

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: P268614

Luminaire Tested: **GAN-AF-06-LED-U-SLR-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P268614
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-06-LED-U-SLR-7027-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17909.1 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 193
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

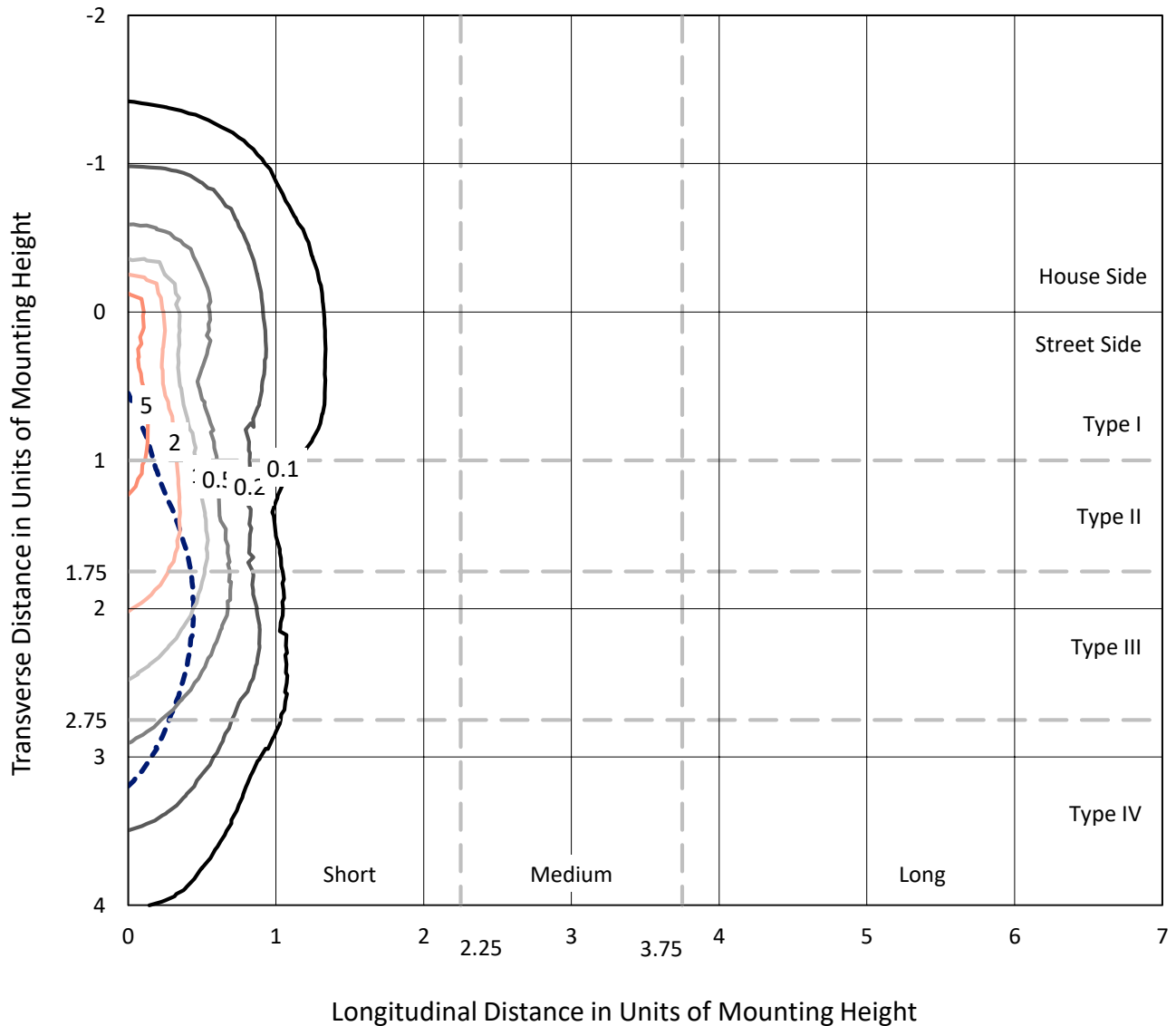


REPORT NUMBER: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

Iso-Footcandle Lines of Horizontal Illumination

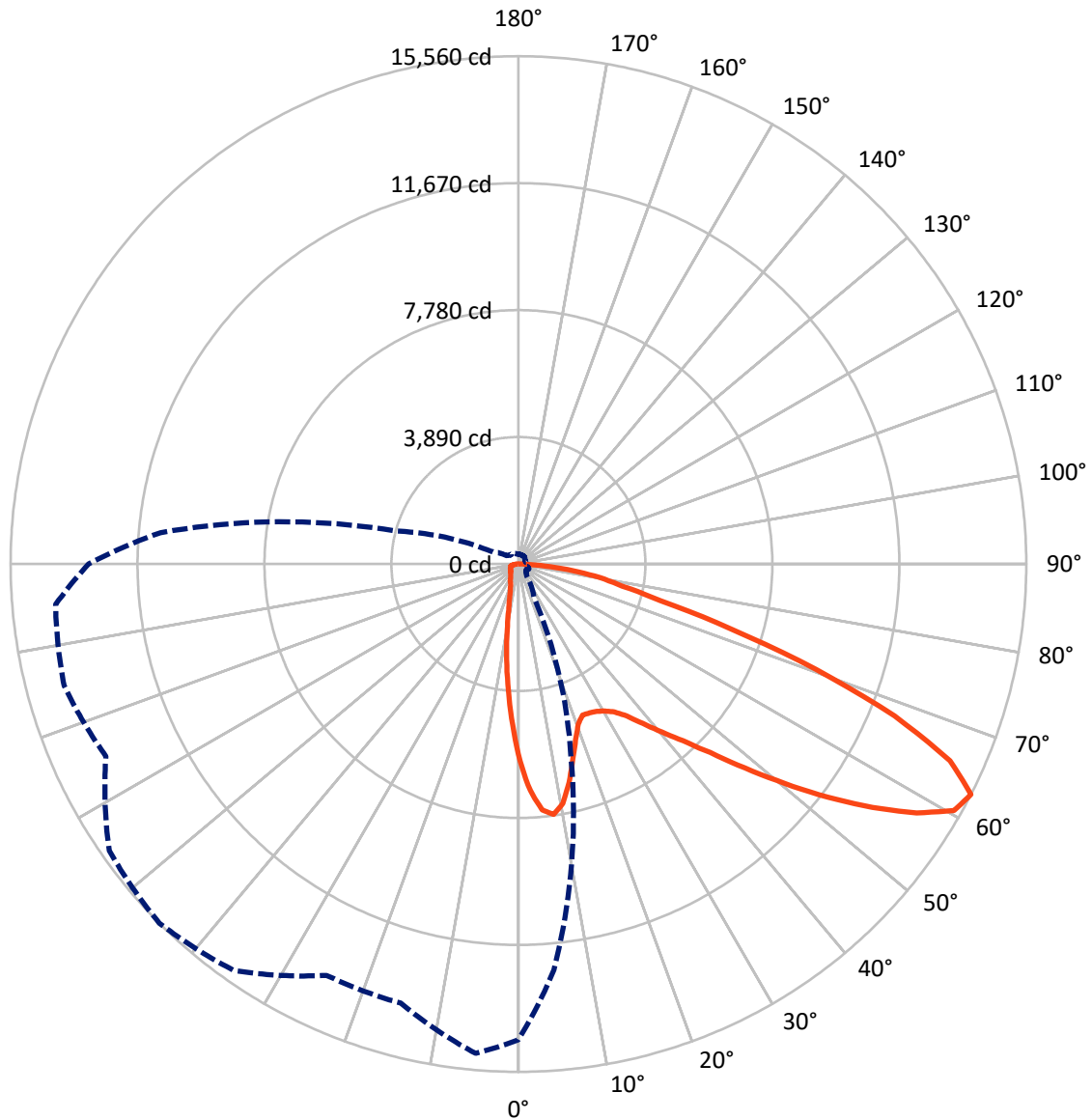
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P268614
CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2963.7	0.0	2963.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	14945.4	0.0	14945.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	17909.1	0.0	17909.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.5	2.5
10°-20°	807.7	4.5
20°-30°	1177.6	6.6
30°-40°	1813.7	10.1
40°-50°	2669.3	14.9
50°-60°	3915.2	21.9
60°-70°	4376.7	24.4
70°-80°	2142.8	12.0
80°-90°	565.7	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°	17909.1	100.0
0°-180°	17909.1	100.0

Coefficient of Utilization



REPORT NUMBER: P268614

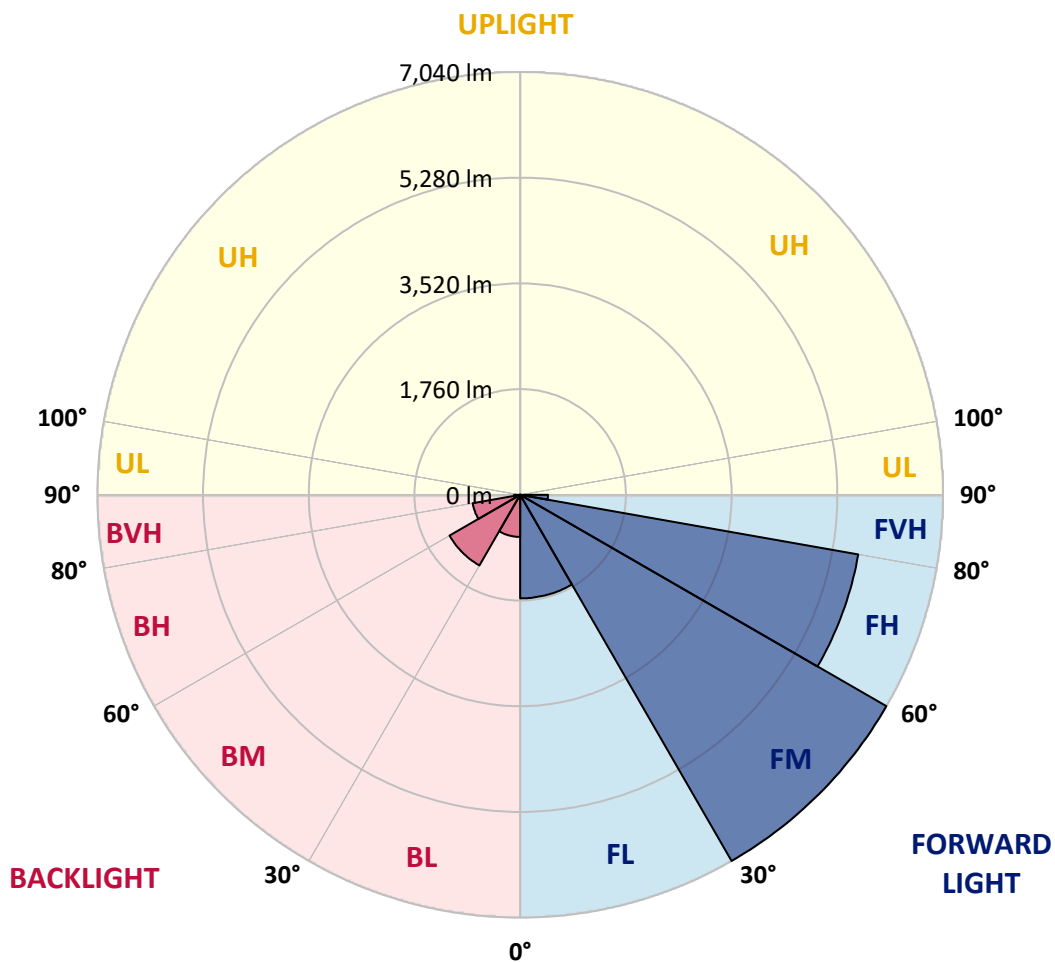
CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1724.6	9.6			
FM	(30°-60°)	7040.2	39.3			
FH	(60°-80°)	5716.0	31.9			G3/7500
FVH	(80°-90°)	464.6	2.6			G3/500
BL	(0°-30°)	701.2	3.9	B2/1000		
BM	(30°-60°)	1357.9	7.6	B2/2500		
BH	(60°-80°)	803.5	4.5	B2/1000		G2/1000
BVH	(80°-90°)	101.1	0.6			G2/225
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





REPORT NUMBER: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7
2.5°	6287.0	6159.0	5946.3	5724.8	5590.0	5432.4	5309.3	5201.0	4984.4	4942.1	4980.6
5°	5911.8	5654.9	5254.1	4850.6	4581.9	4293.4	4069.0	3888.8	3614.1	3565.8	3623.9
7.5°	5310.3	5003.2	4473.5	3958.7	3578.6	3218.3	2976.2	2783.2	2568.6	2476.0	2481.8
10°	4791.5	4445.0	3818.9	3258.6	2947.6	2704.3	2500.6	2302.7	2085.1	1942.3	1903.0
12.5°	4501.0	4102.4	3380.7	2880.7	2592.1	2336.2	2116.6	1904.9	1672.6	1526.8	1485.5
15°	4450.8	4017.7	3216.3	2638.4	2277.2	1953.3	1694.4	1457.9	1218.8	1100.7	1076.0
17.5°	4668.4	4169.4	3163.1	2422.8	1980.9	1581.0	1263.0	999.3	804.3	745.2	740.4
20°	5085.8	4460.8	3156.3	2220.0	1688.5	1219.8	880.1	688.1	602.6	585.8	586.8
22.5°	5671.5	4912.7	3240.9	2067.4	1419.6	909.7	661.6	576.0	542.4	526.6	526.6
25°	6429.7	5534.7	3435.8	1956.1	1186.3	726.5	583.8	532.6	501.2	490.3	492.2
27.5°	7164.2	6140.3	3662.3	1868.6	1033.7	659.6	553.3	507.1	479.4	468.6	473.5
30°	7737.1	6677.8	3851.4	1749.4	955.9	640.9	564.1	516.9	477.4	460.7	461.6
32.5°	8211.5	7148.4	4009.9	1663.8	887.0	549.4	486.3	465.6	460.7	441.1	431.1
35°	8818.0	7661.3	4116.2	1665.7	854.6	490.3	433.2	396.7	370.2	347.6	347.6
37.5°	9528.9	8250.0	4229.4	1688.5	842.7	455.8	414.5	378.0	353.5	331.7	327.8
40°	10231.8	8826.9	4332.7	1710.1	835.9	435.1	399.7	366.1	343.6	322.0	316.1
42.5°	10829.3	9301.4	4425.3	1721.0	812.2	433.2	388.8	358.3	336.7	313.1	307.2
45°	11271.5	9699.2	4524.8	1737.6	788.6	441.1	388.8	357.3	330.8	308.2	302.2
47.5°	11666.2	10165.8	4691.0	1737.6	760.1	426.2	401.6	358.3	329.8	306.2	301.2
50°	12194.9	10805.7	5006.2	1697.3	719.6	410.5	423.3	354.4	321.0	302.2	296.4
52.5°	12923.3	11625.9	5506.3	1627.4	657.6	380.1	420.3	352.4	312.2	292.4	285.5
55°	13784.9	12504.0	6051.6	1545.7	565.2	358.3	405.7	347.6	302.2	280.6	273.8
57.5°	14457.2	13108.4	6435.5	1419.6	484.4	346.6	359.3	342.7	290.4	267.8	261.9
60°	14724.9	13084.8	6540.9	1251.2	445.0	336.7	314.0	383.9	280.6	258.0	251.0
62.5°	14580.2	12480.3	6245.6	1133.1	436.1	323.8	294.4	355.4	272.6	251.0	241.3
65°	13911.8	11409.3	5463.0	1101.6	461.6	311.2	281.6	278.7	261.9	241.3	231.4
67.5°	12455.7	9808.5	4374.0	1104.6	494.2	298.2	268.8	254.9	247.2	230.3	221.5
70°	10145.2	7754.8	3260.6	1112.6	511.0	283.5	254.9	240.1	231.4	214.7	208.6
72.5°	7459.4	5976.9	2368.7	1061.3	513.9	266.7	236.3	223.5	214.7	196.9	192.0
75°	5103.6	4572.0	1643.1	879.1	448.0	243.3	215.7	203.7	197.8	176.2	173.3
77.5°	3728.2	3432.0	1051.5	652.7	345.6	213.6	190.0	181.2	177.2	153.6	149.7
80°	2991.9	2715.1	657.6	446.9	253.1	179.2	159.4	154.6	150.6	127.0	124.1
82.5°	2075.4	1818.3	422.4	290.4	190.0	138.8	126.0	124.1	118.1	96.5	93.6
85°	1094.8	987.4	267.8	197.8	137.8	95.5	87.7	87.7	84.7	64.0	62.1
87.5°	139.7	227.5	135.9	103.3	75.7	42.3	42.3	41.3	44.2	36.4	31.5
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: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7
2.5°	4890.0	4937.3	4891.9	4894.9	4945.1	5094.6	5162.6	5218.8	5278.8	5318.1	5335.9
5°	3544.2	3654.5	3691.9	3770.5	3886.7	4077.8	4153.6	4208.6	4245.1	4266.8	4275.7
7.5°	2423.7	2490.7	2565.6	2692.6	2945.6	3057.8	3108.0	3095.2	3053.9	3039.1	3024.4
10°	1827.2	1800.7	1786.9	1856.7	2061.5	2174.7	2210.2	2175.8	2153.1	2158.0	2182.6
12.5°	1415.6	1369.5	1313.3	1305.4	1440.3	1541.8	1564.4	1566.4	1607.6	1644.1	1698.2
15°	1031.8	1026.9	999.3	982.6	1059.3	1142.0	1151.8	1169.6	1207.1	1233.6	1280.9
17.5°	727.5	754.0	775.7	786.6	844.6	903.8	892.9	884.0	877.1	877.1	899.8
20°	586.8	604.5	632.0	663.6	722.5	764.0	737.4	701.9	676.3	668.5	671.5
22.5°	528.7	542.4	558.1	585.8	639.0	667.5	639.0	613.4	587.8	578.9	576.0
25°	499.2	516.9	531.6	552.3	591.7	611.3	583.8	565.2	549.4	538.5	530.7
27.5°	482.4	498.1	502.2	511.9	545.5	563.1	549.4	541.5	531.6	521.7	511.9
30°	464.7	461.6	454.8	455.8	482.4	500.1	499.2	501.2	500.1	497.1	495.1
32.5°	424.3	418.4	412.5	418.4	443.0	458.8	459.8	463.6	463.6	462.6	470.6
35°	353.5	364.3	371.2	388.8	418.4	432.2	426.2	416.5	398.7	387.9	386.9
37.5°	326.9	328.8	340.6	365.3	397.7	410.5	401.6	379.1	367.1	365.3	368.1
40°	314.0	316.1	322.9	345.6	378.0	390.9	382.9	366.1	355.4	354.4	359.3
42.5°	305.2	307.2	311.2	326.9	353.5	369.2	370.2	358.3	345.6	346.6	351.4
45°	300.3	301.2	300.3	308.2	332.7	351.4	359.3	351.4	340.6	342.7	348.5
47.5°	299.2	296.4	292.4	294.4	319.9	338.8	348.5	345.6	340.6	342.7	347.6
50°	295.4	288.4	283.5	282.5	308.2	327.8	336.7	336.7	338.8	342.7	347.6
52.5°	283.5	275.7	275.7	272.6	300.3	319.0	324.8	325.8	328.8	335.6	342.7
55°	268.8	265.8	268.8	263.8	294.4	312.2	315.0	317.0	319.0	324.8	334.7
57.5°	255.9	252.1	258.9	256.9	289.4	305.2	305.2	309.1	309.1	317.0	324.8
60°	249.1	241.3	244.2	246.1	282.5	299.2	297.2	301.2	303.2	310.2	316.1
62.5°	240.1	233.3	233.3	238.2	274.7	290.4	289.4	292.4	300.3	302.2	308.2
65°	229.3	226.5	223.5	229.3	266.7	280.6	281.6	285.5	292.4	294.4	299.2
67.5°	218.6	219.5	213.6	219.5	259.9	270.7	270.7	278.7	281.6	285.5	290.4
70°	206.7	207.7	202.7	209.8	254.9	259.9	258.9	269.8	271.6	274.7	279.6
72.5°	192.0	192.0	190.0	199.9	247.2	249.1	247.2	255.9	256.9	259.9	261.9
75°	176.2	176.2	174.2	188.0	242.3	237.2	231.4	238.2	240.1	242.3	242.3
77.5°	155.5	157.6	157.6	174.2	225.5	232.3	212.7	216.6	219.5	220.5	217.6
80°	130.0	134.8	136.8	158.6	189.1	214.7	190.0	193.0	193.9	193.9	190.0
82.5°	99.4	108.2	113.2	136.8	144.7	180.2	165.4	168.3	165.4	159.4	157.6
85°	68.9	80.8	86.6	104.4	109.2	138.8	137.8	137.8	132.0	124.1	123.1
87.5°	37.4	44.2	48.2	62.1	74.7	93.6	101.4	98.5	93.6	88.7	89.7
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: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7
2.5°	5428.5	5562.3	5776.0	5939.5	6103.9	6262.4	6433.7	6564.5	6675.8	6719.1	6851.1
5°	4365.3	4532.6	4734.3	5098.7	5356.7	5641.0	5970.0	6405.1	6572.4	6803.9	7182.8
7.5°	3086.3	3238.0	3562.9	3857.2	4222.5	4625.2	5069.1	5669.7	5889.2	6260.4	6877.7
10°	2304.7	2480.8	2741.7	2989.9	3311.8	3723.4	4233.4	4904.7	5171.5	5574.2	6284.9
12.5°	1856.7	2064.5	2341.2	2574.5	2823.6	3114.0	3609.1	4345.6	4702.8	5055.3	5774.0
15°	1426.5	1644.1	1901.1	2197.3	2472.0	2785.1	3304.0	4109.2	4520.8	4887.9	5501.3
17.5°	987.4	1173.5	1497.5	1806.5	2158.0	2558.7	3219.3	4159.4	4650.7	5074.0	5548.7
20°	700.0	806.3	1072.0	1430.5	1868.6	2371.6	3203.5	4423.3	5062.2	5545.5	5851.7
22.5°	588.7	628.2	782.7	1111.6	1617.5	2231.7	3258.6	4793.4	5617.6	6234.7	6335.1
25°	536.6	560.2	640.9	872.3	1394.0	2130.4	3444.7	5344.7	6304.7	6923.9	6906.2
27.5°	508.0	532.6	585.8	736.4	1225.6	2067.4	3630.8	5998.5	7090.3	7672.2	7451.6
30°	499.2	532.6	588.7	694.1	1105.5	1967.9	3783.4	6572.4	7694.7	8177.1	7699.6
32.5°	492.2	497.1	522.8	598.6	991.4	1851.9	3886.7	7087.3	8286.4	8657.5	8057.1
35°	397.7	422.4	463.6	536.6	924.4	1781.9	3886.7	7531.3	8869.2	9142.9	8397.6
37.5°	382.9	404.6	441.1	503.1	887.0	1747.5	3809.0	7959.6	9464.8	9693.3	8678.3
40°	375.1	392.7	427.2	477.4	871.3	1708.0	3695.7	8337.6	10046.6	10244.6	8940.1
42.5°	369.2	385.0	417.4	461.6	850.5	1664.7	3604.2	8640.8	10551.8	10715.2	9190.2
45°	366.1	382.9	418.4	469.6	809.3	1607.6	3573.6	8968.7	10967.1	11107.9	9460.9
47.5°	366.1	385.9	423.3	486.3	760.1	1548.6	3669.1	9400.9	11360.0	11428.9	9779.8
50°	363.3	385.0	437.1	469.6	688.1	1473.8	3893.7	9945.2	11785.4	11793.2	10183.5
52.5°	357.3	382.9	470.6	459.8	605.5	1375.3	4196.9	10644.2	12414.3	12461.6	10815.6
55°	350.5	380.1	461.6	437.1	537.5	1258.2	4445.0	11493.9	13298.5	13429.4	11744.9
57.5°	341.6	376.1	446.9	405.7	493.2	1107.5	4534.6	12116.1	13915.7	14244.6	12792.5
60°	333.7	373.2	403.7	386.9	465.6	980.5	4361.4	11993.0	13873.5	14582.2	13720.8
62.5°	325.8	376.1	368.1	375.1	452.8	898.8	3908.4	11007.6	13171.5	14233.7	14409.0
65°	317.0	349.5	347.6	365.3	450.0	866.3	3239.9	9529.8	11814.8	13132.1	14571.3
67.5°	305.2	322.9	332.7	352.4	459.8	837.8	2614.7	7861.2	9929.5	11481.1	13724.8
70°	292.4	307.2	318.0	336.7	453.9	825.1	2174.7	6199.4	7878.9	9409.7	12054.0
72.5°	275.7	288.4	298.2	316.1	448.0	818.0	1837.0	4992.3	5882.3	6989.8	9800.6
75°	255.9	267.8	274.7	292.4	429.2	749.1	1444.2	4224.4	4401.6	4862.3	7806.0
77.5°	233.3	242.3	248.1	267.8	380.1	623.2	1044.5	3258.6	3418.1	3530.3	5984.7
80°	206.7	215.7	218.6	237.2	315.0	487.3	681.3	2407.1	2556.8	2582.3	3908.4
82.5°	176.2	185.1	185.1	202.7	258.0	350.5	446.9	1649.0	1678.6	1765.2	2762.5
85°	141.8	148.7	148.7	157.6	199.9	261.9	307.2	828.0	819.1	935.2	2393.3
87.5°	101.4	106.3	111.2	113.2	142.7	173.3	185.1	252.1	166.4	191.0	1536.8
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: P268614

CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7027-600

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7	6050.7
2.5°	6950.5	7006.6	6949.5	6908.1	6729.9	6583.3	6387.4	6287.0
5°	7471.3	7614.0	7565.7	7392.5	7020.3	6602.0	6126.5	5911.8
7.5°	7408.2	7740.1	7747.9	7424.0	6875.6	6259.4	5615.6	5310.3
10°	6917.9	7342.2	7463.4	7149.3	6567.5	5878.4	5140.0	4791.5
12.5°	6370.6	6786.1	6878.6	6770.3	6284.0	5591.9	4842.8	4501.0
15°	5922.6	6108.7	6219.0	6313.5	6040.8	5477.7	4826.0	4450.8
17.5°	5650.0	5629.3	5660.8	5825.1	5871.5	5608.6	5081.9	4668.4
20°	5551.5	5235.5	5227.6	5454.1	5791.7	5920.6	5582.1	5085.8
22.5°	5605.7	5093.7	5028.7	5297.6	5834.0	6370.6	6237.7	5671.5
25°	5792.7	5105.5	5053.3	5313.3	5987.7	6850.0	6945.5	6429.7
27.5°	6087.1	5180.3	5111.4	5378.2	6191.5	7252.7	7642.6	7164.2
30°	6366.6	5310.3	5224.7	5506.3	6377.4	7412.3	8069.8	7737.1
32.5°	6706.3	5553.5	5402.9	5741.5	6607.9	7666.1	8450.9	8211.5
35°	7039.1	5900.1	5713.0	6104.8	6864.8	7982.2	8885.9	8818.0
37.5°	7404.3	6353.0	6198.3	6574.3	7216.3	8280.5	9441.2	9528.9
40°	7794.1	6953.4	6770.3	7259.7	7761.6	8654.6	10021.1	10231.8
42.5°	8187.1	7620.0	7401.3	7897.5	8361.2	9023.8	10517.3	10829.3
45°	8636.9	8343.5	8240.2	8776.7	8937.1	9375.3	10883.5	11271.5
47.5°	9160.6	9164.6	9331.0	9545.6	9518.0	9773.0	11251.7	11666.2
50°	9772.0	10189.5	10556.6	10699.4	10116.6	10200.3	11762.6	12194.9
52.5°	10506.4	11415.1	11869.9	11776.4	10761.4	10722.0	12571.9	12923.3
55°	11425.0	12712.6	13164.5	13097.6	11502.7	11432.9	13579.9	13784.9
57.5°	12488.1	13969.9	14385.3	14084.0	12392.7	12212.5	14413.8	14457.2
60°	13422.5	14966.1	15330.5	14996.7	13290.6	13042.5	14934.7	14724.9
62.5°	13942.4	15303.9	15559.8	15200.5	13905.9	13926.6	15048.9	14580.2
65°	13709.9	14450.2	14533.0	14503.5	13747.4	14439.4	14638.3	13911.8
67.5°	12438.0	12292.2	12431.1	12623.2	12388.7	13764.1	13501.3	12455.7
70°	10197.3	9396.9	9673.6	9802.6	9908.8	11844.3	11718.3	10145.2
72.5°	7684.9	6583.3	6801.8	6775.2	7267.5	9500.3	9113.3	7459.4
75°	5445.2	4463.7	4491.3	4480.3	5071.1	7432.8	6598.9	5103.6
77.5°	3810.0	3234.1	3248.8	3309.9	3409.2	5605.7	4714.8	3728.2
80°	2619.6	2454.3	2536.1	2540.9	2362.7	3765.6	3483.1	2991.9
82.5°	1951.3	1706.2	1686.4	1715.0	1851.9	3051.0	2676.8	2075.4
85°	1597.8	1010.1	812.2	1018.0	1641.2	3021.4	1777.9	1094.8
87.5°	899.8	479.4	216.6	401.6	654.7	2000.4	513.9	139.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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