

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: P193084

Luminaire Tested: **GLEON-AF-06-LED-E1-SLR-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193084
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-SLR-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA 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: 33194 lumens
Efficiency: N/A
Efficacy: 86.9 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): 382
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



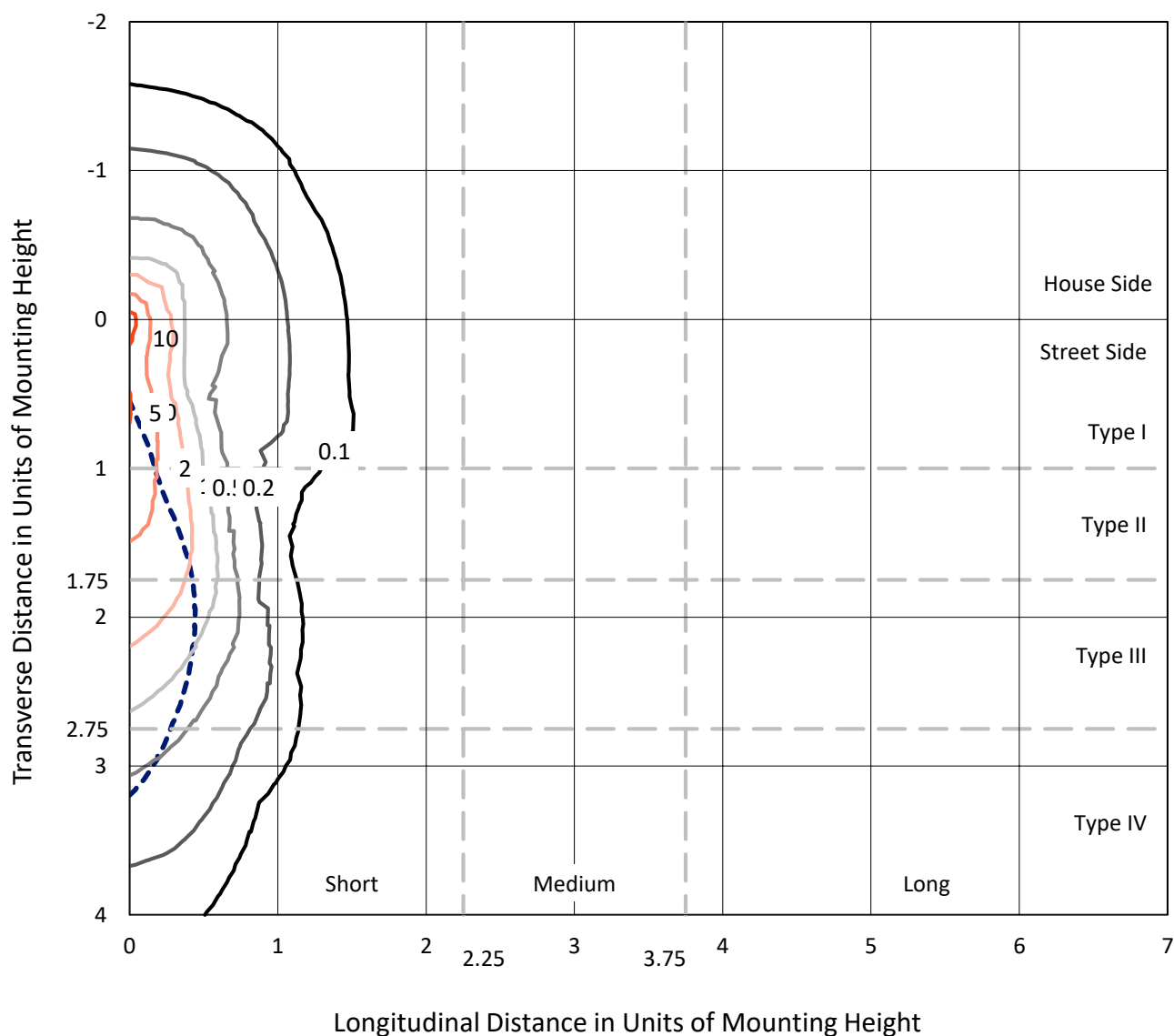
REPORT NUMBER: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

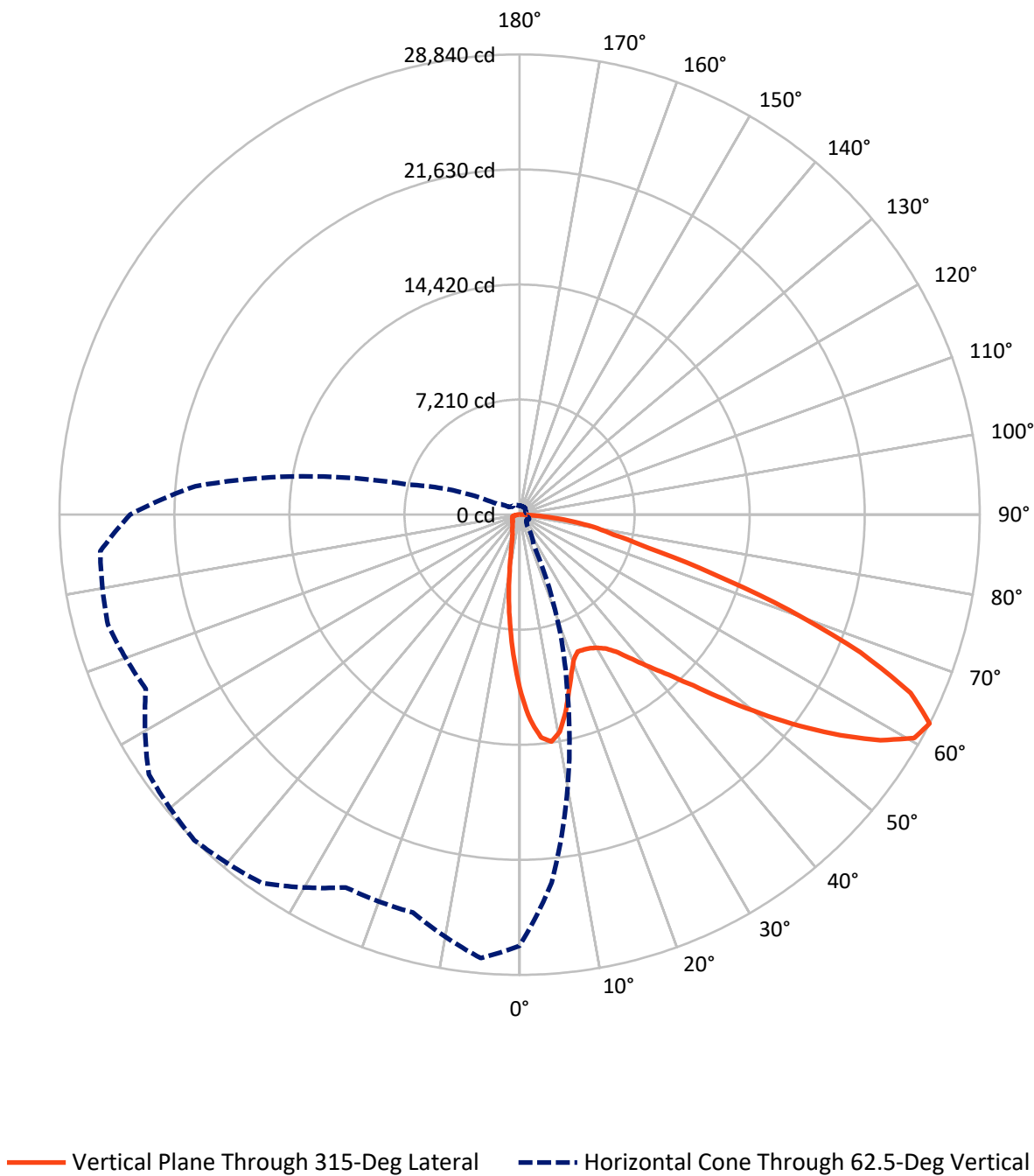


Based on 30 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

Luminous Intensity Polar Plot



REPORT NUMBER: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5493.1	0.0	5493.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	27700.9	0.0	27700.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	33194.0	0.0	33194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.4	2.5
10°-20°	1497.0	4.5
20°-30°	2182.7	6.6
30°-40°	3361.6	10.1
40°-50°	4947.4	14.9
50°-60°	7256.8	21.9
60°-70°	8112.0	24.4
70°-80°	3971.5	12.0
80°-90°	1048.6	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°	33194.0	100.0
0°-180°	33194.0	100.0

Coefficient of Utilization



REPORT NUMBER: P193084

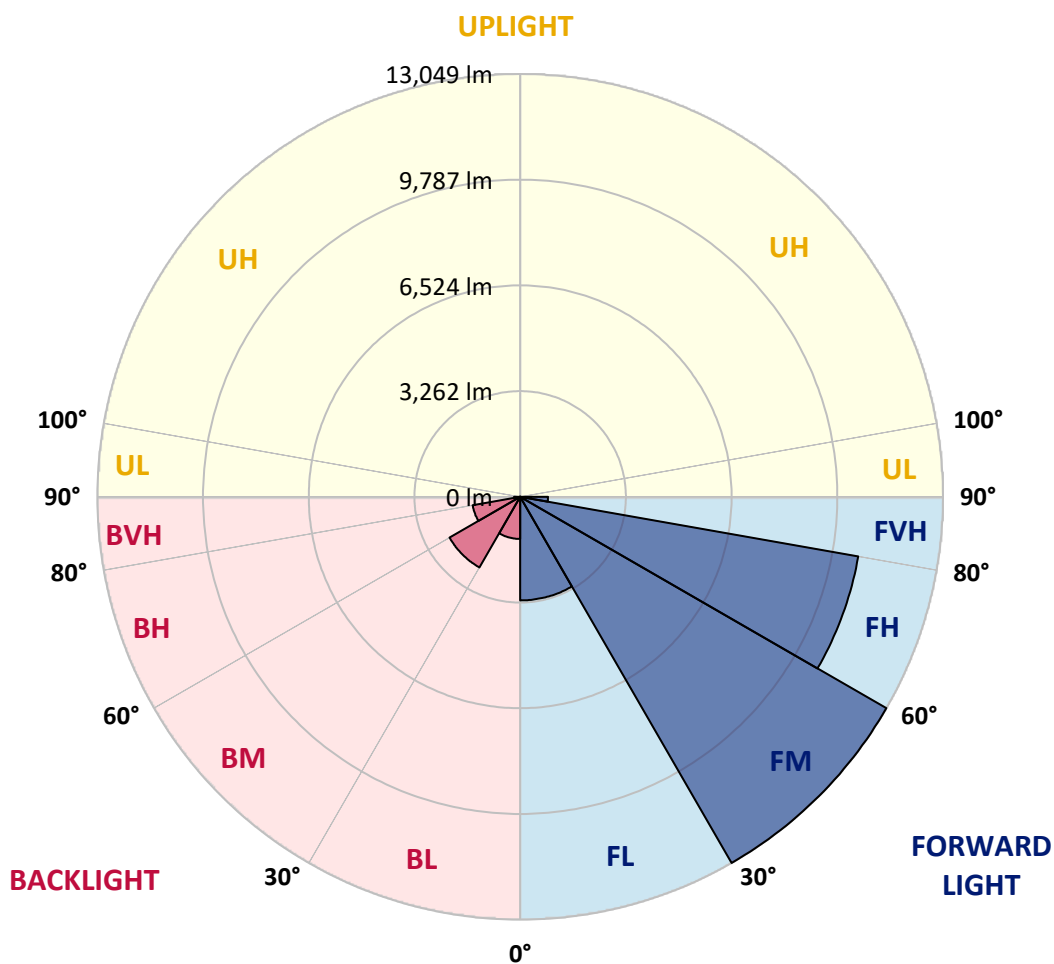
CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3196.5	9.6			
FM	(30°-60°)	13048.9	39.3			
FH	(60°-80°)	10594.4	31.9			G4/12000
FVH	(80°-90°)	861.1	2.6			G5
BL	(0°-30°)	1299.6	3.9	B3/2500		
BM	(30°-60°)	2516.9	7.6	B3/5000		
BH	(60°-80°)	1489.2	4.5	B3/2500		G3/2500
BVH	(80°-90°)	187.4	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



REPORT NUMBER: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	11652.7	11415.4	11021.3	10610.7	10360.7	10068.8	9840.8	9640.1	9238.5	9160.1	9231.4
5°	10957.5	10481.2	9738.5	8990.4	8492.2	7957.6	7541.6	7207.7	6698.5	6609.1	6716.8
7.5°	9842.5	9273.3	8291.5	7337.2	6632.9	5965.0	5516.2	5158.4	4760.8	4589.2	4600.2
10°	8880.9	8238.5	7078.2	6039.9	5463.2	5012.5	4634.8	4268.0	3864.7	3600.2	3527.2
12.5°	8342.6	7603.6	6266.1	5339.2	4804.4	4330.1	3923.2	3530.8	3100.2	2830.2	2753.6
15°	8249.6	7446.7	5961.4	4890.2	4220.5	3620.2	3140.3	2702.4	2259.1	2040.1	1994.4
17.5°	8652.8	7727.7	5862.9	4490.7	3671.3	2930.6	2341.1	1852.1	1490.9	1381.4	1372.2
20°	9426.6	8267.8	5850.1	4114.7	3129.4	2260.8	1631.4	1275.5	1116.7	1085.7	1087.5
22.5°	10512.3	9105.3	6007.0	3831.9	2631.3	1686.1	1226.2	1067.5	1005.4	976.2	976.2
25°	11917.2	10258.6	6368.2	3625.8	2198.9	1346.6	1082.1	987.1	928.8	908.7	912.4
27.5°	13278.5	11380.8	6787.9	3463.3	1916.0	1222.6	1025.5	939.7	888.6	868.6	877.7
30°	14340.5	12377.1	7138.4	3242.5	1771.8	1187.8	1045.6	957.9	885.0	854.0	855.8
32.5°	15220.1	13249.4	7432.2	3083.8	1644.1	1018.2	901.4	863.0	854.0	817.5	799.2
35°	16344.0	14200.0	7629.1	3087.4	1583.8	908.7	802.8	735.4	686.1	644.1	644.1
37.5°	17661.4	15291.2	7839.1	3129.4	1562.0	844.8	768.2	700.7	655.1	614.9	607.6
40°	18964.3	16360.5	8030.5	3169.5	1549.2	806.6	740.9	678.8	636.9	596.7	585.7
42.5°	20071.9	17240.0	8202.1	3189.6	1505.4	802.8	720.8	664.2	624.1	580.2	569.4
45°	20891.3	17977.2	8386.4	3220.6	1461.6	817.5	720.8	662.3	613.1	571.1	560.2
47.5°	21623.0	18842.1	8694.9	3220.6	1408.7	790.1	744.5	664.2	611.3	567.5	558.4
50°	22602.8	20028.1	9278.8	3145.8	1333.8	760.9	784.6	656.8	594.8	560.2	549.2
52.5°	23953.1	21548.1	10205.7	3016.2	1218.9	704.4	779.1	653.3	578.4	541.9	529.2
55°	25549.7	23175.7	11216.5	2864.8	1047.4	664.2	751.8	644.1	560.2	520.1	507.3
57.5°	26796.1	24296.2	11928.2	2631.3	897.8	642.3	666.1	635.1	538.3	496.4	485.3
60°	27292.4	24252.4	12123.4	2319.2	824.8	624.1	582.2	711.6	520.1	478.1	465.3
62.5°	27024.0	23132.1	11576.0	2100.3	808.3	600.4	545.6	658.8	505.5	465.3	447.1
65°	25785.1	21146.7	10125.4	2041.8	855.8	576.6	521.8	516.4	485.3	447.1	428.9
67.5°	23086.4	18179.7	8107.2	2047.3	916.0	552.9	498.1	472.6	458.1	426.9	410.6
70°	18803.7	14373.4	6043.4	2061.9	947.1	525.5	472.6	445.2	428.9	397.8	386.9
72.5°	13825.8	11077.9	4390.2	1967.1	952.5	494.5	437.9	414.2	397.8	364.9	355.8
75°	9459.3	8474.0	3045.5	1629.5	830.3	450.7	399.6	377.7	366.8	326.5	321.1
77.5°	6910.2	6361.0	1948.8	1209.8	640.5	395.9	352.2	335.8	328.5	284.6	277.4
80°	5545.4	5032.6	1218.9	828.4	468.9	332.1	295.6	286.5	279.1	235.4	229.9
82.5°	3846.5	3370.2	782.9	538.3	352.2	257.3	233.6	229.9	218.9	178.8	173.4
85°	2029.1	1830.2	496.4	366.8	255.4	177.0	162.4	162.4	156.9	118.6	114.9
87.5°	259.2	421.5	251.9	191.6	140.5	78.4	78.4	76.6	82.2	67.5	58.4
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: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	9063.4	9151.0	9067.0	9072.6	9165.5	9442.9	9568.8	9672.8	9784.1	9857.2	9890.0
5°	6569.0	6773.4	6842.7	6988.7	7204.0	7558.0	7698.5	7800.7	7868.2	7908.3	7924.8
7.5°	4492.4	4616.5	4755.2	4990.6	5459.5	5667.6	5760.7	5736.8	5660.2	5633.0	5605.5
10°	3386.7	3337.5	3311.8	3441.4	3821.1	4030.8	4096.4	4032.6	3990.7	3999.8	4045.5
12.5°	2624.0	2538.2	2434.2	2419.5	2669.5	2857.5	2899.5	2903.1	2979.7	3047.2	3147.6
15°	1912.2	1903.2	1852.1	1821.1	1963.4	2116.7	2134.9	2167.8	2237.1	2286.4	2373.9
17.5°	1348.5	1397.8	1437.9	1457.9	1565.5	1675.1	1655.1	1638.6	1625.8	1625.8	1667.9
20°	1087.5	1120.4	1171.5	1229.8	1339.3	1416.0	1366.8	1301.1	1253.5	1239.0	1244.5
22.5°	979.8	1005.4	1034.5	1085.7	1184.3	1237.2	1184.3	1136.9	1089.4	1072.9	1067.5
25°	925.1	957.9	985.3	1023.6	1096.6	1133.1	1082.1	1047.4	1018.2	998.1	983.6
27.5°	894.1	923.4	930.6	948.8	1010.8	1043.8	1018.2	1003.5	985.3	967.1	948.8
30°	861.3	855.8	843.1	844.8	894.1	926.9	925.1	928.8	926.9	921.5	917.9
32.5°	786.4	775.5	764.6	775.5	821.1	850.4	852.1	859.5	859.5	857.5	872.2
35°	655.1	675.1	687.9	720.8	775.5	801.1	790.1	771.8	739.0	718.9	717.1
37.5°	605.9	609.4	631.3	677.0	737.2	760.9	744.5	702.5	680.5	677.0	682.5
40°	582.2	585.7	598.5	640.5	700.7	724.4	709.8	678.8	658.8	656.8	666.1
42.5°	565.6	569.4	576.6	605.9	655.1	684.3	686.1	664.2	640.5	642.3	651.4
45°	556.5	558.4	556.5	571.1	616.8	651.4	666.1	651.4	631.3	635.1	645.9
47.5°	554.7	549.2	541.9	545.6	593.1	627.7	645.9	640.5	631.3	635.1	644.1
50°	547.4	534.6	525.5	523.7	571.1	607.6	624.1	624.1	627.7	635.1	644.1
52.5°	525.5	510.9	510.9	505.5	556.5	591.2	602.1	603.9	609.4	622.2	635.1
55°	498.1	492.6	498.1	489.1	545.6	578.4	583.9	587.6	591.2	602.1	620.4
57.5°	474.4	467.1	479.8	476.3	536.5	565.6	565.6	572.9	572.9	587.6	602.1
60°	461.6	447.1	452.6	456.1	523.7	554.7	551.1	558.4	562.0	574.8	585.7
62.5°	445.2	432.4	432.4	441.6	509.1	538.3	536.5	541.9	556.5	560.2	571.1
65°	425.1	419.7	414.2	425.1	494.5	520.1	521.8	529.2	541.9	545.6	554.7
67.5°	405.2	406.9	395.9	406.9	481.8	501.8	501.8	516.4	521.8	529.2	538.3
70°	383.2	385.0	375.9	388.6	472.6	481.8	479.8	500.0	503.5	509.1	518.2
72.5°	355.8	355.8	352.2	370.4	458.1	461.6	458.1	474.4	476.3	481.8	485.3
75°	326.5	326.5	323.0	348.5	448.8	439.8	428.9	441.6	445.2	448.8	448.8
77.5°	288.3	291.9	291.9	323.0	417.8	430.6	394.1	401.4	406.9	408.7	403.2
80°	240.9	249.9	253.6	293.8	350.4	397.8	352.2	357.6	359.5	359.5	352.2
82.5°	184.3	200.7	209.9	253.6	268.2	333.9	306.6	312.1	306.6	295.6	291.9
85°	127.8	149.5	160.6	193.4	202.5	257.3	255.4	255.4	244.5	229.9	228.2
87.5°	69.4	82.2	89.4	114.9	138.6	173.4	187.9	182.5	173.4	164.2	166.1
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: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	10061.4	10309.7	10705.7	11008.5	11313.2	11607.0	11924.5	12167.2	12373.4	12453.7	12698.2
5°	8090.8	8401.1	8775.0	9450.3	9928.3	10455.7	11065.1	11871.7	12181.9	12610.7	13313.1
7.5°	5720.5	6001.5	6603.6	7149.3	7826.2	8572.6	9395.5	10508.5	10915.4	11603.5	12747.5
10°	4271.7	4598.2	5081.8	5541.6	6138.4	6901.2	7846.4	9090.8	9585.4	10331.5	11649.0
12.5°	3441.4	3826.5	4339.2	4771.7	5233.3	5771.6	6689.4	8054.4	8716.7	9370.0	10702.0
15°	2644.1	3047.2	3523.5	4072.7	4581.9	5162.2	6123.8	7616.4	8379.1	9059.8	10196.5
17.5°	1830.2	2175.1	2775.4	3348.4	3999.8	4742.4	5966.8	7709.5	8620.0	9404.6	10284.1
20°	1297.4	1494.4	1987.1	2651.2	3463.3	4395.7	5937.7	8198.5	9382.7	10278.7	10846.1
22.5°	1091.2	1164.1	1450.6	2060.1	2998.0	4136.7	6039.9	8884.5	10411.9	11556.0	11742.1
25°	994.5	1038.3	1187.8	1616.7	2583.8	3948.7	6384.7	9906.4	11685.5	12833.3	12800.4
27.5°	941.6	987.1	1085.7	1364.8	2271.8	3831.9	6729.6	11118.0	13141.6	14220.1	13811.4
30°	925.1	987.1	1091.2	1286.4	2049.1	3647.6	7012.4	12181.9	14262.0	15156.1	14271.1
32.5°	912.4	921.5	968.9	1109.4	1837.5	3432.3	7204.0	13136.1	15358.7	16046.6	14933.5
35°	737.2	782.9	859.5	994.5	1713.4	3302.8	7204.0	13959.1	16438.9	16946.2	15564.8
37.5°	709.8	749.9	817.5	932.4	1644.1	3238.9	7059.9	14752.8	17542.8	17966.3	16084.9
40°	695.2	728.1	791.9	885.0	1614.9	3165.9	6850.0	15453.5	18621.3	18988.0	16570.3
42.5°	684.3	713.5	773.7	855.8	1576.6	3085.6	6680.3	16015.6	19557.4	19860.3	17033.7
45°	678.8	709.8	775.5	870.4	1499.9	2979.7	6623.8	16623.2	20327.3	20588.4	17535.6
47.5°	678.8	715.3	784.6	901.4	1408.7	2870.2	6800.8	17424.2	21055.5	21183.1	18126.7
50°	673.4	713.5	810.1	870.4	1275.5	2731.6	7216.8	18433.3	21843.7	21858.3	18875.0
52.5°	662.3	709.8	872.2	852.1	1122.2	2549.1	7778.8	19729.0	23009.8	23097.3	20046.4
55°	649.6	704.4	855.8	810.1	996.3	2332.0	8238.5	21303.6	24648.4	24891.0	21769.0
57.5°	633.1	697.1	828.4	751.8	914.2	2052.8	8404.7	22456.8	25792.4	26402.0	23710.5
60°	618.6	691.6	748.1	717.1	863.0	1817.4	8083.5	22228.8	25713.9	27027.8	25431.1
62.5°	603.9	697.1	682.5	695.2	839.3	1665.9	7244.1	20402.2	24413.0	26381.8	26706.7
65°	587.6	647.8	644.1	677.0	833.8	1605.8	6005.1	17663.3	21898.5	24340.0	27007.7
67.5°	565.6	598.5	616.8	653.3	852.1	1552.8	4846.4	14570.4	18404.1	21279.9	25438.4
70°	541.9	569.4	589.4	624.1	841.2	1529.1	4030.8	11490.2	14603.3	17440.7	22341.9
72.5°	510.9	534.6	552.9	585.7	830.3	1516.3	3404.9	9253.1	10902.8	12955.5	18165.1
75°	474.4	496.4	509.1	541.9	795.6	1388.5	2676.9	7829.8	8158.3	9012.2	14468.2
77.5°	432.4	448.8	459.9	496.4	704.4	1155.1	1936.1	6039.9	6335.4	6543.4	11092.4
80°	383.2	399.6	405.2	439.8	583.9	903.2	1262.7	4461.5	4738.8	4786.2	7244.1
82.5°	326.5	343.1	343.1	375.9	478.1	649.6	828.4	3056.4	3111.1	3271.8	5120.2
85°	262.8	275.6	275.6	291.9	370.4	485.3	569.4	1534.5	1518.1	1733.5	4435.9
87.5°	187.9	197.1	206.2	209.9	264.6	321.1	343.1	467.1	308.3	354.0	2848.4
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: P193084

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-1200

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	12882.5	12986.5	12880.7	12804.1	12473.8	12202.0	11838.8	11652.7
5°	13847.8	14112.4	14023.0	13701.8	13012.1	12236.6	11355.2	10957.5
7.5°	13731.0	14346.0	14360.6	13760.2	12743.9	11601.5	10408.2	9842.5
10°	12822.3	13608.8	13833.2	13251.2	12172.7	10895.5	9526.9	8880.9
12.5°	11807.7	12577.8	12749.4	12548.7	11647.1	10364.5	8975.7	8342.6
15°	10977.5	11322.4	11526.8	11702.0	11196.5	10152.7	8944.8	8249.6
17.5°	10472.1	10433.7	10492.1	10796.9	10882.7	10395.5	9419.2	8652.8
20°	10289.6	9703.9	9689.2	10109.0	10734.8	10973.9	10346.2	9426.6
22.5°	10390.0	9441.1	9320.7	9818.8	10813.3	11807.7	11561.5	10512.3
25°	10736.7	9463.1	9366.2	9848.0	11098.0	12696.4	12873.4	11917.2
27.5°	11282.2	9601.7	9474.0	9968.5	11475.7	13442.7	14165.4	13278.5
30°	11800.4	9842.5	9683.7	10205.7	11820.5	13738.4	14957.3	14340.5
32.5°	12430.0	10293.2	10014.0	10641.8	12247.5	14209.0	15663.4	15220.1
35°	13046.7	10935.5	10588.9	11315.1	12723.8	14794.8	16470.0	16344.0
37.5°	13723.7	11775.0	11488.5	12185.4	13375.2	15347.7	17499.1	17661.4
40°	14446.4	12888.0	12548.7	13455.5	14386.0	16041.1	18573.8	18964.3
42.5°	15174.4	14123.4	13718.3	14637.9	15497.4	16725.4	19493.5	20071.9
45°	16008.2	15464.5	15273.0	16267.4	16564.8	17376.8	20172.3	20891.3
47.5°	16979.0	16986.3	17294.7	17692.5	17641.4	18114.0	20854.8	21623.0
50°	18112.2	18885.9	19566.4	19831.1	18750.8	18905.9	21801.8	22602.8
52.5°	19473.4	21157.6	22000.7	21827.3	19946.1	19873.0	23301.7	23953.1
55°	21175.9	23562.7	24400.3	24276.1	21320.1	21190.5	25170.2	25549.7
57.5°	23146.6	25892.8	26662.9	26104.4	22969.6	22635.7	26715.7	26796.1
60°	24878.3	27739.4	28414.6	27796.0	24633.7	24173.9	27681.1	27292.4
62.5°	25841.7	28365.4	28839.7	28173.7	25774.1	25812.5	27892.7	27024.0
65°	25411.1	26783.3	26936.6	26881.8	25480.5	26763.2	27131.8	25785.1
67.5°	23053.4	22783.5	23040.8	23396.6	22962.3	25511.4	25024.2	23086.4
70°	18900.4	17417.0	17929.7	18168.7	18365.8	21953.3	21719.6	18803.7
72.5°	14243.8	12202.0	12607.0	12557.7	13470.1	17608.5	16891.5	13825.8
75°	10092.5	8273.3	8324.4	8304.4	9399.1	13776.6	12231.1	9459.3
77.5°	7061.7	5994.2	6021.6	6134.7	6319.0	10390.0	8738.5	6910.2
80°	4855.6	4549.0	4700.5	4709.6	4379.3	6979.6	6455.9	5545.4
82.5°	3616.6	3162.3	3125.8	3178.7	3432.3	5654.8	4961.5	3846.5
85°	2961.5	1872.1	1505.4	1886.8	3041.8	5600.1	3295.5	2029.1
87.5°	1667.9	888.6	401.4	744.5	1213.5	3707.8	952.5	259.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)