

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: P193071

Luminaire Tested: **GLEON-AF-03-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193071
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-03-LED-E1-SLR-7030
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA 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: 15446 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 166
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

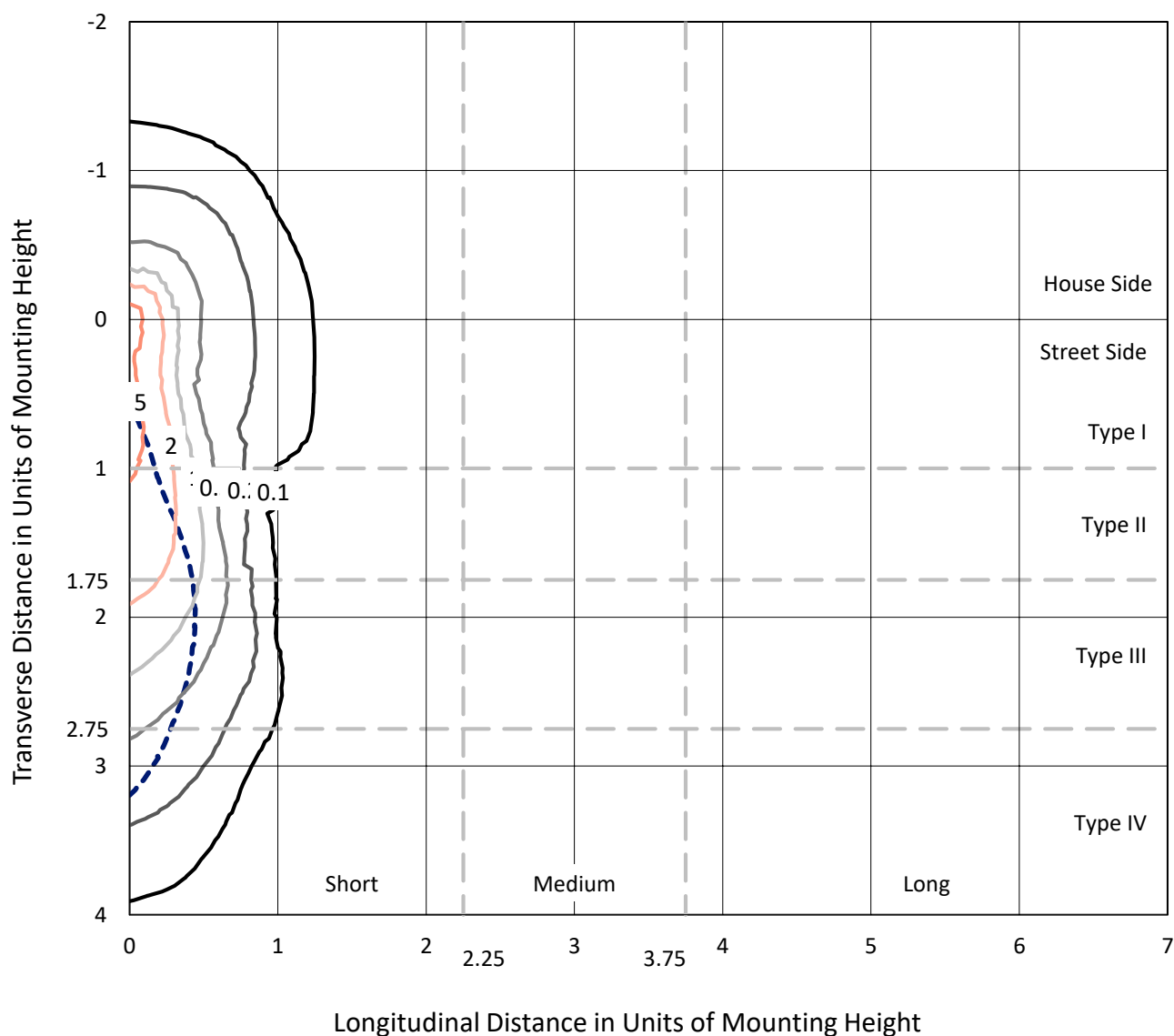


REPORT NUMBER: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

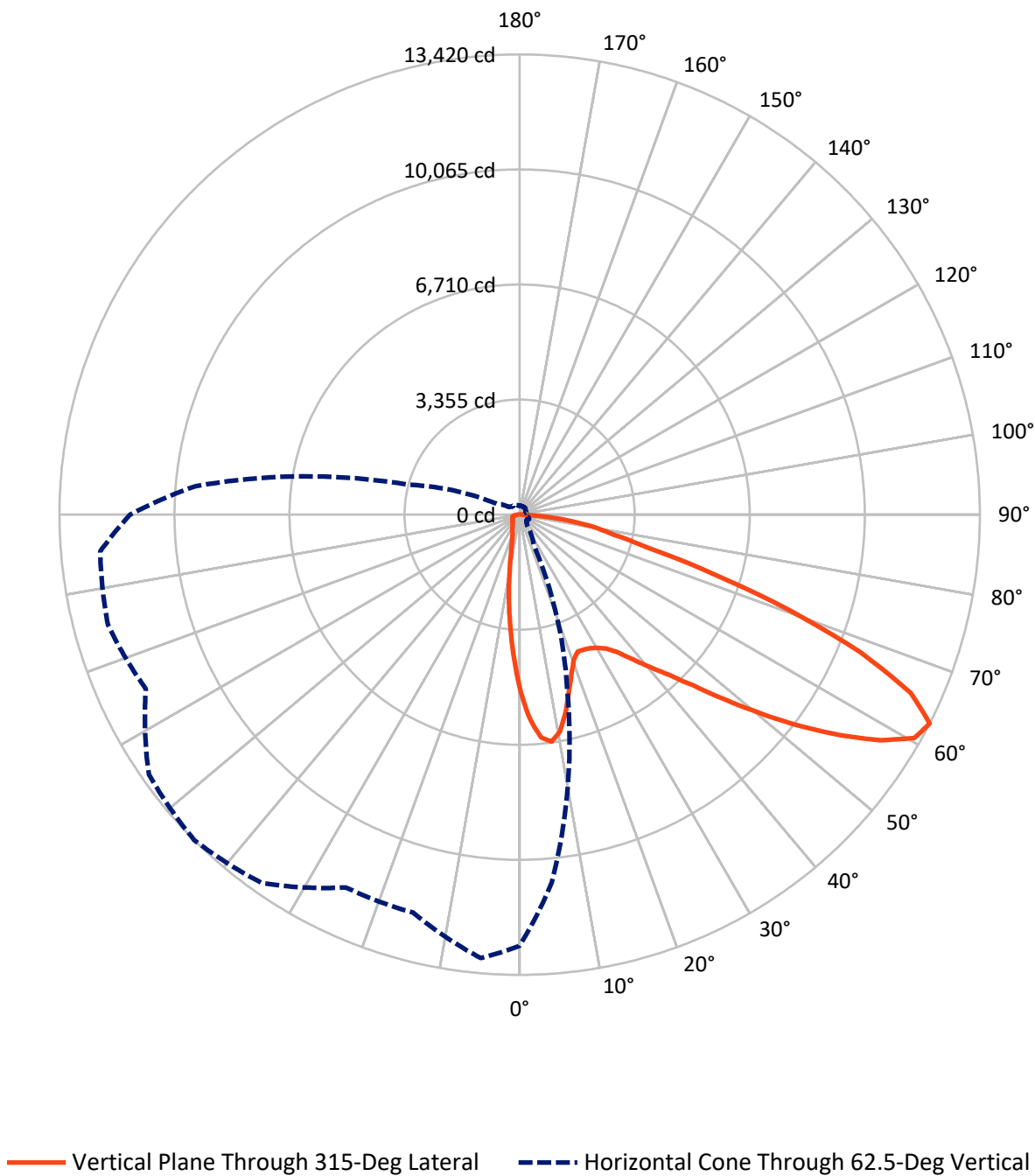


Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

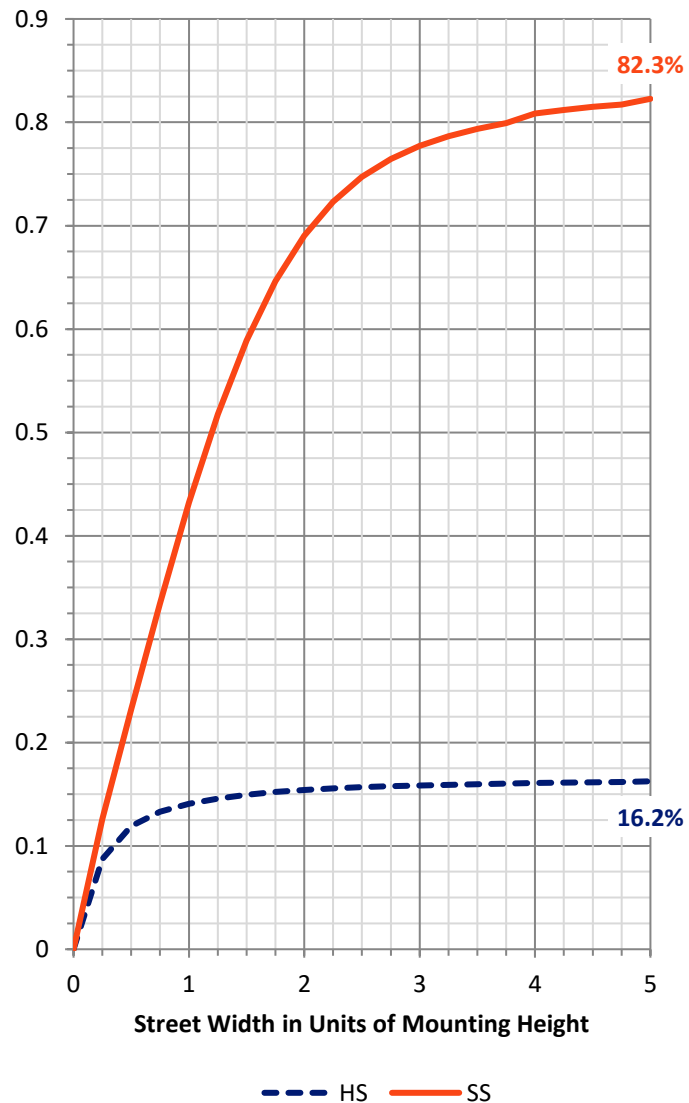
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2556.1	0.0	2556.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	12889.9	0.0	12889.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	15446.0	0.0	15446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.9	2.5
10°-20°	696.6	4.5
20°-30°	1015.6	6.6
30°-40°	1564.2	10.1
40°-50°	2302.1	14.9
50°-60°	3376.8	21.9
60°-70°	3774.7	24.4
70°-80°	1848.1	12.0
80°-90°	487.9	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°	15446.0	100.0
0°-180°	15446.0	100.0

Coefficient of Utilization



REPORT NUMBER: P193071

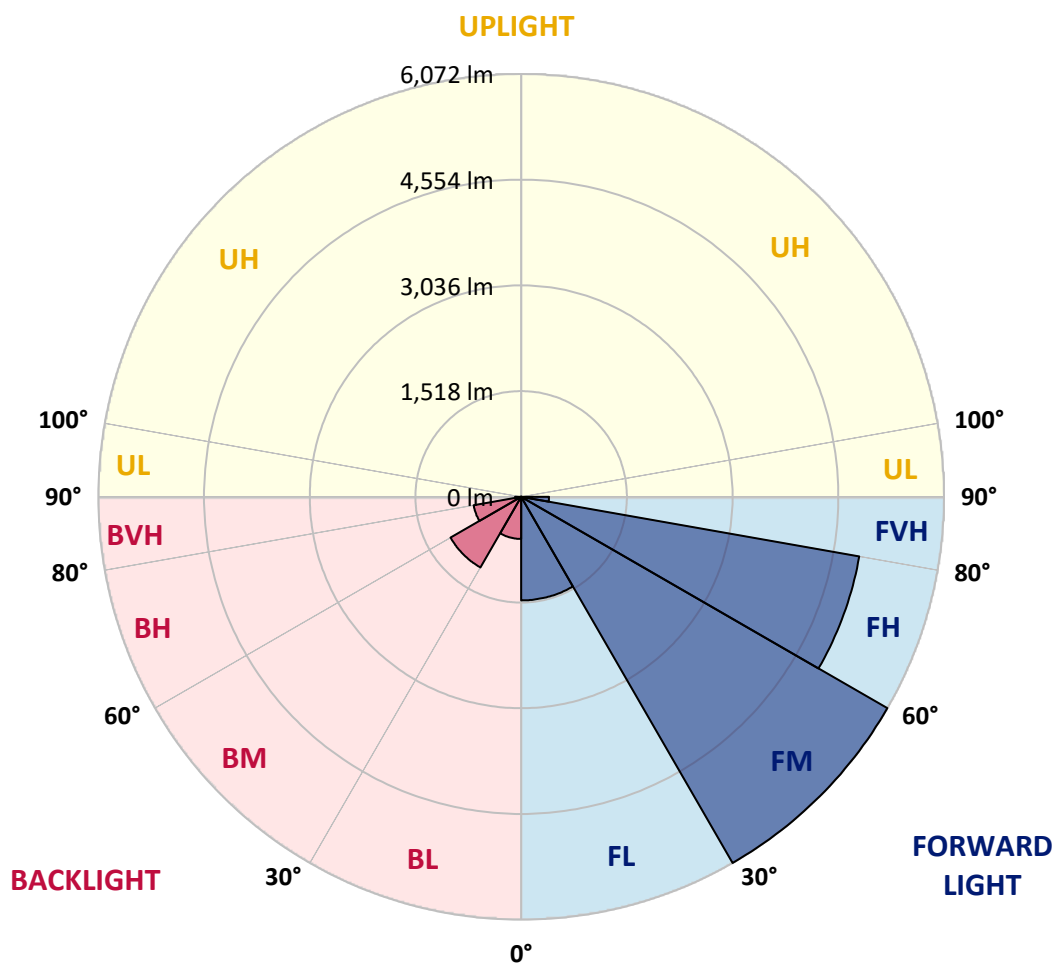
CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1487.4	9.6			
FM	(30°-60°)	6072.0	39.3			
FH	(60°-80°)	4929.8	31.9			G2/5000
FVH	(80°-90°)	400.7	2.6			G3/500
BL	(0°-30°)	604.7	3.9	B2/1000		
BM	(30°-60°)	1171.2	7.6	B2/2500		
BH	(60°-80°)	693.0	4.5	B2/1000		G2/1000
BVH	(80°-90°)	87.2	0.6			G1/100
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: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4
2.5°	5422.3	5311.8	5128.5	4937.4	4821.1	4685.2	4579.2	4485.7	4299.0	4262.4	4295.5
5°	5098.8	4877.2	4531.5	4183.4	3951.7	3702.9	3509.3	3353.9	3116.9	3075.4	3125.5
7.5°	4579.9	4315.0	3858.3	3414.2	3086.5	2775.6	2566.8	2400.3	2215.2	2135.5	2140.5
10°	4132.5	3833.6	3293.6	2810.4	2542.1	2332.4	2156.7	1986.0	1798.4	1675.3	1641.3
12.5°	3882.0	3538.2	2915.8	2484.4	2235.7	2014.8	1825.5	1642.9	1442.5	1316.9	1281.3
15°	3838.8	3465.1	2774.0	2275.6	1963.9	1684.6	1461.3	1257.5	1051.2	949.3	928.0
17.5°	4026.3	3595.8	2728.1	2089.6	1708.4	1363.7	1089.5	861.8	693.7	642.8	638.5
20°	4386.4	3847.2	2722.2	1914.7	1456.2	1052.0	759.2	593.5	519.6	505.3	506.1
22.5°	4891.5	4237.0	2795.2	1783.1	1224.4	784.6	570.6	496.7	467.8	454.3	454.3
25°	5545.4	4773.5	2963.3	1687.2	1023.1	626.6	503.4	459.3	432.2	422.9	424.6
27.5°	6178.8	5295.8	3158.5	1611.6	891.5	568.9	477.1	437.2	413.5	404.2	408.4
30°	6673.0	5759.4	3321.6	1508.9	824.5	552.8	486.5	445.8	411.8	397.3	398.2
32.5°	7082.1	6165.2	3458.3	1434.9	765.1	473.7	419.4	401.6	397.3	380.4	371.9
35°	7605.3	6607.6	3550.1	1436.6	737.0	422.9	373.5	342.2	319.2	299.7	299.7
37.5°	8218.3	7115.3	3647.6	1456.2	726.8	393.2	357.5	326.0	304.9	286.2	282.8
40°	8824.6	7612.8	3736.7	1474.9	720.9	375.3	344.7	315.9	296.3	277.6	272.6
42.5°	9339.9	8022.2	3816.7	1484.2	700.5	373.5	335.4	309.1	290.4	270.0	265.0
45°	9721.3	8365.2	3902.4	1498.6	680.1	380.4	335.4	308.2	285.2	265.7	260.7
47.5°	10061.6	8767.6	4045.9	1498.6	655.4	367.6	346.5	309.1	284.4	264.1	259.8
50°	10517.7	9319.6	4317.6	1463.8	620.7	354.1	365.2	305.7	276.8	260.7	255.5
52.5°	11146.0	10026.8	4749.0	1403.6	567.2	327.8	362.5	304.0	269.3	252.2	246.3
55°	11888.9	10784.2	5219.4	1333.1	487.4	309.1	349.8	299.7	260.7	242.0	236.0
57.5°	12468.8	11305.6	5550.5	1224.4	417.7	298.9	310.0	295.4	250.5	231.0	225.8
60°	12699.7	11285.2	5641.4	1079.2	383.8	290.4	270.9	331.2	242.0	222.5	216.6
62.5°	12574.9	10763.9	5386.6	977.4	376.2	279.3	253.9	306.5	235.2	216.6	208.0
65°	11998.5	9840.1	4711.6	950.1	398.2	268.3	242.9	240.3	225.8	208.0	199.5
67.5°	10742.6	8459.4	3772.5	952.6	426.2	257.3	231.8	219.9	213.2	198.7	191.1
70°	8749.8	6688.3	2812.3	959.6	440.7	244.5	219.9	207.1	199.5	185.0	180.1
72.5°	6433.5	5154.9	2042.9	915.3	443.3	230.1	203.8	192.8	185.0	169.8	165.5
75°	4401.6	3943.1	1417.1	758.3	386.3	209.8	186.0	175.8	170.7	152.0	149.4
77.5°	3215.5	2960.0	906.9	562.9	298.1	184.2	163.9	156.2	152.9	132.4	129.0
80°	2580.3	2341.8	567.2	385.4	218.2	154.5	137.5	133.3	129.9	109.5	107.0
82.5°	1789.8	1568.3	364.3	250.5	163.9	119.7	108.7	107.0	101.9	83.2	80.7
85°	944.2	851.6	231.0	170.7	118.9	82.4	75.6	75.6	72.9	55.1	53.5
87.5°	120.6	196.1	117.1	89.1	65.3	36.5	36.5	35.6	38.2	31.4	27.2
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: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4
2.5°	4217.4	4258.2	4219.1	4221.7	4264.9	4394.0	4452.7	4501.1	4552.9	4586.8	4602.0
5°	3056.7	3151.8	3184.1	3252.0	3352.2	3516.9	3582.3	3629.8	3661.3	3680.0	3687.6
7.5°	2090.4	2148.1	2212.7	2322.3	2540.5	2637.3	2680.5	2669.5	2633.9	2621.1	2608.3
10°	1575.9	1553.0	1541.1	1601.4	1777.9	1875.7	1906.2	1876.5	1857.0	1861.2	1882.4
12.5°	1221.0	1181.1	1132.7	1125.9	1242.2	1329.6	1349.3	1350.9	1386.6	1417.9	1464.6
15°	889.8	885.5	861.8	847.5	913.6	985.0	993.3	1008.7	1041.0	1063.8	1104.6
17.5°	627.4	650.4	669.1	678.4	728.5	779.4	770.2	762.5	756.5	756.5	776.1
20°	506.1	521.3	545.1	572.3	623.3	659.0	636.0	605.4	583.3	576.6	579.1
22.5°	455.9	467.8	481.4	505.3	551.1	575.7	551.1	529.1	506.9	499.4	496.7
25°	430.5	445.8	458.6	476.4	510.4	527.2	503.4	487.4	473.7	464.5	457.7
27.5°	416.1	429.6	433.0	441.5	470.4	485.6	473.7	467.0	458.6	450.0	441.5
30°	400.8	398.2	392.2	393.2	416.1	431.3	430.5	432.2	431.3	428.9	427.1
32.5°	365.9	360.9	355.7	360.9	382.1	395.6	396.5	399.9	399.9	399.2	405.9
35°	304.9	314.1	320.1	335.4	360.9	372.8	367.6	359.1	343.8	334.6	333.7
37.5°	281.9	283.6	293.8	315.0	343.1	354.1	346.5	326.9	316.8	315.0	317.5
40°	270.9	272.6	278.5	298.1	326.0	337.1	330.3	315.9	306.5	305.7	310.0
42.5°	263.2	265.0	268.3	281.9	304.9	318.4	319.2	309.1	298.1	298.9	303.0
45°	259.0	259.8	259.0	265.7	287.1	303.0	310.0	303.0	293.8	295.4	300.6
47.5°	258.1	255.5	252.2	253.9	276.0	292.0	300.6	298.1	293.8	295.4	299.7
50°	254.7	248.8	244.5	243.6	265.7	282.8	290.4	290.4	292.0	295.4	299.7
52.5°	244.5	237.7	237.7	235.2	259.0	275.2	280.2	281.1	283.6	289.5	295.4
55°	231.8	229.2	231.8	227.6	253.9	269.3	271.7	273.3	275.2	280.2	288.7
57.5°	220.8	217.3	223.3	221.6	249.6	263.2	263.2	266.6	266.6	273.3	280.2
60°	214.8	208.0	210.6	212.3	243.6	258.1	256.4	259.8	261.5	267.4	272.6
62.5°	207.1	201.2	201.2	205.5	236.9	250.5	249.6	252.2	259.0	260.7	265.7
65°	197.9	195.2	192.8	197.9	230.1	242.0	242.9	246.3	252.2	253.9	258.1
67.5°	188.5	189.3	184.2	189.3	224.2	233.5	233.5	240.3	242.9	246.3	250.5
70°	178.3	179.1	175.0	180.9	219.9	224.2	223.3	232.6	234.4	236.9	241.1
72.5°	165.5	165.5	163.9	172.4	213.2	214.8	213.2	220.8	221.6	224.2	225.8
75°	152.0	152.0	150.3	162.1	208.9	204.7	199.5	205.5	207.1	208.9	208.9
77.5°	134.2	135.8	135.8	150.3	194.5	200.4	183.4	186.9	189.3	190.2	187.6
80°	112.1	116.4	118.0	136.7	163.1	185.0	163.9	166.4	167.2	167.2	163.9
82.5°	85.8	93.4	97.7	118.0	124.8	155.3	142.7	145.2	142.7	137.5	135.8
85°	59.4	69.6	74.8	90.0	94.3	119.7	118.9	118.9	113.7	107.0	106.1
87.5°	32.2	38.2	41.6	53.5	64.6	80.7	87.4	84.9	80.7	76.4	77.2
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: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4
2.5°	4681.9	4797.3	4981.5	5122.5	5264.3	5401.0	5548.7	5661.7	5757.6	5795.0	5908.7
5°	3764.8	3909.2	4083.2	4397.4	4619.9	4865.4	5148.9	5524.1	5668.5	5868.0	6194.9
7.5°	2661.9	2792.6	3072.8	3326.7	3641.7	3989.0	4371.9	4889.9	5079.3	5399.4	5931.6
10°	1987.8	2139.8	2364.7	2578.6	2856.4	3211.2	3651.1	4230.2	4460.3	4807.5	5420.6
12.5°	1601.4	1780.5	2019.1	2220.3	2435.2	2685.7	3112.8	3747.9	4056.0	4360.1	4979.9
15°	1230.4	1417.9	1639.6	1895.2	2132.0	2402.1	2849.5	3544.1	3899.0	4215.7	4744.7
17.5°	851.6	1012.1	1291.5	1558.0	1861.2	2206.8	2776.5	3587.4	4011.1	4376.2	4785.4
20°	603.6	695.4	924.7	1233.7	1611.6	2045.5	2762.9	3814.9	4366.0	4783.0	5047.0
22.5°	507.7	541.7	675.0	958.6	1395.0	1924.9	2810.4	4134.2	4844.9	5377.3	5463.8
25°	462.7	483.2	552.8	752.2	1202.3	1837.4	2971.0	4609.6	5437.5	5971.7	5956.4
27.5°	438.1	459.3	505.3	635.2	1057.1	1783.1	3131.5	5173.5	6115.1	6617.0	6426.7
30°	430.5	459.3	507.7	598.6	953.5	1697.4	3263.0	5668.5	6636.4	7052.4	6640.7
32.5°	424.6	428.9	450.9	516.2	855.1	1597.2	3352.2	6112.6	7146.7	7466.9	6948.9
35°	343.1	364.3	399.9	462.7	797.3	1536.8	3352.2	6495.5	7649.5	7885.5	7242.7
37.5°	330.3	349.0	380.4	433.9	765.1	1507.1	3285.1	6864.9	8163.1	8360.1	7484.7
40°	323.5	338.8	368.5	411.8	751.4	1473.2	3187.4	7190.9	8665.0	8835.6	7710.5
42.5°	318.4	332.0	360.0	398.2	733.5	1435.7	3108.5	7452.5	9100.5	9241.4	7926.2
45°	315.9	330.3	360.9	405.1	697.9	1386.6	3082.2	7735.2	9458.8	9580.3	8159.7
47.5°	315.9	332.8	365.2	419.4	655.4	1335.5	3164.5	8107.9	9797.6	9857.1	8434.9
50°	313.3	332.0	377.0	405.1	593.5	1271.1	3358.1	8577.5	10164.4	10171.2	8783.0
52.5°	308.2	330.3	405.9	396.5	522.1	1186.2	3619.6	9180.3	10707.0	10747.8	9328.0
55°	302.3	327.8	398.2	377.0	463.6	1085.2	3833.6	9913.1	11469.5	11582.3	10129.7
57.5°	294.7	324.4	385.4	349.8	425.3	955.3	3910.9	10449.7	12001.8	12285.4	11033.0
60°	287.8	321.8	348.1	333.7	401.6	845.6	3761.5	10343.6	11965.3	12576.7	11833.8
62.5°	281.1	324.4	317.5	323.5	390.6	775.2	3370.8	9493.6	11359.9	12276.1	12427.2
65°	273.3	301.4	299.7	315.0	388.0	747.3	2794.3	8219.1	10189.8	11326.0	12567.3
67.5°	263.2	278.5	287.1	304.0	396.5	722.5	2255.2	6780.0	8563.8	9902.0	11837.1
70°	252.2	265.0	274.2	290.4	391.4	711.5	1875.7	5346.7	6795.3	8115.6	10396.2
72.5°	237.7	248.8	257.3	272.6	386.3	705.6	1584.4	4305.7	5073.4	6028.5	8452.7
75°	220.8	231.0	236.9	252.2	370.2	646.2	1245.5	3643.5	3796.2	4193.6	6732.4
77.5°	201.2	208.9	213.9	231.0	327.8	537.4	900.9	2810.4	2948.1	3044.8	5161.6
80°	178.3	186.0	188.5	204.7	271.7	420.3	587.6	2076.0	2205.1	2227.1	3370.8
82.5°	152.0	159.6	159.6	175.0	222.5	302.3	385.4	1422.2	1447.6	1522.4	2382.5
85°	122.3	128.2	128.2	135.8	172.4	225.8	265.0	714.1	706.5	806.7	2064.1
87.5°	87.4	91.7	95.9	97.7	123.1	149.4	159.6	217.3	143.4	164.8	1325.5
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: P193071

CATALOG NUMBER: GLEON-AF-03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4	5218.4
2.5°	5994.5	6042.9	5993.8	5958.0	5804.4	5677.8	5508.9	5422.3
5°	6443.7	6566.8	6525.2	6375.9	6054.8	5693.9	5283.9	5098.8
7.5°	6389.4	6675.5	6682.3	6402.9	5930.0	5398.5	4843.1	4579.9
10°	5966.5	6332.4	6436.9	6166.0	5664.2	5069.8	4433.0	4132.5
12.5°	5494.4	5852.8	5932.6	5839.2	5419.7	4822.8	4176.7	3882.0
15°	5108.1	5268.6	5363.6	5445.2	5210.0	4724.4	4162.2	3838.8
17.5°	4872.9	4855.1	4882.2	5024.1	5063.9	4837.2	4382.9	4026.3
20°	4788.0	4515.4	4508.7	4703.9	4995.3	5106.4	4814.3	4386.4
22.5°	4834.7	4393.2	4337.1	4568.9	5031.7	5494.4	5379.8	4891.5
25°	4996.0	4403.3	4358.4	4582.6	5164.1	5907.9	5990.3	5545.4
27.5°	5249.9	4467.9	4408.5	4638.6	5339.9	6255.2	6591.5	6178.8
30°	5491.1	4579.9	4506.1	4749.0	5500.3	6392.8	6960.0	6673.0
32.5°	5783.9	4789.7	4659.8	4951.8	5699.1	6611.9	7288.5	7082.1
35°	6071.0	5088.5	4927.3	5265.2	5920.6	6884.4	7663.9	7605.3
37.5°	6385.9	5479.2	5345.8	5670.2	6223.9	7141.6	8142.8	8218.3
40°	6722.1	5997.1	5839.2	6261.2	6694.2	7464.3	8642.9	8824.6
42.5°	7061.0	6572.0	6383.5	6811.3	7211.3	7782.7	9070.8	9339.9
45°	7449.1	7196.1	7106.9	7569.6	7708.0	8085.8	9386.7	9721.3
47.5°	7900.7	7904.2	8047.6	8232.8	8208.9	8429.0	9704.2	10061.6
50°	8428.0	8788.0	9104.8	9227.8	8725.2	8797.3	10144.8	10517.7
52.5°	9061.4	9845.2	10237.5	10156.7	9281.3	9247.3	10842.8	11146.0
55°	9853.6	10964.2	11354.0	11296.2	9920.7	9860.4	11712.3	11888.9
57.5°	10770.7	12048.6	12406.8	12147.0	10688.3	10532.9	12431.5	12468.8
60°	11576.4	12907.8	13222.0	12934.1	11462.7	11248.7	12880.7	12699.7
62.5°	12024.7	13199.1	13419.8	13109.9	11993.4	12011.2	12979.1	12574.9
65°	11824.4	12462.8	12534.2	12508.8	11856.6	12453.6	12625.0	11998.5
67.5°	10727.4	10601.7	10721.4	10887.0	10684.9	11871.1	11644.5	10742.6
70°	8794.9	8104.6	8343.1	8454.4	8546.0	10215.3	10106.7	8749.8
72.5°	6628.0	5677.8	5866.3	5843.4	6267.9	8193.7	7860.0	6433.5
75°	4696.3	3849.7	3873.6	3864.2	4373.6	6410.6	5691.5	4401.6
77.5°	3286.0	2789.3	2802.0	2854.6	2940.3	4834.7	4066.3	3215.5
80°	2259.4	2116.8	2187.3	2191.5	2037.8	3247.7	3004.1	2580.3
82.5°	1682.9	1471.5	1454.5	1479.2	1597.2	2631.3	2308.6	1789.8
85°	1378.1	871.2	700.5	878.0	1415.5	2605.9	1533.5	944.2
87.5°	776.1	413.5	186.9	346.5	564.7	1725.3	443.3	120.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)