

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: P193931

Luminaire Tested: **GAN-AF-03-LED-U-T2R-8030-600-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193931
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-8030-600-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 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: 10179 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - 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

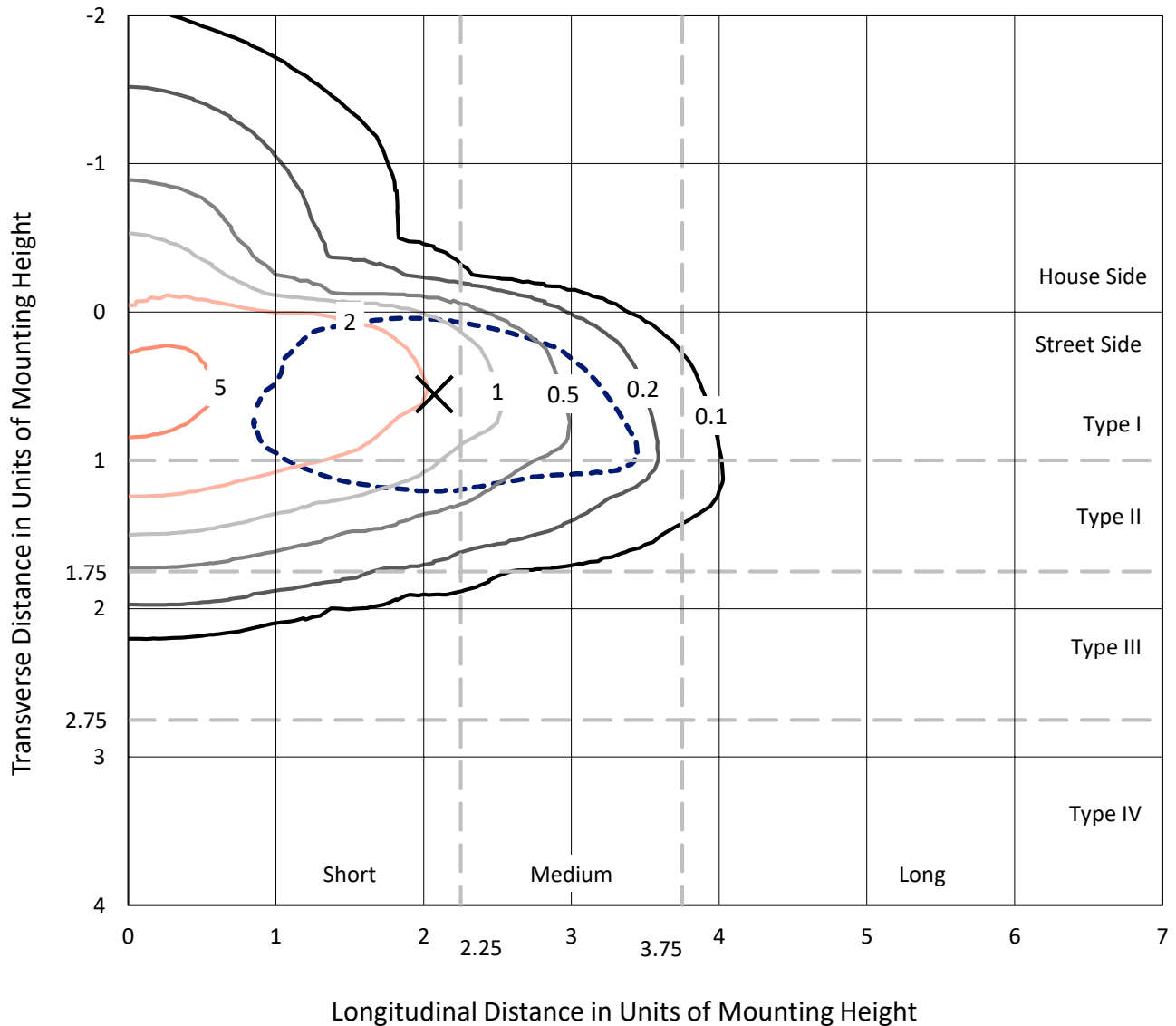


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

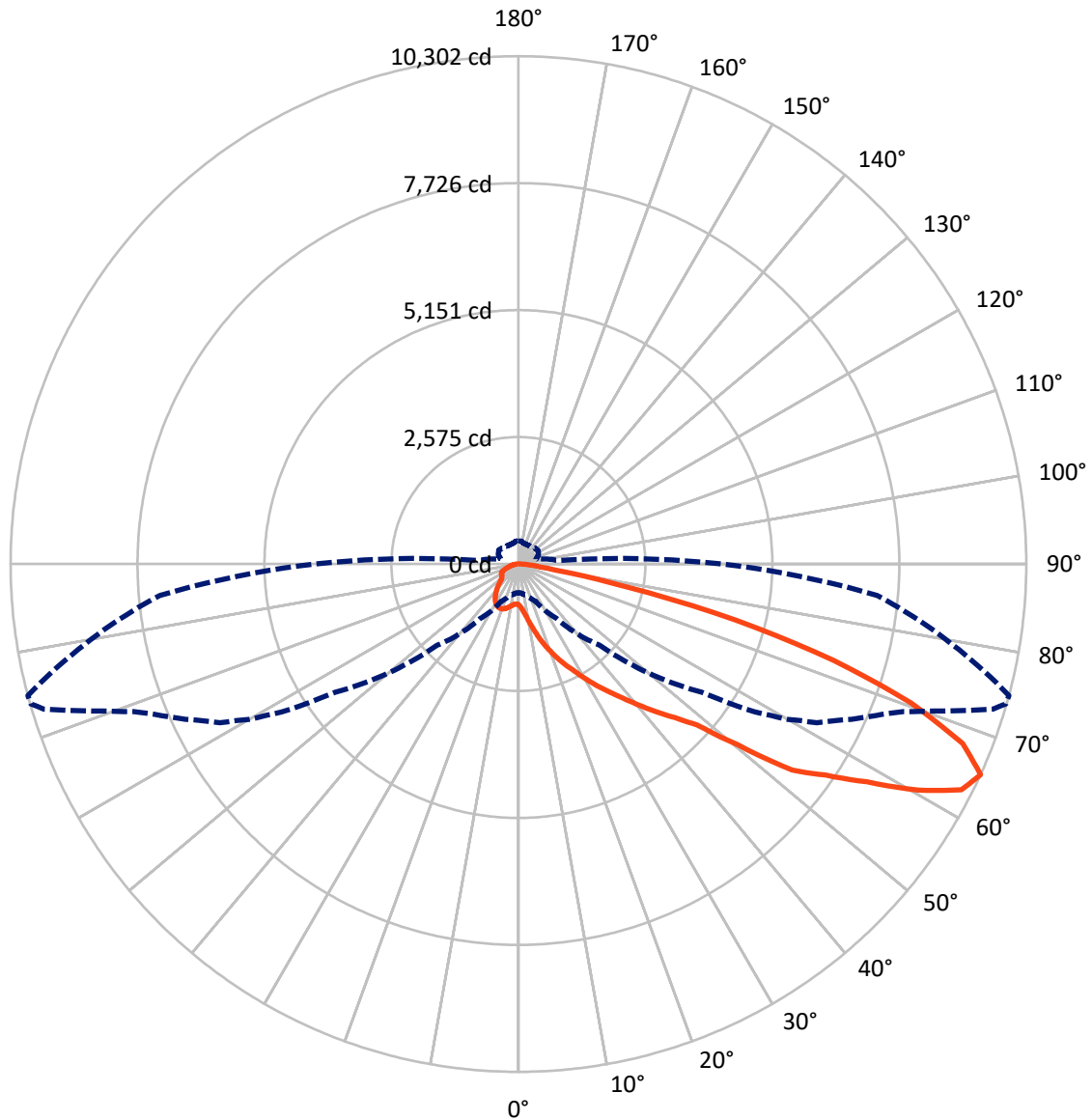


Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1569.4 | 0.0 | 1569.4 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 8609.6 | 0.0 | 8609.6 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 10179.0 | 0.0 | 10179.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 102.2 | 1.0 |
| 10°-20° | 399.5 | 3.9 |
| 20°-30° | 819.7 | 8.1 |
| 30°-40° | 1379.0 | 13.5 |
| 40°-50° | 1905.5 | 18.7 |
| 50°-60° | 2378.6 | 23.4 |
| 60°-70° | 2140.5 | 21.0 |
| 70°-80° | 897.3 | 8.8 |
| 80°-90° | 156.8 | 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° | 10179.0 | 100.0 |
| 0°-180° | 10179.0 | 100.0 |



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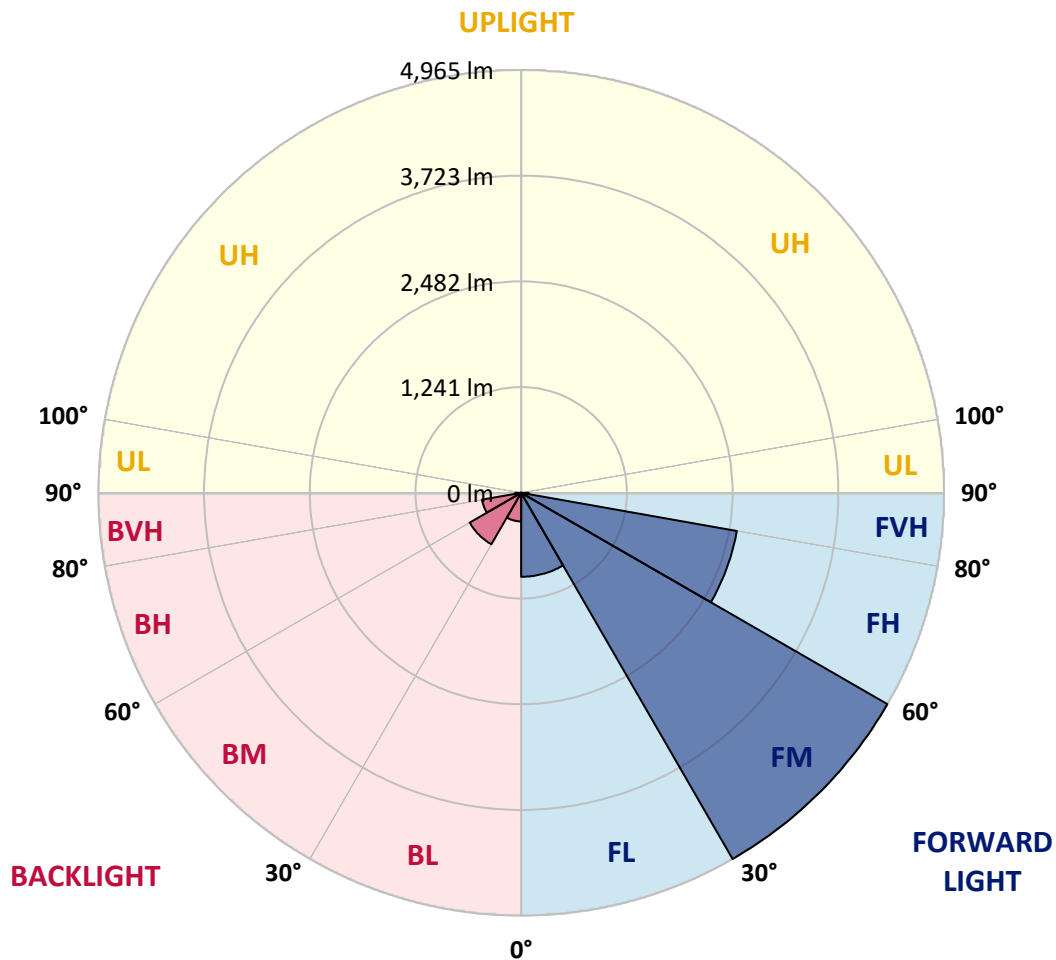
CATALOG NUMBER: GAN-AF-03-LED-U-T2R-8030-600-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 985.8 | 9.7 | | | |
| FM (30°-60°) | 4964.5 | 48.8 | | | |
| FH (60°-80°) | 2571.2 | 25.3 | | | G2/5000 |
| FVH (80°-90°) | 88.1 | 0.9 | | | G1/100 |
| BL (0°-30°) | 335.6 | 3.3 | B1/500 | | |
| BM (30°-60°) | 698.5 | 6.9 | B1/1000 | | |
| BH (60°-80°) | 466.6 | 4.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 68.7 | 0.7 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 1050.3 | 1038.7 | 1041.6 | 1022.4 | 998.8 | 967.9 | 933.7 | 933.2 | 933.7 | 930.3 | 917.8 |
| 5° | 1456.5 | 1442.5 | 1437.2 | 1393.8 | 1330.2 | 1239.7 | 1141.4 | 1130.8 | 1126.4 | 1115.4 | 1089.8 |
| 7.5° | 1752.8 | 1745.1 | 1736.9 | 1704.1 | 1646.3 | 1545.1 | 1413.1 | 1390.5 | 1368.8 | 1363.5 | 1334.6 |
| 10° | 1944.0 | 1942.1 | 1924.8 | 1916.1 | 1880.0 | 1792.3 | 1663.6 | 1642.0 | 1618.3 | 1610.2 | 1579.8 |
| 12.5° | 2095.3 | 2094.8 | 2086.6 | 2089.1 | 2057.7 | 1994.1 | 1883.3 | 1863.6 | 1846.2 | 1821.2 | 1799.5 |
| 15° | 2199.9 | 2200.3 | 2212.4 | 2225.9 | 2221.1 | 2178.2 | 2074.1 | 2065.4 | 2050.5 | 2033.2 | 2007.6 |
| 17.5° | 2285.6 | 2288.0 | 2300.6 | 2325.1 | 2351.6 | 2348.3 | 2265.9 | 2258.6 | 2245.6 | 2222.0 | 2208.5 |
| 20° | 2479.3 | 2488.5 | 2464.4 | 2464.4 | 2467.3 | 2480.3 | 2440.8 | 2435.0 | 2416.7 | 2404.1 | 2393.5 |
| 22.5° | 2806.4 | 2817.0 | 2762.6 | 2707.2 | 2652.8 | 2613.2 | 2573.7 | 2581.0 | 2568.4 | 2559.8 | 2553.5 |
| 25° | 3231.4 | 3239.6 | 3151.4 | 3057.9 | 2947.1 | 2802.6 | 2704.8 | 2700.4 | 2693.7 | 2688.4 | 2685.5 |
| 27.5° | 3631.3 | 3634.6 | 3551.3 | 3414.5 | 3285.8 | 3078.2 | 2837.8 | 2832.5 | 2824.3 | 2814.2 | 2805.5 |
| 30° | 3973.3 | 3972.4 | 3886.6 | 3756.1 | 3618.3 | 3388.4 | 3039.6 | 3023.3 | 2999.2 | 2971.7 | 2950.5 |
| 32.5° | 4269.6 | 4268.2 | 4174.3 | 4038.9 | 3894.3 | 3695.8 | 3316.2 | 3282.5 | 3244.9 | 3191.4 | 3159.1 |
| 35° | 4502.8 | 4501.9 | 4413.2 | 4272.1 | 4106.3 | 3985.4 | 3633.2 | 3591.8 | 3544.1 | 3472.3 | 3422.7 |
| 37.5° | 4591.0 | 4591.0 | 4541.4 | 4445.0 | 4298.6 | 4215.7 | 3985.4 | 3935.3 | 3884.2 | 3802.8 | 3746.9 |
| 40° | 4539.5 | 4540.4 | 4551.0 | 4533.2 | 4461.9 | 4398.3 | 4314.0 | 4284.1 | 4240.3 | 4167.0 | 4108.7 |
| 42.5° | 4366.5 | 4371.8 | 4442.1 | 4528.4 | 4564.0 | 4553.9 | 4605.5 | 4592.0 | 4561.1 | 4504.8 | 4458.5 |
| 45° | 4147.3 | 4163.7 | 4240.7 | 4403.6 | 4592.5 | 4688.3 | 4849.7 | 4851.2 | 4845.4 | 4815.0 | 4779.4 |
| 47.5° | 3846.2 | 3869.3 | 3970.9 | 4191.1 | 4526.0 | 4818.9 | 5097.9 | 5110.9 | 5122.9 | 5103.2 | 5086.8 |
| 50° | 3446.3 | 3473.7 | 3626.0 | 3917.9 | 4390.6 | 4954.3 | 5566.6 | 5625.4 | 5680.3 | 5673.6 | 5684.7 |
| 52.5° | 3018.0 | 3050.2 | 3236.7 | 3561.9 | 4157.9 | 4985.6 | 5866.3 | 5962.2 | 6058.1 | 6136.6 | 6219.9 |
| 55° | 2631.6 | 2614.2 | 2800.7 | 3143.2 | 3775.3 | 4844.4 | 6135.6 | 6251.3 | 6358.2 | 6454.6 | 6553.8 |
| 57.5° | 2107.8 | 2136.3 | 2323.2 | 2661.9 | 3269.0 | 4446.0 | 6321.1 | 6490.2 | 6643.9 | 6803.4 | 6944.1 |
| 60° | 1540.8 | 1569.2 | 1772.0 | 2116.0 | 2719.2 | 3841.8 | 6179.5 | 6435.8 | 6682.0 | 6926.3 | 7117.0 |
| 62.5° | 930.3 | 951.5 | 1130.3 | 1457.9 | 2096.8 | 3125.4 | 5548.3 | 5884.6 | 6246.9 | 6538.9 | 6831.3 |
| 65° | 579.1 | 591.2 | 657.2 | 837.4 | 1346.6 | 2333.3 | 4533.2 | 4899.8 | 5290.1 | 5660.6 | 5964.6 |
| 67.5° | 474.1 | 478.4 | 490.5 | 529.0 | 739.6 | 1521.5 | 3374.0 | 3698.7 | 4050.9 | 4409.4 | 4747.6 |
| 70° | 426.4 | 423.5 | 423.5 | 425.9 | 474.1 | 818.1 | 2209.0 | 2420.5 | 2713.9 | 3025.7 | 3335.0 |
| 72.5° | 385.0 | 382.1 | 376.8 | 369.5 | 386.9 | 499.1 | 1141.8 | 1301.3 | 1512.8 | 1789.9 | 2086.2 |
| 75° | 345.9 | 342.1 | 335.8 | 326.7 | 338.7 | 376.8 | 548.3 | 615.2 | 718.4 | 865.8 | 1031.0 |
| 77.5° | 305.5 | 300.6 | 294.9 | 288.1 | 303.5 | 292.9 | 321.4 | 345.4 | 385.0 | 432.2 | 494.3 |
| 80° | 259.7 | 255.4 | 253.4 | 250.1 | 268.4 | 223.1 | 226.9 | 241.9 | 265.0 | 290.5 | 319.4 |
| 82.5° | 203.3 | 203.3 | 211.0 | 212.5 | 232.7 | 160.4 | 169.6 | 182.6 | 194.6 | 208.1 | 221.6 |
| 85° | 133.9 | 134.9 | 160.9 | 171.0 | 183.6 | 107.9 | 127.2 | 131.5 | 141.2 | 148.9 | 154.7 |
| 87.5° | 41.9 | 45.3 | 98.3 | 108.9 | 105.5 | 61.2 | 78.1 | 80.0 | 86.7 | 92.0 | 96.8 |
| 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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CATALOG NUMBER: GAN-AF-03-LED-U-T2R-8030-600-ADJ

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 917.8 | 912.0 | 906.7 | 906.3 | 902.4 | 897.1 | 899.0 | 890.8 | 891.3 | 887.0 | 882.2 |
| 5° | 1079.2 | 1075.4 | 1056.1 | 1050.8 | 1036.3 | 1027.2 | 1025.7 | 1006.5 | 1004.1 | 993.0 | 980.9 |
| 7.5° | 1311.4 | 1298.9 | 1271.9 | 1258.9 | 1234.4 | 1216.0 | 1207.4 | 1181.8 | 1169.3 | 1140.4 | 1127.4 |
| 10° | 1554.7 | 1538.8 | 1505.6 | 1487.3 | 1463.7 | 1434.3 | 1418.4 | 1381.3 | 1366.8 | 1340.3 | 1308.5 |
| 12.5° | 1780.2 | 1764.3 | 1730.1 | 1716.1 | 1684.8 | 1653.5 | 1636.2 | 1594.3 | 1575.5 | 1533.1 | 1508.0 |
| 15° | 1988.8 | 1972.9 | 1943.1 | 1928.6 | 1897.3 | 1871.8 | 1848.6 | 1807.2 | 1785.0 | 1745.5 | 1712.8 |
| 17.5° | 2191.2 | 2174.3 | 2148.3 | 2135.3 | 2105.0 | 2078.9 | 2053.9 | 2014.9 | 1992.2 | 1952.7 | 1923.3 |
| 20° | 2379.1 | 2366.6 | 2347.8 | 2330.4 | 2300.1 | 2276.5 | 2246.6 | 2212.9 | 2180.1 | 2151.2 | 2123.3 |
| 22.5° | 2542.9 | 2538.1 | 2517.8 | 2510.1 | 2484.1 | 2463.9 | 2437.9 | 2404.6 | 2381.0 | 2344.4 | 2318.4 |
| 25° | 2684.1 | 2682.6 | 2673.0 | 2670.6 | 2652.3 | 2633.0 | 2627.2 | 2599.8 | 2578.1 | 2545.8 | 2518.8 |
| 27.5° | 2805.5 | 2806.9 | 2804.5 | 2811.3 | 2806.4 | 2797.8 | 2798.3 | 2789.1 | 2776.6 | 2749.6 | 2726.0 |
| 30° | 2940.4 | 2932.7 | 2937.0 | 2946.6 | 2949.5 | 2950.5 | 2966.4 | 2971.7 | 2970.7 | 2952.9 | 2941.3 |
| 32.5° | 3131.2 | 3112.9 | 3096.0 | 3094.6 | 3104.2 | 3108.0 | 3135.0 | 3149.0 | 3161.0 | 3165.4 | 3167.3 |
| 35° | 3374.5 | 3337.9 | 3302.7 | 3283.9 | 3267.5 | 3271.9 | 3291.1 | 3313.8 | 3340.3 | 3358.6 | 3380.3 |
| 37.5° | 3680.9 | 3636.1 | 3573.9 | 3529.6 | 3518.5 | 3494.4 | 3507.0 | 3524.8 | 3550.8 | 3579.2 | 3616.8 |
| 40° | 4052.4 | 3984.4 | 3914.6 | 3855.8 | 3824.0 | 3779.7 | 3779.2 | 3775.8 | 3791.7 | 3818.2 | 3871.2 |
| 42.5° | 4409.9 | 4349.6 | 4275.4 | 4213.8 | 4172.3 | 4113.1 | 4101.0 | 4069.7 | 4076.9 | 4100.1 | 4151.6 |
| 45° | 4744.7 | 4695.1 | 4649.8 | 4578.5 | 4543.3 | 4479.2 | 4459.0 | 4421.9 | 4401.2 | 4411.8 | 4463.3 |
| 47.5° | 5068.9 | 5037.1 | 4989.9 | 4943.7 | 4916.7 | 4859.4 | 4833.3 | 4806.8 | 4780.3 | 4779.4 | 4833.3 |
| 50° | 5701.1 | 5684.2 | 5628.3 | 5580.1 | 5593.1 | 5522.8 | 5527.1 | 5455.8 | 5488.1 | 5492.0 | 5605.2 |
| 52.5° | 6295.1 | 6353.9 | 6395.3 | 6445.9 | 6478.7 | 6484.9 | 6506.6 | 6538.9 | 6577.9 | 6655.0 | 6760.0 |
| 55° | 6635.3 | 6709.0 | 6751.8 | 6790.4 | 6854.0 | 6867.5 | 6903.6 | 6946.5 | 6980.7 | 7067.4 | 7156.6 |
| 57.5° | 7039.5 | 7176.3 | 7242.8 | 7304.0 | 7389.7 | 7422.5 | 7482.7 | 7529.5 | 7573.8 | 7676.4 | 7784.3 |
| 60° | 7288.6 | 7455.3 | 7590.6 | 7687.5 | 7794.9 | 7872.0 | 7963.1 | 8036.3 | 8140.4 | 8263.2 | 8424.1 |
| 62.5° | 7090.5 | 7335.3 | 7515.0 | 7681.2 | 7827.2 | 7974.6 | 8105.2 | 8242.0 | 8400.1 | 8586.0 | 8835.6 |
| 65° | 6301.9 | 6550.9 | 6858.8 | 7031.3 | 7224.5 | 7451.9 | 7650.4 | 7872.0 | 8087.4 | 8358.1 | 8727.2 |
| 67.5° | 5073.3 | 5362.8 | 5708.8 | 5882.7 | 6104.8 | 6358.7 | 6581.3 | 6852.1 | 7103.6 | 7431.7 | 7887.9 |
| 70° | 3656.8 | 4031.2 | 4322.2 | 4503.8 | 4763.0 | 5024.6 | 5239.5 | 5554.6 | 5762.7 | 6099.0 | 6570.7 |
| 72.5° | 2315.5 | 2610.8 | 2967.4 | 3196.2 | 3426.5 | 3691.5 | 3911.2 | 4182.9 | 4377.1 | 4683.5 | 5110.9 |
| 75° | 1245.0 | 1462.7 | 1775.9 | 1993.2 | 2239.9 | 2466.3 | 2723.6 | 2905.7 | 3049.3 | 3291.6 | 3638.5 |
| 77.5° | 583.5 | 715.9 | 874.5 | 1041.6 | 1208.8 | 1383.2 | 1552.8 | 1700.2 | 1761.9 | 1900.7 | 2105.4 |
| 80° | 354.1 | 397.0 | 443.2 | 494.8 | 564.7 | 621.0 | 695.7 | 749.7 | 753.5 | 797.4 | 860.0 |
| 82.5° | 236.6 | 252.5 | 266.4 | 279.4 | 297.3 | 311.2 | 327.1 | 345.9 | 353.6 | 363.8 | 384.0 |
| 85° | 161.4 | 169.1 | 172.0 | 180.2 | 178.3 | 183.1 | 189.3 | 195.6 | 199.0 | 198.5 | 207.7 |
| 87.5° | 99.2 | 103.1 | 105.0 | 107.0 | 105.5 | 103.6 | 106.5 | 109.8 | 110.8 | 107.9 | 108.9 |
| 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):

| | 71° | 72° | 73° | 74° | 75° | 85° | 90° | 95° | 105° | 115° | 125° |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|-------|-------|-------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 883.1 | 878.8 | 874.5 | 871.6 | 870.6 | 845.1 | 834.0 | 826.8 | 811.3 | 798.8 | 788.7 |
| 5° | 974.2 | 965.0 | 957.8 | 949.1 | 944.3 | 879.8 | 856.1 | 839.8 | 812.8 | 796.9 | 782.4 |
| 7.5° | 1120.7 | 1095.1 | 1080.2 | 1063.3 | 1048.9 | 932.3 | 893.2 | 867.7 | 830.1 | 808.9 | 792.5 |
| 10° | 1286.9 | 1260.4 | 1236.8 | 1210.7 | 1188.1 | 1002.1 | 945.3 | 905.8 | 856.1 | 828.7 | 807.0 |
| 12.5° | 1472.4 | 1446.3 | 1416.5 | 1383.2 | 1354.3 | 1090.8 | 1011.8 | 955.4 | 887.5 | 850.8 | 820.5 |
| 15° | 1691.6 | 1645.8 | 1609.7 | 1571.1 | 1537.4 | 1196.8 | 1089.3 | 1011.3 | 920.7 | 871.1 | 830.6 |
| 17.5° | 1895.4 | 1847.2 | 1798.1 | 1764.3 | 1725.3 | 1315.8 | 1167.4 | 1068.1 | 948.2 | 884.1 | 832.5 |
| 20° | 2094.4 | 2041.8 | 1999.4 | 1954.2 | 1913.2 | 1439.1 | 1250.7 | 1118.2 | 966.0 | 884.6 | 820.5 |
| 22.5° | 2269.7 | 2237.0 | 2189.7 | 2140.6 | 2099.2 | 1562.5 | 1328.8 | 1160.6 | 972.7 | 873.5 | 799.3 |
| 25° | 2469.2 | 2434.5 | 2376.7 | 2335.3 | 2289.0 | 1688.2 | 1405.4 | 1193.4 | 968.9 | 852.8 | 766.5 |
| 27.5° | 2682.1 | 2643.6 | 2584.3 | 2541.0 | 2485.1 | 1818.8 | 1475.7 | 1217.0 | 954.4 | 819.0 | 722.7 |
| 30° | 2904.2 | 2869.1 | 2810.8 | 2766.9 | 2710.6 | 1957.0 | 1554.3 | 1232.9 | 925.5 | 772.3 | 671.6 |
| 32.5° | 3142.7 | 3113.3 | 3055.5 | 3009.8 | 2949.5 | 2106.9 | 1627.5 | 1237.7 | 881.7 | 716.9 | 617.7 |
| 35° | 3369.2 | 3348.9 | 3300.3 | 3257.4 | 3194.8 | 2248.5 | 1705.1 | 1235.3 | 829.6 | 656.2 | 568.5 |
| 37.5° | 3624.0 | 3612.0 | 3587.9 | 3533.5 | 3456.9 | 2440.8 | 1798.1 | 1225.2 | 766.1 | 596.0 | 530.9 |
| 40° | 3895.8 | 3896.7 | 3870.7 | 3833.6 | 3762.3 | 2674.0 | 1908.9 | 1205.4 | 696.7 | 543.0 | 496.7 |
| 42.5° | 4183.4 | 4198.3 | 4185.8 | 4159.3 | 4090.9 | 2909.1 | 2041.4 | 1181.4 | 629.2 | 491.4 | 463.0 |
| 45° | 4513.0 | 4531.3 | 4550.5 | 4511.5 | 4445.0 | 3219.3 | 2215.8 | 1150.0 | 556.5 | 448.5 | 439.9 |
| 47.5° | 4893.1 | 4922.0 | 4939.3 | 4939.8 | 4873.3 | 3603.8 | 2499.1 | 1131.2 | 491.9 | 419.6 | 428.8 |
| 50° | 5695.3 | 5704.4 | 5745.4 | 5816.7 | 5765.6 | 4493.7 | 2993.9 | 1119.7 | 448.1 | 401.8 | 420.6 |
| 52.5° | 6851.1 | 6951.8 | 7022.6 | 7017.8 | 6948.4 | 5058.8 | 3266.6 | 1059.9 | 422.1 | 395.1 | 416.8 |
| 55° | 7321.8 | 7447.6 | 7578.6 | 7613.3 | 7559.3 | 5541.1 | 3524.3 | 1000.2 | 409.5 | 399.9 | 418.2 |
| 57.5° | 7949.1 | 8161.1 | 8340.8 | 8416.4 | 8338.4 | 6158.3 | 3863.5 | 968.9 | 405.7 | 412.9 | 427.4 |
| 60° | 8681.9 | 8944.0 | 9180.1 | 9315.9 | 9315.9 | 6867.5 | 4215.2 | 955.9 | 400.4 | 432.2 | 442.8 |
| 62.5° | 9152.6 | 9537.6 | 9894.1 | 10093.1 | 10087.3 | 7361.3 | 4371.3 | 911.6 | 388.3 | 445.7 | 464.0 |
| 65° | 9154.5 | 9612.3 | 10066.6 | 10290.1 | 10301.7 | 7300.6 | 4113.5 | 805.1 | 366.2 | 447.6 | 485.2 |
| 67.5° | 8391.4 | 8879.4 | 9408.9 | 9659.0 | 9716.8 | 6720.5 | 3560.9 | 662.0 | 330.0 | 428.3 | 492.9 |
| 70° | 7087.2 | 7563.7 | 8104.2 | 8350.0 | 8452.6 | 5729.0 | 2868.1 | 510.2 | 283.8 | 385.9 | 477.0 |
| 72.5° | 5583.5 | 6050.8 | 6427.1 | 6606.8 | 6686.8 | 4379.0 | 2088.6 | 385.4 | 232.7 | 325.2 | 434.1 |
| 75° | 3953.1 | 4303.9 | 4503.8 | 4543.8 | 4556.3 | 2639.7 | 1269.0 | 286.7 | 191.8 | 252.9 | 366.6 |
| 77.5° | 2231.2 | 2381.5 | 2365.1 | 2382.9 | 2234.6 | 1019.0 | 552.6 | 205.2 | 158.0 | 192.2 | 284.3 |
| 80° | 871.1 | 898.1 | 843.6 | 826.8 | 758.3 | 379.2 | 243.8 | 143.1 | 126.2 | 145.5 | 199.0 |
| 82.5° | 384.0 | 396.5 | 385.0 | 387.8 | 371.0 | 195.6 | 146.0 | 103.6 | 96.4 | 106.5 | 132.0 |
| 85° | 211.5 | 215.4 | 214.4 | 220.7 | 211.5 | 78.1 | 69.4 | 63.6 | 67.5 | 72.3 | 84.8 |
| 87.5° | 103.1 | 104.1 | 100.7 | 106.0 | 102.6 | 39.5 | 34.2 | 36.1 | 39.5 | 40.5 | 40.5 |
| 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: P193931

CATALOG NUMBER: GAN-AF-03-LED-U-T2R-8030-600-ADJ

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 | 827.2 |
| 2.5° | 781.5 | 777.6 | 778.1 | 777.1 | 775.2 | 775.2 |
| 5° | 774.7 | 770.9 | 770.9 | 769.9 | 767.5 | 768.0 |
| 7.5° | 781.5 | 775.2 | 772.8 | 769.4 | 766.1 | 766.1 |
| 10° | 789.2 | 778.1 | 771.4 | 765.6 | 761.2 | 761.2 |
| 12.5° | 795.0 | 777.6 | 766.5 | 758.8 | 754.5 | 754.5 |
| 15° | 796.9 | 774.2 | 758.8 | 749.7 | 745.8 | 745.3 |
| 17.5° | 790.6 | 761.2 | 742.4 | 731.8 | 727.0 | 725.6 |
| 20° | 771.4 | 737.6 | 715.0 | 702.9 | 696.2 | 693.8 |
| 22.5° | 742.4 | 703.9 | 677.4 | 664.9 | 656.2 | 654.8 |
| 25° | 702.0 | 660.5 | 634.5 | 622.5 | 617.7 | 616.2 |
| 27.5° | 654.8 | 616.2 | 594.1 | 586.3 | 582.0 | 581.5 |
| 30° | 609.9 | 577.2 | 560.8 | 555.0 | 549.7 | 548.8 |
| 32.5° | 568.0 | 547.3 | 541.1 | 532.9 | 520.3 | 518.9 |
| 35° | 538.2 | 536.2 | 531.9 | 513.6 | 498.2 | 493.8 |
| 37.5° | 519.9 | 537.7 | 515.5 | 479.4 | 468.3 | 467.3 |
| 40° | 509.3 | 522.7 | 484.7 | 472.2 | 473.1 | 472.2 |
| 42.5° | 485.2 | 499.1 | 485.6 | 479.9 | 483.7 | 484.7 |
| 45° | 461.1 | 476.5 | 492.9 | 489.0 | 498.2 | 498.2 |
| 47.5° | 447.6 | 470.7 | 492.4 | 492.4 | 505.9 | 510.7 |
| 50° | 432.2 | 465.9 | 484.7 | 491.4 | 502.0 | 498.2 |
| 52.5° | 431.2 | 457.7 | 473.6 | 485.6 | 490.5 | 486.1 |
| 55° | 432.7 | 451.0 | 462.5 | 476.0 | 481.8 | 482.3 |
| 57.5° | 434.6 | 447.1 | 454.8 | 461.1 | 478.4 | 478.4 |
| 60° | 439.4 | 443.7 | 448.1 | 451.4 | 474.1 | 474.6 |
| 62.5° | 447.1 | 440.4 | 439.4 | 442.8 | 471.7 | 469.7 |
| 65° | 459.1 | 435.5 | 428.3 | 431.7 | 469.3 | 463.5 |
| 67.5° | 475.5 | 428.3 | 414.3 | 416.8 | 467.3 | 454.8 |
| 70° | 490.5 | 416.8 | 397.0 | 394.6 | 449.0 | 426.9 |
| 72.5° | 491.9 | 403.3 | 372.9 | 365.7 | 390.3 | 369.1 |
| 75° | 467.8 | 394.1 | 346.4 | 325.2 | 322.3 | 319.4 |
| 77.5° | 421.6 | 388.8 | 315.6 | 282.3 | 276.5 | 278.5 |
| 80° | 352.7 | 369.1 | 278.5 | 239.0 | 270.3 | 266.9 |
| 82.5° | 263.5 | 325.7 | 236.6 | 211.5 | 211.0 | 186.5 |
| 85° | 146.5 | 253.9 | 192.7 | 158.5 | 110.3 | 107.0 |
| 87.5° | 41.0 | 141.2 | 134.9 | 89.6 | 61.2 | 63.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)