

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: P193021

Luminaire Tested: **GAN-AF-03-LED-U-SLL-7030-800**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193021  
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-7030-800  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA 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: 12479.6 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

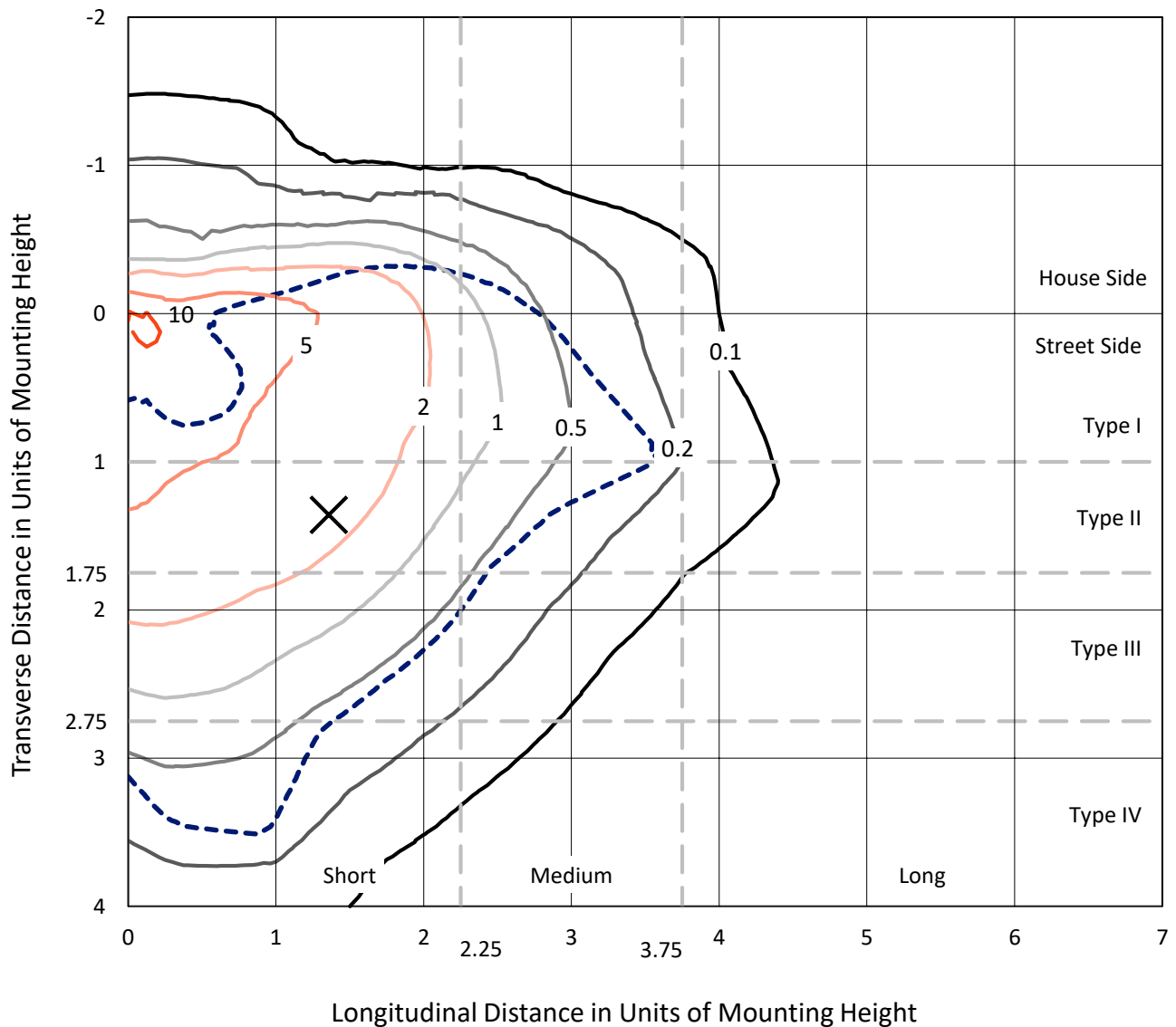
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

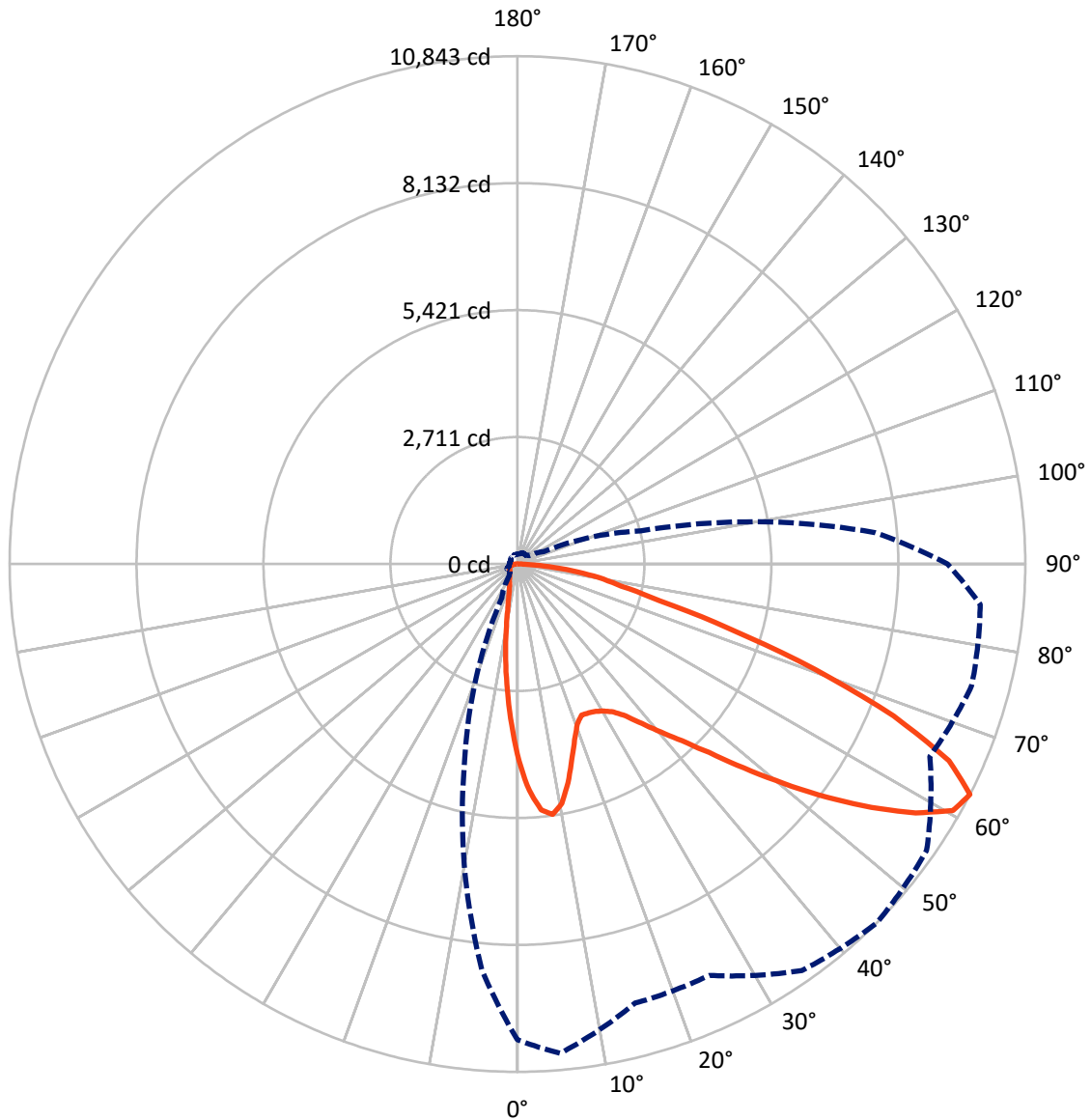
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2065.2	0.0	2065.2
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	10414.4	0.0	10414.4
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	12479.6	0.0	12479.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.9	2.5
10°-20°	562.8	4.5
20°-30°	820.6	6.6
30°-40°	1263.8	10.1
40°-50°	1860.0	14.9
50°-60°	2728.3	21.9
60°-70°	3049.8	24.4
70°-80°	1493.1	12.0
80°-90°	394.2	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°	12479.6	100.0
0°-180°	12479.6	100.0

**Coefficient of Utilization**



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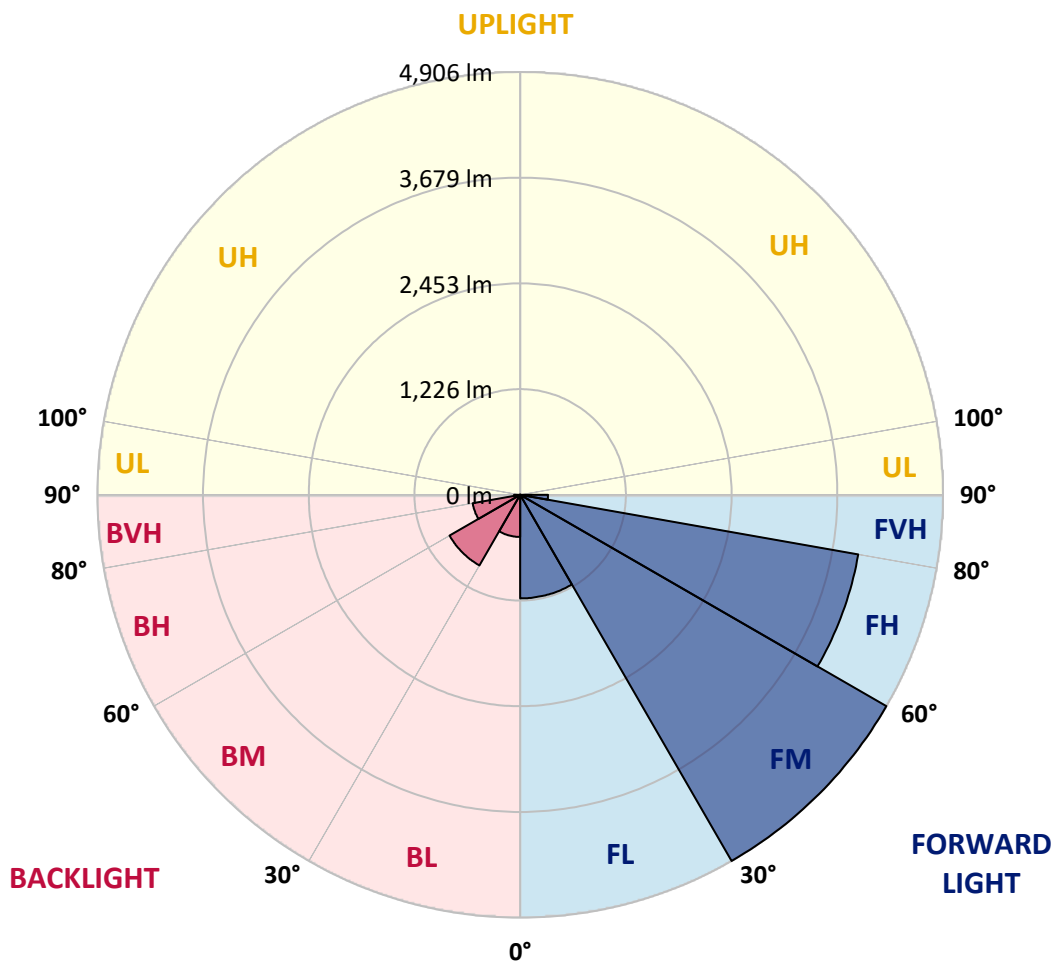
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1201.7	9.6			
FM	(30°-60°)	4905.8	39.3			
FH	(60°-80°)	3983.1	31.9			G2/5000
FVH	(80°-90°)	323.8	2.6			G3/500
BL	(0°-30°)	488.6	3.9	B1/500		
BM	(30°-60°)	946.3	7.6	B1/1000		
BH	(60°-80°)	559.9	4.5	B2/1000		G2/1000
BVH	(80°-90°)	70.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4
2.5°	4381.0	4450.9	4587.5	4689.6	4813.9	4842.6	4882.4	4843.4	4774.0	4682.1	4651.9
5°	4119.5	4269.1	4600.5	4892.0	5151.3	5272.1	5305.6	5206.2	5005.1	4741.1	4579.8
7.5°	3700.4	3913.0	4361.7	4791.1	5173.3	5398.9	5393.5	5162.3	4792.5	4362.4	4103.8
10°	3338.9	3581.7	4096.2	4576.5	4981.9	5200.7	5116.3	4820.6	4379.5	3884.2	3603.7
12.5°	3136.5	3374.6	3896.6	4378.9	4717.7	4793.2	4728.7	4439.2	4023.5	3522.7	3277.1
15°	3101.6	3362.9	3817.0	4209.4	4399.5	4333.6	4256.7	4127.0	3833.5	3406.0	3150.2
17.5°	3253.0	3541.2	3908.2	4091.4	4059.2	3944.6	3922.6	3937.0	3866.3	3535.7	3240.7
20°	3544.0	3889.7	4125.7	4035.8	3800.6	3642.8	3648.2	3868.5	4077.7	3864.4	3527.6
22.5°	3952.1	4346.7	4439.2	4065.3	3691.5	3504.2	3549.5	3906.2	4414.5	4344.5	3914.4
25°	4480.4	4839.8	4773.3	4172.4	3702.5	3521.3	3557.7	4036.6	4812.5	4824.8	4393.4
27.5°	4992.2	5325.7	5053.9	4314.4	3747.7	3561.9	3609.8	4241.7	5192.4	5346.2	4940.7
30°	5391.4	5623.3	5165.0	4444.0	3836.8	3640.7	3700.4	4436.5	5365.4	5698.1	5361.9
32.5°	5722.1	5888.7	5342.0	4604.5	4000.8	3764.8	3869.9	4673.1	5614.4	6032.9	5774.3
35°	6144.6	6192.0	5562.3	4783.6	4254.0	3981.0	4111.3	4905.0	5851.7	6371.0	6180.4
37.5°	6640.0	6578.9	5770.1	5028.5	4581.2	4319.1	4426.8	5159.6	6047.3	6754.5	6595.4
40°	7129.8	6983.0	6030.8	5408.6	5058.7	4717.7	4845.3	5431.2	6229.8	7138.7	7000.8
42.5°	7546.2	7328.8	6288.1	5826.4	5503.3	5157.5	5309.8	5705.0	6404.0	7466.7	7352.7
45°	7854.2	7583.9	6532.9	6227.7	6115.9	5742.0	5814.0	6018.4	6592.7	7740.4	7642.2
47.5°	8129.3	7840.6	6810.1	6632.5	6651.7	6502.1	6386.2	6383.4	6814.9	7964.0	7916.0
50°	8497.7	8196.5	7107.9	7049.5	7455.7	7356.2	7100.3	6809.5	7096.2	8217.8	8212.4
52.5°	9005.3	8760.5	7471.4	7498.9	8206.1	8271.4	7954.4	7321.3	7536.6	8683.6	8650.7
55°	9605.6	9463.0	7966.7	8015.5	9126.9	9173.4	8858.5	7961.2	8184.2	9357.9	9266.8
57.5°	10074.2	10043.9	8510.1	8635.7	9814.2	10024.1	9734.7	8702.2	8914.1	9925.9	9696.9
60°	10260.7	10407.0	9088.4	9261.3	10450.1	10682.8	10428.9	9353.2	9561.1	10161.3	9667.4
62.5°	10159.9	10486.4	9704.4	9689.9	10592.1	10842.6	10664.1	9715.5	10040.6	9918.4	9178.3
65°	9694.1	10200.5	10061.9	9579.7	10106.5	10127.0	10069.5	9553.5	10153.8	9150.8	8232.9
67.5°	8679.5	9408.1	9591.3	8632.9	8796.1	8662.4	8565.6	8667.2	9563.8	8000.4	6919.2
70°	7069.4	8165.7	8253.6	6904.7	6830.7	6740.9	6548.0	7105.7	8399.7	6556.9	5490.2
72.5°	5198.0	6350.4	6620.1	5064.1	4721.2	4739.6	4587.5	5355.2	6829.4	4870.8	4099.0
75°	3556.3	4598.4	5179.4	3533.7	3122.1	3129.6	3110.4	3794.3	5439.5	3388.2	3067.2
77.5°	2597.9	3285.3	3906.2	2375.8	2306.4	2263.9	2253.6	2654.9	4170.3	2460.1	2381.9
80°	2084.7	2427.0	2624.1	1646.4	1770.6	1767.2	1710.2	1825.5	2723.5	1799.4	1781.6
82.5°	1446.1	1865.3	2125.9	1290.4	1195.1	1175.2	1188.8	1359.7	1924.9	1230.0	1169.6
85°	762.8	1239.0	2105.4	1143.6	709.3	566.0	703.8	1113.5	1667.8	651.7	570.8
87.5°	97.5	358.2	1394.0	456.1	279.9	150.9	334.2	627.0	1070.8	133.1	116.0
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4
2.5°	4574.3	4483.1	4363.9	4253.4	4138.7	4024.9	3876.0	3782.7	3718.2	3705.8	3678.4
5°	4463.2	4160.0	3930.9	3732.7	3552.9	3299.1	3158.4	3041.8	2979.4	2973.2	2958.0
7.5°	3950.9	3532.4	3222.9	2942.4	2687.8	2482.7	2256.3	2150.7	2107.5	2117.8	2128.1
10°	3417.7	2949.9	2594.6	2307.8	2083.5	1910.6	1728.8	1606.0	1520.9	1503.7	1500.3
12.5°	3028.1	2514.9	2169.9	1967.5	1793.9	1631.4	1438.6	1293.8	1183.4	1145.7	1120.2
15°	2863.4	2302.3	1940.8	1722.6	1531.2	1324.7	1145.7	994.0	892.5	859.6	841.1
17.5°	2898.4	2243.3	1783.0	1503.7	1258.8	1043.4	817.7	688.2	627.0	611.2	611.2
20°	3082.3	2232.2	1652.6	1302.1	996.8	747.2	561.8	487.8	467.8	465.8	471.4
22.5°	3340.3	2270.7	1555.2	1127.1	774.5	545.4	437.7	410.3	401.3	403.3	409.5
25°	3724.4	2400.4	1484.5	971.5	607.8	446.7	390.4	373.8	369.8	375.3	382.9
27.5°	4179.9	2530.0	1440.7	854.1	513.2	408.2	371.2	354.0	356.7	363.7	370.5
30°	4579.8	2636.4	1371.3	770.4	483.7	410.3	371.2	347.8	345.0	346.5	348.5
32.5°	4938.6	2708.4	1290.4	690.8	417.2	364.3	346.5	343.0	327.9	322.5	323.1
35°	5248.0	2708.4	1241.7	644.2	373.8	323.1	294.4	277.2	269.7	270.3	277.8
37.5°	5546.4	2654.2	1217.7	618.1	350.5	307.3	282.0	266.8	256.5	254.5	255.8
40°	5809.9	2575.3	1190.3	607.2	332.7	297.7	273.7	261.3	250.4	246.9	247.7
42.5°	6021.2	2511.6	1160.0	592.7	321.8	290.8	268.2	257.3	245.0	241.5	240.8
45°	6249.6	2490.2	1120.2	563.9	327.2	291.6	266.8	255.2	242.9	238.7	237.3
47.5°	6550.8	2556.7	1079.2	529.6	338.9	295.0	268.9	255.2	242.1	238.7	237.3
50°	6930.2	2713.2	1026.9	479.5	327.2	304.7	268.2	253.2	242.1	238.7	236.0
52.5°	7417.3	2924.6	958.4	421.8	320.3	327.9	266.8	249.0	238.7	234.0	229.1
55°	8009.2	3097.4	876.7	374.5	304.7	321.8	264.9	244.2	233.3	226.3	222.3
57.5°	8442.9	3159.8	771.8	343.7	282.7	311.5	262.1	238.0	226.3	220.9	215.5
60°	8357.1	3039.0	683.3	324.5	269.7	281.3	260.0	232.6	220.2	216.2	211.3
62.5°	7670.4	2723.5	626.4	315.5	261.3	256.5	262.1	227.0	214.7	210.7	209.2
65°	6640.7	2257.8	603.6	313.5	254.5	242.1	243.5	220.9	208.5	205.1	203.8
67.5°	5477.8	1822.1	583.8	320.3	245.7	231.8	225.0	212.6	202.3	199.0	196.2
70°	4319.9	1515.4	574.9	316.3	234.6	221.6	214.0	203.8	194.8	191.4	189.3
72.5°	3478.9	1280.1	570.2	312.2	220.2	207.8	201.0	192.1	182.5	181.2	179.0
75°	2943.7	1006.4	522.0	299.2	203.8	191.4	186.7	178.3	168.8	168.8	167.3
77.5°	2270.7	727.8	434.2	264.9	186.7	172.8	168.8	162.6	151.7	153.6	153.0
80°	1677.3	474.7	339.6	219.5	165.3	152.3	150.2	144.1	132.4	135.2	135.2
82.5°	1149.1	311.5	244.2	179.7	141.3	128.9	128.9	122.8	109.8	111.1	115.3
85°	576.9	214.0	182.5	139.3	109.8	103.6	103.6	98.8	85.8	86.5	91.9
87.5°	175.6	128.9	120.7	99.4	78.8	77.6	74.1	70.7	62.4	61.7	65.1
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):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4
2.5°	3636.5	3597.5	3550.2	3445.9	3410.8	3408.8	3440.3	3407.5	3470.6	3443.9	3473.4
5°	2932.7	2894.3	2841.5	2708.4	2627.4	2572.6	2546.5	2469.7	2525.2	2484.8	2518.4
7.5°	2156.9	2165.7	2130.8	2052.6	1876.3	1787.8	1735.6	1688.9	1729.5	1725.3	1789.7
10°	1516.1	1540.1	1515.4	1436.5	1293.8	1245.1	1254.8	1273.3	1326.1	1353.5	1453.0
12.5°	1091.5	1090.1	1074.3	1003.6	909.7	915.1	954.3	986.5	1035.2	1063.9	1165.6
15°	815.0	802.6	795.7	738.1	684.6	696.3	715.5	718.9	749.8	767.0	849.3
17.5°	616.0	622.2	629.8	588.6	548.2	540.7	525.5	507.0	515.9	519.3	560.5
20°	489.2	513.8	532.3	503.5	462.3	440.5	421.2	408.8	408.8	408.2	419.9
22.5°	427.4	445.2	465.1	445.2	408.2	389.0	378.0	368.4	367.0	367.0	378.0
25°	393.8	406.8	426.0	412.4	384.8	370.5	360.1	347.8	343.0	341.7	349.2
27.5°	377.3	382.9	392.3	380.0	356.7	349.8	347.1	336.2	330.0	326.5	334.2
30°	349.2	347.8	348.5	336.2	317.6	317.0	321.8	323.9	321.8	321.0	332.7
32.5°	323.1	320.3	319.7	308.6	291.6	287.5	291.6	295.6	300.5	307.3	321.0
35°	290.2	297.0	301.1	291.6	271.0	258.6	253.8	246.3	242.1	242.1	258.0
37.5°	264.1	279.9	286.0	277.2	254.5	237.3	229.1	227.8	228.5	231.2	246.3
40°	255.2	266.8	272.4	263.5	240.8	225.0	220.2	218.8	220.2	224.3	239.4
42.5°	249.6	258.0	257.3	246.3	227.8	216.8	214.0	212.6	214.0	218.2	234.6
45°	245.0	250.4	245.0	231.8	214.7	209.2	209.9	209.2	210.7	214.7	230.5
47.5°	240.8	242.9	236.0	223.0	205.1	203.8	206.5	208.5	209.9	213.4	229.8
50°	234.6	234.6	228.5	214.7	196.8	197.5	201.0	205.9	206.5	210.7	223.7
52.5°	227.0	226.3	222.3	209.2	190.0	192.1	192.1	197.5	199.0	203.8	217.4
55°	220.9	219.5	217.4	205.1	183.9	187.3	185.2	187.3	190.7	195.5	210.7
57.5°	215.5	212.6	212.6	201.7	179.0	180.4	175.6	178.3	182.5	186.7	202.3
60°	209.9	207.1	208.5	196.8	171.5	170.1	168.0	173.6	175.0	179.7	195.5
62.5°	203.8	201.7	202.3	191.4	166.0	162.6	162.6	167.3	168.0	175.0	190.0
65°	199.0	196.2	195.5	186.0	159.8	155.7	157.8	159.8	161.2	168.0	182.5
67.5°	194.2	188.7	188.7	181.2	153.0	148.9	153.0	152.3	154.4	160.5	172.2
70°	187.9	180.4	181.2	177.6	146.1	141.3	144.8	144.1	145.5	149.5	161.2
72.5°	178.3	172.2	173.6	172.2	139.3	132.4	133.8	133.8	133.8	137.2	149.5
75°	166.0	161.2	165.3	168.8	131.0	121.4	122.8	122.8	120.7	122.8	137.8
77.5°	150.9	148.1	161.9	157.2	121.4	109.8	109.8	108.3	104.3	107.0	123.5
80°	134.5	132.4	149.5	131.7	110.5	95.4	94.0	90.5	86.5	88.5	105.0
82.5°	117.4	115.3	125.5	100.8	95.4	78.8	75.5	69.3	65.1	67.2	82.3
85°	96.0	96.0	96.7	76.2	72.7	60.4	56.3	48.1	43.2	44.6	59.0
87.5°	68.7	70.7	65.1	52.1	43.2	33.7	30.9	26.1	22.0	25.3	30.9
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: P193021

CATALOG NUMBER: GAN-AF-03-LED-U-SLL-7030-800

**CANDELA DISTRIBUTION (continued):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4	4216.4
2.5°	3624.2	3699.7	3785.5	3895.2	3989.2	4143.5	4291.7	4381.0
5°	2709.7	2835.3	2991.7	3192.8	3380.1	3661.3	3940.6	4119.5
7.5°	1939.4	2073.8	2242.5	2493.8	2758.5	3117.2	3486.4	3700.4
10°	1604.6	1742.4	1884.5	2054.0	2270.7	2661.1	3097.4	3338.9
12.5°	1327.5	1474.9	1628.0	1806.3	2007.3	2355.7	2858.7	3136.5
15°	1016.0	1180.6	1361.1	1586.8	1838.5	2241.2	2799.7	3101.6
17.5°	696.3	880.2	1101.8	1380.3	1688.3	2204.2	2905.3	3253.0
20°	479.5	613.3	849.9	1176.5	1547.0	2199.4	3108.3	3544.0
22.5°	401.3	461.0	633.9	989.3	1440.7	2258.4	3423.2	3952.1
25°	371.2	406.8	506.3	826.6	1363.1	2394.2	3856.9	4480.4
27.5°	353.4	385.5	459.7	720.3	1302.1	2552.0	4278.7	4992.2
30°	360.1	393.2	446.7	666.2	1219.0	2683.7	4653.3	5391.4
32.5°	324.5	338.9	382.9	618.1	1159.4	2794.2	4981.2	5722.1
35°	276.4	301.9	341.7	595.5	1160.8	2868.3	5338.6	6144.6
37.5°	263.5	288.8	317.6	587.3	1176.5	2947.2	5748.9	6640.0
40°	255.2	278.5	303.2	582.5	1191.6	3019.2	6150.9	7129.8
42.5°	249.6	271.0	301.9	566.0	1199.1	3083.7	6481.5	7546.2
45°	249.0	271.0	307.3	549.5	1210.8	3152.9	6758.7	7854.2
47.5°	249.6	279.9	297.0	529.6	1210.8	3268.9	7083.9	8129.3
50°	246.9	295.0	286.0	501.5	1182.7	3488.4	7529.7	8497.7
52.5°	245.7	293.0	264.9	458.3	1134.0	3836.8	8101.2	9005.3
55°	242.1	282.7	249.6	393.8	1077.1	4217.0	8713.1	9605.6
57.5°	238.7	250.4	241.5	337.5	989.3	4484.5	9134.4	10074.2
60°	267.5	218.8	234.6	310.1	871.9	4558.0	9117.9	10260.7
62.5°	247.7	205.1	225.7	304.0	789.6	4352.2	8696.7	10159.9
65°	194.2	196.2	216.8	321.8	767.6	3806.7	7950.2	9694.1
67.5°	177.6	187.3	207.8	344.3	769.7	3048.0	6834.8	8679.5
70°	167.3	177.6	197.5	356.0	775.2	2272.0	5403.8	7069.4
72.5°	155.7	164.7	186.0	358.2	739.5	1650.6	4164.9	5198.0
75°	142.0	150.2	169.5	312.2	612.6	1144.9	3185.9	3556.3
77.5°	126.2	132.4	148.9	240.8	454.8	732.7	2391.4	2597.9
80°	107.7	111.1	124.9	176.4	311.5	458.3	1892.1	2084.7
82.5°	86.5	87.9	96.7	132.4	202.3	294.4	1267.1	1446.1
85°	61.0	61.0	66.5	96.0	137.8	186.7	688.2	762.8
87.5°	28.9	29.5	29.5	52.8	72.0	94.6	158.4	97.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)