  |
| 80°   | 1003.9  | 987.1   | 979.7   | 966.6   | 1037.4  | 862.4   | 877.3   | 935.0   | 1024.5  | 1123.0  | 1234.8  |
| 82.5° | 786.0   | 786.0   | 815.8   | 821.4   | 899.6   | 620.3   | 655.7   | 706.0   | 752.5   | 804.5   | 856.8   |
| 85°   | 517.8   | 521.5   | 622.1   | 661.2   | 709.6   | 417.3   | 491.6   | 508.5   | 545.8   | 575.6   | 597.8   |
| 87.5° | 162.0   | 175.1   | 380.0   | 420.9   | 407.9   | 236.5   | 301.8   | 309.2   | 335.2   | 355.7   | 374.3   |
| 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: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

**CANDELA DISTRIBUTION (continued):**

|       | 60°     | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  |
| 2.5°  | 3548.2  | 3525.8  | 3505.4  | 3503.5  | 3488.5  | 3468.1  | 3475.5  | 3443.9  | 3445.7  | 3429.0  | 3410.3  |
| 5°    | 4172.2  | 4157.2  | 4082.7  | 4062.3  | 4006.3  | 3970.9  | 3965.3  | 3890.8  | 3881.6  | 3838.8  | 3792.2  |
| 7.5°  | 5069.8  | 5021.4  | 4917.1  | 4866.9  | 4771.9  | 4701.1  | 4667.5  | 4568.9  | 4520.4  | 4408.7  | 4358.4  |
| 10°   | 6010.5  | 5948.9  | 5820.5  | 5749.7  | 5658.4  | 5544.8  | 5483.4  | 5339.9  | 5284.1  | 5181.6  | 5058.7  |
| 12.5° | 6882.1  | 6820.7  | 6688.5  | 6634.4  | 6513.4  | 6392.3  | 6325.2  | 6163.2  | 6090.5  | 5926.7  | 5829.7  |
| 15°   | 7688.6  | 7627.2  | 7511.7  | 7455.9  | 7334.8  | 7236.0  | 7146.6  | 6986.5  | 6900.9  | 6748.1  | 6621.3  |
| 17.5° | 8470.9  | 8405.8  | 8305.2  | 8254.9  | 8137.5  | 8036.9  | 7940.1  | 7789.2  | 7701.6  | 7548.9  | 7435.3  |
| 20°   | 9197.3  | 9148.9  | 9076.2  | 9009.2  | 8891.8  | 8800.7  | 8685.1  | 8554.7  | 8428.0  | 8316.3  | 8208.3  |
| 22.5° | 9830.6  | 9811.9  | 9733.7  | 9703.9  | 9603.4  | 9525.1  | 9424.4  | 9296.0  | 9204.8  | 9063.2  | 8962.6  |
| 25°   | 10376.3 | 10370.7 | 10333.4 | 10324.1 | 10253.3 | 10178.8 | 10156.5 | 10050.3 | 9966.5  | 9841.7  | 9737.4  |
| 27.5° | 10845.6 | 10851.2 | 10841.9 | 10868.0 | 10849.3 | 10815.9 | 10817.8 | 10782.4 | 10733.8 | 10629.7 | 10538.4 |
| 30°   | 11367.3 | 11337.4 | 11354.1 | 11391.4 | 11402.6 | 11406.3 | 11467.8 | 11488.3 | 11484.5 | 11415.6 | 11370.9 |
| 32.5° | 12104.8 | 12034.0 | 11968.8 | 11963.3 | 12000.5 | 12015.4 | 12119.7 | 12173.6 | 12220.2 | 12237.0 | 12244.4 |
| 35°   | 13045.3 | 12903.7 | 12767.8 | 12695.2 | 12631.9 | 12648.6 | 12723.1 | 12810.6 | 12913.2 | 12983.9 | 13067.7 |
| 37.5° | 14229.9 | 14056.7 | 13816.4 | 13645.1 | 13602.2 | 13509.2 | 13557.6 | 13626.5 | 13727.0 | 13836.9 | 13982.2 |
| 40°   | 15665.9 | 15403.4 | 15133.3 | 14906.0 | 14783.1 | 14611.8 | 14609.9 | 14596.8 | 14658.3 | 14760.7 | 14965.7 |
| 42.5° | 17047.9 | 16815.1 | 16528.3 | 16289.9 | 16129.7 | 15900.6 | 15854.1 | 15733.0 | 15760.9 | 15850.4 | 16049.6 |
| 45°   | 18342.5 | 18150.5 | 17975.6 | 17699.9 | 17563.9 | 17316.2 | 17238.0 | 17094.4 | 17014.4 | 17055.4 | 17254.7 |
| 47.5° | 19595.9 | 19473.1 | 19290.5 | 19111.6 | 19007.4 | 18785.7 | 18685.2 | 18582.7 | 18480.2 | 18476.5 | 18685.2 |
| 50°   | 22039.6 | 21974.4 | 21758.3 | 21572.1 | 21622.4 | 21350.5 | 21367.2 | 21091.5 | 21216.4 | 21231.3 | 21669.0 |
| 52.5° | 24336.2 | 24563.3 | 24723.5 | 24919.1 | 25045.7 | 25070.0 | 25153.7 | 25278.5 | 25429.4 | 25727.5 | 26133.5 |
| 55°   | 25651.2 | 25936.1 | 26101.8 | 26250.8 | 26496.7 | 26548.9 | 26688.5 | 26854.3 | 26986.6 | 27321.8 | 27666.4 |
| 57.5° | 27213.7 | 27742.8 | 27999.8 | 28236.3 | 28567.9 | 28694.5 | 28927.4 | 29108.0 | 29279.4 | 29676.1 | 30093.3 |
| 60°   | 28176.8 | 28821.2 | 29344.6 | 29718.9 | 30134.2 | 30432.3 | 30784.4 | 31067.5 | 31469.7 | 31944.6 | 32566.8 |
| 62.5° | 27411.2 | 28357.3 | 29052.1 | 29694.7 | 30259.1 | 30829.0 | 31333.8 | 31862.7 | 32473.6 | 33192.6 | 34157.4 |
| 65°   | 24362.2 | 25325.2 | 26515.4 | 27182.2 | 27929.0 | 28808.2 | 29575.5 | 30432.3 | 31264.9 | 32311.6 | 33738.2 |
| 67.5° | 19612.7 | 20732.1 | 22069.4 | 22741.8 | 23600.4 | 24582.0 | 25442.5 | 26489.3 | 27461.5 | 28729.9 | 30493.7 |
| 70°   | 14136.8 | 15583.9 | 16709.0 | 17411.1 | 18413.3 | 19424.5 | 20255.2 | 21473.4 | 22278.0 | 23578.0 | 25401.4 |
| 72.5° | 8951.4  | 10093.2 | 11471.4 | 12356.2 | 13246.5 | 14270.9 | 15120.2 | 16170.7 | 16921.3 | 18105.9 | 19758.0 |
| 75°   | 4812.9  | 5654.7  | 6865.5  | 7705.4  | 8659.1  | 9534.4  | 10529.0 | 11233.1 | 11788.1 | 12725.0 | 14066.0 |
| 77.5° | 2255.5  | 2767.7  | 3380.6  | 4026.9  | 4673.1  | 5347.3  | 6003.0  | 6572.9  | 6811.3  | 7347.8  | 8139.4  |
| 80°   | 1369.0  | 1534.8  | 1713.5  | 1912.8  | 2182.9  | 2400.9  | 2689.5  | 2898.1  | 2913.1  | 3082.5  | 3324.6  |
| 82.5° | 914.5   | 976.0   | 1030.0  | 1080.2  | 1149.2  | 1203.2  | 1264.6  | 1337.4  | 1367.2  | 1406.2  | 1484.5  |
| 85°   | 624.0   | 653.8   | 665.0   | 696.6   | 689.1   | 707.8   | 732.0   | 756.2   | 769.1   | 767.3   | 802.7   |
| 87.5° | 383.7   | 398.6   | 406.0   | 413.4   | 407.9   | 400.4   | 411.6   | 424.7   | 428.4   | 417.3   | 420.9   |
| 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: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

**CANDELA DISTRIBUTION (continued):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°     | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0  | 3198.0 | 3198.0 | 3198.0 | 3198.0 |
| 2.5°  | 3414.1  | 3397.3  | 3380.6  | 3369.3  | 3365.6  | 3267.0  | 3224.1  | 3196.2 | 3136.5 | 3088.1 | 3049.0 |
| 5°    | 3766.0  | 3730.6  | 3702.8  | 3669.3  | 3650.6  | 3401.0  | 3309.8  | 3246.4 | 3142.1 | 3080.7 | 3024.9 |
| 7.5°  | 4332.3  | 4233.6  | 4175.9  | 4110.7  | 4054.8  | 3604.0  | 3453.1  | 3354.5 | 3209.2 | 3127.2 | 3063.8 |
| 10°   | 4974.9  | 4872.4  | 4781.1  | 4680.5  | 4593.0  | 3874.2  | 3654.2  | 3501.6 | 3309.8 | 3203.6 | 3119.8 |
| 12.5° | 5692.0  | 5591.4  | 5476.0  | 5347.3  | 5235.6  | 4216.9  | 3911.4  | 3693.4 | 3430.8 | 3289.2 | 3171.9 |
| 15°   | 6539.3  | 6362.5  | 6222.8  | 6073.8  | 5943.3  | 4626.6  | 4211.3  | 3909.6 | 3559.3 | 3367.5 | 3211.0 |
| 17.5° | 7327.3  | 7141.0  | 6951.1  | 6820.7  | 6669.8  | 5086.7  | 4513.0  | 4129.2 | 3665.5 | 3417.7 | 3218.4 |
| 20°   | 8096.5  | 7893.6  | 7729.6  | 7554.5  | 7396.2  | 5563.5  | 4835.2  | 4323.0 | 3734.4 | 3419.6 | 3171.9 |
| 22.5° | 8774.5  | 8647.9  | 8465.3  | 8275.3  | 8115.1  | 6040.3  | 5137.0  | 4486.8 | 3760.4 | 3376.7 | 3090.0 |
| 25°   | 9545.6  | 9411.5  | 9187.9  | 9027.8  | 8849.0  | 6526.4  | 5433.0  | 4613.6 | 3745.6 | 3296.7 | 2963.3 |
| 27.5° | 10368.8 | 10219.8 | 9990.7  | 9823.1  | 9607.0  | 7031.2  | 5705.0  | 4704.8 | 3689.6 | 3166.4 | 2793.9 |
| 30°   | 11227.5 | 11091.6 | 10866.2 | 10696.7 | 10478.7 | 7565.6  | 6008.6  | 4766.3 | 3577.9 | 2985.7 | 2596.4 |
| 32.5° | 12149.4 | 12035.8 | 11812.3 | 11635.3 | 11402.6 | 8144.9  | 6291.7  | 4784.9 | 3408.5 | 2771.5 | 2387.8 |
| 35°   | 13024.8 | 12946.5 | 12758.5 | 12592.7 | 12350.5 | 8692.5  | 6591.6  | 4775.6 | 3207.3 | 2536.8 | 2197.9 |
| 37.5° | 14010.1 | 13963.6 | 13870.5 | 13660.0 | 13363.8 | 9435.7  | 6951.1  | 4736.5 | 2961.5 | 2304.0 | 2052.6 |
| 40°   | 15060.7 | 15064.3 | 14963.7 | 14820.4 | 14544.7 | 10337.1 | 7379.5  | 4660.1 | 2693.2 | 2099.1 | 1920.3 |
| 42.5° | 16172.5 | 16230.4 | 16181.9 | 16079.4 | 15815.0 | 11246.0 | 7891.7  | 4567.0 | 2432.5 | 1899.8 | 1789.8 |
| 45°   | 17446.5 | 17517.3 | 17591.9 | 17440.9 | 17184.0 | 12445.6 | 8565.9  | 4445.9 | 2151.2 | 1734.1 | 1700.5 |
| 47.5° | 18916.0 | 19027.8 | 19094.9 | 19096.8 | 18839.8 | 13931.8 | 9661.0  | 4373.3 | 1901.6 | 1622.3 | 1657.7 |
| 50°   | 22017.3 | 22052.7 | 22211.0 | 22486.6 | 22289.2 | 17372.0 | 11574.0 | 4328.6 | 1732.2 | 1553.3 | 1626.0 |
| 52.5° | 26485.5 | 26874.8 | 27148.6 | 27129.9 | 26861.7 | 19556.9 | 12628.0 | 4097.7 | 1631.6 | 1527.3 | 1611.1 |
| 55°   | 28305.2 | 28791.4 | 29298.0 | 29432.0 | 29223.5 | 21421.3 | 13624.6 | 3866.6 | 1583.1 | 1545.9 | 1616.7 |
| 57.5° | 30730.3 | 31549.8 | 32244.6 | 32537.0 | 32235.2 | 23807.1 | 14935.8 | 3745.6 | 1568.3 | 1596.2 | 1652.1 |
| 60°   | 33563.3 | 34576.5 | 35489.1 | 36014.4 | 36014.4 | 26548.9 | 16295.5 | 3695.2 | 1547.7 | 1670.7 | 1711.6 |
| 62.5° | 35382.9 | 36871.1 | 38249.4 | 39018.6 | 38996.3 | 28458.0 | 16898.9 | 3523.9 | 1501.2 | 1722.9 | 1793.6 |
| 65°   | 35390.3 | 37159.8 | 38916.2 | 39780.4 | 39825.1 | 28223.3 | 15902.4 | 3112.4 | 1415.6 | 1730.3 | 1875.6 |
| 67.5° | 32440.1 | 34326.8 | 36373.8 | 37340.5 | 37564.0 | 25980.8 | 13766.1 | 2559.2 | 1275.8 | 1655.9 | 1905.4 |
| 70°   | 27398.2 | 29240.3 | 31330.0 | 32279.9 | 32676.7 | 22147.6 | 11087.7 | 1972.4 | 1097.1 | 1491.9 | 1844.0 |
| 72.5° | 21585.1 | 23391.9 | 24846.4 | 25541.2 | 25850.4 | 16928.7 | 8074.2  | 1490.1 | 899.6  | 1257.2 | 1678.1 |
| 75°   | 15282.3 | 16638.2 | 17411.1 | 17565.7 | 17614.2 | 10205.0 | 4906.0  | 1108.2 | 741.4  | 977.9  | 1417.4 |
| 77.5° | 8625.5  | 9206.6  | 9143.3  | 9212.2  | 8638.6  | 3939.4  | 2136.3  | 793.4  | 610.9  | 743.2  | 1098.9 |
| 80°   | 3367.5  | 3471.8  | 3261.3  | 3196.2  | 2931.7  | 1465.8  | 942.5   | 553.2  | 488.0  | 562.4  | 769.1  |
| 82.5° | 1484.5  | 1532.9  | 1488.2  | 1499.4  | 1434.1  | 756.2   | 564.4   | 400.4  | 372.5  | 411.6  | 510.4  |
| 85°   | 817.7   | 832.5   | 828.8   | 853.1   | 817.7   | 301.8   | 268.2   | 245.9  | 260.8  | 279.3  | 327.8  |
| 87.5° | 398.6   | 402.3   | 389.3   | 409.7   | 396.7   | 152.8   | 132.2   | 139.8  | 152.8  | 156.5  | 156.5  |
| 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: P193164

CATALOG NUMBER: GAN-AF-06-LED-U-T2R-7030-1200

**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 3198.0 | 3198.0 | 3198.0 | 3198.0 | 3198.0 | 3198.0 |
| 2.5°  | 3021.0 | 3006.2 | 3008.0 | 3004.3 | 2996.9 | 2996.9 |
| 5°    | 2995.1 | 2980.0 | 2980.0 | 2976.3 | 2967.1 | 2968.9 |
| 7.5°  | 3021.0 | 2996.9 | 2987.5 | 2974.5 | 2961.5 | 2961.5 |
| 10°   | 3050.8 | 3008.0 | 2981.9 | 2959.7 | 2942.8 | 2942.8 |
| 12.5° | 3073.3 | 3006.2 | 2963.3 | 2933.5 | 2916.7 | 2916.7 |
| 15°   | 3080.7 | 2993.1 | 2933.5 | 2898.1 | 2883.3 | 2881.3 |
| 17.5° | 3056.4 | 2942.8 | 2870.2 | 2829.3 | 2810.5 | 2805.0 |
| 20°   | 2981.9 | 2851.5 | 2764.0 | 2717.5 | 2691.4 | 2682.1 |
| 22.5° | 2870.2 | 2721.2 | 2618.7 | 2570.4 | 2536.8 | 2531.2 |
| 25°   | 2713.8 | 2553.6 | 2453.0 | 2406.4 | 2387.8 | 2382.2 |
| 27.5° | 2531.2 | 2382.2 | 2296.5 | 2266.7 | 2249.9 | 2248.1 |
| 30°   | 2358.1 | 2231.3 | 2168.0 | 2145.7 | 2125.2 | 2121.5 |
| 32.5° | 2196.0 | 2116.0 | 2091.7 | 2060.0 | 2011.6 | 2006.0 |
| 35°   | 2080.6 | 2072.9 | 2056.3 | 1985.5 | 1925.9 | 1909.1 |
| 37.5° | 2009.8 | 2078.6 | 1992.9 | 1853.2 | 1810.4 | 1806.7 |
| 40°   | 1968.8 | 2020.9 | 1873.7 | 1825.2 | 1829.0 | 1825.2 |
| 42.5° | 1875.6 | 1929.6 | 1877.4 | 1855.1 | 1870.0 | 1873.7 |
| 45°   | 1782.4 | 1842.1 | 1905.4 | 1890.5 | 1925.9 | 1925.9 |
| 47.5° | 1730.3 | 1819.7 | 1903.6 | 1903.6 | 1955.6 | 1974.4 |
| 50°   | 1670.7 | 1801.1 | 1873.7 | 1899.8 | 1940.8 | 1925.9 |
| 52.5° | 1667.0 | 1769.5 | 1830.8 | 1877.4 | 1896.0 | 1879.4 |
| 55°   | 1672.5 | 1743.3 | 1788.0 | 1840.3 | 1862.6 | 1864.4 |
| 57.5° | 1680.0 | 1728.5 | 1758.2 | 1782.4 | 1849.5 | 1849.5 |
| 60°   | 1698.7 | 1715.4 | 1732.2 | 1745.2 | 1832.8 | 1834.6 |
| 62.5° | 1728.5 | 1702.4 | 1698.7 | 1711.6 | 1823.4 | 1816.0 |
| 65°   | 1775.0 | 1683.8 | 1655.9 | 1668.8 | 1814.1 | 1791.8 |
| 67.5° | 1838.3 | 1655.9 | 1601.8 | 1611.1 | 1806.7 | 1758.2 |
| 70°   | 1896.0 | 1611.1 | 1534.8 | 1525.5 | 1735.9 | 1650.3 |
| 72.5° | 1901.6 | 1558.9 | 1441.5 | 1413.7 | 1508.7 | 1426.7 |
| 75°   | 1808.6 | 1523.6 | 1339.2 | 1257.2 | 1246.1 | 1234.8 |
| 77.5° | 1629.7 | 1503.1 | 1220.0 | 1091.5 | 1069.1 | 1076.5 |
| 80°   | 1363.3 | 1426.7 | 1076.5 | 923.8  | 1044.8 | 1031.9 |
| 82.5° | 1018.9 | 1259.1 | 914.5  | 817.7  | 815.8  | 720.8  |
| 85°   | 566.2  | 981.5  | 745.0  | 612.7  | 426.5  | 413.4  |
| 87.5° | 158.3  | 545.8  | 521.5  | 346.5  | 236.5  | 245.9  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)