

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: P193034

Luminaire Tested: **GLEON-AF-06-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193034
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: McGRAW-EDISON
Catalog Number: GLEON-AF-06-LED-E1-SLL-7030
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA 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: 30258.2 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

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



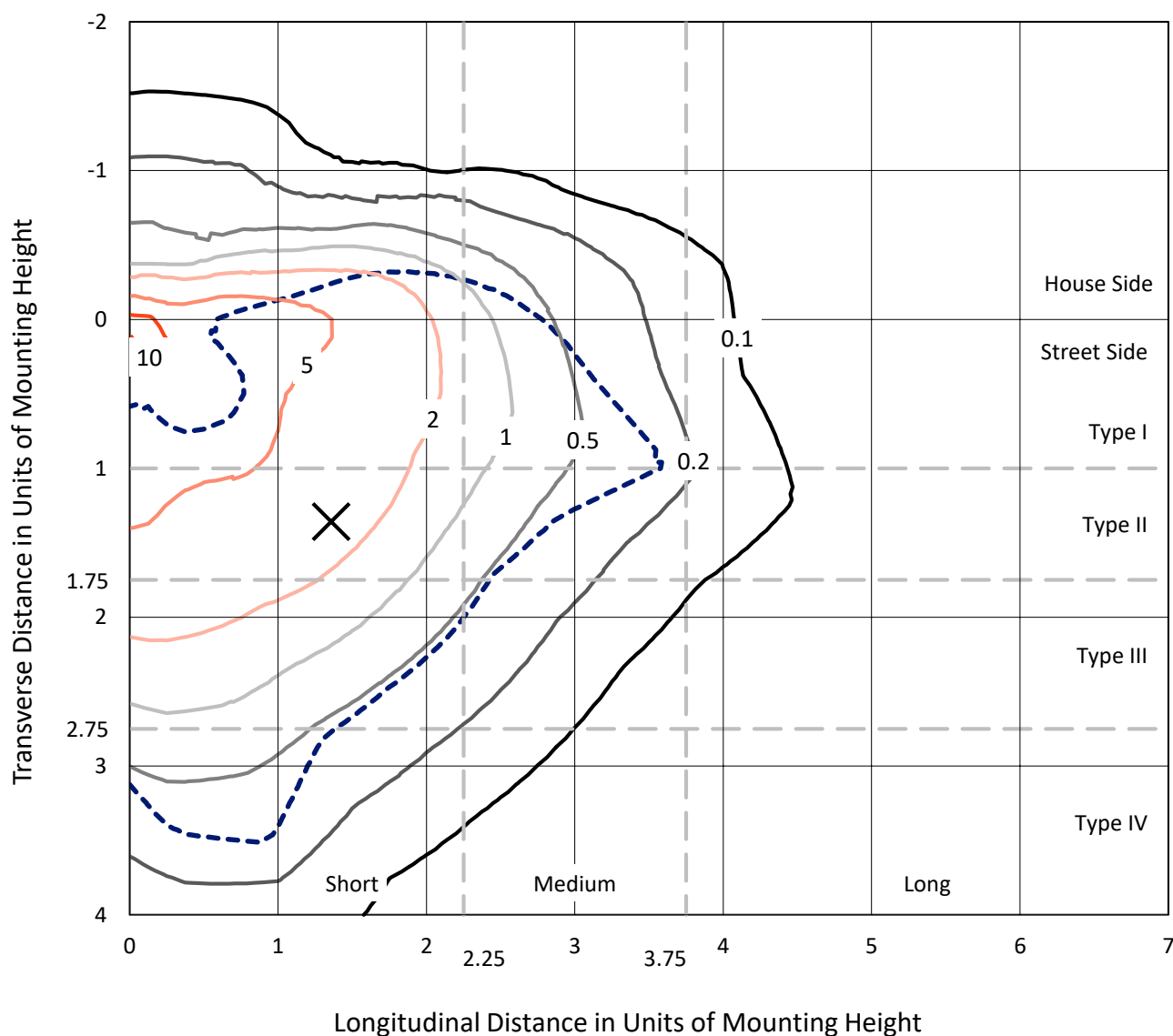
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

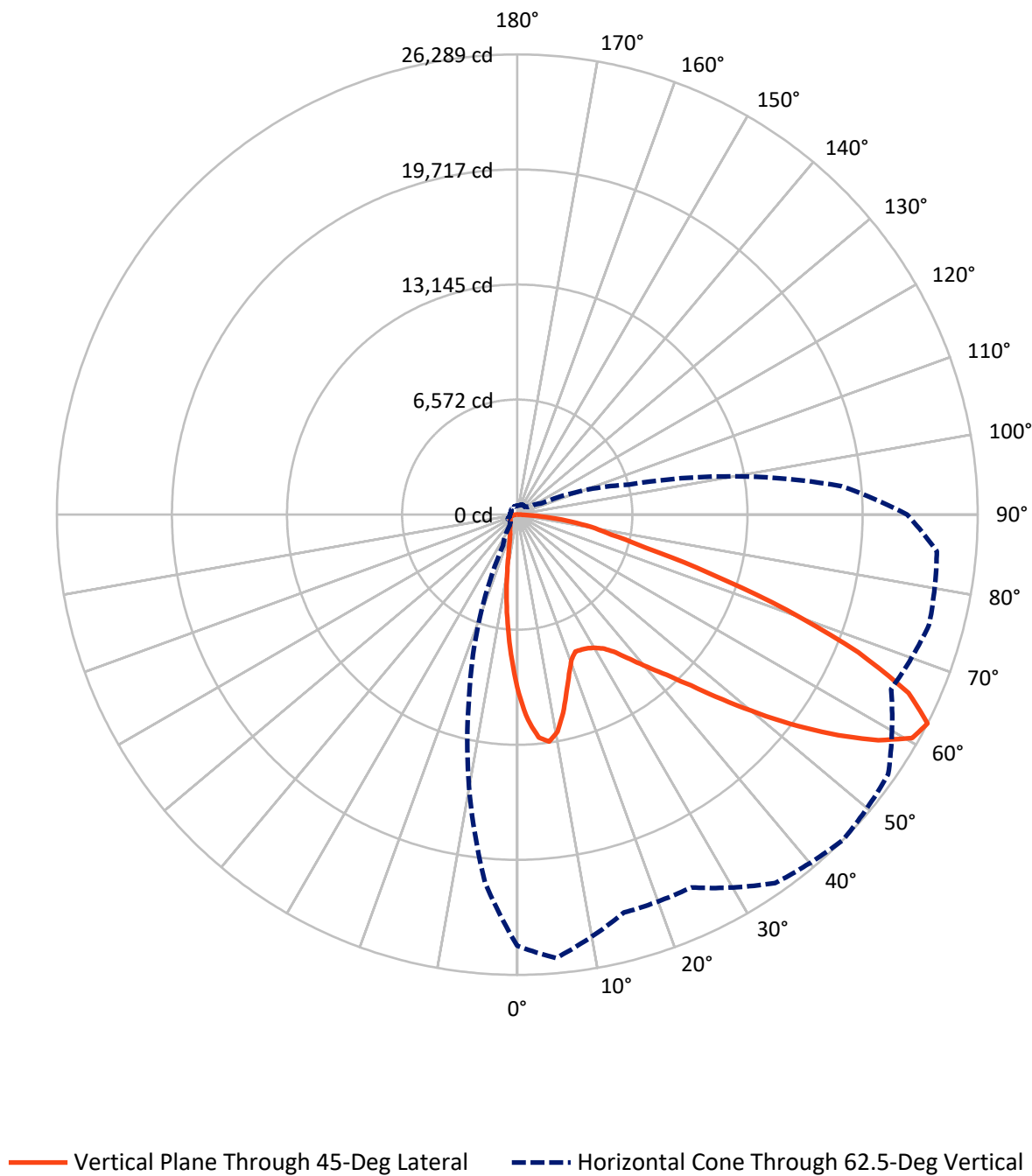


Based on 30 foot mounting height. Maximum calculated value = 13.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5007.3	0.0	5007.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	25250.9	0.0	25250.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	30258.2	0.0	30258.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.2	2.5
10°-20°	1364.6	4.5
20°-30°	1989.6	6.6
30°-40°	3064.3	10.1
40°-50°	4509.8	14.9
50°-60°	6615.0	21.9
60°-70°	7394.6	24.4
70°-80°	3620.3	12.0
80°-90°	955.8	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°	30258.2	100.0
0°-180°	30258.2	100.0

Coefficient of Utilization



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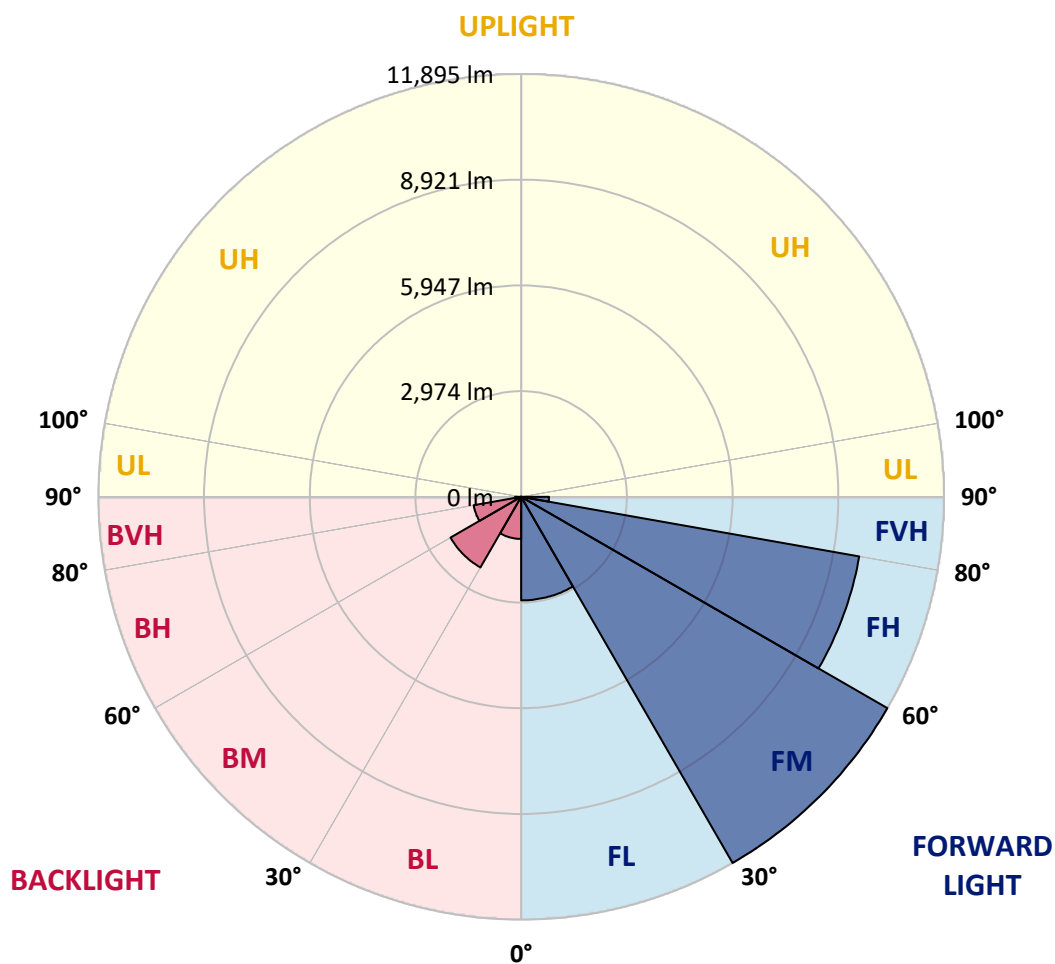
CATALOG NUMBER: GLEON-AF-06-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2913.8	9.6			
FM	(30°-60°)	11894.8	39.3			
FH	(60°-80°)	9657.4	31.9			G4/12000
FVH	(80°-90°)	785.0	2.6			G5
BL	(0°-30°)	1184.7	3.9	B3/2500		
BM	(30°-60°)	2294.3	7.6	B2/2500		
BH	(60°-80°)	1357.5	4.5	B3/2500		G3/2500
BVH	(80°-90°)	170.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	10622.0	10791.7	11122.7	11370.6	11671.6	11741.5	11838.0	11743.1	11575.2	11352.2	11279.1
5°	9988.4	10350.9	11154.4	11861.3	12490.0	12782.8	12864.3	12623.0	12135.8	11495.2	11104.4
7.5°	8972.1	9487.6	10575.5	11616.8	12543.2	13090.5	13077.1	12516.6	11620.0	10577.2	9950.1
10°	8095.4	8684.3	9931.7	11096.2	12079.1	12609.7	12405.2	11688.2	10618.8	9417.8	8737.5
12.5°	7604.8	8182.0	9447.7	10617.0	11438.8	11621.7	11465.3	10763.4	9755.4	8541.3	7945.8
15°	7520.0	8153.7	9254.8	10206.2	10667.0	10507.4	10320.9	10006.6	9294.6	8258.5	7638.1
17.5°	7887.5	8586.1	9476.0	9920.2	9842.0	9564.2	9510.9	9545.9	9374.6	8572.8	7857.6
20°	8592.8	9431.1	10003.3	9785.4	9214.9	8832.3	8845.6	9379.6	9886.9	9369.5	8553.0
22.5°	9582.5	10538.9	10763.4	9857.0	8950.4	8496.3	8606.2	9471.0	10703.6	10533.9	9491.1
25°	10863.2	11734.9	11573.5	10116.5	8977.1	8537.9	8626.0	9787.1	11668.4	11698.3	10652.0
27.5°	12104.1	12912.5	12253.8	10460.7	9086.8	8636.1	8752.4	10284.5	12589.8	12962.4	11979.4
30°	13072.3	13634.4	12523.3	10775.1	9303.1	8827.4	8972.1	10756.8	13009.0	13815.8	13000.6
32.5°	13873.8	14278.1	12952.3	11164.3	9700.6	9128.4	9382.8	11330.6	13612.7	14627.4	14000.3
35°	14898.5	15013.4	13486.3	11598.4	10314.4	9652.3	9968.4	11892.9	14188.3	15447.4	14985.0
37.5°	16099.5	15951.5	13990.3	12192.2	11107.8	10472.4	10733.5	12509.9	14662.3	16377.2	15991.3
40°	17287.1	16931.2	14622.3	13113.8	12265.5	11438.8	11748.1	13168.7	15104.8	17308.7	16974.4
42.5°	18296.7	17769.4	15246.1	14126.6	13343.3	12504.9	12874.2	13832.3	15527.3	18103.7	17827.7
45°	19043.6	18388.3	15840.0	15099.7	14828.6	13922.2	14096.7	14592.4	15984.6	18767.5	18529.6
47.5°	19710.6	19010.2	16512.0	16081.1	16127.8	15765.1	15484.0	15477.3	16523.6	19309.7	19193.2
50°	20603.8	19873.6	17233.8	17092.4	18077.2	17835.9	17215.6	16510.2	17205.6	19925.1	19911.9
52.5°	21834.6	21240.8	18115.4	18182.0	19896.8	20054.9	19286.5	17751.2	18273.4	21054.5	20974.7
55°	23290.0	22944.1	19316.4	19434.4	22129.1	22242.1	21478.6	19303.1	19843.5	22689.6	22468.4
57.5°	24426.1	24352.9	20633.7	20938.1	23795.7	24304.7	23602.7	21099.4	21613.4	24066.9	23511.3
60°	24878.6	25232.8	22035.9	22455.1	25337.7	25901.4	25286.1	22678.0	23182.0	24637.3	23439.7
62.5°	24634.0	25425.7	23529.5	23494.7	25681.9	26289.1	25856.5	23556.2	24344.6	24048.5	22253.8
65°	23504.6	24732.2	24396.2	23226.9	24504.2	24554.2	24414.4	23163.6	24619.1	22187.3	19961.6
67.5°	21044.5	22811.0	23255.1	20931.5	21327.3	21002.9	20768.4	21014.6	23188.5	19397.9	16776.4
70°	17140.7	19798.7	20011.6	16741.5	16561.8	16344.0	15876.6	17228.9	20365.9	15898.2	13311.7
72.5°	12603.0	15397.5	16051.2	12278.8	11447.1	11492.0	11122.7	12984.1	16558.6	11809.8	9938.4
75°	8622.7	11149.4	12558.1	8567.9	7569.8	7588.2	7541.6	9199.9	13188.5	8215.2	7436.7
77.5°	6299.1	7965.8	9471.0	5760.1	5592.1	5488.9	5464.0	6437.1	10111.4	5964.7	5775.1
80°	5054.9	5884.9	6362.2	3992.0	4293.2	4284.7	4146.7	4426.1	6603.4	4362.9	4319.7
82.5°	3506.3	4522.6	5154.7	3128.7	2897.5	2849.3	2882.6	3296.7	4667.3	2982.3	2836.1
85°	1849.6	3004.0	5104.8	2772.8	1719.8	1372.3	1706.6	2699.6	4043.5	1580.2	1383.9
87.5°	236.2	868.3	3379.9	1106.1	678.6	365.9	810.0	1520.4	2596.4	322.7	281.2
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°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	11091.1	10869.8	10580.4	10312.7	10034.9	9758.8	9397.8	9171.7	9015.3	8985.4	8918.9
5°	10821.7	10086.5	9530.9	9050.2	8614.4	7999.0	7658.0	7375.2	7223.9	7208.9	7172.4
7.5°	9579.2	8564.5	7814.3	7134.1	6517.0	6019.6	5470.7	5214.5	5109.7	5134.7	5159.7
10°	8286.8	7152.3	6290.7	5595.5	5051.6	4632.4	4191.6	3893.9	3687.6	3646.0	3637.7
12.5°	7342.0	6097.8	5261.2	4770.5	4349.6	3955.4	3488.0	3137.1	2869.2	2777.8	2716.1
15°	6942.8	5582.2	4705.6	4176.7	3712.5	3211.9	2777.8	2410.2	2164.0	2084.1	2039.3
17.5°	7027.5	5439.2	4323.1	3646.0	3052.2	2529.9	1982.7	1668.3	1520.4	1482.0	1482.0
20°	7473.4	5412.4	4007.0	3157.0	2416.9	1811.4	1362.3	1182.6	1134.4	1129.4	1142.8
22.5°	8098.9	5505.7	3770.7	2732.9	1877.9	1322.4	1061.2	994.7	973.1	978.1	993.0
25°	9030.3	5820.0	3599.4	2355.3	1473.7	1082.9	946.4	906.6	896.6	909.8	928.1
27.5°	10134.7	6134.4	3493.0	2070.9	1244.1	989.7	899.9	858.2	864.9	881.6	898.2
30°	11104.4	6392.2	3325.0	1867.9	1172.7	994.7	899.9	843.3	836.7	839.9	845.0
32.5°	11974.4	6566.8	3128.7	1675.0	1011.3	883.3	839.9	831.7	795.1	781.7	783.4
35°	12724.6	6566.8	3010.6	1561.9	906.6	783.4	713.6	672.0	653.7	655.3	673.7
37.5°	13448.0	6435.5	2952.4	1498.7	849.9	745.1	683.6	647.1	622.1	617.1	620.4
40°	14086.8	6244.1	2885.9	1472.0	806.8	721.8	663.6	633.7	607.2	598.8	600.5
42.5°	14599.1	6089.4	2812.7	1437.1	780.1	705.3	650.3	623.8	593.9	585.5	583.9
45°	15152.9	6037.8	2716.1	1367.3	793.4	706.9	647.1	618.7	588.8	578.8	575.5
47.5°	15883.2	6199.3	2616.4	1284.2	821.7	715.2	652.1	618.7	587.2	578.8	575.5
50°	16803.0	6578.5	2490.0	1162.6	793.4	738.5	650.3	613.8	587.2	578.8	572.2
52.5°	17984.0	7090.8	2323.7	1023.0	776.8	795.1	647.1	603.7	578.8	567.2	555.6
55°	19419.4	7509.9	2125.7	908.2	738.5	780.1	642.0	592.1	565.5	548.9	538.8
57.5°	20470.7	7661.4	1871.3	833.3	685.3	755.2	635.4	577.2	548.9	535.6	522.3
60°	20262.7	7368.6	1656.7	786.7	653.7	682.0	630.4	563.9	533.9	523.9	512.3
62.5°	18597.8	6603.4	1518.6	765.2	633.7	622.1	635.4	550.5	520.6	510.7	507.3
65°	16101.1	5474.0	1463.7	760.1	617.1	587.2	590.4	535.6	505.7	497.3	494.0
67.5°	13281.8	4417.8	1415.5	776.8	595.5	562.2	545.5	515.6	490.7	482.4	475.8
70°	10474.0	3674.3	1393.9	766.8	568.9	537.2	519.0	494.0	472.4	464.1	459.1
72.5°	8434.9	3103.8	1382.2	756.8	533.9	504.0	487.4	465.8	442.5	439.1	434.1
75°	7137.4	2440.1	1265.8	725.3	494.0	464.1	452.5	432.4	409.1	409.1	405.9
77.5°	5505.7	1764.7	1052.9	642.0	452.5	419.1	409.1	394.2	367.5	372.6	370.9
80°	4066.8	1151.0	823.4	532.3	400.9	369.3	364.3	349.3	321.0	327.7	327.7
82.5°	2786.1	755.2	592.1	435.8	342.6	312.7	312.7	297.7	266.1	269.5	279.4
85°	1398.8	519.0	442.5	337.6	266.1	251.2	251.2	239.5	207.9	209.6	222.9
87.5°	425.8	312.7	292.7	241.1	191.3	187.9	179.6	171.3	151.4	149.6	158.0
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	8817.3	8722.5	8607.8	8354.9	8270.2	8265.1	8341.6	8261.7	8414.8	8349.9	8421.4
5°	7110.8	7017.6	6889.6	6566.8	6370.6	6237.5	6174.3	5988.1	6122.8	6024.5	6106.1
7.5°	5229.5	5251.1	5166.4	4976.8	4549.2	4334.7	4208.2	4095.1	4193.3	4183.3	4339.7
10°	3676.0	3734.2	3674.3	3483.0	3137.1	3019.0	3042.3	3087.1	3215.3	3281.7	3522.9
12.5°	2646.4	2643.1	2604.7	2433.4	2205.6	2218.9	2313.7	2391.9	2510.0	2579.8	2826.0
15°	1976.1	1946.1	1929.5	1789.7	1659.9	1688.3	1734.8	1743.2	1818.1	1859.6	2059.2
17.5°	1493.7	1508.7	1526.9	1427.2	1329.0	1310.7	1274.1	1229.1	1250.8	1259.1	1358.9
20°	1186.0	1245.9	1290.8	1220.9	1121.1	1067.9	1021.2	991.3	991.3	989.7	1018.0
22.5°	1036.3	1079.5	1127.8	1079.5	989.7	943.1	916.4	893.2	889.9	889.9	916.4
25°	954.7	986.4	1032.9	999.6	933.2	898.2	873.2	843.3	831.7	828.3	846.6
27.5°	914.8	928.1	951.4	921.5	864.9	848.3	841.7	815.1	800.1	791.8	810.0
30°	846.6	843.3	845.0	815.1	770.2	768.4	780.1	785.1	780.1	778.5	806.8
32.5°	783.4	776.8	775.0	748.5	706.9	697.0	706.9	716.8	728.5	745.1	778.5
35°	703.6	720.2	730.2	706.9	656.9	627.0	615.4	597.1	587.2	587.2	625.4
37.5°	640.4	678.6	693.6	672.0	617.1	575.5	555.6	552.2	554.0	560.5	597.1
40°	618.7	647.1	660.4	638.7	583.9	545.5	533.9	530.6	533.9	543.9	580.5
42.5°	605.4	625.4	623.8	597.1	552.2	525.6	519.0	515.6	519.0	529.0	568.9
45°	593.9	607.2	593.9	562.2	520.6	507.3	508.9	507.3	510.7	520.6	558.9
47.5°	583.9	588.8	572.2	540.7	497.3	494.0	500.6	505.7	508.9	517.4	557.2
50°	568.9	568.9	554.0	520.6	477.4	479.0	487.4	499.0	500.6	510.7	542.3
52.5°	550.5	548.9	538.8	507.3	460.7	465.8	465.8	479.0	482.4	494.0	527.2
55°	535.6	532.3	527.2	497.3	445.8	454.1	449.0	454.1	462.3	474.0	510.7
57.5°	522.3	515.6	515.6	489.1	434.1	437.5	425.8	432.4	442.5	452.5	490.7
60°	508.9	502.4	505.7	477.4	415.8	412.5	407.5	420.8	424.2	435.8	474.0
62.5°	494.0	489.1	490.7	464.1	402.5	394.2	394.2	405.9	407.5	424.2	460.7
65°	482.4	475.8	474.0	450.8	387.6	377.6	382.5	387.6	390.9	407.5	442.5
67.5°	470.7	457.5	457.5	439.1	370.9	361.0	370.9	369.3	374.2	389.2	417.5
70°	455.7	437.5	439.1	430.8	354.3	342.6	350.9	349.3	352.6	362.6	390.9
72.5°	432.4	417.5	420.8	417.5	337.6	321.0	324.4	324.4	324.4	332.7	362.6
75°	402.5	390.9	400.9	409.1	317.7	294.5	297.7	297.7	292.7	297.7	334.4
77.5°	365.9	359.3	392.6	380.9	294.5	266.1	266.1	262.8	252.8	259.5	299.4
80°	326.0	321.0	362.6	319.4	267.8	231.2	228.0	219.6	209.6	214.5	254.5
82.5°	284.4	279.4	304.4	244.5	231.2	191.3	183.0	168.0	158.0	163.1	199.6
85°	232.8	232.8	234.6	184.6	176.4	146.4	136.3	116.5	104.8	108.1	143.0
87.5°	166.3	171.3	158.0	126.4	104.8	81.5	74.9	63.3	53.2	61.5	74.9
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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CATALOG NUMBER: GLEON-AF-06-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9	10222.9
2.5°	8787.4	8970.4	9178.4	9444.5	9672.2	10046.6	10405.9	10622.0
5°	6570.2	6874.6	7253.8	7741.1	8195.2	8877.2	9554.1	9988.4
7.5°	4702.3	5028.2	5437.4	6046.2	6688.3	7558.2	8453.1	8972.1
10°	3890.5	4224.8	4569.2	4980.0	5505.7	6452.1	7509.9	8095.4
12.5°	3218.6	3576.2	3947.1	4379.5	4867.0	5711.8	6931.1	7604.8
15°	2463.4	2862.6	3300.0	3847.3	4457.8	5434.1	6788.1	7520.0
17.5°	1688.3	2134.1	2671.3	3346.6	4093.5	5344.3	7044.3	7887.5
20°	1162.6	1487.0	2060.8	2852.6	3750.9	5332.6	7536.6	8592.8
22.5°	973.1	1117.7	1537.0	2398.6	3493.0	5475.7	8300.1	9582.5
25°	899.9	986.4	1227.5	2004.4	3305.1	5805.1	9351.3	10863.2
27.5°	856.6	934.8	1114.5	1746.5	3157.0	6187.6	10374.2	12104.1
30°	873.2	953.1	1082.9	1615.1	2955.8	6506.9	11282.4	13072.3
32.5°	786.7	821.7	928.1	1498.7	2811.0	6774.7	12077.5	13873.8
35°	670.3	731.8	828.3	1443.8	2814.4	6954.5	12944.1	14898.5
37.5°	638.7	700.3	770.2	1423.8	2852.6	7145.7	13938.7	16099.5
40°	618.7	675.3	735.2	1412.1	2889.3	7320.4	14913.5	17287.1
42.5°	605.4	656.9	731.8	1372.3	2907.5	7476.7	15715.2	18296.7
45°	603.7	656.9	745.1	1332.3	2935.8	7644.7	16387.2	19043.6
47.5°	605.4	678.6	720.2	1284.2	2935.8	7925.7	17175.7	19710.6
50°	598.8	715.2	693.6	1215.9	2867.6	8458.1	18256.7	20603.8
52.5°	595.5	710.3	642.0	1111.0	2749.5	9303.1	19642.3	21834.6
55°	587.2	685.3	605.4	954.7	2611.4	10224.5	21126.1	23290.0
57.5°	578.8	607.2	585.5	818.4	2398.6	10873.3	22147.3	24426.1
60°	648.7	530.6	568.9	751.8	2114.0	11051.2	22107.4	24878.6
62.5°	600.5	497.3	547.3	736.9	1914.5	10552.3	21086.2	24634.0
65°	470.7	475.8	525.6	780.1	1861.2	9229.9	19276.4	23504.6
67.5°	430.8	454.1	504.0	835.0	1866.2	7390.2	16571.8	21044.5
70°	405.9	430.8	479.0	863.2	1879.6	5509.0	13102.2	17140.7
72.5°	377.6	399.3	450.8	868.3	1793.1	4001.9	10098.1	12603.0
75°	344.2	364.3	410.9	756.8	1485.4	2776.1	7724.5	8622.7
77.5°	306.0	321.0	361.0	583.9	1102.8	1776.4	5798.4	6299.1
80°	261.1	269.5	302.7	427.5	755.2	1111.0	4587.5	5054.9
82.5°	209.6	212.9	234.6	321.0	490.7	713.6	3072.2	3506.3
85°	148.0	148.0	161.3	232.8	334.4	452.5	1668.3	1849.6
87.5°	69.8	71.6	71.6	128.1	174.6	229.6	384.3	236.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)