

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: P194874

Luminaire Tested: **GAN-AF-06-LED-U-T4FT-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P194874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24295)
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-T4FT-7060
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35815 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

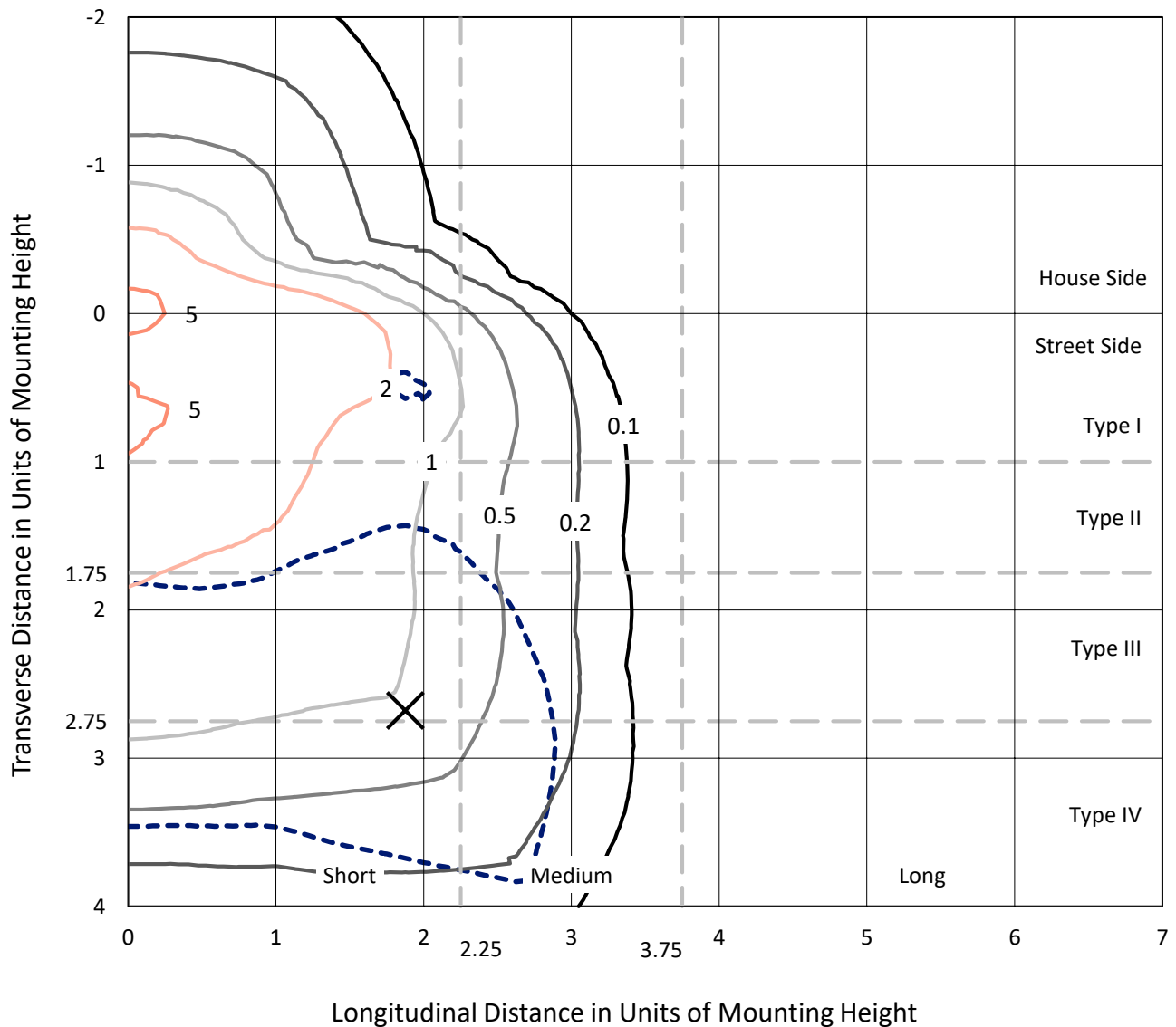
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P194874
 CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

Iso-Footcandle Lines of Horizontal Illumination

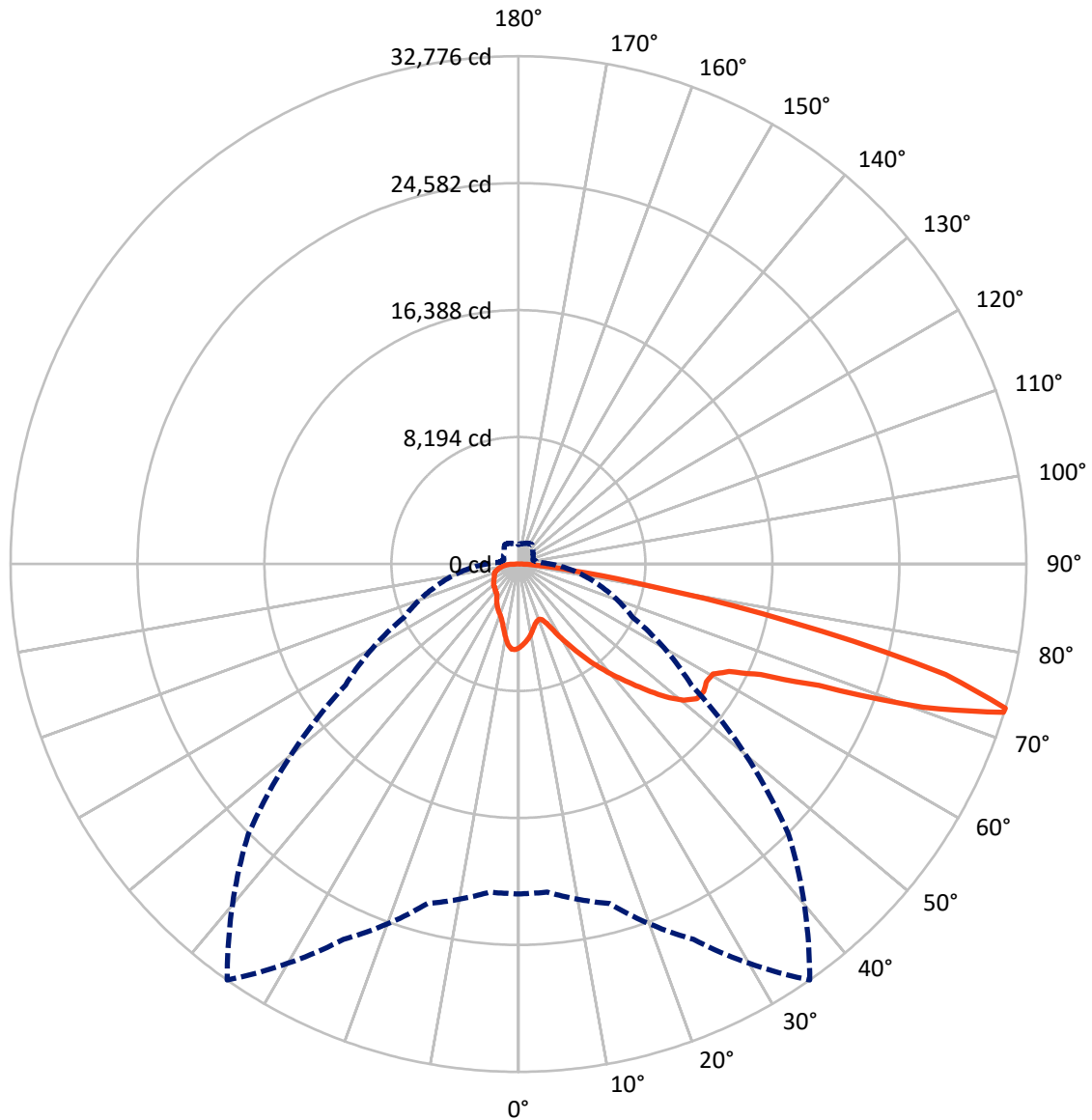
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P194874
CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P194874

CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6830.9 | 0.0 | 6830.9 |
| | % Fixture | 19.1 | 0.0 | 19.1 |
| Street Side | Lumens | 28984.1 | 0.0 | 28984.1 |
| | % Fixture | 80.9 | 0.0 | 80.9 |
| Total | Lumens | 35815.0 | 0.0 | 35815.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 489.4 | 1.4 |
| 10°-20° | 1221.4 | 3.4 |
| 20°-30° | 1974.5 | 5.5 |
| 30°-40° | 3311.0 | 9.2 |
| 40°-50° | 5103.8 | 14.3 |
| 50°-60° | 6847.2 | 19.1 |
| 60°-70° | 9121.9 | 25.5 |
| 70°-80° | 6957.2 | 19.4 |
| 80°-90° | 788.6 | 2.2 |
| 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° | 35815.0 | 100.0 |
| 0°-180° | 35815.0 | 100.0 |



REPORT NUMBER: P194874

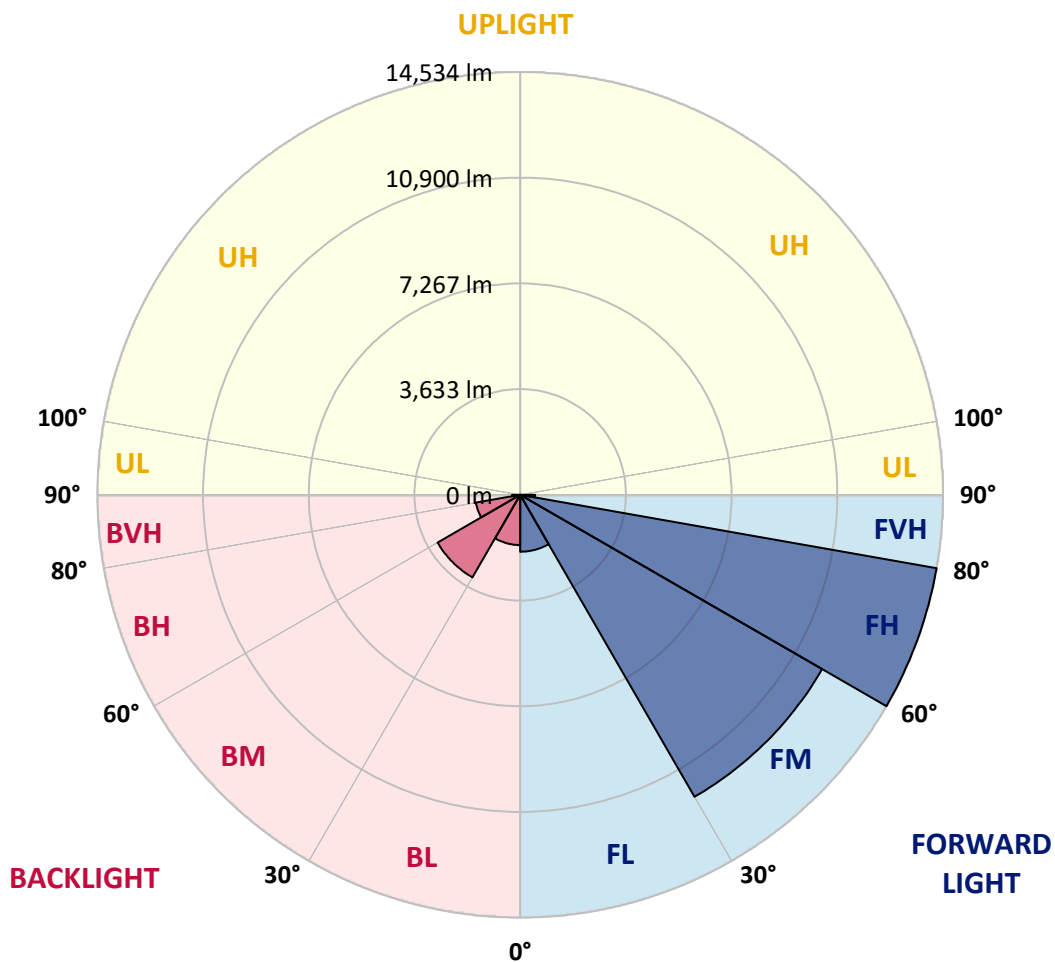
CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1956.7 | 5.5 | | | |
| FM | (30°-60°) | 11983.9 | 33.5 | | | |
| FH | (60°-80°) | 14533.7 | 40.6 | | | G5 |
| FVH | (80°-90°) | 509.7 | 1.4 | | | G4/750 |
| BL | (0°-30°) | 1728.5 | 4.8 | B3/2500 | | |
| BM | (30°-60°) | 3278.1 | 9.2 | B3/5000 | | |
| BH | (60°-80°) | 1545.4 | 4.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 278.8 | 0.8 | | | 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 IV Short





REPORT NUMBER: P194874

CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 |
| 2.5° | 5192.3 | 5202.6 | 5190.6 | 5206.1 | 5231.9 | 5259.4 | 5278.3 | 5305.8 | 5336.8 | 5379.8 | 5390.1 |
| 5° | 4948.1 | 4963.6 | 4963.6 | 4991.1 | 5041.0 | 5085.7 | 5127.0 | 5171.7 | 5237.0 | 5311.0 | 5340.2 |
| 7.5° | 4679.8 | 4688.4 | 4703.9 | 4745.2 | 4817.4 | 4881.0 | 4939.5 | 5011.7 | 5101.2 | 5199.2 | 5250.8 |
| 10° | 4356.5 | 4368.5 | 4392.6 | 4451.1 | 4549.1 | 4636.8 | 4721.1 | 4820.8 | 4934.3 | 5056.5 | 5121.8 |
| 12.5° | 4127.7 | 4124.3 | 4134.6 | 4177.6 | 4263.6 | 4370.2 | 4492.3 | 4619.6 | 4758.9 | 4901.7 | 4980.8 |
| 15° | 4050.3 | 4031.4 | 3991.9 | 3981.5 | 4028.0 | 4134.6 | 4275.6 | 4432.1 | 4599.0 | 4771.0 | 4869.0 |
| 17.5° | 4098.5 | 4065.8 | 3957.5 | 3878.3 | 3871.5 | 3952.3 | 4101.9 | 4277.4 | 4470.0 | 4679.8 | 4801.9 |
| 20° | 4401.2 | 4323.8 | 4057.2 | 3873.2 | 3809.5 | 3849.1 | 3979.8 | 4165.6 | 4392.6 | 4671.2 | 4827.7 |
| 22.5° | 5125.3 | 5011.7 | 4445.9 | 4103.6 | 3888.7 | 3840.5 | 3938.5 | 4136.3 | 4401.2 | 4777.8 | 4977.3 |
| 25° | 6179.5 | 6017.9 | 5113.2 | 4678.1 | 4234.4 | 3978.1 | 4000.5 | 4203.4 | 4523.3 | 5025.5 | 5266.3 |
| 27.5° | 7012.0 | 6907.1 | 5985.2 | 5488.2 | 4863.8 | 4349.6 | 4201.7 | 4371.9 | 4772.7 | 5431.4 | 5677.3 |
| 30° | 7507.3 | 7443.7 | 6917.4 | 6406.6 | 5667.0 | 4941.2 | 4586.9 | 4688.4 | 5163.1 | 5993.8 | 6196.7 |
| 32.5° | 8081.7 | 8043.9 | 7785.9 | 7316.4 | 6533.8 | 5718.6 | 5197.5 | 5161.4 | 5685.9 | 6669.7 | 6762.6 |
| 35° | 8676.8 | 8664.8 | 8513.4 | 8176.3 | 7464.3 | 6743.7 | 6007.6 | 5763.3 | 6255.2 | 7371.4 | 7312.9 |
| 37.5° | 9230.6 | 9210.0 | 9122.3 | 8926.2 | 8437.8 | 7844.4 | 6833.1 | 6380.8 | 6869.2 | 8042.2 | 7782.5 |
| 40° | 10250.5 | 10088.8 | 9787.9 | 9640.0 | 9421.5 | 8771.4 | 7488.4 | 6956.9 | 7505.6 | 8682.0 | 8188.4 |
| 42.5° | 11494.0 | 11230.8 | 10670.2 | 10467.2 | 10436.3 | 9502.4 | 7935.5 | 7515.9 | 8147.1 | 9316.6 | 8587.4 |
| 45° | 12472.6 | 12224.9 | 11741.6 | 11485.4 | 11598.9 | 10164.5 | 8384.4 | 8112.7 | 8807.5 | 9982.2 | 8998.4 |
| 47.5° | 13516.6 | 13127.9 | 12488.1 | 12565.5 | 12813.1 | 10790.6 | 8841.9 | 8754.2 | 9531.6 | 10726.9 | 9509.2 |
| 50° | 13554.4 | 13256.9 | 12976.5 | 13439.2 | 13824.4 | 11366.7 | 9414.6 | 9426.7 | 10417.3 | 11664.3 | 10188.6 |
| 52.5° | 12768.4 | 12704.8 | 13150.2 | 13877.7 | 14433.3 | 11822.5 | 10066.5 | 10121.5 | 11550.7 | 12740.9 | 10935.0 |
| 55° | 12493.2 | 12421.0 | 12935.2 | 13724.7 | 14515.8 | 12199.1 | 10773.4 | 10873.1 | 12921.5 | 13876.0 | 11662.5 |
| 57.5° | 13164.0 | 13004.0 | 13038.4 | 13652.4 | 14314.6 | 12611.9 | 11543.9 | 11745.1 | 14410.9 | 14868.4 | 12130.3 |
| 60° | 15038.7 | 14696.4 | 14046.3 | 14030.8 | 14422.9 | 13231.1 | 12434.8 | 12680.7 | 15958.8 | 15343.1 | 11948.0 |
| 62.5° | 17668.4 | 17326.1 | 16108.4 | 15315.6 | 15257.1 | 14252.7 | 13528.6 | 13594.0 | 16853.1 | 14699.9 | 10835.3 |
| 65° | 20514.8 | 20208.6 | 18848.2 | 17728.6 | 17188.5 | 15945.0 | 14799.6 | 14001.6 | 16560.8 | 12930.1 | 8888.4 |
| 67.5° | 23970.0 | 23641.5 | 22472.0 | 21438.4 | 20919.0 | 18676.2 | 15692.2 | 13611.2 | 14705.0 | 10016.6 | 6389.4 |
| 70° | 26386.5 | 26051.1 | 25590.2 | 26427.7 | 27698.7 | 22616.5 | 15807.5 | 12023.7 | 10983.2 | 6657.7 | 3845.7 |
| 72.5° | 23233.9 | 23077.4 | 23918.4 | 27445.9 | 32739.7 | 25007.1 | 14288.8 | 8754.2 | 6379.1 | 3534.4 | 2225.5 |
| 73° | 21287.0 | 21252.6 | 22687.0 | 26732.2 | 32775.8 | 24639.1 | 13623.2 | 8136.8 | 5471.0 | 3126.7 | 2034.6 |
| 75° | 9612.4 | 9889.3 | 13033.3 | 20418.5 | 28476.1 | 20303.2 | 9588.4 | 4667.8 | 3090.6 | 2160.2 | 1535.9 |
| 77.5° | 2309.8 | 2406.1 | 4077.8 | 9696.7 | 17983.1 | 12099.4 | 4344.4 | 2308.1 | 1976.1 | 1525.5 | 1121.4 |
| 80° | 983.8 | 1016.5 | 1570.3 | 3582.5 | 8467.0 | 4872.4 | 2001.9 | 1546.2 | 1367.3 | 1064.6 | 786.0 |
| 82.5° | 546.9 | 581.3 | 890.9 | 1625.3 | 3417.4 | 1661.4 | 1221.1 | 1076.6 | 899.5 | 641.5 | 510.8 |
| 85° | 309.6 | 328.5 | 521.1 | 908.1 | 1448.1 | 667.3 | 731.0 | 715.5 | 507.4 | 330.2 | 251.1 |
| 87.5° | 146.2 | 158.2 | 251.1 | 421.4 | 567.6 | 261.4 | 371.5 | 409.3 | 318.2 | 201.2 | 130.7 |
| 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: P194874

CATALOG NUMBER: GAN-AF-06-LED-U-T4FT-7060

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 | 5405.6 |
| 2.5° | 5402.2 | 5433.1 | 5469.2 | 5488.2 | 5505.3 | 5526.0 | 5546.6 | 5546.6 | 5550.1 | 5551.8 |
| 5° | 5364.3 | 5428.0 | 5484.7 | 5508.8 | 5513.9 | 5513.9 | 5508.8 | 5481.3 | 5457.2 | 5467.5 |
| 7.5° | 5285.2 | 5378.1 | 5426.2 | 5417.6 | 5352.3 | 5276.6 | 5213.0 | 5135.6 | 5096.0 | 5089.1 |
| 10° | 5171.7 | 5278.3 | 5286.9 | 5200.9 | 5039.3 | 4877.6 | 4743.4 | 4612.7 | 4550.8 | 4535.3 |
| 12.5° | 5046.1 | 5144.2 | 5089.1 | 4912.0 | 4652.3 | 4416.7 | 4246.4 | 4114.0 | 4055.5 | 4040.0 |
| 15° | 4944.7 | 5011.7 | 4872.4 | 4593.8 | 4267.0 | 4017.6 | 3876.6 | 3778.6 | 3737.3 | 3725.3 |
| 17.5° | 4891.4 | 4905.1 | 4650.6 | 4273.9 | 3926.5 | 3718.4 | 3630.7 | 3584.2 | 3568.8 | 3560.2 |
| 20° | 4917.1 | 4820.8 | 4439.0 | 3976.4 | 3647.9 | 3501.7 | 3481.0 | 3469.0 | 3465.6 | 3460.4 |
| 22.5° | 5046.1 | 4795.0 | 4244.7 | 3694.3 | 3403.7 | 3340.0 | 3357.2 | 3355.5 | 3352.1 | 3348.6 |
| 25° | 5276.6 | 4817.4 | 4055.5 | 3426.0 | 3199.0 | 3185.2 | 3216.2 | 3216.2 | 3202.4 | 3202.4 |
| 27.5° | 5581.0 | 4863.8 | 3843.9 | 3171.5 | 3013.2 | 3015.0 | 3039.0 | 3032.2 | 3016.7 | 3006.4 |
| 30° | 5952.5 | 4893.1 | 3596.3 | 2942.7 | 2839.5 | 2832.6 | 2839.5 | 2810.3 | 2763.9 | 2760.4 |
| 32.5° | 6332.6 | 4857.0 | 3309.1 | 2739.8 | 2655.5 | 2640.0 | 2634.9 | 2593.6 | 2540.3 | 2524.8 |
| 35° | 6676.6 | 4724.5 | 3016.7 | 2578.1 | 2480.1 | 2445.7 | 2469.8 | 2456.0 | 2407.8 | 2395.8 |
| 37.5° | 6927.7 | 4478.6 | 2753.5 | 2435.4 | 2354.5 | 2345.9 | 2361.4 | 2366.6 | 2309.8 | 2297.8 |
| 40° | 7096.2 | 4144.9 | 2528.2 | 2315.0 | 2330.4 | 2297.8 | 2246.2 | 2210.1 | 2192.9 | 2187.7 |
| 42.5° | 7232.1 | 3797.5 | 2339.0 | 2258.2 | 2335.6 | 2241.0 | 2129.2 | 2070.7 | 2101.7 | 2115.5 |
| 45° | 7388.6 | 3458.7 | 2180.8 | 2187.7 | 2309.8 | 2175.7 | 2048.4 | 1991.6 | 2003.7 | 2007.1 |
| 47.5° | 7603.6 | 3045.9 | 2010.5 | 2074.2 | 2223.8 | 2130.9 | 1998.5 | 1917.7 | 1860.9 | 1835.1 |
| 50° | 7901.1 | 2557.5 | 1833.4 | 1946.9 | 2139.5 | 2098.3 | 1921.1 | 1835.1 | 1730.2 | 1706.1 |
| 52.5° | 8107.5 | 2101.7 | 1687.2 | 1840.3 | 2063.9 | 2032.9 | 1859.2 | 1747.4 | 1637.3 | 1616.7 |
| 55° | 7995.7 | 1745.7 | 1559.9 | 1721.6 | 1964.1 | 1952.1 | 1807.6 | 1658.0 | 1572.0 | 1554.8 |
| 57.5° | 7436.8 | 1520.4 | 1461.9 | 1609.8 | 1842.0 | 1883.3 | 1738.8 | 1582.3 | 1520.4 | 1508.3 |
| 60° | 6370.5 | 1379.3 | 1400.0 | 1534.1 | 1742.2 | 1814.5 | 1670.0 | 1541.0 | 1499.7 | 1491.1 |
| 62.5° | 4942.9 | 1284.8 | 1353.5 | 1479.1 | 1664.8 | 1766.3 | 1632.2 | 1535.9 | 1520.4 | 1510.1 |
| 65° | 3541.2 | 1209.1 | 1303.7 | 1424.1 | 1594.3 | 1721.6 | 1618.4 | 1529.0 | 1532.4 | 1523.8 |
| 67.5° | 2406.1 | 1142.0 | 1243.5 | 1362.1 | 1525.5 | 1682.0 | 1599.5 | 1504.9 | 1547.9 | 1537.6 |
| 70° | 1683.8 | 1076.6 | 1173.0 | 1283.0 | 1439.5 | 1627.0 | 1565.1 | 1468.8 | 1465.3 | 1424.1 |
| 72.5° | 1314.0 | 990.7 | 1076.6 | 1173.0 | 1329.5 | 1549.6 | 1496.3 | 1387.9 | 1331.2 | 1288.2 |
| 73° | 1253.8 | 970.0 | 1052.6 | 1148.9 | 1305.4 | 1530.7 | 1477.4 | 1365.6 | 1302.0 | 1262.4 |
| 75° | 1037.1 | 880.6 | 956.3 | 1042.2 | 1202.2 | 1441.3 | 1384.5 | 1264.1 | 1183.3 | 1159.2 |
| 77.5° | 815.2 | 753.3 | 825.5 | 902.9 | 1059.4 | 1310.6 | 1246.9 | 1131.7 | 1087.0 | 1066.3 |
| 80° | 603.7 | 624.3 | 688.0 | 756.7 | 918.4 | 1171.2 | 1114.5 | 999.3 | 1198.8 | 1148.9 |
| 82.5° | 424.8 | 473.0 | 531.4 | 593.4 | 770.5 | 1035.4 | 966.6 | 847.9 | 877.1 | 729.2 |
| 85° | 251.1 | 309.6 | 364.6 | 417.9 | 555.5 | 858.2 | 798.0 | 675.9 | 553.8 | 528.0 |
| 87.5° | 146.2 | 172.0 | 187.5 | 242.5 | 381.8 | 646.7 | 562.4 | 500.5 | 287.2 | 194.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)