

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: McGRAW-EDISON

Report Number: P269392

Luminaire Tested: **GLEON-AF-06-LED-E1-SL2-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-06-LED-E1-SL2-7027-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25619.6 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G4

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: 25 FT

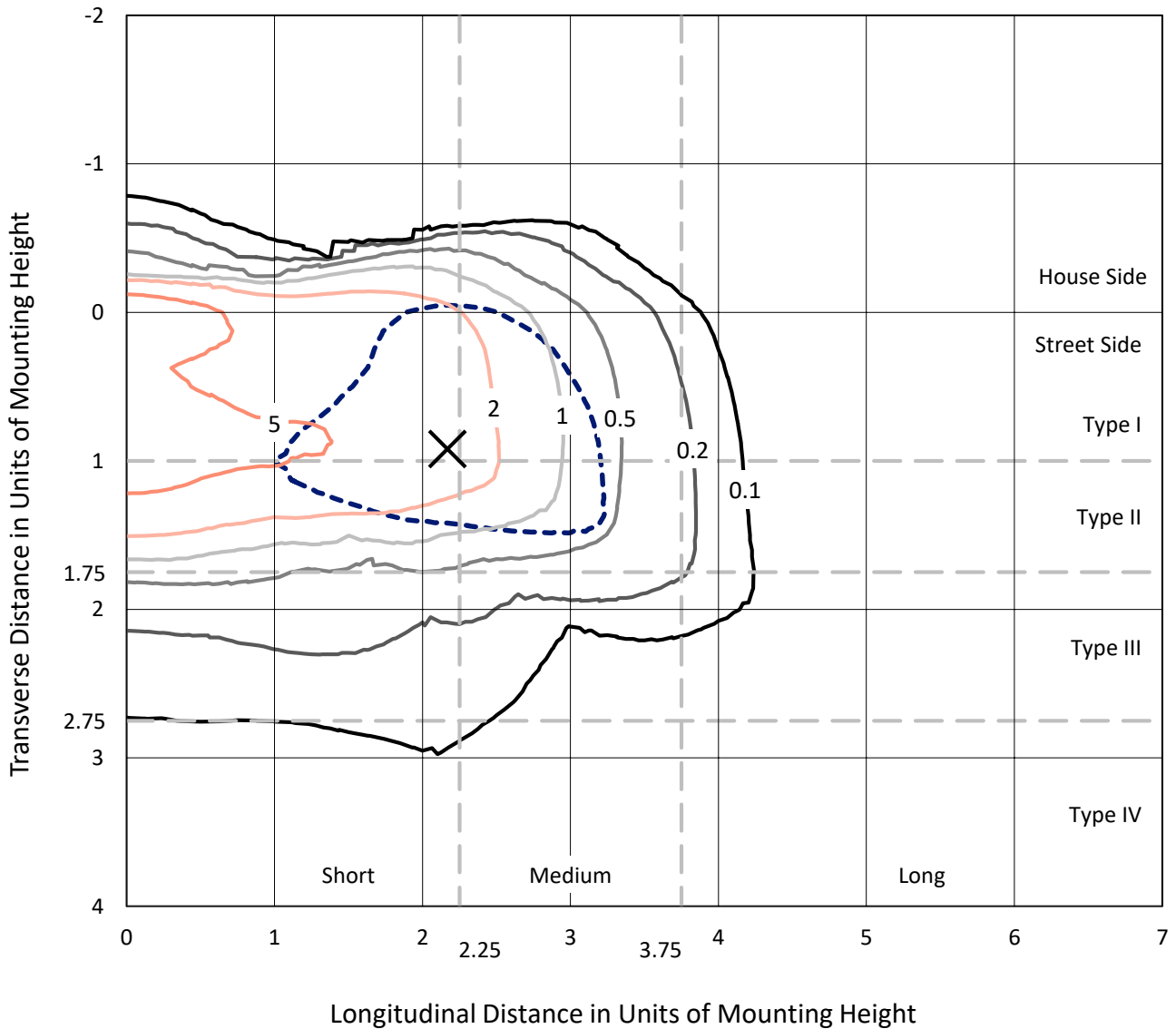


REPORT NUMBER: P269392

CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

Iso-Footcandle Lines of Horizontal Illumination

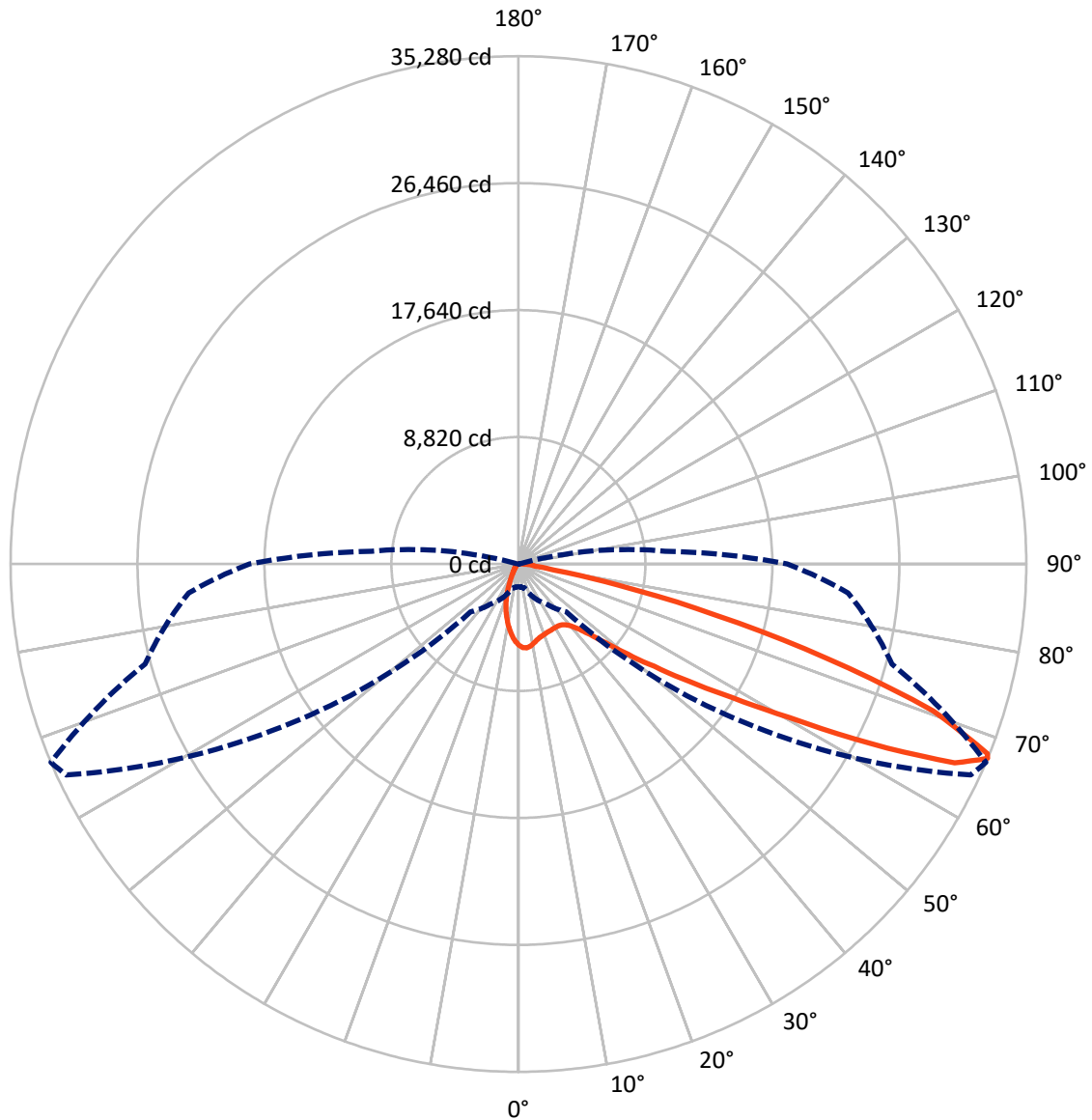
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P269392
CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P269392

CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

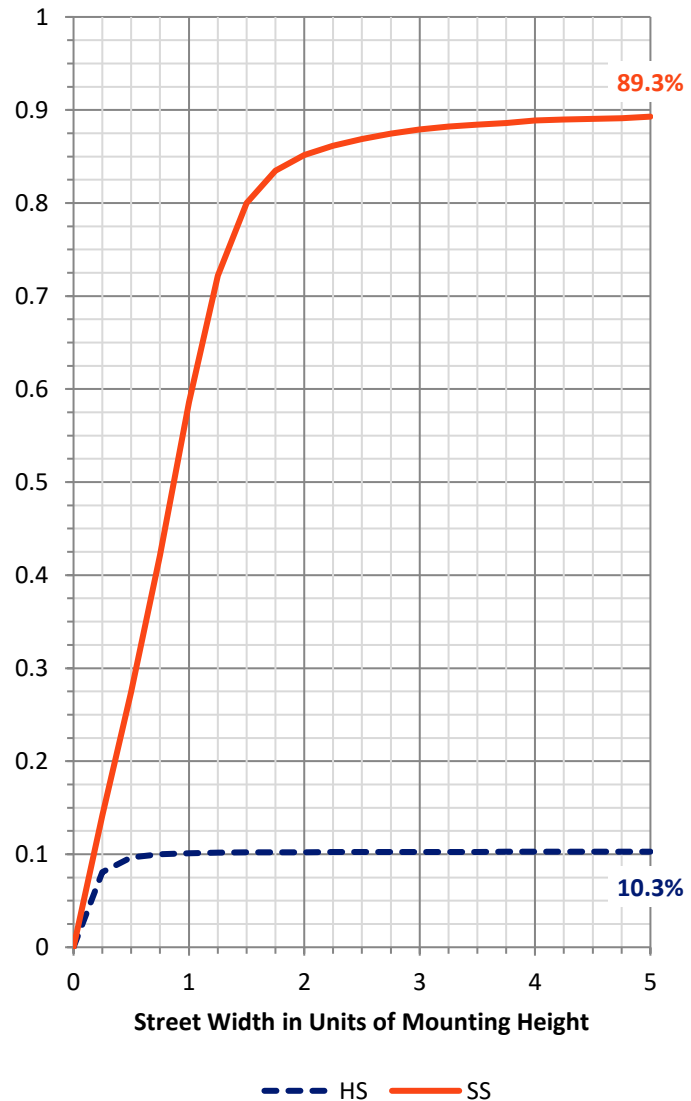
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2660.1	0.0	2660.1
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	22959.5	0.0	22959.5
	% Fixture	89.6	0.0	89.6
Total	Lumens	25619.6	0.0	25619.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.7	1.8
10°-20°	978.5	3.8
20°-30°	1422.6	5.6
30°-40°	2219.4	8.7
40°-50°	3931.5	15.3
50°-60°	6221.3	24.3
60°-70°	7125.6	27.8
70°-80°	2955.7	11.5
80°-90°	305.3	1.2
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°	25619.6	100.0
0°-180°	25619.6	100.0

Coefficient of Utilization



REPORT NUMBER: P269392

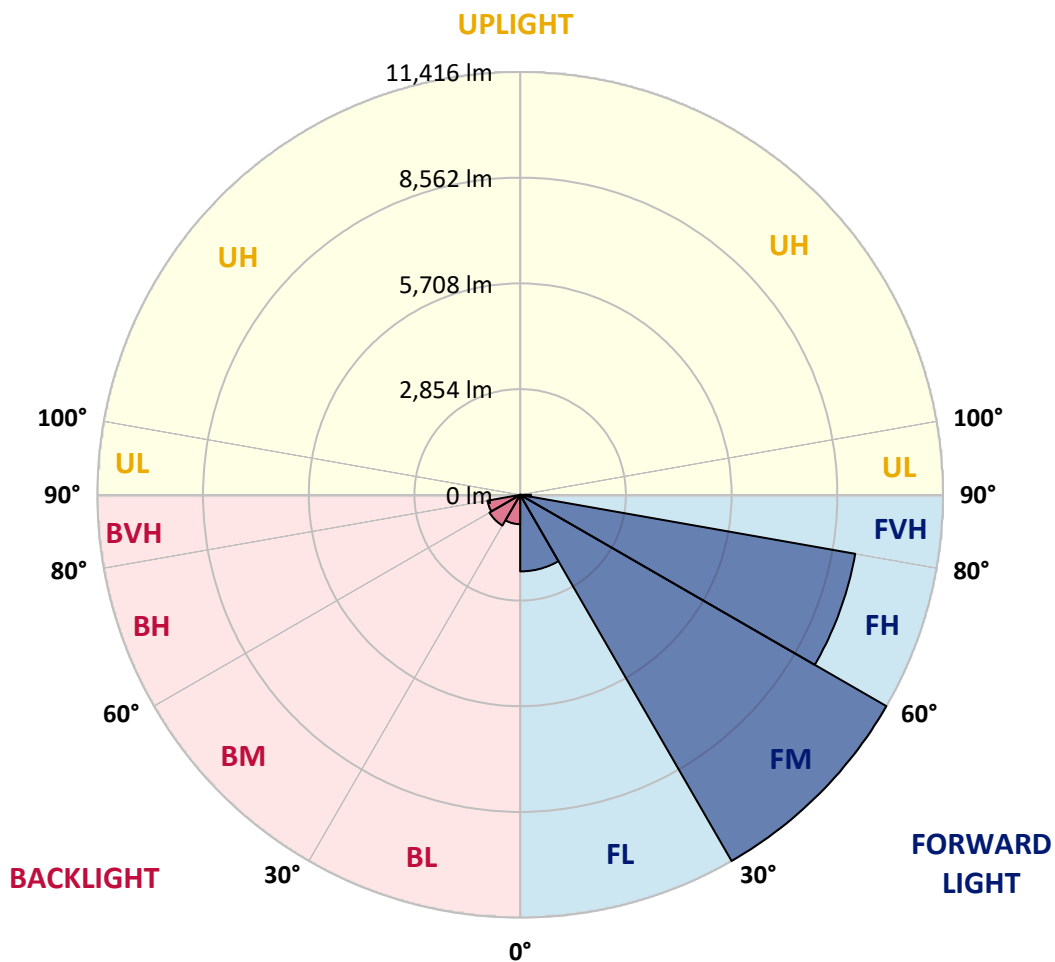
CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2067.1	8.1			
FM	(30°-60°)	11416.2	44.6			
FH	(60°-80°)	9184.7	35.9			G4/12000
FVH	(80°-90°)	291.6	1.1			G3/500
BL	(0°-30°)	793.8	3.1	B2/1000		
BM	(30°-60°)	956.0	3.7	B1/1000		
BH	(60°-80°)	896.5	3.5	B2/1000		G2/1000
BVH	(80°-90°)	13.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Short





REPORT NUMBER: P269392

CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1
2.5°	5841.4	5853.3	5851.7	5860.8	5881.7	5883.2	5862.2	5821.9	5812.9	5760.7	5669.6
5°	5387.0	5421.5	5442.3	5527.5	5623.2	5738.3	5824.9	5856.3	5851.7	5814.5	5677.0
7.5°	4868.5	4902.9	4926.8	5026.9	5153.9	5351.3	5576.9	5762.2	5778.5	5819.0	5671.0
10°	4523.3	4529.3	4562.2	4657.8	4790.8	4992.6	5261.6	5585.8	5635.2	5783.1	5656.1
12.5°	4239.5	4244.0	4287.3	4390.3	4532.3	4735.5	5017.9	5393.1	5469.2	5738.3	5653.0
15°	4037.7	4054.1	4092.9	4200.6	4351.5	4553.1	4843.1	5251.1	5342.2	5721.8	5680.0
17.5°	3970.5	3988.4	4000.3	4078.0	4215.4	4412.7	4710.2	5158.4	5261.6	5730.7	5732.3
20°	4040.7	4054.1	4027.2	4046.7	4131.8	4308.1	4598.1	5079.2	5201.7	5741.2	5799.5
22.5°	4302.3	4308.1	4234.9	4149.8	4134.8	4231.9	4509.9	5016.4	5147.9	5769.6	5878.7
25°	4750.4	4740.0	4620.5	4436.6	4263.4	4218.5	4457.6	4977.6	5121.1	5799.5	5961.0
27.5°	5291.5	5306.4	5142.0	4874.6	4544.3	4308.1	4450.2	4961.2	5109.1	5820.4	6032.6
30°	5948.9	5969.9	5781.6	5445.3	4971.6	4529.3	4518.8	4958.1	5101.7	5807.0	6038.5
32.5°	6619.9	6645.3	6497.4	6150.6	5542.5	4900.0	4674.3	4991.1	5116.6	5760.7	6004.2
35°	7322.3	7358.0	7259.5	6962.1	6316.5	5434.8	4947.8	5091.2	5186.9	5756.2	5969.9
37.5°	8292.1	8325.0	8139.6	7824.3	7253.5	6152.1	5387.0	5279.5	5352.7	5827.9	5978.8
40°	9740.1	9735.7	9257.5	8774.7	8283.1	7063.7	6004.2	5620.2	5657.5	6044.5	6089.4
42.5°	11318.0	11310.6	10603.9	9870.0	9426.3	8186.0	6815.6	6208.9	6183.6	6443.5	6376.3
45°	12534.5	12533.0	11956.1	11129.8	10802.5	9474.1	7864.8	7027.8	6989.1	7092.1	6905.4
47.5°	13053.0	13062.0	12772.0	12190.8	12328.2	11216.4	9187.1	8214.3	8156.2	8114.2	7830.3
50°	12649.6	12667.4	12691.3	12577.8	13447.4	13558.1	10960.8	9886.4	9858.1	9671.3	9227.5
52.5°	11331.5	11422.7	11703.6	12063.8	13836.1	15805.6	13741.9	11963.6	11811.3	11612.5	11123.8
55°	9110.9	9211.1	9744.5	10618.8	13257.7	17282.0	17639.1	14641.5	14387.4	13794.2	13088.8
57.5°	6029.7	6185.0	6959.1	8070.9	11578.1	17519.6	21527.3	18357.9	17473.2	15848.8	15053.8
60°	3321.9	3471.3	4311.1	5318.3	8362.3	16345.0	24142.5	23196.6	21633.4	18145.7	17440.4
62.5°	2045.7	2126.5	2746.6	3683.5	5015.0	12900.6	24683.4	29277.0	27467.4	21103.0	20323.0
65°	1628.8	1663.2	1966.5	3011.1	3595.3	7673.4	22936.6	33912.4	33308.7	24683.4	22903.6
67°	1580.9	1594.4	1738.0	2585.2	3389.1	4704.2	19215.6	34667.0	35279.7	26850.2	22984.4
67.5°	1591.4	1606.3	1742.4	2467.1	3383.1	4323.2	17933.5	34369.6	35143.8	27022.1	22627.1
70°	1534.7	1580.9	1995.0	2465.7	3217.3	3592.4	10739.7	29779.1	30584.6	25107.7	19199.1
72.5°	544.0	546.9	862.3	1995.0	3498.2	3631.2	5393.1	21830.7	22426.9	19206.7	13842.1
75°	322.9	274.9	286.9	567.9	3342.9	3526.7	3111.2	13949.6	14172.2	11005.8	7010.0
77.5°	222.7	194.3	200.2	251.0	1273.2	3477.2	2471.6	7274.5	7036.9	3859.8	1492.9
80°	127.0	112.1	119.6	219.6	463.3	3244.1	2331.1	2949.9	2515.0	654.5	412.4
82.5°	67.3	56.9	68.7	180.7	322.9	2021.8	2335.7	1425.6	1129.7	221.2	280.9
85°	24.0	19.5	32.9	124.1	215.1	620.1	2165.3	1198.5	941.5	107.5	213.6
87.5°	4.5	4.5	13.5	50.8	86.6	189.8	1280.7	711.3	476.7	64.3	146.5
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: P269392

CATALOG NUMBER: GLEON-AF-06-LED-E1-SL2-7027-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1	5650.1
2.5°	5632.2	5567.9	5481.2	5375.1	5249.5	5139.1	5056.7	4971.6	4953.8	4923.8	4919.4
5°	5594.7	5484.2	5269.0	5022.5	4759.4	4521.9	4329.1	4157.3	4081.0	4015.2	4007.8
7.5°	5539.5	5373.7	5007.5	4610.0	4199.0	3825.5	3508.7	3284.6	3078.3	2979.7	2964.8
10°	5475.2	5237.7	4713.1	4161.7	3593.8	3066.4	2595.7	2201.1	1962.1	1820.1	1802.2
12.5°	5415.4	5104.7	4412.7	3697.0	2942.4	2237.0	1631.9	1255.2	1004.1	902.5	890.6
15°	5387.0	4997.0	4131.8	3221.9	2260.9	1424.2	892.0	690.3	608.2	584.3	582.8
17.5°	5384.1	4906.0	3856.9	2730.2	1584.0	827.9	581.4	530.4	514.0	508.1	508.1
20°	5382.6	4819.2	3581.9	2220.6	1005.7	551.4	484.1	472.1	460.2	452.7	452.7
22.5°	5399.1	4741.6	3295.1	1700.5	633.7	446.7	425.8	413.8	398.9	388.5	387.0
25°	5415.4	4681.7	3002.1	1210.3	458.8	388.5	367.5	351.1	330.2	316.8	315.3
27.5°	5418.4	4607.0	2688.3	809.9	384.0	339.2	312.3	286.9	263.1	249.5	248.0
30°	5373.7	4481.6	2340.2	546.9	339.2	294.4	258.5	231.7	209.2	198.7	198.7
32.5°	5285.4	4326.1	1957.5	412.4	301.9	252.6	213.6	188.3	173.4	168.8	167.4
35°	5206.2	4158.8	1564.6	349.7	270.5	213.6	174.8	158.5	149.5	148.0	146.5
37.5°	5160.0	4024.2	1195.5	316.8	240.6	179.3	148.0	136.0	131.5	128.5	130.1
40°	5195.7	3912.2	883.2	290.0	210.7	149.5	125.6	119.6	115.1	113.5	113.5
42.5°	5352.7	3892.7	656.0	266.0	182.3	124.1	109.1	104.7	101.6	100.2	101.6
45°	5765.1	4012.3	509.6	243.6	153.9	104.7	92.6	91.2	89.7	89.7	89.7
47.5°	6385.3	4258.9	424.4	218.2	128.5	89.7	80.7	79.2	77.8	79.2	79.2
50°	7435.8	4710.2	379.5	192.7	106.1	76.1	68.7	68.7	68.7	68.7	70.2
52.5°	9033.3	5597.8	349.7	167.4	86.6	64.3	58.3	58.3	59.7	59.7	61.3
55°	10813.0	6775.2	322.9	141.9	73.2	53.8	47.8	49.2	50.8	52.3	52.3
57.5°	12743.6	8079.9	300.4	116.6	62.7	43.4	40.3	41.9	43.4	46.4	46.4
60°	15073.3	9492.0	267.4	91.2	52.3	34.3	31.4	34.3	38.8	41.9	43.4
62.5°	17631.7	10857.9	225.7	71.8	43.4	26.9	25.4	31.4	37.4	40.3	41.9
65°	19380.0	11286.7	173.4	58.3	32.9	19.5	20.9	28.3	35.8	40.3	40.3
67°	18671.7	10233.2	141.9	49.2	26.9	14.9	19.5	28.3	35.8	38.8	40.3
67.5°	18180.1	9820.7	136.0	47.8	25.4	14.9	19.5	28.3	35.8	40.3	40.3
70°	14792.4	7377.5	113.5	35.8	20.9	13.5	16.3	26.9	34.3	38.8	38.8
72.5°	10278.0	4548.7	101.6	25.4	18.0	11.9	14.9	25.4	32.9	37.4	38.8
75°	4886.5	1646.8	86.6	19.5	16.3	10.5	13.5	25.4	32.9	37.4	37.4
77.5°	996.7	382.6	70.2	16.3	13.5	10.5	11.9	24.0	31.4	35.8	35.8
80°	327.3	148.0	52.3	14.9	13.5	10.5	11.9	22.4	31.4	34.3	35.8
82.5°	236.2	74.6	34.3	14.9	13.5	10.5	10.5	22.4	30.0	34.3	34.3
85°	180.7	52.3	22.4	14.9	13.5	10.5	10.5	20.9	28.3	32.9	32.9
87.5°	119.6	20.9	18.0	14.9	13.5	10.5	10.5	20.9	26.9	31.4	32.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)