

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: P193131

Luminaire Tested: **GAN-AF-03-LED-U-T2R-7030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193131  
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-03-LED-U-T2R-7030-600  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12064.4 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

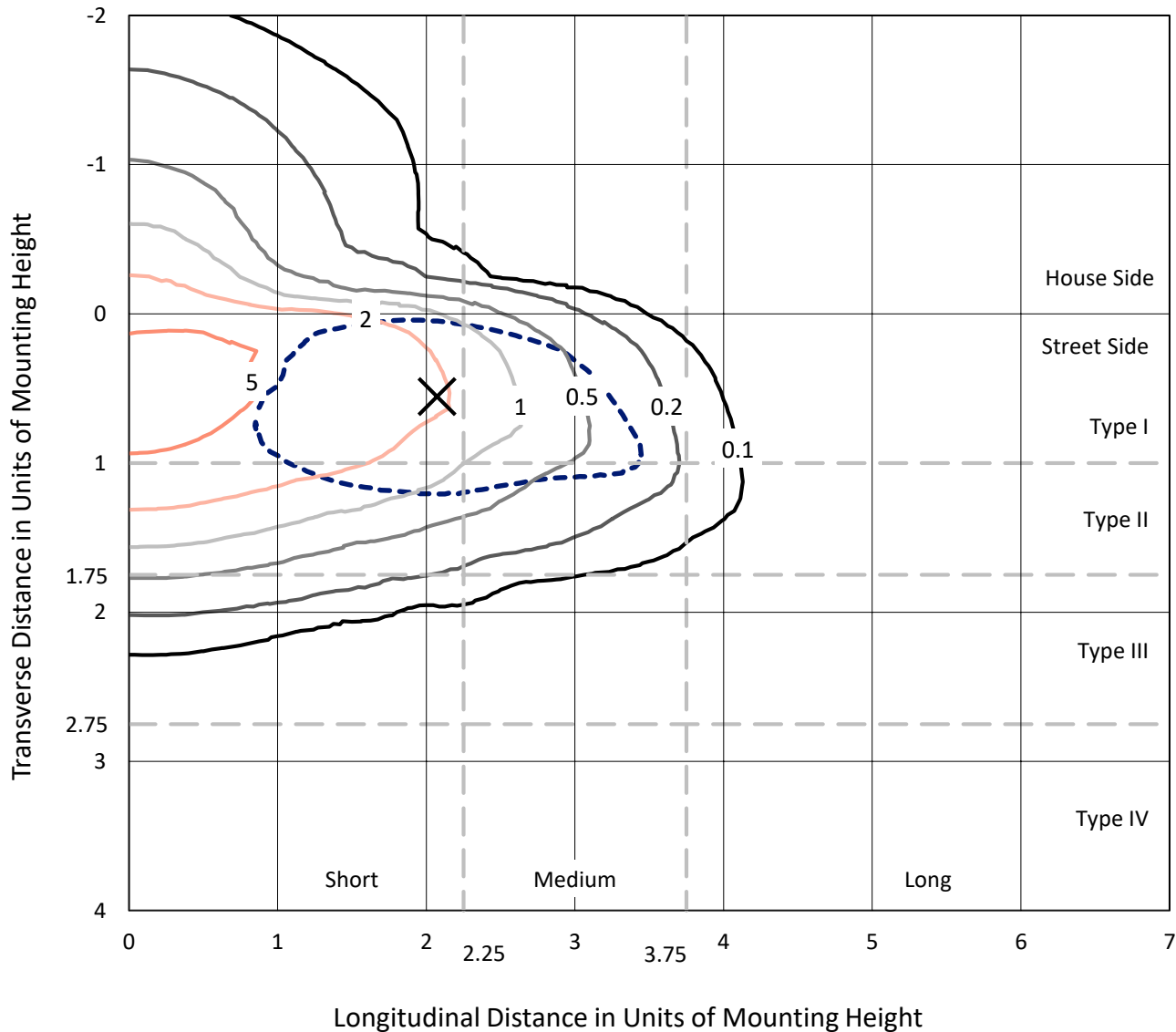
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P193131  
 CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

### Iso-Footcandle Lines of Horizontal Illumination

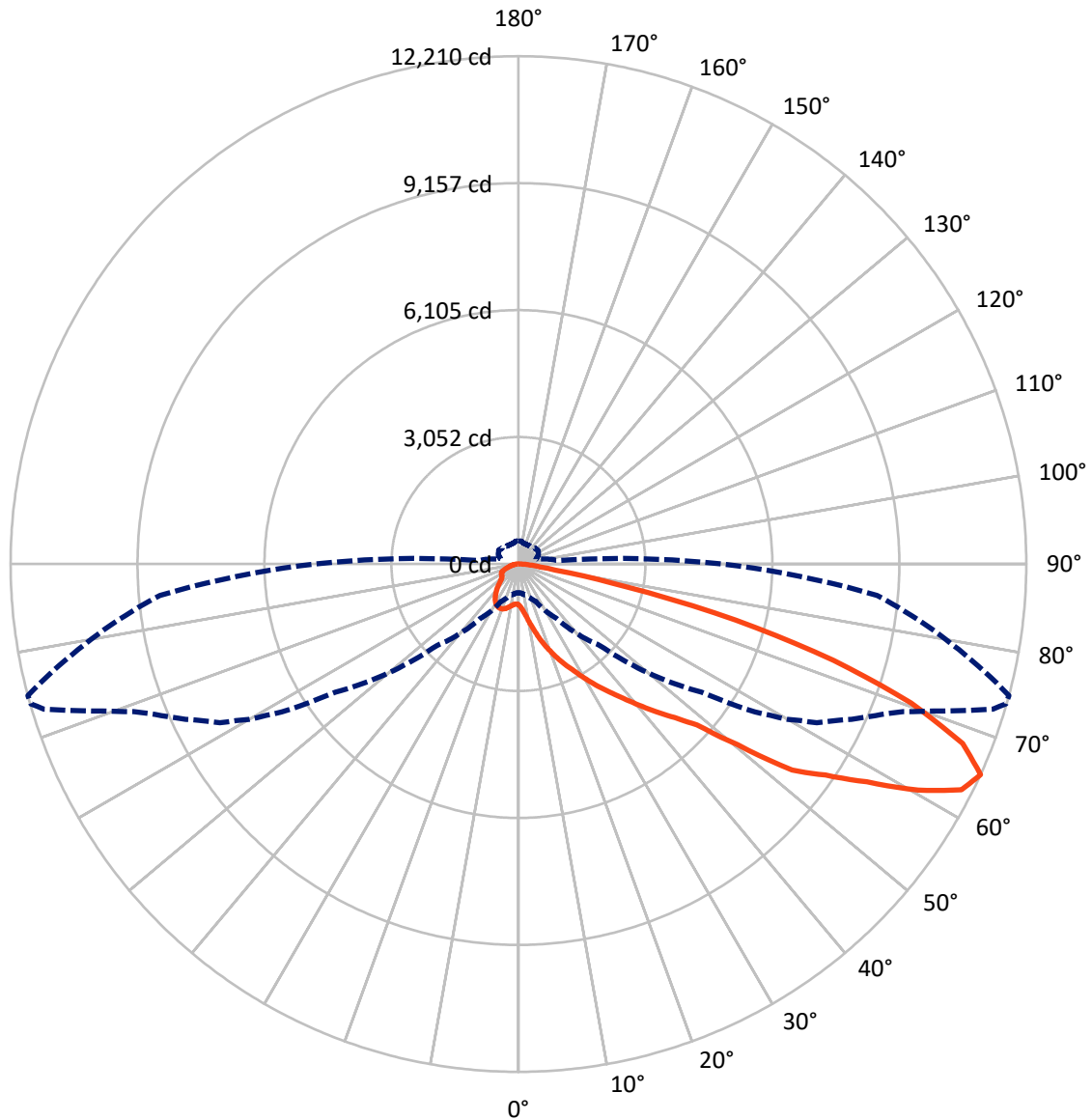
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P193131  
CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P193131

CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1860.0   | 0.0    | 1860.0  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 10204.4  | 0.0    | 10204.4 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 12064.4  | 0.0    | 12064.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 121.2   | 1.0       |
| 10°-20°   | 473.5   | 3.9       |
| 20°-30°   | 971.5   | 8.1       |
| 30°-40°   | 1634.5  | 13.5      |
| 40°-50°   | 2258.4  | 18.7      |
| 50°-60°   | 2819.2  | 23.4      |
| 60°-70°   | 2536.9  | 21.0      |
| 70°-80°   | 1063.5  | 8.8       |
| 80°-90°   | 185.8   | 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°    | 12064.4 | 100.0     |
| 0°-180°   | 12064.4 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P193131

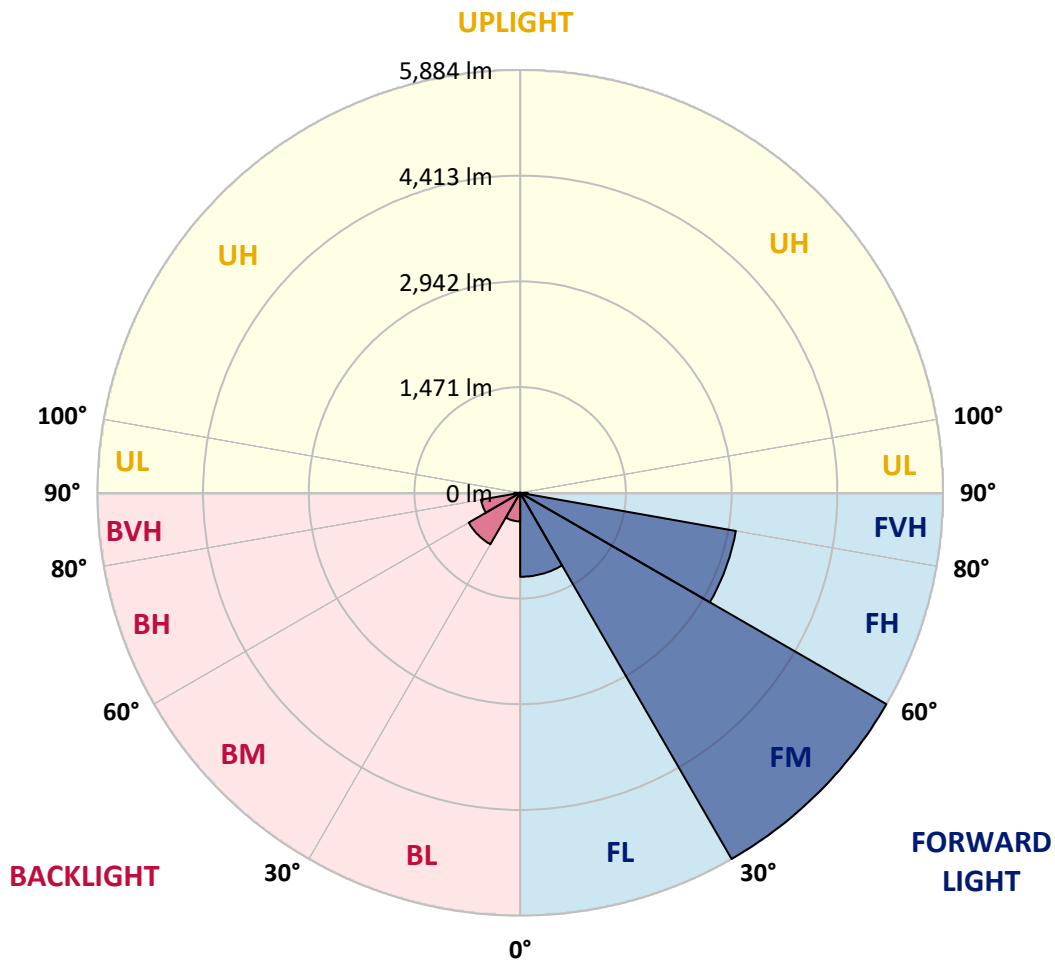
CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1168.4 | 9.7       |                         |      |         |
| FM (30°-60°)   | 5884.1 | 48.8      |                         |      |         |
| FH (60°-80°)   | 3047.4 | 25.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 104.4  | 0.9       |                         |      | G2/225  |
| BL (0°-30°)    | 397.8  | 3.3       | B1/500                  |      |         |
| BM (30°-60°)   | 827.9  | 6.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 553.0  | 4.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 81.4   | 0.7       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P193131

CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  |
| 2.5°  | 1244.9 | 1231.2 | 1234.5 | 1211.6 | 1183.8 | 1147.2 | 1106.7 | 1106.1 | 1106.7 | 1102.7 | 1087.7 |
| 5°    | 1726.2 | 1709.7 | 1703.4 | 1652.0 | 1576.6 | 1469.3 | 1352.7 | 1340.2 | 1335.0 | 1321.9 | 1291.7 |
| 7.5°  | 2077.4 | 2068.3 | 2058.6 | 2019.7 | 1951.3 | 1831.3 | 1674.8 | 1647.9 | 1622.3 | 1616.1 | 1581.7 |
| 10°   | 2304.2 | 2301.9 | 2281.3 | 2271.0 | 2228.2 | 2124.2 | 1971.8 | 1946.1 | 1918.0 | 1908.4 | 1872.3 |
| 12.5° | 2483.5 | 2482.8 | 2473.2 | 2476.1 | 2438.8 | 2363.5 | 2232.1 | 2208.7 | 2188.3 | 2158.5 | 2132.8 |
| 15°   | 2607.4 | 2607.9 | 2622.2 | 2638.2 | 2632.5 | 2581.7 | 2458.4 | 2448.1 | 2430.4 | 2409.7 | 2379.4 |
| 17.5° | 2709.0 | 2711.9 | 2726.7 | 2755.8 | 2787.2 | 2783.2 | 2685.6 | 2677.0 | 2661.5 | 2633.5 | 2617.7 |
| 20°   | 2938.5 | 2949.4 | 2920.8 | 2920.8 | 2924.3 | 2939.7 | 2892.8 | 2886.0 | 2864.3 | 2849.5 | 2836.9 |
| 22.5° | 3326.3 | 3338.9 | 3274.3 | 3208.6 | 3144.2 | 3097.3 | 3050.4 | 3059.0 | 3044.2 | 3033.9 | 3026.5 |
| 25°   | 3829.9 | 3839.6 | 3735.1 | 3624.3 | 3493.0 | 3321.7 | 3205.7 | 3200.6 | 3192.7 | 3186.3 | 3182.9 |
| 27.5° | 4303.8 | 4307.9 | 4209.1 | 4047.0 | 3894.4 | 3648.3 | 3363.4 | 3357.1 | 3347.3 | 3335.3 | 3325.1 |
| 30°   | 4709.3 | 4708.2 | 4606.5 | 4451.8 | 4288.4 | 4016.1 | 3602.6 | 3583.2 | 3554.6 | 3522.1 | 3497.1 |
| 32.5° | 5060.5 | 5058.8 | 4947.5 | 4786.9 | 4615.6 | 4380.4 | 3930.4 | 3890.4 | 3845.9 | 3782.5 | 3744.4 |
| 35°   | 5336.9 | 5335.7 | 5230.7 | 5063.4 | 4867.0 | 4723.6 | 4306.1 | 4257.1 | 4200.5 | 4115.5 | 4056.6 |
| 37.5° | 5441.3 | 5441.3 | 5382.5 | 5268.4 | 5094.8 | 4996.5 | 4723.6 | 4664.2 | 4603.6 | 4507.2 | 4441.0 |
| 40°   | 5380.3 | 5381.4 | 5394.0 | 5372.9 | 5288.3 | 5213.0 | 5113.0 | 5077.6 | 5025.7 | 4938.8 | 4869.8 |
| 42.5° | 5175.3 | 5181.5 | 5264.8 | 5367.2 | 5409.4 | 5397.4 | 5458.5 | 5442.5 | 5405.9 | 5339.2 | 5284.4 |
| 45°   | 4915.5 | 4934.9 | 5026.3 | 5219.2 | 5443.1 | 5556.7 | 5748.0 | 5749.8 | 5742.8 | 5706.9 | 5664.6 |
| 47.5° | 4558.6 | 4585.9 | 4706.5 | 4967.4 | 5364.3 | 5711.5 | 6042.1 | 6057.6 | 6071.7 | 6048.4 | 6028.9 |
| 50°   | 4084.5 | 4117.1 | 4297.6 | 4643.6 | 5203.8 | 5871.9 | 6597.7 | 6667.4 | 6732.4 | 6724.5 | 6737.6 |
| 52.5° | 3576.9 | 3615.2 | 3836.2 | 4221.7 | 4928.0 | 5909.1 | 6952.9 | 7066.6 | 7180.2 | 7273.3 | 7372.0 |
| 55°   | 3119.1 | 3098.4 | 3319.4 | 3725.4 | 4474.6 | 5741.8 | 7272.1 | 7409.2 | 7535.9 | 7650.2 | 7767.8 |
| 57.5° | 2498.3 | 2532.0 | 2753.6 | 3155.0 | 3874.5 | 5269.5 | 7491.9 | 7692.4 | 7874.6 | 8063.6 | 8230.3 |
| 60°   | 1826.2 | 1859.8 | 2100.3 | 2507.9 | 3222.9 | 4553.4 | 7324.0 | 7627.8 | 7919.6 | 8209.2 | 8435.3 |
| 62.5° | 1102.7 | 1127.8 | 1339.6 | 1727.9 | 2485.1 | 3704.3 | 6576.0 | 6974.6 | 7404.1 | 7750.1 | 8096.6 |
| 65°   | 686.3  | 700.7  | 778.9  | 992.4  | 1596.1 | 2765.5 | 5372.9 | 5807.4 | 6270.0 | 6709.1 | 7069.4 |
| 67.5° | 561.9  | 567.0  | 581.3  | 627.0  | 876.6  | 1803.4 | 3999.0 | 4383.8 | 4801.3 | 5226.1 | 5627.0 |
| 70°   | 505.4  | 501.9  | 501.9  | 504.8  | 561.9  | 969.5  | 2618.2 | 2868.8 | 3216.6 | 3586.1 | 3952.7 |
| 72.5° | 456.2  | 452.9  | 446.6  | 438.0  | 458.6  | 591.6  | 1353.4 | 1542.4 | 1793.1 | 2121.4 | 2472.5 |
| 75°   | 410.0  | 405.5  | 398.0  | 387.3  | 401.4  | 446.6  | 649.9  | 729.2  | 851.4  | 1026.2 | 1222.1 |
| 77.5° | 362.0  | 356.3  | 349.5  | 341.4  | 359.8  | 347.2  | 380.9  | 409.4  | 456.2  | 512.2  | 585.8  |
| 80°   | 307.8  | 302.6  | 300.4  | 296.4  | 318.1  | 264.4  | 269.0  | 286.7  | 314.1  | 344.3  | 378.6  |
| 82.5° | 241.0  | 241.0  | 250.1  | 251.9  | 275.8  | 190.1  | 201.0  | 216.5  | 230.6  | 246.7  | 262.7  |
| 85°   | 158.8  | 159.8  | 190.7  | 202.6  | 217.5  | 128.0  | 150.8  | 155.9  | 167.2  | 176.5  | 183.3  |
| 87.5° | 49.7   | 53.6   | 116.5  | 129.0  | 125.1  | 72.5   | 92.6   | 94.8   | 102.8  | 109.0  | 114.8  |
| 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: P193131

CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

**CANDELA DISTRIBUTION (continued):**

|       | 60°    | 61°    | 62°    | 63°    | 64°    | 65°    | 66°    | 67°    | 68°    | 69°     | 70°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5   | 980.5   |
| 2.5°  | 1087.7 | 1081.0 | 1074.7 | 1074.1 | 1069.5 | 1063.3 | 1065.5 | 1055.9 | 1056.4 | 1051.3  | 1045.6  |
| 5°    | 1279.1 | 1274.5 | 1251.7 | 1245.4 | 1228.3 | 1217.4 | 1215.7 | 1192.9 | 1190.1 | 1176.9  | 1162.6  |
| 7.5°  | 1554.3 | 1539.5 | 1507.6 | 1492.2 | 1463.0 | 1441.2 | 1431.0 | 1400.7 | 1385.9 | 1351.6  | 1336.2  |
| 10°   | 1842.7 | 1823.9 | 1784.5 | 1762.8 | 1734.8 | 1700.0 | 1681.2 | 1637.1 | 1620.0 | 1588.6  | 1550.9  |
| 12.5° | 2110.1 | 2091.1 | 2050.6 | 2034.0 | 1996.9 | 1959.8 | 1939.3 | 1889.5 | 1867.2 | 1817.0  | 1787.4  |
| 15°   | 2357.3 | 2338.3 | 2302.9 | 2285.8 | 2248.8 | 2218.5 | 2191.0 | 2141.9 | 2115.7 | 2068.9  | 2030.0  |
| 17.5° | 2597.1 | 2577.1 | 2546.3 | 2530.8 | 2494.8 | 2464.1 | 2434.3 | 2388.1 | 2361.2 | 2314.4  | 2279.5  |
| 20°   | 2819.8 | 2804.9 | 2782.7 | 2762.1 | 2726.1 | 2698.1 | 2662.7 | 2622.8 | 2583.9 | 2549.7  | 2516.6  |
| 22.5° | 3013.9 | 3008.2 | 2984.2 | 2975.1 | 2944.2 | 2920.3 | 2889.5 | 2850.0 | 2822.0 | 2778.7  | 2747.8  |
| 25°   | 3181.2 | 3179.6 | 3168.1 | 3165.2 | 3143.5 | 3120.7 | 3113.9 | 3081.3 | 3055.6 | 3017.3  | 2985.4  |
| 27.5° | 3325.1 | 3326.8 | 3324.0 | 3332.0 | 3326.3 | 3316.0 | 3316.6 | 3305.7 | 3290.9 | 3258.8  | 3230.9  |
| 30°   | 3485.1 | 3475.9 | 3481.0 | 3492.5 | 3495.9 | 3497.1 | 3515.9 | 3522.1 | 3521.0 | 3499.9  | 3486.1  |
| 32.5° | 3711.1 | 3689.4 | 3669.5 | 3667.8 | 3679.2 | 3683.7 | 3715.7 | 3732.3 | 3746.5 | 3751.6  | 3753.9  |
| 35°   | 3999.6 | 3956.2 | 3914.4 | 3892.2 | 3872.7 | 3877.9 | 3900.8 | 3927.6 | 3959.0 | 3980.7  | 4006.3  |
| 37.5° | 4362.7 | 4309.6 | 4235.9 | 4183.4 | 4170.2 | 4141.7 | 4156.5 | 4177.6 | 4208.5 | 4242.2  | 4286.8  |
| 40°   | 4802.9 | 4722.4 | 4639.7 | 4570.0 | 4532.3 | 4479.7 | 4479.2 | 4475.2 | 4494.1 | 4525.4  | 4588.3  |
| 42.5° | 5226.6 | 5155.3 | 5067.3 | 4994.2 | 4945.2 | 4874.9 | 4860.6 | 4823.5 | 4832.1 | 4859.6  | 4920.6  |
| 45°   | 5623.6 | 5564.7 | 5511.0 | 5426.6 | 5384.9 | 5308.9 | 5284.9 | 5240.9 | 5216.4 | 5228.9  | 5290.0  |
| 47.5° | 6007.8 | 5970.2 | 5914.2 | 5859.3 | 5827.4 | 5759.5 | 5728.6 | 5697.3 | 5665.7 | 5664.6  | 5728.6  |
| 50°   | 6757.0 | 6737.0 | 6670.9 | 6613.7 | 6629.1 | 6545.7 | 6550.8 | 6466.4 | 6504.6 | 6509.2  | 6643.4  |
| 52.5° | 7461.1 | 7530.8 | 7579.9 | 7639.9 | 7678.6 | 7686.1 | 7711.8 | 7750.1 | 7796.3 | 7887.7  | 8012.2  |
| 55°   | 7864.3 | 7951.7 | 8002.4 | 8048.1 | 8123.5 | 8139.5 | 8182.3 | 8233.1 | 8273.6 | 8376.5  | 8482.2  |
| 57.5° | 8343.4 | 8505.5 | 8584.4 | 8656.8 | 8758.6 | 8797.3 | 8868.7 | 8924.1 | 8976.6 | 9098.2  | 9226.2  |
| 60°   | 8638.6 | 8836.2 | 8996.6 | 9111.4 | 9238.8 | 9330.0 | 9438.1 | 9524.7 | 9648.1 | 9793.8  | 9984.5  |
| 62.5° | 8403.9 | 8694.0 | 8907.0 | 9104.0 | 9276.9 | 9451.7 | 9606.5 | 9768.7 | 9955.9 | 10176.4 | 10472.2 |
| 65°   | 7469.1 | 7764.3 | 8129.2 | 8333.6 | 8562.6 | 8832.2 | 9067.4 | 9330.0 | 9585.4 | 9906.3  | 10343.7 |
| 67.5° | 6013.0 | 6356.1 | 6766.2 | 6972.3 | 7235.5 | 7536.4 | 7800.3 | 8121.2 | 8419.3 | 8808.2  | 9349.0  |
| 70°   | 4334.1 | 4777.8 | 5122.7 | 5338.0 | 5645.2 | 5955.2 | 6210.0 | 6583.4 | 6830.2 | 7228.7  | 7787.8  |
| 72.5° | 2744.4 | 3094.4 | 3516.9 | 3788.2 | 4061.1 | 4375.3 | 4635.7 | 4957.7 | 5187.8 | 5551.0  | 6057.6  |
| 75°   | 1475.5 | 1733.6 | 2104.9 | 2362.4 | 2654.8 | 2923.1 | 3228.1 | 3443.9 | 3614.1 | 3901.3  | 4312.5  |
| 77.5° | 691.5  | 848.5  | 1036.5 | 1234.5 | 1432.7 | 1639.4 | 1840.5 | 2015.2 | 2088.3 | 2252.7  | 2495.4  |
| 80°   | 419.7  | 470.6  | 525.3  | 586.5  | 669.2  | 736.1  | 824.6  | 888.5  | 893.0  | 945.1   | 1019.3  |
| 82.5° | 280.4  | 299.3  | 315.8  | 331.2  | 352.4  | 368.9  | 387.8  | 410.0  | 419.1  | 431.1   | 455.1   |
| 85°   | 191.3  | 200.4  | 203.9  | 213.6  | 211.3  | 217.0  | 224.4  | 231.8  | 235.9  | 235.2   | 246.2   |
| 87.5° | 117.7  | 122.2  | 124.4  | 126.7  | 125.1  | 122.8  | 126.2  | 130.2  | 131.3  | 128.0   | 129.0   |
| 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: P193131  
 CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

**CANDELA DISTRIBUTION (continued):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°    | 90°    | 95°    | 105°   | 115°   | 125°  |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|-------|
| 0°    | 980.5   | 980.5   | 980.5   | 980.5   | 980.5   | 980.5  | 980.5  | 980.5  | 980.5  | 980.5  | 980.5 |
| 2.5°  | 1046.7  | 1041.6  | 1036.5  | 1033.0  | 1031.9  | 1001.6 | 988.5  | 979.9  | 961.6  | 946.7  | 934.8 |
| 5°    | 1154.7  | 1143.7  | 1135.2  | 1125.0  | 1119.3  | 1042.7 | 1014.7 | 995.4  | 963.3  | 944.4  | 927.4 |
| 7.5°  | 1328.3  | 1298.0  | 1280.3  | 1260.3  | 1243.2  | 1104.9 | 1058.7 | 1028.4 | 983.9  | 958.7  | 939.3 |
| 10°   | 1525.3  | 1493.8  | 1465.8  | 1435.0  | 1408.2  | 1187.7 | 1120.4 | 1073.6 | 1014.7 | 982.1  | 956.4 |
| 12.5° | 1745.1  | 1714.3  | 1678.9  | 1639.4  | 1605.1  | 1292.9 | 1199.1 | 1132.4 | 1051.8 | 1008.5 | 972.5 |
| 15°   | 2004.9  | 1950.6  | 1907.7  | 1862.1  | 1822.1  | 1418.4 | 1291.1 | 1198.6 | 1091.3 | 1032.4 | 984.4 |
| 17.5° | 2246.5  | 2189.3  | 2131.1  | 2091.1  | 2044.9  | 1559.4 | 1383.7 | 1266.0 | 1123.8 | 1047.8 | 986.7 |
| 20°   | 2482.3  | 2420.1  | 2369.9  | 2316.1  | 2267.5  | 1705.6 | 1482.4 | 1325.4 | 1144.9 | 1048.5 | 972.5 |
| 22.5° | 2690.2  | 2651.2  | 2595.4  | 2537.1  | 2488.0  | 1851.8 | 1574.9 | 1375.6 | 1152.9 | 1035.2 | 947.4 |
| 25°   | 2926.5  | 2885.4  | 2816.9  | 2767.7  | 2713.0  | 2000.9 | 1665.6 | 1414.5 | 1148.4 | 1010.7 | 908.5 |
| 27.5° | 3178.9  | 3133.2  | 3063.0  | 3011.6  | 2945.4  | 2155.6 | 1749.0 | 1442.4 | 1131.3 | 970.8  | 856.6 |
| 30°   | 3442.2  | 3400.4  | 3331.5  | 3279.4  | 3212.7  | 2319.6 | 1842.1 | 1461.3 | 1097.0 | 915.4  | 796.1 |
| 32.5° | 3724.8  | 3690.0  | 3621.5  | 3567.2  | 3495.9  | 2497.1 | 1929.0 | 1467.1 | 1044.9 | 849.7  | 732.0 |
| 35°   | 3993.2  | 3969.3  | 3911.6  | 3860.7  | 3786.5  | 2665.1 | 2020.9 | 1464.2 | 983.4  | 777.7  | 673.8 |
| 37.5° | 4295.3  | 4281.0  | 4252.5  | 4187.9  | 4097.1  | 2892.8 | 2131.1 | 1452.2 | 908.0  | 706.4  | 629.3 |
| 40°   | 4617.4  | 4618.5  | 4587.7  | 4543.8  | 4459.2  | 3169.3 | 2262.4 | 1428.7 | 825.7  | 643.5  | 588.7 |
| 42.5° | 4958.3  | 4976.0  | 4961.1  | 4929.8  | 4848.6  | 3447.9 | 2419.4 | 1400.1 | 745.8  | 582.5  | 548.8 |
| 45°   | 5348.9  | 5370.5  | 5393.4  | 5347.1  | 5268.4  | 3815.7 | 2626.1 | 1363.0 | 659.5  | 531.6  | 521.3 |
| 47.5° | 5799.4  | 5833.7  | 5854.2  | 5854.7  | 5776.0  | 4271.4 | 2961.9 | 1340.8 | 583.0  | 497.3  | 508.3 |
| 50°   | 6750.1  | 6761.1  | 6809.6  | 6894.0  | 6833.5  | 5326.1 | 3548.4 | 1327.1 | 531.1  | 476.3  | 498.6 |
| 52.5° | 8120.0  | 8239.5  | 8323.4  | 8317.7  | 8235.4  | 5995.8 | 3871.6 | 1256.3 | 500.2  | 468.2  | 494.0 |
| 55°   | 8678.0  | 8827.0  | 8982.3  | 9023.5  | 8959.5  | 6567.5 | 4177.1 | 1185.5 | 485.3  | 473.9  | 495.7 |
| 57.5° | 9421.4  | 9672.7  | 9885.8  | 9975.4  | 9882.8  | 7298.9 | 4579.2 | 1148.4 | 480.8  | 489.4  | 506.5 |
| 60°   | 10290.0 | 10600.7 | 10880.5 | 11041.5 | 11041.5 | 8139.5 | 4996.0 | 1132.9 | 474.5  | 512.2  | 524.8 |
| 62.5° | 10848.0 | 11304.2 | 11726.7 | 11962.6 | 11955.7 | 8724.8 | 5181.0 | 1080.3 | 460.2  | 528.2  | 549.9 |
| 65°   | 10850.2 | 11392.7 | 11931.2 | 12196.2 | 12209.8 | 8652.9 | 4875.4 | 954.2  | 434.0  | 530.5  | 575.0 |
| 67.5° | 9945.7  | 10524.2 | 11151.6 | 11448.0 | 11516.6 | 7965.3 | 4220.4 | 784.6  | 391.1  | 507.6  | 584.2 |
| 70°   | 8399.9  | 8964.6  | 9605.3  | 9896.6  | 10018.2 | 6790.1 | 3399.4 | 604.8  | 336.3  | 457.4  | 565.3 |
| 72.5° | 6617.8  | 7171.6  | 7617.5  | 7830.6  | 7925.3  | 5190.2 | 2475.4 | 456.8  | 275.8  | 385.4  | 514.5 |
| 75°   | 4685.4  | 5101.0  | 5338.0  | 5385.4  | 5400.2  | 3128.6 | 1504.1 | 339.8  | 227.3  | 299.8  | 434.6 |
| 77.5° | 2644.4  | 2822.6  | 2803.1  | 2824.4  | 2648.5  | 1207.8 | 655.0  | 243.2  | 187.3  | 227.8  | 336.9 |
| 80°   | 1032.4  | 1064.4  | 999.8   | 979.9   | 898.7   | 449.4  | 289.0  | 169.6  | 149.5  | 172.4  | 235.9 |
| 82.5° | 455.1   | 470.0   | 456.2   | 459.7   | 439.7   | 231.8  | 173.0  | 122.8  | 114.1  | 126.2  | 156.5 |
| 85°   | 250.6   | 255.2   | 254.1   | 261.5   | 250.6   | 92.6   | 82.3   | 75.4   | 80.0   | 85.7   | 100.5 |
| 87.5° | 122.2   | 123.4   | 119.3   | 125.6   | 121.6   | 46.9   | 40.5   | 42.8   | 46.9   | 48.0   | 48.0  |
| 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: P193131

CATALOG NUMBER: GAN-AF-03-LED-U-T2R-7030-600

**CANDELA DISTRIBUTION (continued):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 980.5 | 980.5 | 980.5 | 980.5 | 980.5 | 980.5 |
| 2.5°  | 926.2 | 921.6 | 922.2 | 921.0 | 918.8 | 918.8 |
| 5°    | 918.3 | 913.6 | 913.6 | 912.6 | 909.7 | 910.2 |
| 7.5°  | 926.2 | 918.8 | 915.9 | 912.0 | 908.0 | 908.0 |
| 10°   | 935.4 | 922.2 | 914.2 | 907.4 | 902.3 | 902.3 |
| 12.5° | 942.3 | 921.6 | 908.5 | 899.4 | 894.3 | 894.3 |
| 15°   | 944.4 | 917.7 | 899.4 | 888.5 | 883.9 | 883.4 |
| 17.5° | 937.1 | 902.3 | 880.0 | 867.4 | 861.7 | 860.0 |
| 20°   | 914.2 | 874.3 | 847.5 | 833.1 | 825.1 | 822.2 |
| 22.5° | 880.0 | 834.3 | 802.8 | 788.0 | 777.7 | 776.1 |
| 25°   | 832.0 | 782.9 | 752.0 | 737.8 | 732.0 | 730.4 |
| 27.5° | 776.1 | 730.4 | 704.0 | 695.0 | 689.8 | 689.2 |
| 30°   | 723.0 | 684.1 | 664.8 | 657.8 | 651.5 | 650.4 |
| 32.5° | 673.2 | 648.7 | 641.3 | 631.5 | 616.8 | 615.0 |
| 35°   | 637.8 | 635.6 | 630.4 | 608.7 | 590.4 | 585.3 |
| 37.5° | 616.1 | 637.3 | 611.0 | 568.1 | 555.0 | 554.0 |
| 40°   | 603.5 | 619.6 | 574.4 | 559.6 | 560.7 | 559.6 |
| 42.5° | 575.0 | 591.6 | 575.6 | 568.7 | 573.3 | 574.4 |
| 45°   | 546.6 | 564.8 | 584.2 | 579.6 | 590.4 | 590.4 |
| 47.5° | 530.5 | 557.9 | 583.6 | 583.6 | 599.7 | 605.3 |
| 50°   | 512.2 | 552.2 | 574.4 | 582.5 | 595.0 | 590.4 |
| 52.5° | 511.2 | 542.5 | 561.4 | 575.6 | 581.3 | 576.2 |
| 55°   | 512.8 | 534.5 | 548.2 | 564.3 | 571.0 | 571.7 |
| 57.5° | 515.0 | 529.9 | 539.0 | 546.6 | 567.0 | 567.0 |
| 60°   | 520.7 | 526.0 | 531.1 | 535.1 | 561.9 | 562.4 |
| 62.5° | 529.9 | 521.9 | 520.7 | 524.8 | 559.1 | 556.7 |
| 65°   | 544.2 | 516.2 | 507.6 | 511.7 | 556.2 | 549.3 |
| 67.5° | 563.6 | 507.6 | 491.1 | 494.0 | 554.0 | 539.0 |
| 70°   | 581.3 | 494.0 | 470.6 | 467.6 | 532.2 | 506.0 |
| 72.5° | 583.0 | 478.0 | 442.0 | 433.4 | 462.5 | 437.4 |
| 75°   | 554.5 | 467.1 | 410.6 | 385.4 | 382.0 | 378.6 |
| 77.5° | 499.7 | 460.8 | 374.0 | 334.7 | 327.8 | 330.1 |
| 80°   | 418.0 | 437.4 | 330.1 | 283.2 | 320.3 | 316.3 |
| 82.5° | 312.4 | 386.0 | 280.4 | 250.6 | 250.1 | 221.0 |
| 85°   | 173.6 | 300.9 | 228.5 | 187.8 | 130.8 | 126.7 |
| 87.5° | 48.5  | 167.2 | 159.8 | 106.2 | 72.5  | 75.4  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)