

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: P193811

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)  
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-SLL-8030-600-ADJ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8586 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-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

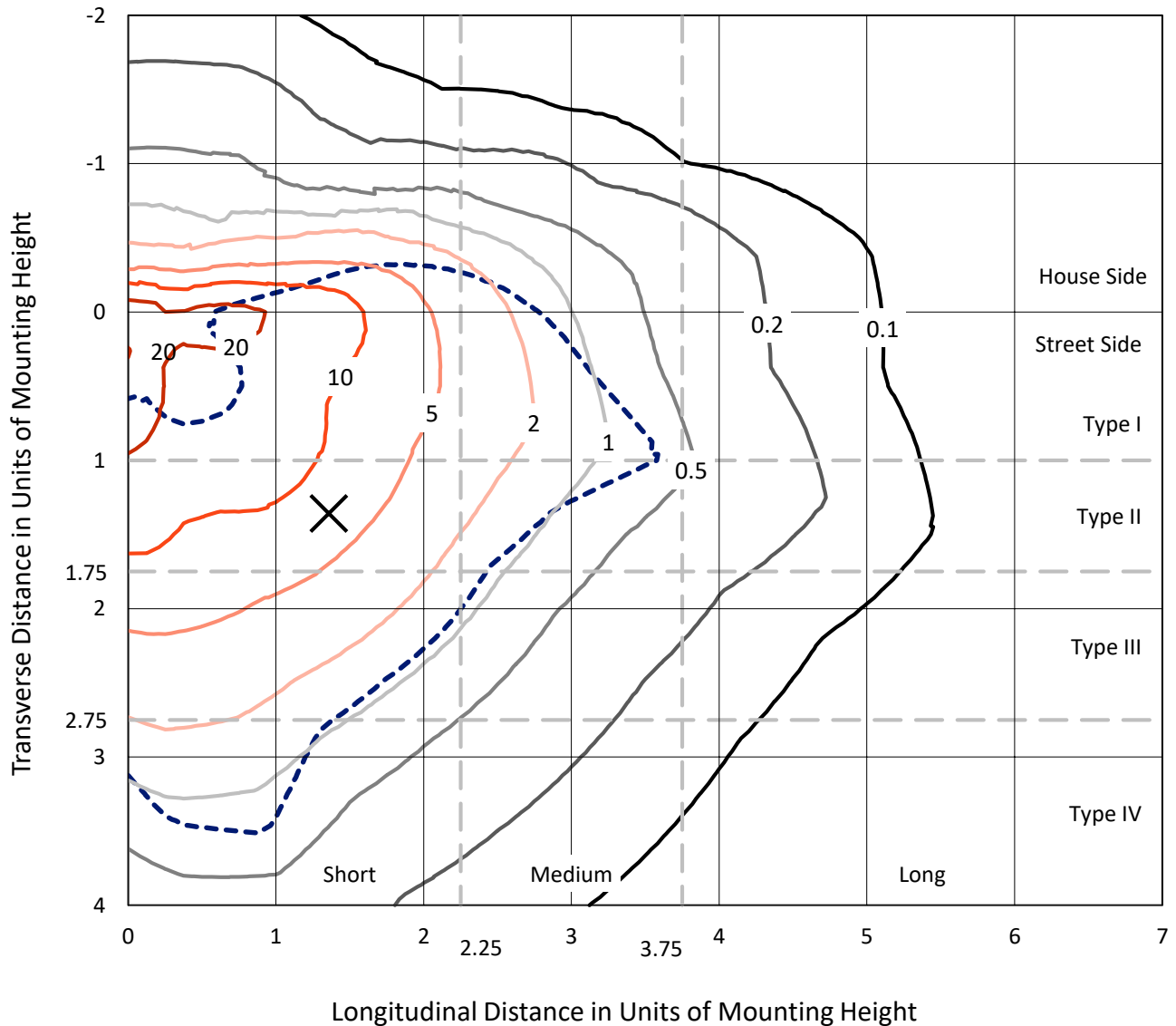


REPORT NUMBER: P193811

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

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

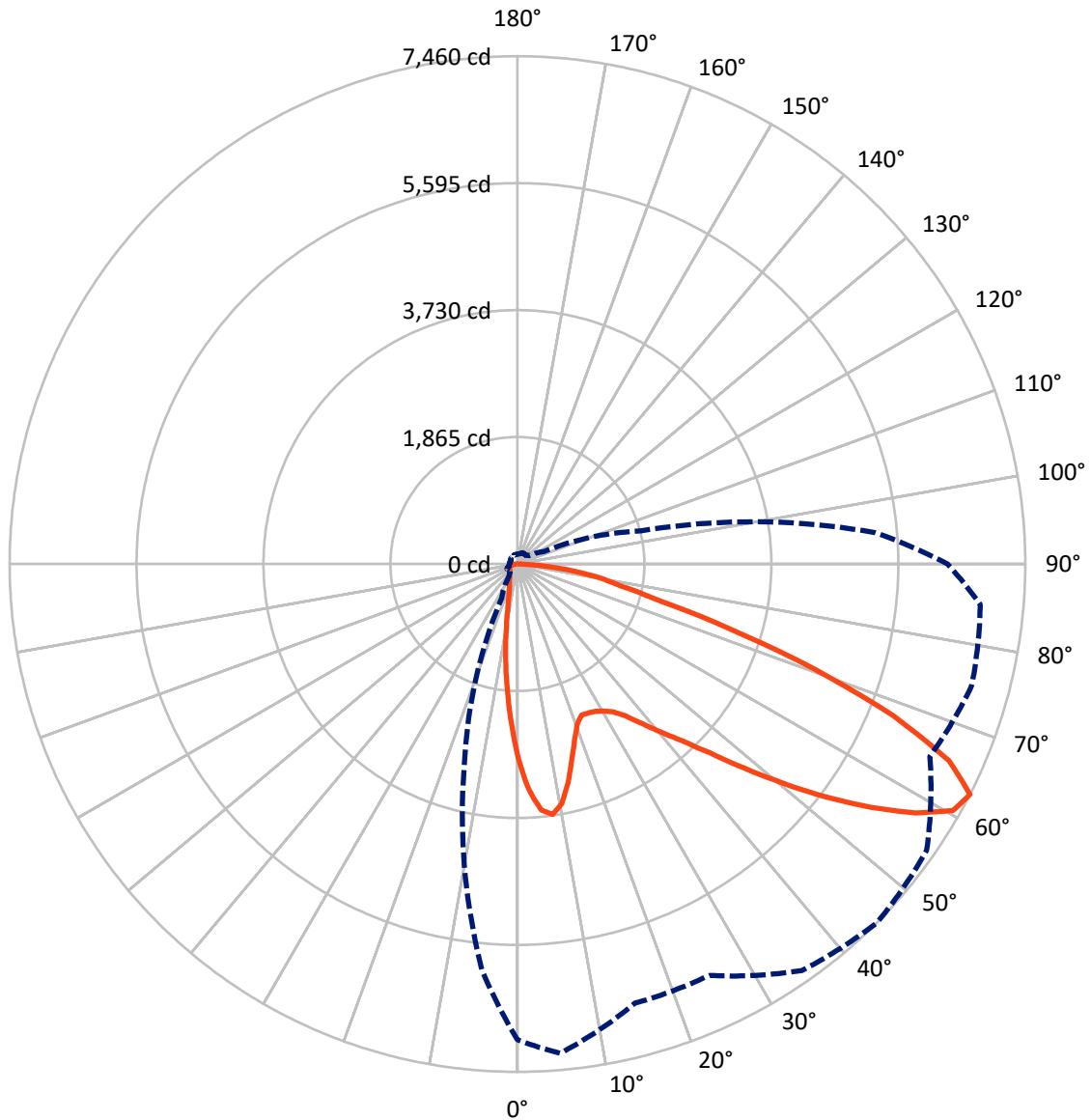


Based on 10 foot mounting height. Maximum calculated value = 34.1 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P193811

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

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P193811

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1420.9	0.0	1420.9
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	7165.1	0.0	7165.1
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	8586.0	0.0	8586.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.2	2.5
10°-20°	387.2	4.5
20°-30°	564.6	6.6
30°-40°	869.5	10.1
40°-50°	1279.7	14.9
50°-60°	1877.1	21.9
60°-70°	2098.3	24.4
70°-80°	1027.3	12.0
80°-90°	271.2	3.2
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°	8586.0	100.0
0°-180°	8586.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P193811

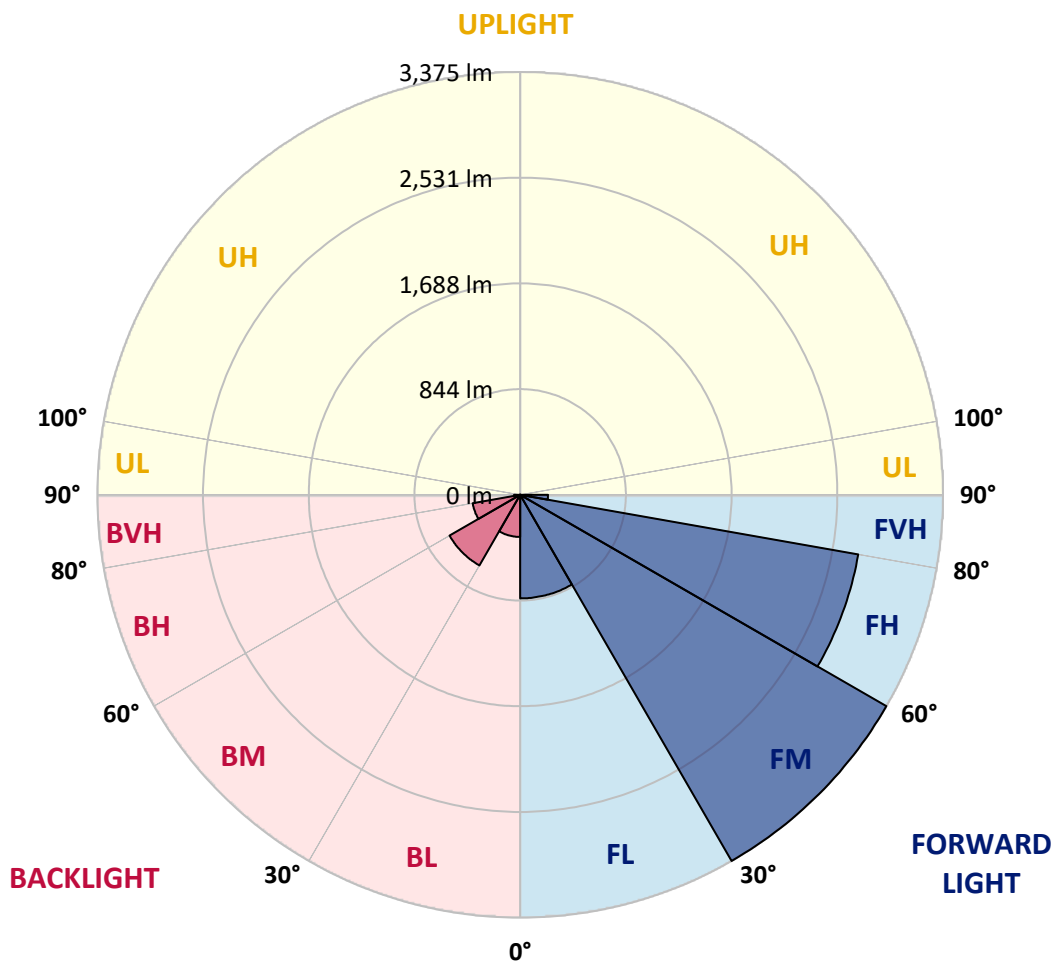
CATALOG NUMBER: GAN-AF-03-LED-U-SLL-8030-600-ADJ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.8	9.6			
FM (30°-60°)	3375.2	39.3			
FH (60°-80°)	2740.4	31.9			G2/5000
FVH (80°-90°)	222.7	2.6			G2/225
BL (0°-30°)	336.2	3.9	B1/500		
BM (30°-60°)	651.0	7.6	B1/1000		
BH (60°-80°)	385.2	4.5	B1/500		G1/500
BVH (80°-90°)	48.5	0.6			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 IV Short





REPORT NUMBER: P193811

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8
2.5°	3014.1	3062.2	3156.2	3226.5	3311.9	3331.7	3359.1	3332.2	3284.5	3221.3	3200.5
5°	2834.3	2937.2	3165.1	3365.7	3544.1	3627.2	3650.3	3581.9	3443.6	3261.9	3151.0
7.5°	2545.9	2692.2	3000.9	3296.3	3559.2	3714.5	3710.7	3551.7	3297.3	3001.3	2823.4
10°	2297.1	2464.2	2818.2	3148.6	3427.5	3578.1	3520.1	3316.6	3013.1	2672.4	2479.3
12.5°	2157.9	2321.7	2680.9	3012.7	3245.8	3297.8	3253.4	3054.2	2768.2	2423.6	2254.7
15°	2133.8	2313.7	2626.1	2896.1	3026.8	2981.5	2928.7	2839.5	2637.4	2343.4	2167.4
17.5°	2238.1	2436.4	2688.9	2814.9	2792.7	2713.9	2698.8	2708.7	2660.1	2432.6	2229.7
20°	2438.3	2676.1	2838.5	2776.7	2614.8	2506.2	2510.0	2661.5	2805.5	2658.7	2426.9
22.5°	2719.1	2990.5	3054.2	2797.0	2539.7	2410.9	2442.0	2687.5	3037.2	2989.1	2693.1
25°	3082.5	3329.8	3284.1	2870.6	2547.3	2422.7	2447.7	2777.2	3311.0	3319.5	3022.6
27.5°	3434.6	3664.0	3477.1	2968.3	2578.4	2450.5	2483.6	2918.3	3572.4	3678.2	3399.2
30°	3709.3	3868.9	3553.6	3057.5	2639.8	2504.8	2545.9	3052.3	3691.4	3920.3	3689.0
32.5°	3936.8	4051.5	3675.3	3168.0	2752.6	2590.2	2662.5	3215.2	3862.7	4150.6	3972.7
35°	4227.6	4260.1	3826.8	3291.1	2926.8	2738.9	2828.6	3374.7	4026.0	4383.3	4252.1
37.5°	4568.3	4526.3	3969.9	3459.6	3151.9	2971.6	3045.7	3549.8	4160.5	4647.2	4537.7
40°	4905.3	4804.3	4149.2	3721.1	3480.4	3245.8	3333.6	3736.7	4286.1	4911.5	4816.6
42.5°	5191.8	5042.2	4326.2	4008.6	3786.3	3548.4	3653.2	3925.0	4406.0	5137.1	5058.7
45°	5403.7	5217.8	4494.7	4284.7	4207.7	3950.5	4000.1	4140.7	4535.8	5325.4	5257.9
47.5°	5593.0	5394.3	4685.4	4563.1	4576.4	4473.5	4393.7	4391.8	4688.7	5479.3	5446.2
50°	5846.5	5639.3	4890.2	4850.1	5129.5	5061.1	4885.0	4684.9	4882.2	5653.9	5650.1
52.5°	6195.7	6027.2	5140.4	5159.3	5645.9	5690.7	5472.7	5037.0	5185.2	5974.4	5951.7
55°	6608.7	6510.5	5481.1	5514.7	6279.3	6311.4	6094.7	5477.4	5630.8	6438.3	6375.6
57.5°	6931.1	6910.3	5855.0	5941.3	6752.2	6896.6	6697.5	5987.1	6133.0	6829.1	6671.5
60°	7059.5	7160.0	6252.8	6371.8	7189.7	7349.7	7175.1	6435.0	6578.0	6991.0	6651.2
62.5°	6990.1	7214.7	6676.7	6666.8	7287.4	7459.7	7337.0	6684.2	6908.0	6823.9	6314.7
65°	6669.6	7017.9	6922.6	6590.8	6953.3	6967.4	6927.8	6572.8	6985.8	6295.8	5664.3
67.5°	5971.5	6472.8	6598.8	5939.4	6051.8	5959.7	5893.2	5963.0	6579.9	5504.3	4760.4
70°	4863.8	5618.0	5678.4	4750.5	4699.5	4637.7	4505.1	4888.8	5779.0	4511.2	3777.3
72.5°	3576.2	4369.2	4554.6	3484.2	3248.2	3260.9	3156.2	3684.3	4698.6	3351.1	2820.1
75°	2446.8	3163.7	3563.5	2431.2	2148.0	2153.2	2140.0	2610.5	3742.4	2331.1	2110.2
77.5°	1787.4	2260.3	2687.5	1634.5	1586.8	1557.5	1550.5	1826.6	2869.2	1692.5	1638.7
80°	1434.4	1669.9	1805.3	1132.8	1218.2	1215.8	1176.7	1255.9	1873.8	1238.0	1225.7
82.5°	994.9	1283.3	1462.7	887.8	822.2	808.5	817.9	935.5	1324.4	846.3	804.7
85°	524.8	852.4	1448.5	786.8	488.0	389.4	484.3	766.0	1147.4	448.4	392.7
87.5°	67.0	246.4	959.1	313.9	192.6	103.8	229.9	431.4	736.8	91.6	79.8
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: P193811

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8
2.5°	3147.2	3084.4	3002.3	2926.3	2847.5	2769.1	2666.7	2602.5	2558.2	2549.7	2530.8
5°	3070.7	2862.1	2704.5	2568.1	2444.4	2269.8	2173.0	2092.8	2049.8	2045.6	2035.2
7.5°	2718.2	2430.2	2217.4	2024.3	1849.2	1708.1	1552.4	1479.7	1449.9	1457.0	1464.1
10°	2351.4	2029.5	1785.0	1587.8	1433.4	1314.5	1189.4	1104.9	1046.4	1034.6	1032.2
12.5°	2083.3	1730.3	1492.9	1353.6	1234.2	1122.4	989.8	890.2	814.2	788.2	770.7
15°	1970.1	1584.0	1335.2	1185.2	1053.5	911.4	788.2	683.9	614.1	591.4	578.7
17.5°	1994.1	1543.4	1226.7	1034.6	866.1	717.9	562.6	473.4	431.4	420.5	420.5
20°	2120.6	1535.8	1137.0	895.8	685.8	514.0	386.6	335.6	321.9	320.5	324.3
22.5°	2298.1	1562.3	1070.0	775.5	532.9	375.2	301.1	282.2	276.1	277.5	281.8
25°	2562.4	1651.5	1021.4	668.3	418.2	307.3	268.6	257.2	254.4	258.2	263.4
27.5°	2875.8	1740.7	991.2	587.6	353.0	280.8	255.3	243.5	245.4	250.2	254.9
30°	3151.0	1813.8	943.5	530.0	332.7	282.2	255.3	239.3	237.4	238.4	239.8
32.5°	3397.8	1863.4	887.8	475.3	287.0	250.6	238.4	236.0	225.6	221.8	222.3
35°	3610.7	1863.4	854.3	443.2	257.2	222.3	202.5	190.7	185.5	186.0	191.2
37.5°	3816.0	1826.1	837.8	425.3	241.2	211.4	194.0	183.6	176.5	175.1	176.1
40°	3997.2	1771.8	818.9	417.7	228.9	204.8	188.3	179.8	172.3	169.9	170.4
42.5°	4142.6	1727.9	798.1	407.8	221.4	200.1	184.5	177.0	168.5	166.1	165.7
45°	4299.8	1713.3	770.7	388.0	225.1	200.6	183.6	175.6	167.1	164.3	163.3
47.5°	4507.0	1759.1	742.4	364.4	233.2	203.0	185.0	175.6	166.6	164.3	163.3
50°	4768.0	1866.7	706.6	329.9	225.1	209.6	184.5	174.2	166.6	164.3	162.4
52.5°	5103.1	2012.1	659.4	290.3	220.4	225.6	183.6	171.3	164.3	160.9	157.6
55°	5510.4	2131.0	603.2	257.7	209.6	221.4	182.2	168.0	160.5	155.8	152.9
57.5°	5808.7	2174.0	531.0	236.5	194.5	214.3	180.3	163.8	155.8	152.0	148.2
60°	5749.7	2090.9	470.1	223.2	185.5	193.5	178.9	160.0	151.5	148.7	145.4
62.5°	5277.3	1873.8	430.9	217.1	179.8	176.5	180.3	156.2	147.7	144.9	144.0
65°	4568.8	1553.3	415.3	215.7	175.1	166.6	167.6	152.0	143.5	141.1	140.2
67.5°	3768.8	1253.6	401.7	220.4	169.0	159.5	154.8	146.3	139.2	136.9	135.0
70°	2972.1	1042.6	395.5	217.6	161.4	152.5	147.3	140.2	134.0	131.7	130.3
72.5°	2393.4	880.7	392.2	214.8	151.5	143.0	138.3	132.2	125.5	124.6	123.2
75°	2025.3	692.4	359.2	205.8	140.2	131.7	128.4	122.7	116.1	116.1	115.2
77.5°	1562.3	500.8	298.8	182.2	128.4	118.9	116.1	111.9	104.3	105.7	105.3
80°	1154.0	326.6	233.6	151.0	113.7	104.8	103.4	99.1	91.1	93.0	93.0
82.5°	790.6	214.3	168.0	123.7	97.2	88.7	88.7	84.5	75.5	76.5	79.3
85°	396.9	147.3	125.5	95.8	75.5	71.3	71.3	68.0	59.0	59.5	63.2
87.5°	120.8	88.7	83.1	68.4	54.3	53.3	51.0	48.6	43.0	42.5	44.8
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: P193811

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

**CANDELA DISTRIBUTION (continued):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8
2.5°	2502.0	2475.1	2442.5	2370.8	2346.7	2345.3	2367.0	2344.3	2387.8	2369.4	2389.7
5°	2017.7	1991.3	1955.0	1863.4	1807.7	1769.9	1752.0	1699.1	1737.4	1709.5	1732.7
7.5°	1483.9	1490.1	1466.0	1412.2	1290.9	1230.0	1194.1	1162.0	1189.9	1187.0	1231.4
10°	1043.1	1059.6	1042.6	988.3	890.2	856.7	863.3	876.0	912.3	931.2	999.7
12.5°	750.9	750.0	739.1	690.5	625.9	629.6	656.5	678.7	712.2	732.0	801.9
15°	560.7	552.2	547.5	507.9	471.0	479.1	492.3	494.6	515.9	527.7	584.3
17.5°	423.8	428.1	433.3	405.0	377.1	371.9	361.5	348.8	354.9	357.3	385.6
20°	336.5	353.5	366.3	346.4	318.1	303.0	289.8	281.3	281.3	280.8	288.9
22.5°	294.0	306.3	320.0	306.3	280.8	267.6	260.1	253.5	252.5	252.5	260.1
25°	270.9	279.9	293.1	283.7	264.8	254.9	247.8	239.3	236.0	235.0	240.2
27.5°	259.6	263.4	270.0	261.5	245.4	240.7	238.8	231.3	227.0	224.7	229.9
30°	240.2	239.3	239.8	231.3	218.5	218.1	221.4	222.8	221.4	220.9	228.9
32.5°	222.3	220.4	219.9	212.4	200.6	197.8	200.6	203.4	206.7	211.4	220.9
35°	199.6	204.4	207.2	200.6	186.4	177.9	174.6	169.4	166.6	166.6	177.5
37.5°	181.7	192.6	196.8	190.7	175.1	163.3	157.6	156.7	157.2	159.1	169.4
40°	175.6	183.6	187.4	181.2	165.7	154.8	151.5	150.6	151.5	154.3	164.7
42.5°	171.8	177.5	177.0	169.4	156.7	149.1	147.3	146.3	147.3	150.1	161.4
45°	168.5	172.3	168.5	159.5	147.7	144.0	144.4	144.0	144.9	147.7	158.6
47.5°	165.7	167.1	162.4	153.4	141.1	140.2	142.1	143.5	144.4	146.8	158.1
50°	161.4	161.4	157.2	147.7	135.5	135.9	138.3	141.6	142.1	144.9	153.9
52.5°	156.2	155.8	152.9	144.0	130.7	132.2	132.2	135.9	136.9	140.2	149.6
55°	152.0	151.0	149.6	141.1	126.5	128.9	127.4	128.9	131.2	134.5	144.9
57.5°	148.2	146.3	146.3	138.8	123.2	124.1	120.8	122.7	125.5	128.4	139.2
60°	144.4	142.5	143.5	135.5	118.0	117.1	115.6	119.4	120.4	123.7	134.5
62.5°	140.2	138.8	139.2	131.7	114.2	111.9	111.9	115.2	115.6	120.4	130.7
65°	136.9	135.0	134.5	127.9	110.0	107.1	108.6	110.0	110.9	115.6	125.5
67.5°	133.6	129.8	129.8	124.6	105.3	102.4	105.3	104.8	106.2	110.4	118.5
70°	129.3	124.1	124.6	122.2	100.5	97.2	99.6	99.1	100.1	102.9	110.9
72.5°	122.7	118.5	119.4	118.5	95.8	91.1	92.0	92.0	92.0	94.4	102.9
75°	114.2	110.9	113.7	116.1	90.1	83.5	84.5	84.5	83.1	84.5	94.9
77.5°	103.8	101.9	111.4	108.1	83.5	75.5	75.5	74.6	71.7	73.6	85.0
80°	92.5	91.1	102.9	90.6	76.0	65.6	64.7	62.3	59.5	60.9	72.2
82.5°	80.7	79.3	86.4	69.4	65.6	54.3	51.9	47.7	44.8	46.3	56.6
85°	66.1	66.1	66.5	52.4	50.0	41.5	38.7	33.0	29.7	30.7	40.6
87.5°	47.2	48.6	44.8	35.9	29.7	23.1	21.2	17.9	15.1	17.5	21.2
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: P193811

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

**CANDELA DISTRIBUTION (continued):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8	2900.8
2.5°	2493.5	2545.4	2604.4	2679.9	2744.6	2850.8	2952.7	3014.1
5°	1864.3	1950.7	2058.3	2196.6	2325.5	2519.0	2711.1	2834.3
7.5°	1334.3	1426.8	1542.9	1715.7	1897.8	2144.7	2398.6	2545.9
10°	1104.0	1198.8	1296.5	1413.1	1562.3	1830.8	2131.0	2297.1
12.5°	913.3	1014.8	1120.0	1242.7	1381.0	1620.8	1966.8	2157.9
15°	699.0	812.3	936.4	1091.7	1264.9	1542.0	1926.2	2133.8
17.5°	479.1	605.6	758.0	949.6	1161.6	1516.5	1998.9	2238.1
20°	329.9	422.0	584.8	809.5	1064.3	1513.2	2138.6	2438.3
22.5°	276.1	317.2	436.1	680.6	991.2	1553.8	2355.2	2719.1
25°	255.3	279.9	348.3	568.7	937.8	1647.2	2653.5	3082.5
27.5°	243.1	265.3	316.2	495.6	895.8	1755.8	2943.8	3434.6
30°	247.8	270.4	307.3	458.3	838.7	1846.4	3201.5	3709.3
32.5°	223.2	233.2	263.4	425.3	797.7	1922.4	3427.1	3936.8
35°	190.2	207.7	235.0	409.7	798.6	1973.4	3673.0	4227.6
37.5°	181.2	198.7	218.5	404.0	809.5	2027.6	3955.2	4568.3
40°	175.6	191.6	208.6	400.7	819.8	2077.2	4231.8	4905.3
42.5°	171.8	186.4	207.7	389.4	825.0	2121.6	4459.3	5191.8
45°	171.3	186.4	211.4	378.1	833.1	2169.2	4650.0	5403.7
47.5°	171.8	192.6	204.4	364.4	833.1	2249.0	4873.7	5593.0
50°	169.9	203.0	196.8	345.0	813.7	2400.0	5180.5	5846.5
52.5°	169.0	201.5	182.2	315.3	780.2	2639.8	5573.7	6195.7
55°	166.6	194.5	171.8	270.9	741.0	2901.3	5994.7	6608.7
57.5°	164.3	172.3	166.1	232.2	680.6	3085.4	6284.5	6931.1
60°	184.1	150.6	161.4	213.3	599.9	3135.9	6273.1	7059.5
62.5°	170.4	141.1	155.3	209.1	543.3	2994.3	5983.3	6990.1
65°	133.6	135.0	149.1	221.4	528.2	2619.0	5469.8	6669.6
67.5°	122.2	128.9	143.0	236.9	529.6	2097.0	4702.4	5971.5
70°	115.2	122.2	135.9	245.0	533.3	1563.2	3717.8	4863.8
72.5°	107.1	113.3	127.9	246.4	508.8	1135.6	2865.4	3576.2
75°	97.7	103.4	116.6	214.8	421.5	787.7	2191.9	2446.8
77.5°	86.8	91.1	102.4	165.7	312.9	504.1	1645.3	1787.4
80°	74.1	76.5	85.9	121.3	214.3	315.3	1301.7	1434.4
82.5°	59.5	60.4	66.5	91.1	139.2	202.5	871.8	994.9
85°	42.0	42.0	45.8	66.1	94.9	128.4	473.4	524.8
87.5°	19.8	20.3	20.3	36.3	49.6	65.1	109.0	67.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)