

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: P193054

Luminaire Tested: **GLEON-AF-06-LED-E1-SLR-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193054
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-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 19936.5 lumens
Efficiency: N/A
Efficacy: 103.3 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 - G4

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: 25 FT

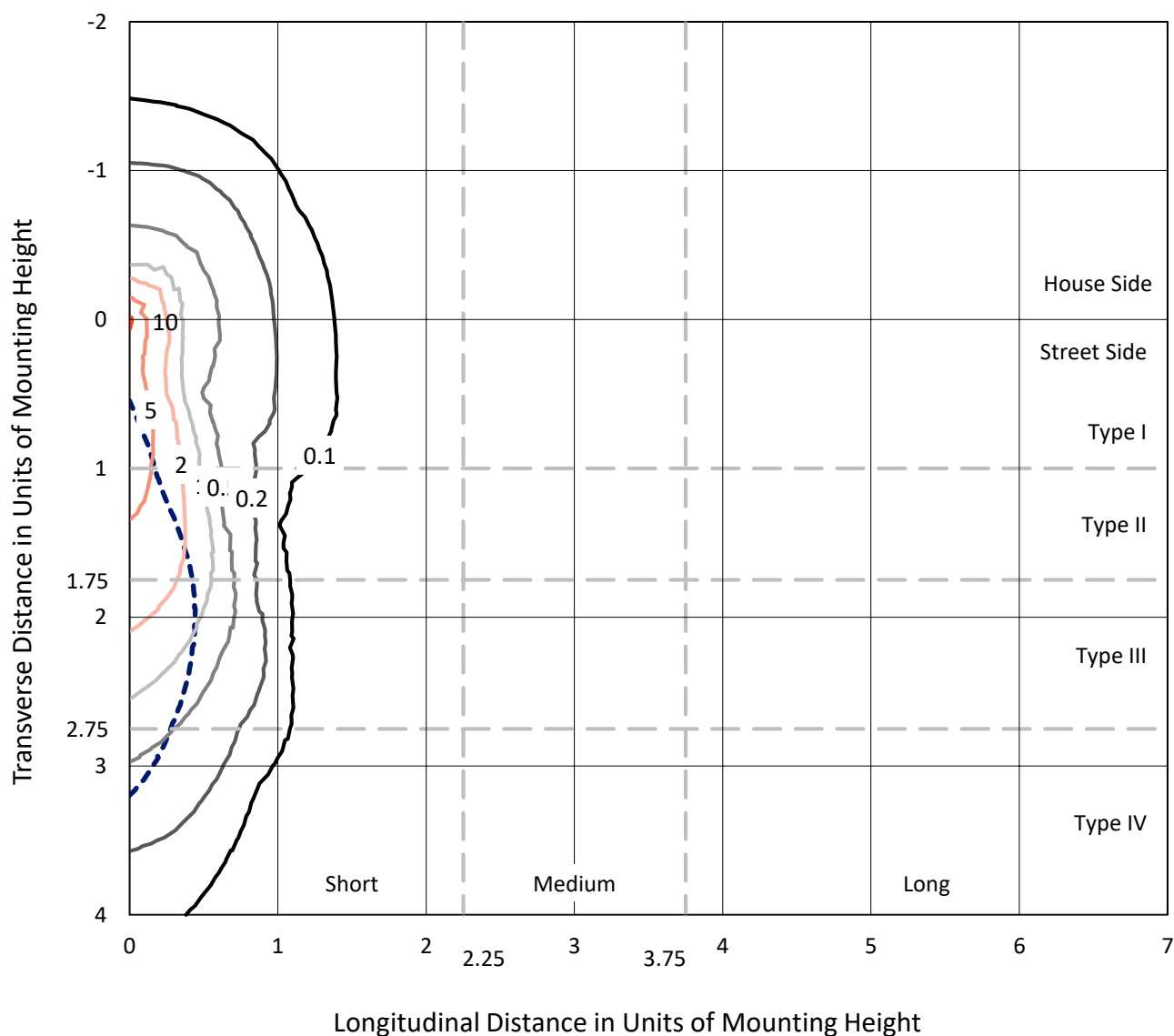


REPORT NUMBER: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

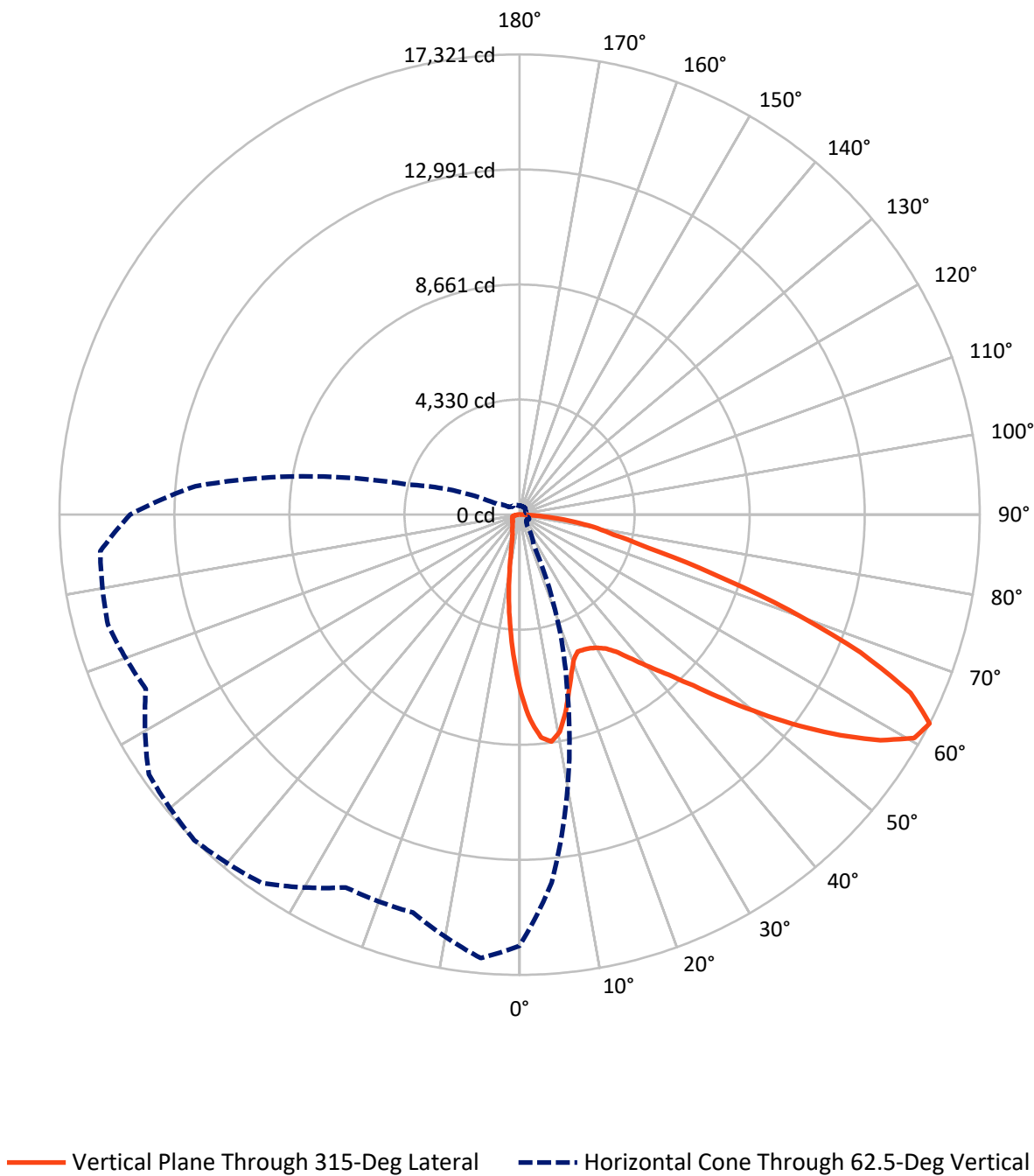


Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
Type IV - Short - Non-Cutoff

REPORT NUMBER: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

Luminous Intensity Polar Plot



REPORT NUMBER: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

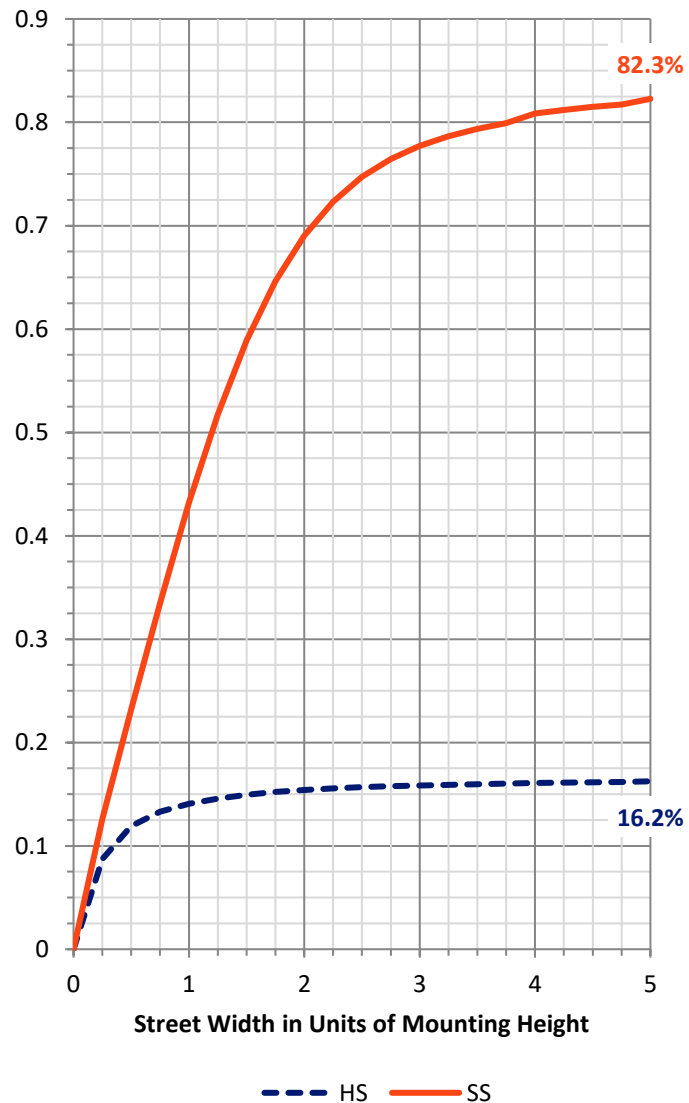
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3299.2	0.0	3299.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	16637.3	0.0	16637.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	19936.5	0.0	19936.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.3	2.5
10°-20°	899.1	4.5
20°-30°	1310.9	6.6
30°-40°	2019.0	10.1
40°-50°	2971.4	14.9
50°-60°	4358.5	21.9
60°-70°	4872.1	24.4
70°-80°	2385.3	12.0
80°-90°	629.8	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°	19936.5	100.0
0°-180°	19936.5	100.0

Coefficient of Utilization



REPORT NUMBER: P193054

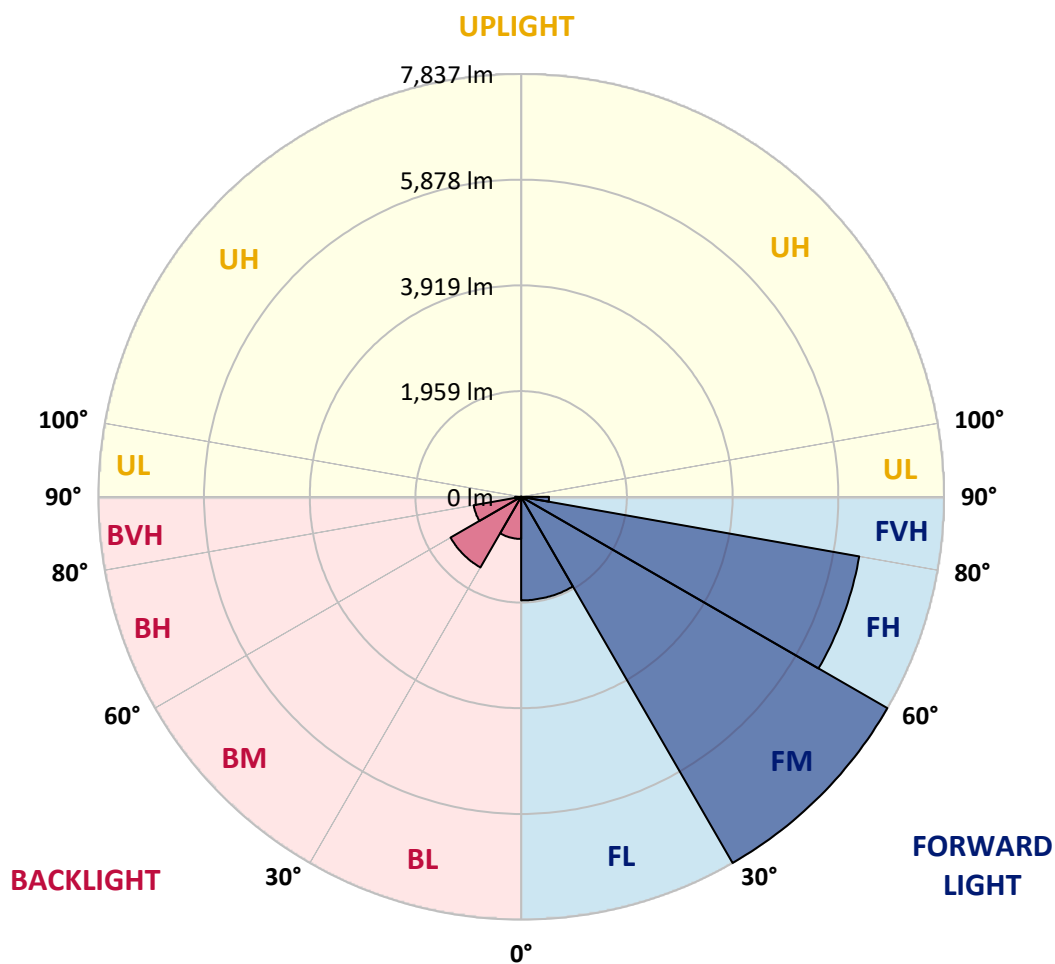
CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1919.8	9.6			
FM	(30°-60°)	7837.2	39.3			
FH	(60°-80°)	6363.1	31.9			G3/7500
FVH	(80°-90°)	517.2	2.6			G4/750
BL	(0°-30°)	780.5	3.9	B2/1000		
BM	(30°-60°)	1511.7	7.6	B2/2500		
BH	(60°-80°)	894.4	4.5	B2/1000		G2/1000
BVH	(80°-90°)	112.6	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-G4

Type IV Short



REPORT NUMBER: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7
2.5°	6998.7	6856.2	6619.5	6372.9	6222.8	6047.4	5910.4	5789.8	5548.7	5501.6	5544.4
5°	6581.1	6295.1	5848.9	5399.7	5100.6	4779.4	4529.6	4329.0	4023.2	3969.5	4034.2
7.5°	5911.5	5569.6	4979.9	4406.8	3983.7	3582.6	3313.1	3098.3	2859.4	2756.3	2762.8
10°	5333.9	4948.2	4251.2	3627.5	3281.3	3010.5	2783.7	2563.4	2321.2	2162.2	2118.4
12.5°	5010.6	4566.8	3763.4	3206.8	2885.6	2600.7	2356.2	2120.6	1862.0	1699.7	1653.7
15°	4954.7	4472.5	3580.4	2937.1	2535.0	2174.4	1886.2	1623.0	1356.8	1225.3	1197.8
17.5°	5196.9	4641.4	3521.2	2697.1	2205.1	1760.0	1406.0	1112.4	895.4	829.6	824.2
20°	5661.6	4965.8	3513.6	2471.3	1879.6	1357.9	979.7	766.0	670.8	652.1	653.2
22.5°	6313.6	5468.8	3607.8	2301.4	1580.3	1012.7	736.5	641.2	603.8	586.2	586.2
25°	7157.6	6161.3	3824.8	2177.6	1320.6	808.8	649.9	592.9	557.9	545.8	547.9
27.5°	7975.2	6835.4	4076.9	2080.1	1150.7	734.3	615.9	564.5	533.7	521.7	527.1
30°	8613.0	7433.8	4287.4	1947.4	1064.1	713.5	628.0	575.4	531.5	512.9	513.9
32.5°	9141.1	7957.6	4463.8	1852.2	987.4	611.6	541.4	518.3	512.9	491.0	479.9
35°	9816.3	8528.6	4582.2	1854.3	951.3	545.8	482.2	441.6	412.1	386.9	386.9
37.5°	10607.6	9184.0	4708.2	1879.6	938.1	507.4	461.4	420.8	393.5	369.3	364.9
40°	11390.1	9826.2	4823.2	1903.7	930.5	484.4	444.9	407.6	382.5	358.4	351.9
42.5°	12055.3	10354.4	4926.3	1915.8	904.1	482.2	432.8	398.9	374.8	348.5	342.0
45°	12547.5	10797.2	5037.0	1934.3	877.9	491.0	432.8	397.8	368.2	343.1	336.4
47.5°	12986.9	11316.6	5222.1	1934.3	846.1	474.5	447.1	398.9	367.1	340.9	335.3
50°	13575.4	12029.0	5572.9	1889.4	801.1	457.0	471.2	394.5	357.3	336.4	329.9
52.5°	14386.3	12942.0	6129.6	1811.6	732.0	423.1	467.9	392.3	347.5	325.5	317.8
55°	15345.4	13919.5	6736.7	1720.7	629.2	398.9	451.6	386.9	336.4	312.4	304.8
57.5°	16093.9	14592.4	7164.1	1580.3	539.2	385.8	400.0	381.5	323.3	298.1	291.5
60°	16391.9	14566.1	7281.4	1392.9	495.4	374.8	349.6	427.4	312.4	287.2	279.4
62.5°	16230.8	13893.2	6952.6	1261.4	485.5	360.5	327.7	395.6	303.5	279.4	268.6
65°	15486.7	12700.9	6081.4	1226.3	513.9	346.4	313.5	310.2	291.5	268.6	257.6
67.5°	13865.8	10918.9	4869.2	1229.6	550.1	332.0	299.2	283.8	275.2	256.4	246.6
70°	11293.7	8632.7	3629.7	1238.5	568.8	315.6	283.8	267.3	257.6	239.0	232.2
72.5°	8303.9	6653.5	2636.9	1181.4	572.1	296.9	263.0	248.8	239.0	219.2	213.7
75°	5681.4	5089.6	1829.1	978.6	498.7	270.8	240.1	226.8	220.2	196.1	192.9
77.5°	4150.3	3820.5	1170.5	726.6	384.7	237.8	211.5	201.7	197.3	171.0	166.6
80°	3330.6	3022.5	732.0	497.5	281.7	199.5	177.5	172.1	167.7	141.4	138.1
82.5°	2310.3	2024.2	470.2	323.3	211.5	154.5	140.3	138.1	131.5	107.4	104.2
85°	1218.7	1099.2	298.1	220.2	153.4	106.3	97.6	97.6	94.3	71.2	69.1
87.5°	155.5	253.2	151.3	115.0	84.3	47.1	47.1	46.0	49.2	40.5	35.1
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: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7
2.5°	5443.6	5496.2	5445.7	5449.0	5504.9	5671.4	5747.1	5809.6	5876.4	5920.2	5940.0
5°	3945.4	4068.2	4109.8	4197.4	4326.7	4539.4	4623.8	4685.1	4725.7	4749.8	4759.7
7.5°	2698.1	2772.7	2856.0	2997.4	3279.1	3404.0	3459.9	3445.6	3399.6	3383.2	3366.8
10°	2034.1	2004.5	1989.2	2066.9	2294.9	2420.9	2460.4	2422.1	2396.8	2402.3	2429.7
12.5°	1575.9	1524.5	1462.0	1453.2	1603.4	1716.3	1741.5	1743.7	1789.6	1830.2	1890.5
15°	1148.6	1143.1	1112.4	1093.8	1179.2	1271.3	1282.2	1302.0	1343.7	1373.2	1425.9
17.5°	809.9	839.4	863.5	875.6	940.2	1006.1	994.0	984.1	976.4	976.4	1001.7
20°	653.2	672.9	703.6	738.7	804.3	850.5	820.9	781.4	752.9	744.2	747.5
22.5°	588.5	603.8	621.3	652.1	711.3	743.1	711.3	682.8	654.3	644.4	641.2
25°	555.7	575.4	591.8	614.8	658.7	680.5	649.9	629.2	611.6	599.5	590.8
27.5°	537.0	554.5	559.0	569.9	607.2	626.9	611.6	602.8	591.8	580.8	569.9
30°	517.3	513.9	506.3	507.4	537.0	556.7	555.7	557.9	556.7	553.4	551.2
32.5°	472.3	465.8	459.2	465.8	493.2	510.7	511.8	516.1	516.1	515.0	523.9
35°	393.5	405.5	413.2	432.8	465.8	481.1	474.5	463.6	443.8	431.8	430.7
37.5°	363.9	366.0	379.2	406.6	442.7	457.0	447.1	422.0	408.7	406.6	409.8
40°	349.6	351.9	359.5	384.7	420.8	435.1	426.3	407.6	395.6	394.5	400.0
42.5°	339.7	342.0	346.4	363.9	393.5	411.0	412.1	398.9	384.7	385.8	391.2
45°	334.3	335.3	334.3	343.1	370.4	391.2	400.0	391.2	379.2	381.5	388.0
47.5°	333.1	329.9	325.5	327.7	356.1	377.1	388.0	384.7	379.2	381.5	386.9
50°	328.8	321.1	315.6	314.5	343.1	364.9	374.8	374.8	377.1	381.5	386.9
52.5°	315.6	306.9	306.9	303.5	334.3	355.1	361.6	362.7	366.0	373.6	381.5
55°	299.2	295.9	299.2	293.7	327.7	347.5	350.7	352.9	355.1	361.6	372.6
57.5°	284.9	280.6	288.2	286.0	322.2	339.7	339.7	344.1	344.1	352.9	361.6
60°	277.3	268.6	271.8	274.0	314.5	333.1	330.9	335.3	337.5	345.3	351.9
62.5°	267.3	259.7	259.7	265.2	305.8	323.3	322.2	325.5	334.3	336.4	343.1
65°	255.3	252.1	248.8	255.3	296.9	312.4	313.5	317.8	325.5	327.7	333.1
67.5°	243.3	244.4	237.8	244.4	289.3	301.3	301.3	310.2	313.5	317.8	323.3
70°	230.1	231.2	225.7	233.5	283.8	289.3	288.2	300.3	302.4	305.8	311.3
72.5°	213.7	213.7	211.5	222.5	275.2	277.3	275.2	284.9	286.0	289.3	291.5
75°	196.1	196.1	193.9	209.3	269.7	264.1	257.6	265.2	267.3	269.7	269.7
77.5°	173.1	175.4	175.4	193.9	251.0	258.6	236.8	241.1	244.4	245.5	242.2
80°	144.7	150.1	152.3	176.5	210.5	239.0	211.5	214.8	215.9	215.9	211.5
82.5°	110.7	120.5	126.0	152.3	161.1	200.6	184.1	187.4	184.1	177.5	175.4
85°	76.7	89.9	96.4	116.2	121.6	154.5	153.4	153.4	146.9	138.1	137.0
87.5°	41.6	49.2	53.7	69.1	83.2	104.2	112.9	109.6	104.2	98.7	99.8
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: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7
2.5°	6043.0	6192.0	6429.9	6611.9	6794.9	6971.3	7162.0	7307.7	7431.6	7479.8	7626.7
5°	4859.5	5045.7	5270.3	5675.9	5963.1	6279.6	6645.8	7130.2	7316.4	7574.1	7995.9
7.5°	3435.7	3604.6	3966.2	4293.9	4700.5	5148.8	5643.0	6311.5	6555.9	6969.1	7656.3
10°	2565.6	2761.7	3052.1	3328.4	3686.7	4144.9	4712.6	5460.0	5757.0	6205.2	6996.4
12.5°	2066.9	2298.2	2606.2	2865.9	3143.2	3466.5	4017.7	4837.5	5235.2	5627.6	6427.7
15°	1588.0	1830.2	2116.3	2446.1	2751.9	3100.4	3678.0	4574.4	5032.6	5441.3	6124.1
17.5°	1099.2	1306.3	1667.0	2011.0	2402.3	2848.4	3583.7	4630.3	5177.2	5648.4	6176.8
20°	779.2	897.6	1193.4	1592.4	2080.1	2640.1	3566.2	4924.1	5635.3	6173.3	6514.2
22.5°	655.3	699.3	871.3	1237.4	1800.6	2484.4	3627.5	5336.1	6253.5	6940.5	7052.3
25°	597.3	623.6	713.5	971.0	1551.8	2371.6	3834.7	5949.8	7018.4	7707.7	7688.0
27.5°	565.5	592.9	652.1	819.8	1364.4	2301.4	4041.8	6677.6	7893.0	8540.7	8295.2
30°	555.7	592.9	655.3	772.7	1230.7	2190.7	4211.7	7316.4	8565.8	9102.8	8571.3
32.5°	547.9	553.4	582.0	666.4	1103.6	2061.5	4326.7	7889.6	9224.5	9637.6	8969.2
35°	442.7	470.2	516.1	597.3	1029.1	1983.6	4326.7	8383.9	9873.3	10177.9	9348.3
37.5°	426.3	450.4	491.0	560.1	987.4	1945.3	4240.2	8860.7	10536.3	10790.6	9660.7
40°	417.6	437.2	475.6	531.5	969.9	1901.4	4114.1	9281.5	11184.0	11404.4	9952.2
42.5°	411.0	428.6	464.7	513.9	946.8	1853.2	4012.2	9619.0	11746.3	11928.2	10230.6
45°	407.6	426.3	465.8	522.8	900.9	1789.6	3978.2	9984.0	12208.7	12365.4	10531.9
47.5°	407.6	429.6	471.2	541.4	846.1	1723.9	4084.5	10465.1	12646.0	12722.7	10887.0
50°	404.4	428.6	486.6	522.8	766.0	1640.6	4334.5	11071.1	13119.6	13128.3	11336.4
52.5°	397.8	426.3	523.9	511.8	674.0	1531.0	4672.0	11849.2	13819.7	13872.4	12040.0
55°	390.2	423.1	513.9	486.6	598.4	1400.6	4948.2	12795.1	14804.0	14949.7	13074.5
57.5°	380.3	418.7	497.5	451.6	549.0	1232.9	5047.9	13487.7	15491.1	15857.2	14240.7
60°	371.5	415.4	449.4	430.7	518.3	1091.5	4855.1	13350.7	15444.1	16233.0	15274.1
62.5°	362.7	418.7	409.8	417.6	504.1	1000.6	4350.9	12253.7	14662.6	15845.1	16040.2
65°	352.9	389.1	386.9	406.6	500.9	964.4	3606.7	10608.6	13152.3	14618.7	16220.9
67.5°	339.7	359.5	370.4	392.3	511.8	932.6	2910.7	8751.1	11053.6	12780.8	15278.5
70°	325.5	342.0	354.0	374.8	505.3	918.5	2420.9	6901.2	8770.8	10475.0	13418.6
72.5°	306.9	321.1	332.0	351.9	498.7	910.6	2045.0	5557.5	6548.2	7781.1	10910.1
75°	284.9	298.1	305.8	325.5	477.8	833.9	1607.7	4702.6	4899.9	5412.8	8689.7
77.5°	259.7	269.7	276.2	298.1	423.1	693.7	1162.7	3627.5	3805.1	3930.0	6662.2
80°	230.1	240.1	243.3	264.1	350.7	542.5	758.4	2679.6	2846.2	2874.6	4350.9
82.5°	196.1	206.1	206.1	225.7	287.2	390.2	497.5	1835.7	1868.6	1965.0	3075.2
85°	157.8	165.5	165.5	175.4	222.5	291.5	342.0	921.7	911.8	1041.1	2664.2
87.5°	112.9	118.3	123.8	126.0	158.9	192.9	206.1	280.6	185.2	212.6	1710.8
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: P193054

CATALOG NUMBER: GLEON-AF-06-LED-E1-SLR-7030-600

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7	6735.7
2.5°	7737.3	7799.8	7736.2	7690.2	7491.8	7328.6	7110.5	6998.7
5°	8317.1	8476.0	8422.2	8229.4	7815.1	7349.4	6820.1	6581.1
7.5°	8246.9	8616.3	8625.0	8264.5	7654.0	6968.0	6251.3	5911.5
10°	7701.1	8173.4	8308.3	7958.7	7311.0	6543.9	5721.9	5333.9
12.5°	7091.8	7554.3	7657.3	7536.8	6995.4	6224.9	5391.0	5010.6
15°	6593.1	6800.3	6923.0	7028.2	6724.7	6097.8	5372.3	4954.7
17.5°	6289.6	6266.6	6301.6	6484.6	6536.2	6243.5	5657.2	5196.9
20°	6180.0	5828.2	5819.4	6071.5	6447.4	6590.9	6214.0	5661.6
22.5°	6240.3	5670.3	5598.0	5897.3	6494.5	7091.8	6943.9	6313.6
25°	6448.5	5683.5	5625.4	5914.8	6665.5	7625.5	7731.8	7157.6
27.5°	6776.2	5766.8	5690.1	5987.1	6892.4	8073.8	8507.8	7975.2
30°	7087.4	5911.5	5816.2	6129.6	7099.4	8251.4	8983.4	8613.0
32.5°	7465.5	6182.2	6014.5	6391.5	7356.0	8534.0	9407.6	9141.1
35°	7836.0	6568.0	6359.8	6795.9	7642.0	8885.8	9891.9	9816.3
37.5°	8242.5	7072.2	6900.0	7318.6	8033.2	9217.9	10510.0	10607.6
40°	8676.5	7740.6	7536.8	8081.5	8640.3	9634.4	11155.6	11390.1
42.5°	9113.9	8482.6	8239.2	8791.6	9307.8	10045.4	11707.9	12055.3
45°	9614.7	9288.1	9173.0	9770.3	9948.9	10436.7	12115.6	12547.5
47.5°	10197.7	10202.1	10387.3	10626.2	10595.5	10879.4	12525.5	12986.9
50°	10878.3	11343.0	11751.7	11910.7	11261.9	11355.0	13094.2	13575.4
52.5°	11695.8	12707.4	13213.7	13109.6	11979.7	11935.8	13995.1	14386.3
55°	12718.4	14151.8	14654.8	14580.3	12804.9	12727.2	15117.3	15345.4
57.5°	13901.9	15551.4	16013.8	15678.4	13795.6	13595.1	16045.6	16093.9
60°	14942.0	16660.4	17066.0	16694.4	14795.2	14519.0	16625.4	16391.9
62.5°	15520.8	17036.4	17321.3	16921.3	15480.2	15503.2	16752.5	16230.8
65°	15262.0	16086.1	16178.2	16145.4	15303.7	16074.1	16295.5	15486.7
67.5°	13846.1	13683.8	13838.4	14052.2	13791.2	15322.3	15029.7	13865.8
70°	11351.7	10460.7	10768.7	10912.3	11030.6	13185.2	13044.9	11293.7
72.5°	8554.9	7328.6	7571.8	7542.2	8090.2	10575.8	10145.0	8303.9
75°	6061.6	4969.0	4999.7	4987.5	5645.2	8274.3	7346.0	5681.4
77.5°	4241.3	3600.2	3616.6	3684.6	3795.2	6240.3	5248.5	4150.3
80°	2916.2	2732.1	2823.2	2828.6	2630.2	4191.9	3877.4	3330.6
82.5°	2172.2	1899.3	1877.3	1909.1	2061.5	3396.4	2979.8	2310.3
85°	1778.7	1124.4	904.1	1133.2	1827.0	3363.4	1979.2	1218.7
87.5°	1001.7	533.7	241.1	447.1	728.8	2226.9	572.1	155.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)