

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: P320807

Luminaire Tested: **GLEON-SA3C-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 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: 15080 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

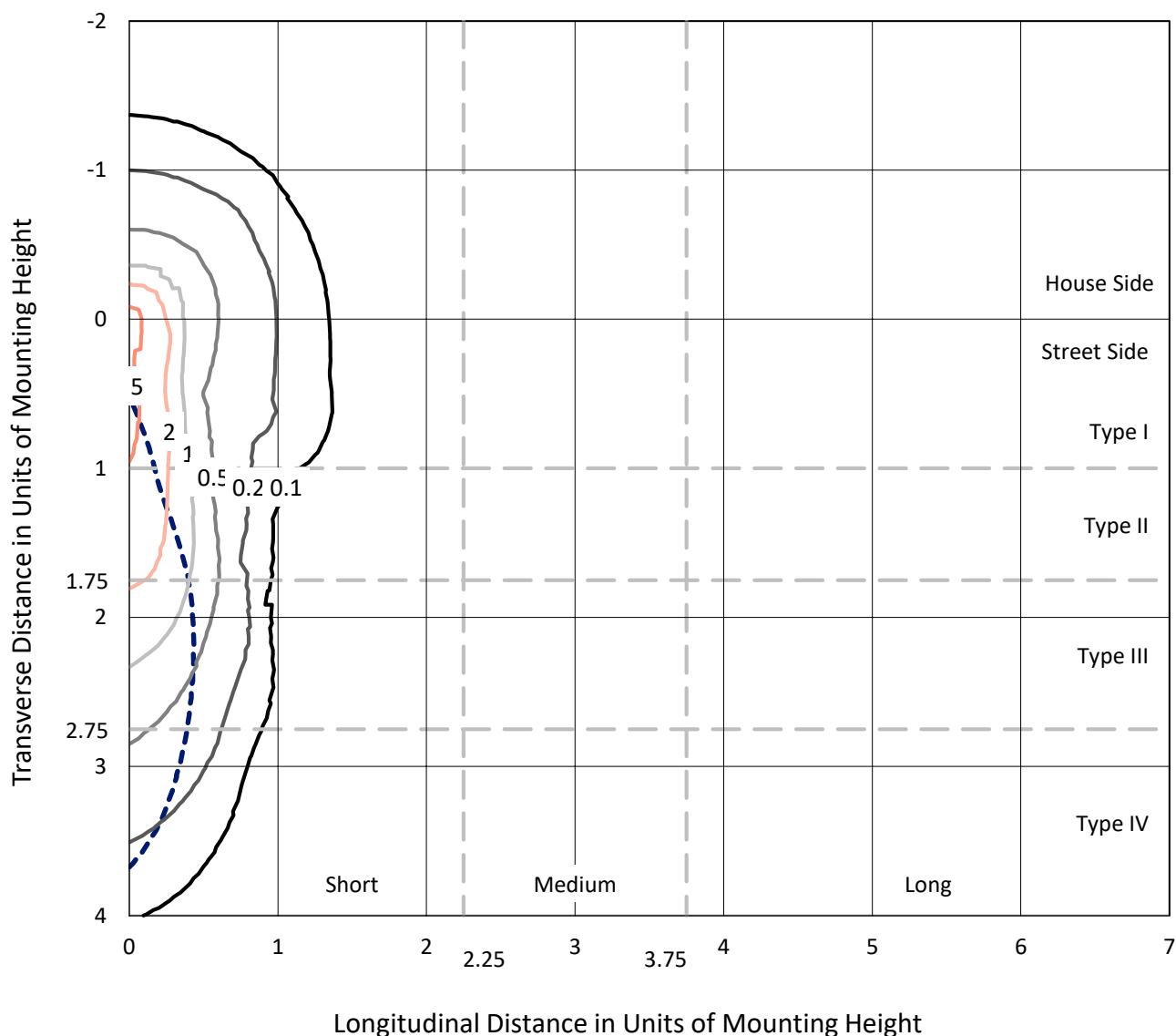
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

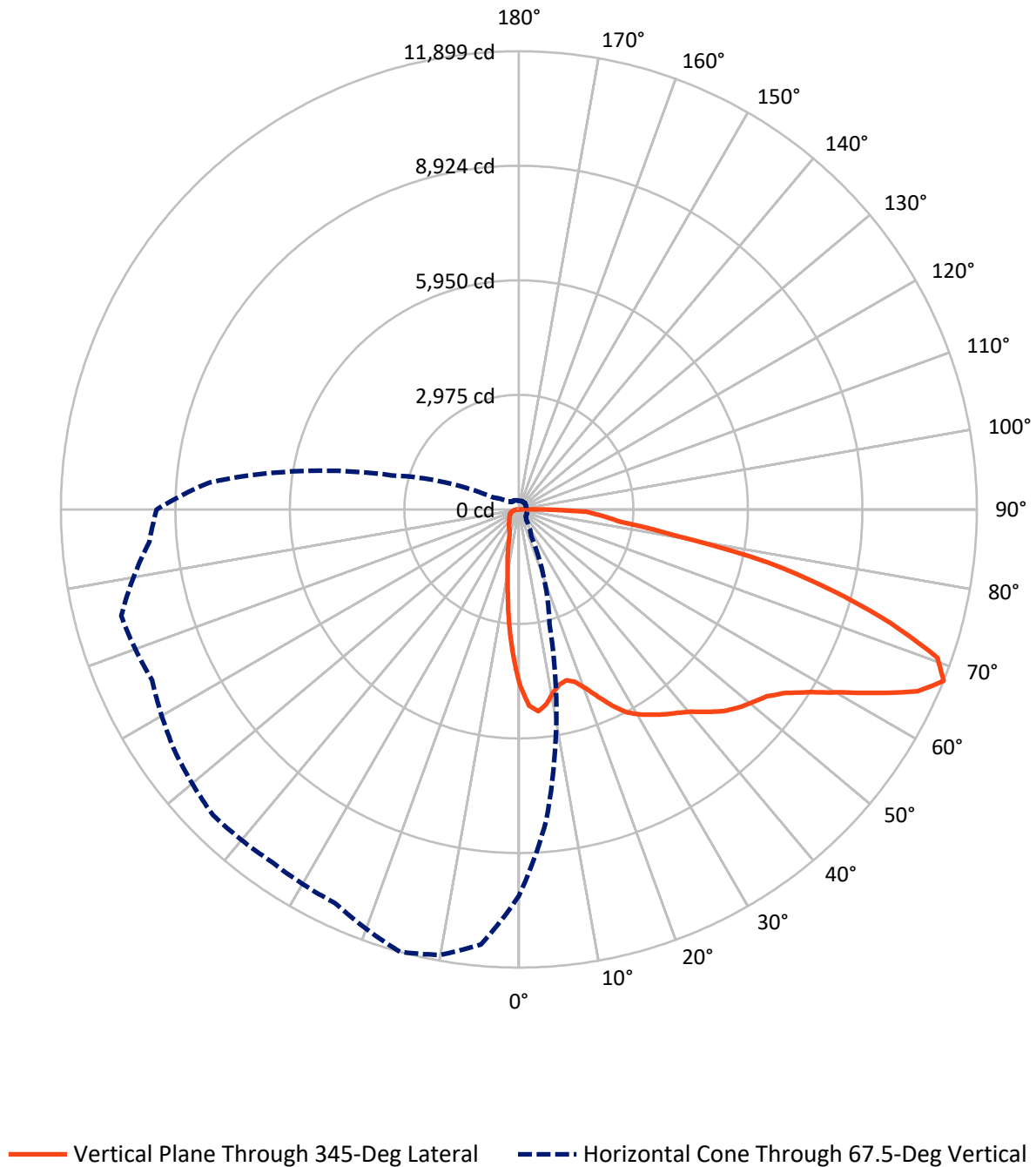
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2607.0	0.0	2607.0
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	12473.0	0.0	12473.0
	% Fixture	82.7	0.0	82.7
Total	Lumens	15080.0	0.0	15080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.6	2.4
10°-20°	736.6	4.9
20°-30°	1047.6	6.9
30°-40°	1509.6	10.0
40°-50°	2127.4	14.1
50°-60°	2957.5	19.6
60°-70°	3576.4	23.7
70°-80°	2198.4	14.6
80°-90°	572.0	3.8
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°	15080.0	100.0
0°-180°	15080.0	100.0

Coefficient of Utilization



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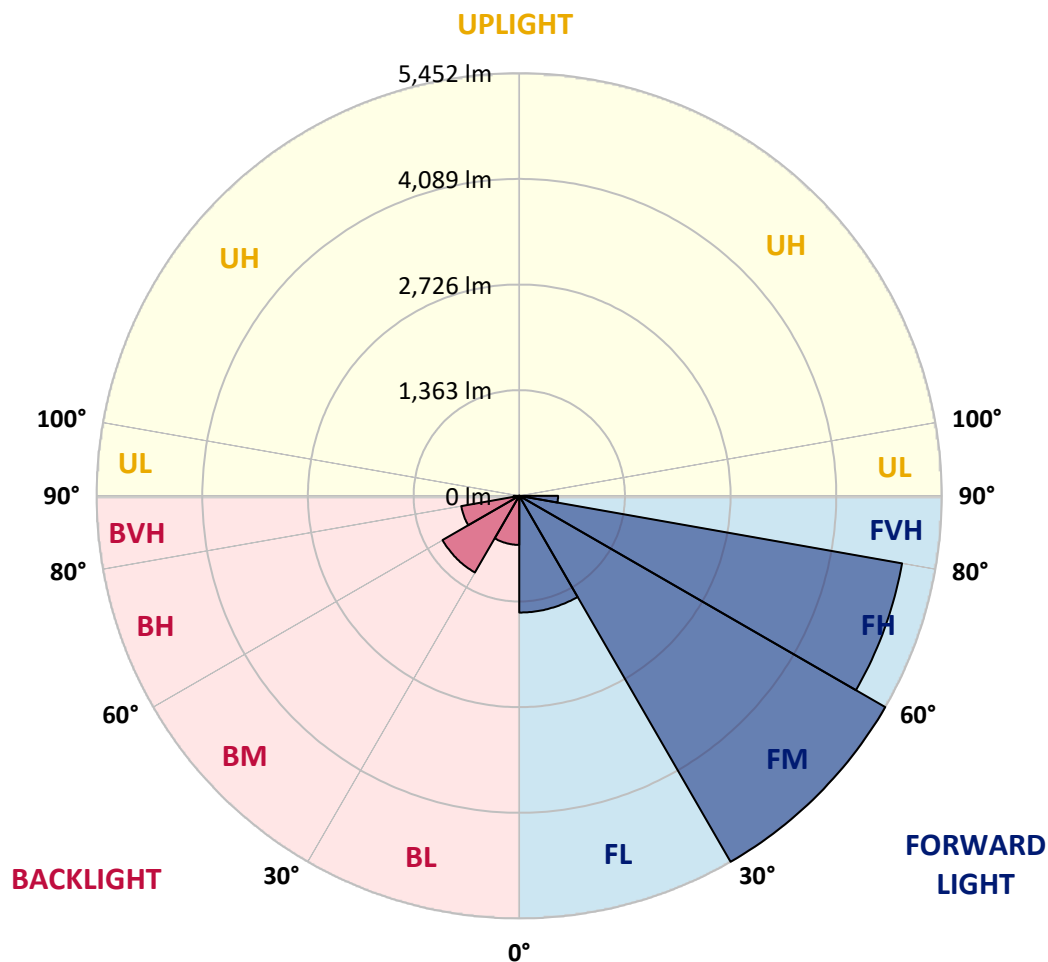
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1505.8	10.0			
FM	(30°-60°)	5451.8	36.2			
FH	(60°-80°)	5015.1	33.3			G3/7500
FVH	(80°-90°)	500.3	3.3			G4/750
BL	(0°-30°)	633.0	4.2	B2/1000		
BM	(30°-60°)	1142.6	7.6	B2/2500		
BH	(60°-80°)	759.7	5.0	B2/1000		G2/1000
BVH	(80°-90°)	71.7	0.5			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4921.6	4878.2	4812.5	4746.8	4697.9	4648.5	4592.4	4536.3	4472.4	4407.9	4369.9
5°	4840.2	4719.6	4562.9	4406.1	4302.4	4198.7	4081.1	3963.6	3847.2	3730.8	3668.1
7.5°	4473.6	4292.8	4089.0	3885.2	3734.5	3583.1	3420.3	3257.0	3112.3	2967.0	2877.1
10°	4113.1	3896.0	3662.1	3427.6	3234.6	3041.7	2878.3	2714.3	2605.2	2496.1	2413.5
12.5°	3854.4	3613.9	3356.4	3098.4	2905.5	2712.5	2608.8	2505.1	2414.7	2324.2	2229.0
15°	3752.0	3480.0	3216.6	2952.5	2777.0	2601.6	2486.4	2370.7	2249.5	2127.7	2010.7
17.5°	3842.4	3524.0	3237.7	2951.3	2721.6	2491.9	2330.9	2169.3	2009.5	1849.7	1714.1
20°	4124.6	3718.2	3343.8	2968.8	2663.1	2357.4	2141.6	1925.1	1720.1	1515.1	1361.4
22.5°	4520.7	3982.9	3493.9	3004.9	2610.0	2214.5	1943.8	1672.5	1430.1	1187.7	1037.0
25°	5001.8	4333.8	3710.4	3086.3	2588.3	2089.7	1756.9	1424.1	1168.5	912.2	804.9
27.5°	5508.9	4752.2	3979.3	3205.7	2591.9	1978.2	1599.5	1220.3	990.0	759.7	686.1
30°	5931.5	5230.3	4292.8	3354.6	2605.8	1857.0	1451.2	1045.5	855.5	665.6	618.0
32.5°	6318.0	5563.7	4529.1	3493.9	2621.5	1748.5	1336.7	924.3	769.3	613.8	574.6
35°	6717.1	5859.7	4694.3	3528.3	2594.4	1659.8	1258.3	856.7	713.9	570.4	537.2
37.5°	7156.6	6179.9	4853.5	3526.5	2548.5	1570.6	1197.4	823.6	677.7	531.2	507.1
40°	7646.8	6533.8	5025.9	3518.0	2506.9	1495.2	1152.2	808.5	657.8	506.5	486.0
42.5°	8126.1	6871.4	5186.3	3501.1	2473.2	1444.6	1107.6	770.5	639.7	508.3	479.3
45°	8486.1	7166.3	5325.6	3484.3	2447.8	1411.4	1072.6	733.7	622.8	511.9	475.1
47.5°	8759.2	7462.3	5479.9	3496.9	2445.4	1393.9	1047.9	701.8	590.9	479.3	464.2
50°	9106.5	7818.0	5704.8	3591.6	2478.6	1365.6	1018.9	671.6	560.1	448.6	469.1
52.5°	9538.7	8325.7	6053.3	3780.3	2547.9	1315.6	973.1	630.7	522.7	414.2	446.2
55°	10173.6	8976.2	6498.8	4020.9	2631.7	1242.0	903.8	564.9	473.3	381.0	409.4
57.5°	10743.4	9633.4	6926.3	4218.6	2684.2	1149.2	816.3	483.5	417.8	352.1	368.4
60°	10997.2	9972.2	7126.5	4280.1	2652.8	1025.6	718.1	410.0	369.0	328.0	325.0
62.5°	10898.3	9757.0	6929.3	4101.6	2499.7	897.7	631.3	364.8	334.0	302.7	296.0
65°	10608.9	9080.5	6377.1	3673.6	2241.0	808.5	576.4	344.3	309.9	275.5	268.3
67.5°	10038.6	8117.7	5594.5	3071.3	1912.5	753.6	545.0	336.4	294.8	252.6	244.2
70°	9014.8	6958.9	4693.1	2426.7	1573.6	719.9	524.5	329.2	278.5	227.3	219.5
72.5°	7404.4	5579.4	3747.7	1915.5	1315.6	715.7	522.1	328.6	265.3	202.0	194.7
75°	5301.4	4237.9	2860.8	1483.2	1077.4	671.6	495.6	319.5	247.2	174.2	167.6
77.5°	3567.5	2933.2	1988.4	1043.0	799.5	555.9	416.6	277.3	211.6	145.9	139.3
80°	2291.1	2030.0	1332.4	634.9	518.5	402.1	297.8	193.5	154.3	114.6	109.1
82.5°	1680.9	1510.9	926.1	341.3	288.2	234.5	182.1	129.6	105.5	81.4	79.0
85°	1068.4	1178.1	681.9	185.7	151.9	118.2	97.7	77.2	60.9	44.6	44.6
87.5°	207.4	287.0	188.7	89.8	65.7	41.6	35.6	28.9	16.3	3.0	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4331.4	4289.8	4248.2	4201.1	4153.5	4109.5	4064.9	4016.0	4025.1	3987.7	3950.3
5°	3605.4	3539.1	3472.2	3414.3	3356.4	3306.4	3255.8	3210.5	3249.7	3223.2	3196.7
7.5°	2786.7	2704.7	2622.1	2552.7	2483.4	2429.8	2375.5	2338.1	2376.7	2371.9	2367.1
10°	2330.9	2251.3	2171.1	2094.5	2018.0	1952.8	1887.1	1831.7	1822.0	1794.3	1765.9
12.5°	2133.1	2024.0	1914.3	1834.1	1753.9	1676.1	1598.3	1533.2	1503.7	1457.9	1411.4
15°	1893.8	1764.7	1635.7	1544.7	1453.0	1377.7	1301.7	1245.6	1226.9	1191.4	1155.8
17.5°	1578.4	1437.4	1296.3	1204.0	1111.2	1050.9	990.0	952.6	952.6	942.4	932.1
20°	1207.6	1081.6	955.6	885.1	814.5	782.6	750.0	734.4	739.2	739.8	739.8
22.5°	885.7	808.5	731.3	703.0	674.1	662.6	651.2	644.5	646.9	647.5	648.1
25°	697.6	668.0	637.9	623.4	608.3	601.1	593.9	591.5	596.9	597.5	597.5
27.5°	612.6	594.5	575.8	566.7	557.1	554.1	551.1	546.8	552.3	552.3	551.7
30°	569.8	550.5	531.2	519.7	508.3	509.5	510.1	508.9	512.5	514.9	516.7
32.5°	534.8	516.1	497.4	486.0	473.9	472.1	470.3	469.1	476.9	481.1	485.3
35°	503.4	482.9	462.4	451.6	440.7	436.5	432.3	429.3	436.5	441.9	447.4
37.5°	482.3	461.2	439.5	429.3	418.4	413.0	407.6	404.0	407.0	409.4	411.8
40°	465.5	443.7	421.4	409.4	397.3	391.9	386.5	383.5	385.3	385.9	386.5
42.5°	449.8	428.7	407.6	394.3	380.4	373.8	367.2	363.6	364.8	366.0	366.6
45°	438.3	417.2	395.5	379.8	363.6	356.3	349.1	344.9	345.5	345.5	345.5
47.5°	449.2	418.4	387.1	369.0	350.3	341.9	333.4	329.2	328.0	326.8	325.6
50°	489.0	436.5	383.5	360.5	337.0	328.0	318.3	313.5	310.5	309.3	308.1
52.5°	477.5	432.3	386.5	356.9	326.8	315.9	305.1	297.2	294.2	292.4	290.6
55°	437.1	408.8	379.8	344.3	308.7	299.0	288.8	283.4	277.9	276.7	275.5
57.5°	384.1	372.6	361.1	325.0	288.8	279.8	270.1	266.5	261.7	261.7	261.1
60°	321.4	338.2	355.1	313.5	271.3	261.1	250.8	247.8	246.0	245.4	244.8
62.5°	288.8	316.5	343.7	299.6	255.0	244.2	233.3	229.7	229.1	229.7	229.7
65°	261.1	269.5	277.9	257.4	236.9	226.1	214.6	211.0	212.2	214.0	215.8
67.5°	235.7	233.9	232.1	224.9	217.1	208.0	198.4	194.7	195.3	197.8	200.2
70°	211.6	209.2	206.2	200.8	195.3	187.5	179.7	177.3	176.7	179.7	182.1
72.5°	187.5	184.5	180.9	176.7	171.8	165.2	158.6	156.8	157.4	159.2	161.0
75°	161.0	158.6	155.6	151.9	147.7	141.7	135.7	134.5	135.7	137.5	139.3
77.5°	132.0	131.4	130.2	127.2	124.2	117.6	110.3	109.7	111.5	113.3	114.6
80°	103.1	103.7	104.3	101.9	99.5	92.2	84.4	83.8	85.6	87.4	89.2
82.5°	76.0	77.8	79.0	76.0	73.0	64.5	56.1	54.9	60.9	62.7	64.5
85°	44.0	46.4	48.8	46.4	44.0	35.6	27.1	26.5	32.0	35.0	38.0
87.5°	3.6	4.8	6.0	5.4	4.8	2.4	0.0	0.0	0.6	3.0	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807

CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	3926.8	3903.3	3896.0	3888.8	3862.3	3835.2	3862.9	3890.0	3901.5	3912.9	3883.4
5°	3193.0	3188.8	3188.8	3188.2	3164.1	3139.4	3158.1	3176.2	3135.8	3095.4	3091.2
7.5°	2393.0	2418.9	2440.0	2460.5	2452.7	2444.8	2462.3	2479.8	2428.5	2376.7	2351.4
10°	1772.0	1777.4	1800.3	1823.2	1828.6	1833.5	1855.2	1876.3	1836.5	1796.7	1779.2
12.5°	1382.5	1353.5	1356.6	1359.0	1369.8	1380.1	1403.0	1425.3	1409.0	1392.1	1393.9
15°	1119.6	1082.8	1067.8	1052.1	1064.1	1076.2	1092.5	1108.2	1108.8	1108.8	1124.4
17.5°	914.0	895.3	880.3	864.6	880.9	896.5	898.3	900.2	900.8	901.4	900.2
20°	748.8	757.9	753.0	748.2	754.2	759.7	764.5	768.7	763.3	757.3	742.2
22.5°	656.6	664.4	670.4	675.9	686.1	695.8	690.9	685.5	674.7	663.2	651.8
25°	602.9	608.3	614.4	620.4	628.8	636.7	628.2	619.8	612.0	604.1	596.3
27.5°	557.7	563.1	568.6	573.4	581.2	588.4	580.6	572.8	566.1	559.5	553.5
30°	520.9	524.5	528.8	533.0	540.2	546.8	540.2	533.0	528.2	522.7	518.5
32.5°	489.6	493.2	495.0	496.8	503.4	510.1	505.2	500.4	496.2	492.0	489.0
35°	455.2	462.4	463.6	464.8	471.5	478.1	475.1	471.5	466.7	461.8	456.4
37.5°	420.2	428.7	433.5	437.7	444.3	451.0	448.0	445.0	438.3	431.7	422.0
40°	390.7	394.3	403.4	411.8	422.6	432.9	426.9	420.2	410.0	399.7	394.9
42.5°	366.0	365.4	373.8	382.2	398.5	414.2	403.4	392.5	382.9	373.2	372.0
45°	344.3	342.5	346.7	350.9	368.4	385.3	374.4	363.0	357.5	352.1	352.1
47.5°	325.0	323.8	326.8	329.2	340.0	350.3	344.9	339.4	336.4	333.4	334.0
50°	307.5	306.3	309.3	311.7	315.9	319.5	320.8	321.4	319.5	317.7	318.9
52.5°	291.2	291.2	292.4	293.0	298.4	303.9	303.9	303.3	303.3	303.3	304.5
55°	277.3	278.5	278.5	278.5	287.0	294.8	292.4	290.0	290.6	290.6	291.8
57.5°	263.5	265.3	266.5	267.7	276.1	284.6	282.2	279.8	279.8	279.8	280.4
60°	247.8	250.2	252.6	255.0	263.5	271.9	269.5	266.5	267.1	267.7	268.3
62.5°	232.7	235.1	237.5	240.0	248.4	256.8	254.4	251.4	253.2	254.4	254.4
65°	218.3	220.1	222.5	224.9	232.7	240.6	238.2	235.7	238.2	240.0	241.2
67.5°	202.0	203.2	205.6	208.0	215.8	223.7	221.3	218.3	221.3	223.7	226.1
70°	183.3	184.5	187.5	189.9	197.8	205.6	202.6	199.6	202.6	205.6	208.0
72.5°	162.8	164.0	167.0	169.4	178.5	187.5	183.9	180.3	183.9	187.5	188.7
75°	140.5	141.7	145.3	148.3	157.4	166.4	163.4	159.8	162.8	165.8	166.4
77.5°	116.4	118.2	123.0	127.8	135.1	142.3	140.5	138.7	140.5	142.3	142.3
80°	91.0	92.8	98.9	104.3	108.5	112.7	113.3	114.0	114.6	115.2	114.6
82.5°	67.5	69.9	75.4	80.8	80.8	80.8	85.6	89.8	89.8	89.2	88.6
85°	41.6	44.6	49.4	54.3	51.2	48.2	56.1	63.3	63.3	62.7	61.5
87.5°	8.4	11.5	16.3	20.5	17.5	14.5	22.3	30.1	30.7	30.7	29.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807
 CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807

CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	3853.2	3900.3	3946.7	3958.8	3976.8	3984.7	3991.9	4051.0	4109.5	4178.2	4246.9
5°	3086.3	3121.3	3156.3	3161.7	3180.4	3190.0	3199.7	3271.4	3342.6	3438.4	3534.3
7.5°	2326.1	2334.5	2342.9	2341.7	2357.4	2378.5	2399.0	2475.6	2551.5	2654.6	2757.1
10°	1761.7	1781.0	1799.7	1817.2	1851.6	1891.4	1930.5	2008.9	2087.3	2189.2	2290.5
12.5°	1395.8	1418.1	1439.8	1459.1	1498.9	1551.9	1604.4	1698.4	1792.5	1914.3	2035.4
15°	1139.5	1137.7	1135.9	1149.2	1184.1	1242.0	1299.3	1398.8	1498.2	1632.1	1765.3
17.5°	898.9	889.9	880.9	891.1	923.7	971.3	1018.3	1102.7	1186.5	1316.2	1445.8
20°	727.1	721.1	715.1	724.7	745.2	765.1	785.0	845.9	906.2	1011.7	1116.6
22.5°	639.7	639.1	637.9	643.3	653.0	663.2	672.9	702.4	731.3	799.5	867.0
25°	588.4	587.8	587.2	589.7	597.5	605.3	613.2	632.5	651.8	684.3	716.9
27.5°	547.4	546.2	545.0	545.6	547.4	559.5	571.0	580.0	588.4	610.8	632.5
30°	514.3	513.7	513.1	513.1	511.3	515.5	519.7	533.6	546.8	569.8	592.7
32.5°	486.0	482.9	479.9	473.3	469.1	475.1	481.1	495.6	510.1	531.2	552.3
35°	450.4	442.5	434.1	430.5	431.1	437.1	443.1	457.6	471.5	494.4	516.7
37.5°	411.8	409.4	406.4	405.8	407.6	413.6	419.6	432.3	444.3	467.3	489.6
40°	390.1	388.9	387.7	386.5	387.7	393.7	399.7	411.8	423.2	445.6	467.3
42.5°	370.8	370.2	369.6	369.6	370.2	376.8	383.5	395.5	407.0	426.9	446.8
45°	352.1	352.7	352.7	353.9	355.7	362.4	368.4	381.6	394.9	414.2	433.5
47.5°	334.6	336.4	337.6	340.6	342.5	349.7	356.3	370.8	385.3	409.4	432.9
50°	319.5	321.4	322.6	325.0	329.8	338.2	346.7	364.2	381.0	421.4	461.2
52.5°	305.7	307.5	309.3	311.7	317.7	327.4	337.0	358.7	379.8	426.9	473.9
55°	293.0	294.8	296.0	299.6	305.7	314.1	322.0	348.5	375.0	409.4	443.7
57.5°	281.0	282.8	284.0	286.4	289.4	298.4	306.9	335.2	363.6	387.7	411.2
60°	268.3	269.5	270.1	270.1	272.5	282.8	293.0	329.2	364.8	360.5	355.7
62.5°	254.4	255.6	256.2	254.4	257.4	268.3	279.2	326.2	373.2	344.3	315.3
65°	241.8	241.2	240.6	238.8	242.4	253.2	263.5	287.0	310.5	299.0	287.6
67.5°	227.9	226.1	224.3	221.9	225.5	235.1	244.2	252.0	259.9	261.1	262.3
70°	210.4	208.0	205.6	205.0	206.8	214.6	222.5	227.9	232.7	235.1	236.9
72.5°	189.9	188.1	186.3	185.1	185.7	192.3	198.4	203.2	208.0	209.8	211.0
75°	167.0	167.0	166.4	162.8	162.8	168.2	173.0	177.3	181.5	183.9	186.3
77.5°	142.3	142.9	142.9	138.1	137.5	142.9	147.7	151.3	154.3	156.8	158.6
80°	114.0	112.7	111.5	108.5	107.3	114.0	120.0	123.0	125.4	126.0	126.0
82.5°	87.4	85.0	82.0	75.4	76.0	83.2	89.8	92.2	94.7	94.7	94.7
85°	59.7	54.9	49.4	44.0	44.6	52.5	59.7	62.1	64.5	65.7	66.3
87.5°	28.3	23.5	18.1	13.9	13.9	20.5	26.5	27.7	28.9	31.4	33.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807
 CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320807

CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4299.4	4351.3	4404.9	4458.6	4520.1	4581.6	4653.3	4724.5	4785.4	4846.2	4896.9
5°	3616.9	3699.5	3796.6	3893.6	4017.2	4140.8	4292.2	4442.9	4577.3	4711.8	4868.0
7.5°	2865.1	2972.4	3099.0	3225.6	3385.4	3545.2	3741.1	3937.0	4127.0	4316.3	4556.2
10°	2403.2	2516.0	2640.8	2765.0	2927.8	3089.9	3297.4	3504.2	3717.6	3930.4	4201.7
12.5°	2160.9	2285.7	2395.4	2505.1	2637.2	2768.6	2969.4	3170.1	3421.0	3671.2	3932.2
15°	1902.2	2038.5	2169.9	2301.3	2445.4	2588.9	2784.3	2979.6	3253.9	3528.3	3828.5
17.5°	1589.3	1732.8	1893.2	2052.9	2241.0	2428.5	2678.8	2929.0	3253.9	3578.3	3932.2
20°	1263.1	1409.6	1601.3	1793.1	2027.0	2260.3	2584.7	2909.1	3346.8	3783.9	4235.5
22.5°	996.6	1125.6	1334.9	1543.5	1813.6	2083.7	2499.7	2915.1	3487.3	4058.8	4668.4
25°	807.9	898.9	1104.5	1309.5	1621.2	1933.0	2447.8	2962.1	3691.7	4420.6	5176.6
27.5°	692.1	751.8	943.6	1134.7	1475.3	1815.4	2426.7	3037.5	3950.9	4864.3	5729.5
30°	634.3	675.9	838.1	999.6	1345.7	1691.8	2401.4	3111.1	4200.5	5289.4	6161.8
32.5°	586.0	619.2	757.9	895.9	1233.6	1571.2	2352.6	3133.4	4374.8	5616.2	6527.8
35°	545.0	572.8	693.4	813.9	1145.5	1477.1	2270.6	3064.0	4483.9	5903.8	6908.8
37.5°	511.9	533.6	645.1	756.7	1069.6	1382.5	2177.1	2971.8	4581.0	6190.1	7337.5
40°	486.0	504.6	608.9	713.3	997.2	1281.2	2096.9	2912.1	4714.8	6517.5	7790.3
42.5°	471.5	495.6	577.6	659.0	928.5	1198.0	2032.4	2866.9	4839.0	6810.5	8186.4
45°	467.9	502.2	561.3	620.4	877.2	1134.1	1975.2	2815.6	4919.2	7022.8	8484.8
47.5°	461.8	490.2	548.7	607.1	851.9	1096.1	1944.4	2792.1	4999.4	7206.1	8732.6
50°	465.5	469.1	538.4	607.1	848.3	1089.5	1979.4	2869.3	5173.0	7476.2	9016.0
52.5°	458.8	443.1	519.1	595.1	847.7	1100.3	2080.1	3059.8	5495.6	7930.8	9322.9
55°	423.9	403.4	482.9	562.5	835.0	1107.0	2200.0	3292.5	5928.5	8563.8	9874.6
57.5°	393.1	374.4	441.9	508.9	796.5	1084.0	2323.6	3562.6	6386.1	9209.0	10496.2
60°	352.1	347.9	396.1	444.3	736.8	1028.6	2425.5	3821.9	6693.6	9564.7	10735.5
62.5°	318.3	320.8	356.3	391.9	662.0	931.5	2459.3	3986.5	6685.1	9383.8	10494.4
65°	292.4	296.6	331.6	366.6	598.1	829.6	2348.4	3866.5	6346.9	8826.7	10017.5
67.5°	267.1	271.9	313.5	354.5	541.4	727.7	2071.0	3413.7	5738.6	8062.8	9410.9
70°	243.0	249.0	294.2	339.4	500.4	660.8	1713.5	2766.2	4977.1	7187.4	8708.5
72.5°	217.1	223.1	271.3	319.5	474.5	628.8	1397.0	2164.5	4038.9	5912.8	7449.0
75°	190.5	194.7	247.2	299.0	438.9	578.8	1096.1	1612.8	3091.2	4569.5	5626.4
77.5°	164.0	169.4	213.4	256.8	372.6	487.8	826.0	1164.2	2268.2	3371.5	3912.9
80°	130.8	135.7	167.0	197.8	287.6	376.8	567.9	759.1	1561.0	2362.8	2667.9
82.5°	100.1	105.5	126.6	147.1	205.0	262.9	344.3	425.7	1037.0	1647.8	1673.1
85°	68.7	70.5	85.6	100.1	126.6	153.1	197.2	241.2	686.1	1131.1	942.4
87.5°	34.4	34.4	44.6	54.9	68.1	81.4	104.3	126.6	219.5	312.3	179.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807
 CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807

CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4961.4	5005.4	5050.0	5083.8	5118.2	5167.6	5217.0	5226.1	5235.7	5216.4	5197.1
5°	5025.3	5158.6	5292.4	5416.0	5539.6	5613.8	5687.9	5703.0	5718.1	5671.6	5624.6
7.5°	4788.4	5020.5	5252.6	5465.4	5678.3	5807.3	5936.9	5965.9	5995.4	5919.4	5843.5
10°	4471.8	4757.0	5042.2	5322.6	5602.9	5790.4	5977.9	6015.3	6052.7	5958.0	5863.4
12.5°	4227.1	4531.5	4836.0	5131.4	5427.5	5621.6	5815.7	5862.2	5908.6	5839.9	5770.5
15°	4151.7	4438.1	4724.5	4981.9	5240.0	5398.5	5557.7	5576.4	5595.7	5584.8	5574.0
17.5°	4288.5	4547.2	4806.5	4946.3	5086.8	5150.1	5214.0	5234.5	5255.6	5282.8	5310.5
20°	4620.2	4802.2	4984.9	4978.9	4972.3	4941.5	4910.2	4904.7	4899.3	4977.1	5055.5
22.5°	5115.1	5187.5	5260.4	5091.0	4921.6	4818.5	4714.8	4694.3	4673.2	4755.8	4839.0
25°	5652.3	5639.1	5625.2	5302.7	4979.5	4782.9	4586.4	4563.5	4540.6	4611.1	4682.3
27.5°	6184.1	6097.3	6010.5	5572.2	5133.8	4848.7	4563.5	4540.6	4517.7	4580.4	4643.1
30°	6574.2	6434.9	6295.7	5799.5	5303.3	4964.4	4625.6	4588.2	4550.2	4627.4	4704.6
32.5°	6878.7	6691.8	6504.9	5983.9	5463.0	5096.5	4729.9	4671.4	4612.9	4716.0	4819.1
35°	7182.5	6919.7	6656.2	6148.5	5640.3	5252.6	4864.3	4792.6	4720.8	4862.5	5004.2
37.5°	7564.8	7187.4	6809.3	6333.6	5857.9	5486.5	5114.5	5041.0	4967.4	5147.7	5328.6
40°	7979.6	7476.2	6972.7	6536.2	6099.7	5810.3	5520.3	5450.4	5379.8	5599.3	5818.8
42.5°	8324.5	7745.1	7165.7	6780.4	6394.5	6190.8	5986.4	5985.8	5984.6	6207.0	6429.5
45°	8604.8	7969.4	7333.3	7018.6	6703.2	6597.1	6491.0	6576.0	6661.0	6861.8	7063.2
47.5°	8814.0	8157.5	7500.3	7291.1	7081.9	7097.5	7113.2	7286.3	7459.3	7588.3	7717.9
50°	8950.3	8328.1	7705.3	7640.8	7576.3	7716.7	7857.8	8056.2	8255.1	8343.2	8431.2
52.5°	9148.7	8559.6	7970.0	8042.3	8114.7	8401.6	8688.6	8889.4	9090.2	9122.7	9155.9
55°	9607.5	8985.3	8362.5	8501.1	8640.4	9061.2	9482.7	9639.4	9796.2	9808.3	9820.3
57.5°	10259.2	9581.6	8903.9	9053.4	9202.9	9688.9	10175.4	10344.2	10513.7	10490.2	10466.0
60°	10747.0	10147.7	9547.8	9698.5	9849.2	10323.1	10797.0	10991.2	11185.9	11134.1	11082.2
62.5°	10777.1	10457.0	10136.2	10272.5	10409.4	10873.6	11337.9	11537.4	11737.0	11646.5	11556.1
65°	10297.8	10441.3	10584.8	10630.0	10675.2	11108.1	11541.6	11694.2	11847.3	11801.5	11755.7
67.5°	9637.6	10166.4	10695.7	10604.7	10513.7	10716.8	10920.0	11077.4	11234.8	11208.8	11182.3
70°	8978.6	9684.7	10390.7	9943.3	9495.3	9411.5	9327.7	9497.1	9667.2	9562.3	9456.8
72.5°	7856.6	8609.0	9362.1	8537.9	7713.7	7427.3	7140.9	7356.2	7571.4	7404.4	7236.8
75°	6167.2	6998.7	7830.7	6847.3	5864.0	5481.7	5099.5	5284.6	5469.7	5355.1	5240.0
77.5°	4591.2	5410.6	6229.9	5230.3	4230.1	3946.1	3661.5	3716.4	3771.8	3752.6	3732.7
80°	3114.1	3685.0	4256.6	3591.0	2925.4	2947.1	2969.4	2943.4	2916.9	2955.5	2994.1
82.5°	1987.2	2427.9	2869.3	2516.0	2162.7	2365.2	2567.8	2468.3	2368.3	2405.0	2442.4
85°	1134.1	1565.2	1996.9	1861.2	1724.9	1843.1	1961.9	1807.5	1653.2	1720.7	1788.9
87.5°	299.0	865.8	1433.1	1301.1	1169.1	1015.9	862.8	658.4	454.0	663.2	872.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807
 CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807

CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	5186.9	5176.6	5139.9	5102.5	5047.0	5001.2	4921.6
5°	5559.5	5494.4	5382.2	5269.5	5144.1	5000.0	4840.2
7.5°	5691.5	5539.0	5323.8	5107.9	4913.8	4685.9	4473.6
10°	5635.5	5407.0	5127.2	4846.8	4611.1	4348.8	4113.1
12.5°	5528.1	5285.2	4977.1	4668.4	4400.1	4118.5	3854.4
15°	5380.4	5186.3	4897.5	4608.7	4338.6	4064.9	3752.0
17.5°	5218.8	5126.6	4918.0	4708.8	4474.8	4209.6	3842.4
20°	5088.6	5122.4	5039.2	4956.0	4768.5	4536.9	4124.6
22.5°	5000.6	5162.8	5226.7	5291.2	5178.5	4997.6	4520.7
25°	4951.2	5220.1	5434.1	5648.7	5598.7	5459.4	5001.8
27.5°	4972.9	5302.7	5634.9	5967.7	6014.1	5975.5	5508.9
30°	5038.0	5372.0	5776.5	6181.7	6366.8	6418.7	5931.5
32.5°	5146.5	5473.9	5914.6	6355.9	6635.7	6800.9	6318.0
35°	5310.5	5616.8	6076.2	6535.6	6897.4	7198.8	6717.1
37.5°	5592.1	5855.5	6279.4	6703.8	7172.9	7625.7	7156.6
40°	6004.4	6190.8	6548.9	6907.6	7497.9	8109.2	7646.8
42.5°	6524.8	6620.6	6904.6	7188.6	7837.3	8548.2	8126.1
45°	7088.5	7113.8	7292.3	7471.3	8106.2	8847.2	8486.1
47.5°	7631.1	7544.3	7615.4	7686.6	8312.4	9060.6	8759.2
50°	8189.4	7947.7	7910.3	7872.9	8518.6	9312.1	9106.5
52.5°	8757.4	8358.8	8211.1	8062.8	8764.6	9645.5	9538.7
55°	9313.3	8806.2	8607.2	8408.3	9140.8	10052.4	10173.6
57.5°	9891.5	9316.9	9132.4	8947.9	9693.7	10567.9	10743.4
60°	10513.7	9944.5	9796.8	9648.5	10381.0	11125.0	10997.2
62.5°	11103.9	10651.7	10574.0	10495.6	11076.2	11553.1	10898.3
65°	11498.2	11240.2	11312.5	11385.5	11601.9	11659.8	10608.9
67.5°	11234.8	11287.2	11592.9	11899.2	11750.2	11342.7	10038.6
70°	9770.9	10085.6	10809.7	11534.4	11204.0	10493.2	9014.8
72.5°	7590.1	7944.0	9019.0	10094.6	9790.2	8919.6	7404.4
75°	5639.1	6038.8	7225.4	8411.9	7989.3	6671.9	5301.4
77.5°	4000.4	4268.0	5439.5	6611.6	5922.5	4441.1	3567.5
80°	2912.1	2830.1	3483.1	4136.0	4021.5	2937.4	2291.1
82.5°	2242.2	2042.1	2349.6	2657.1	2640.2	2038.5	1680.9
85°	1708.7	1628.5	1900.4	2172.3	1939.6	1380.7	1068.4
87.5°	996.0	1120.2	1440.4	1761.1	1321.6	419.0	207.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320807
 CATALOG NUMBER: GLEON-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

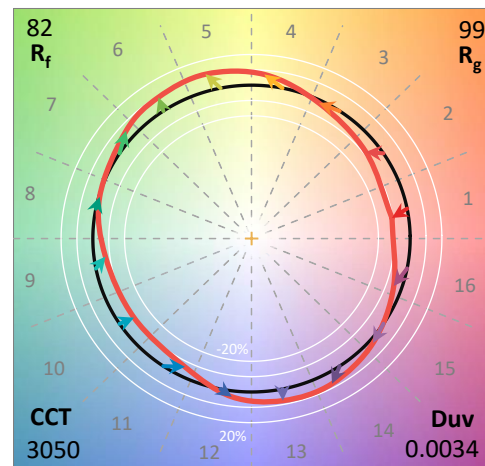
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2408-195-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/07/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **GALN-SB1A-830-U-5WQ**
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K): 3050
 CIE u' : 0.2476
 CIE v' : 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 81.0
 R1: 79.6
 R2: 85.6
 R3: 92.0
 R4: 82.6
 R5: 78.9
 R6: 81.7
 R7: 85.2
 R8: 62.0
 R9: 7.1
 R10: 67.0
 R11: 82.7
 R12: 63.2
 R13: 80.3
 R14: 95.0
 R15: 71.7



Test Conditions

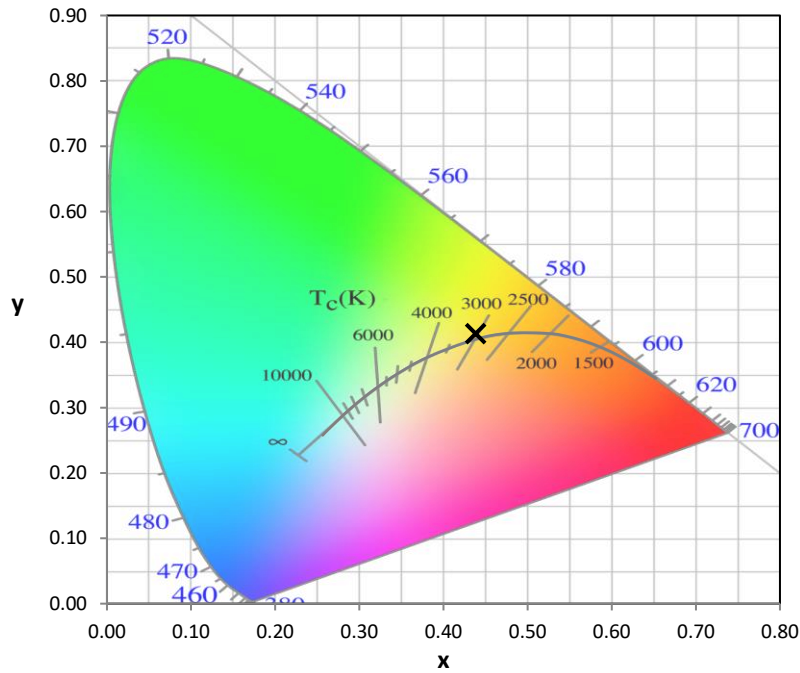
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

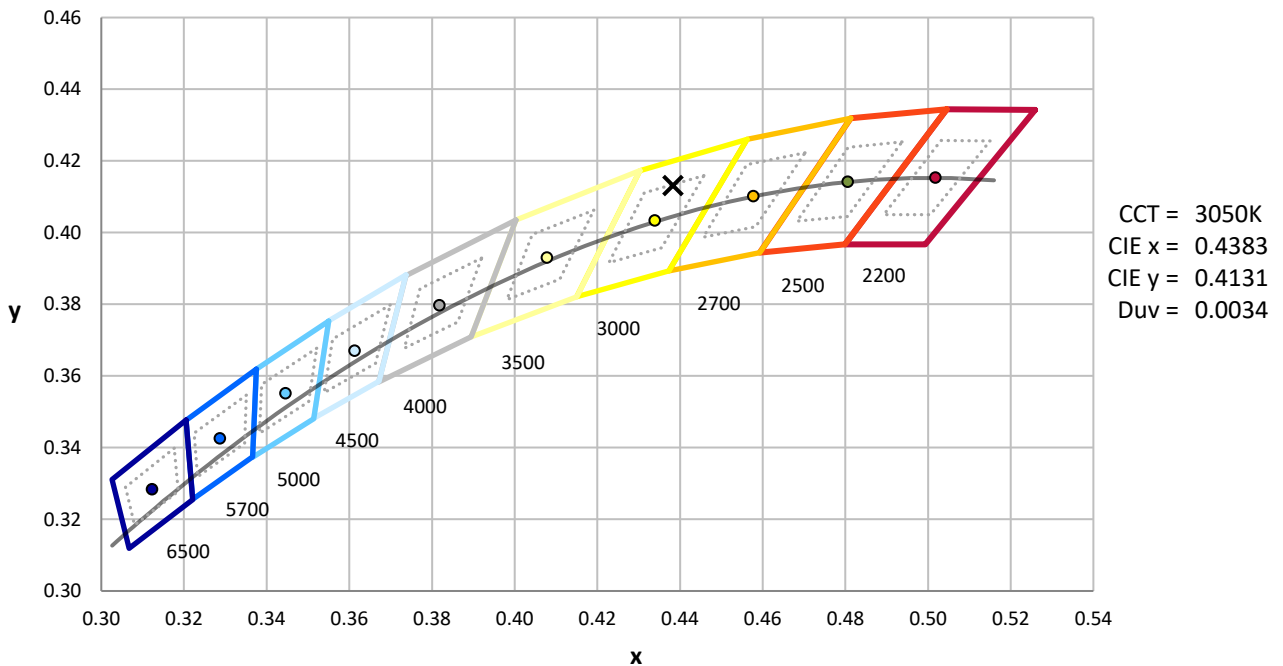
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



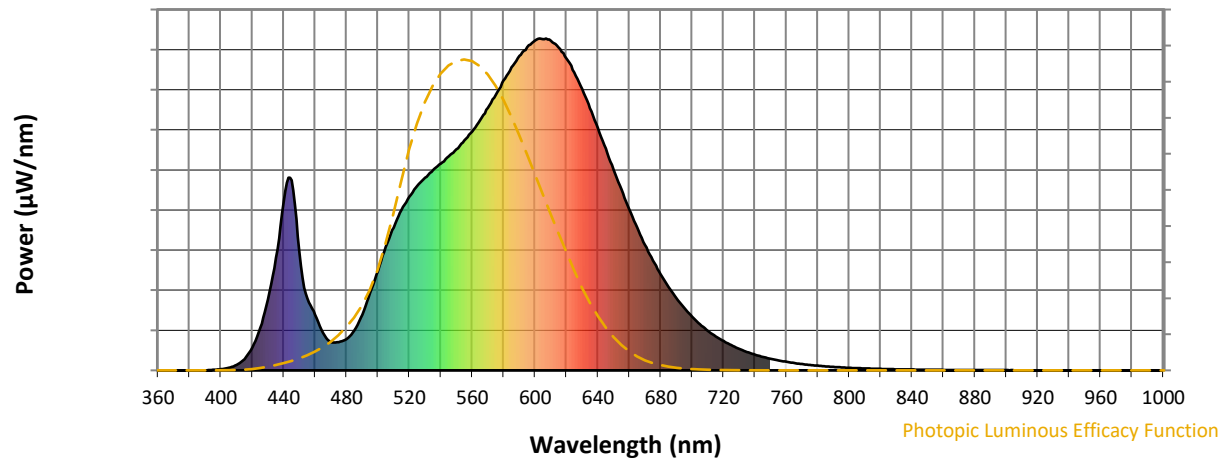
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

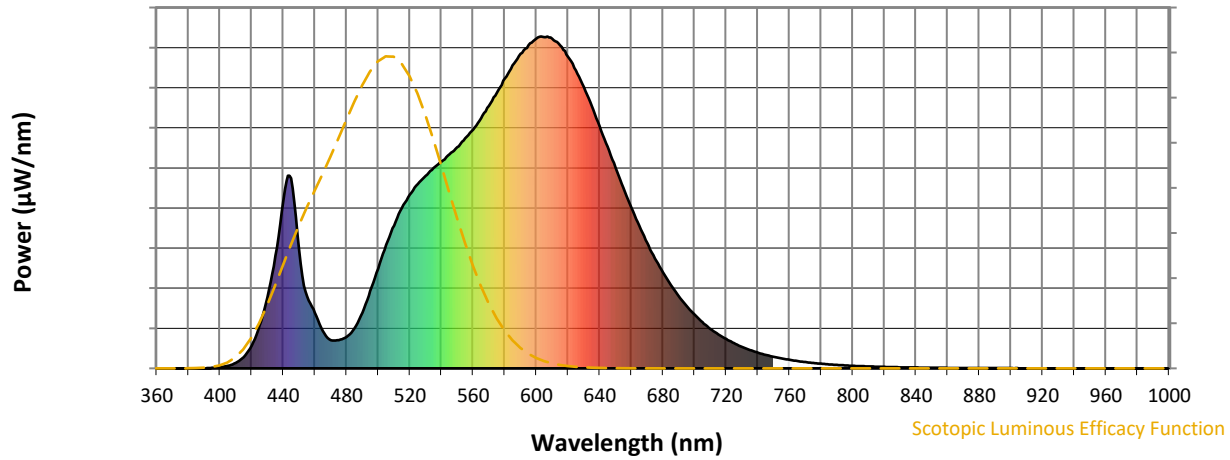


Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

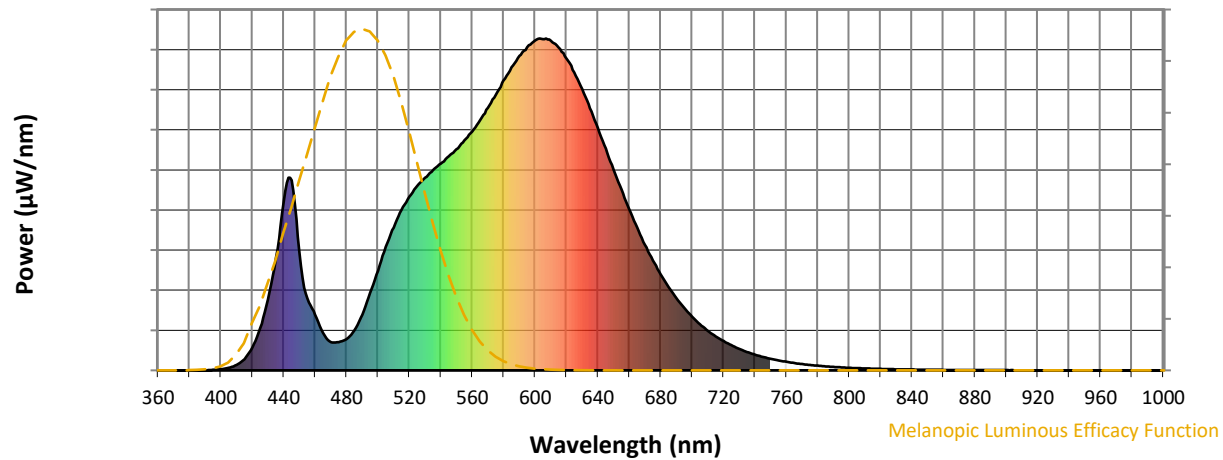
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.27

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

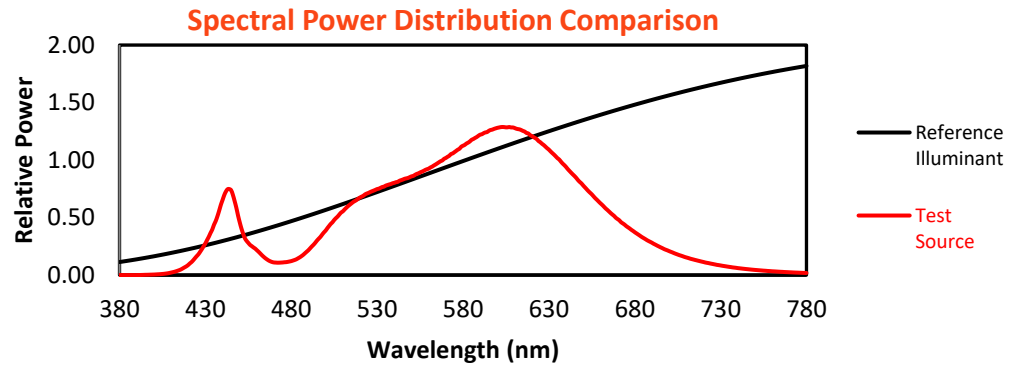
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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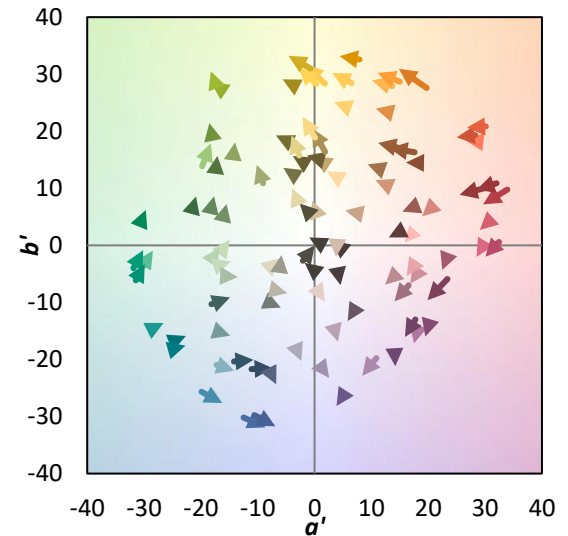
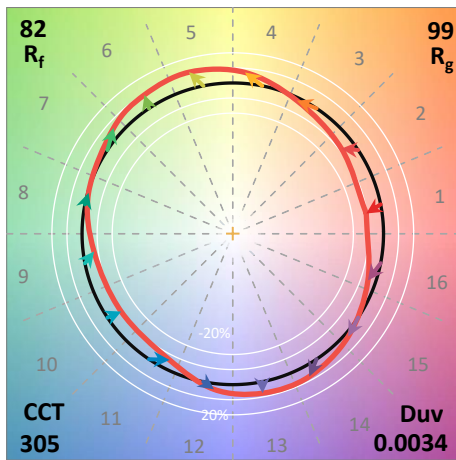
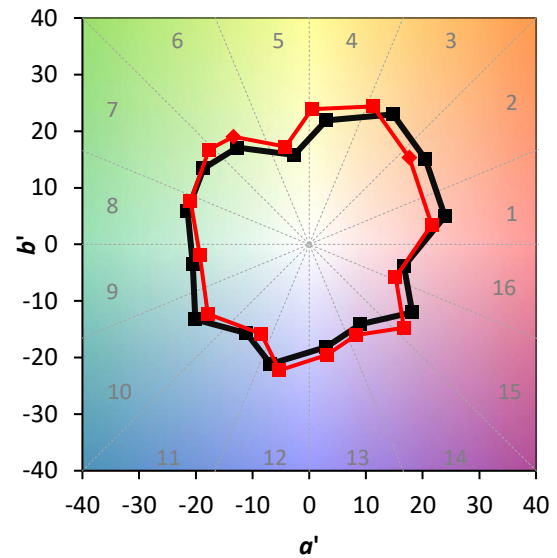
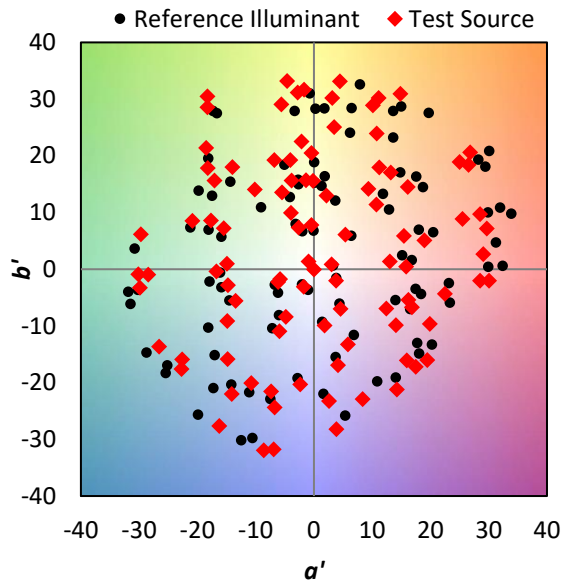
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE\ R_a = 81.0$
 $R_9 = 7.1$

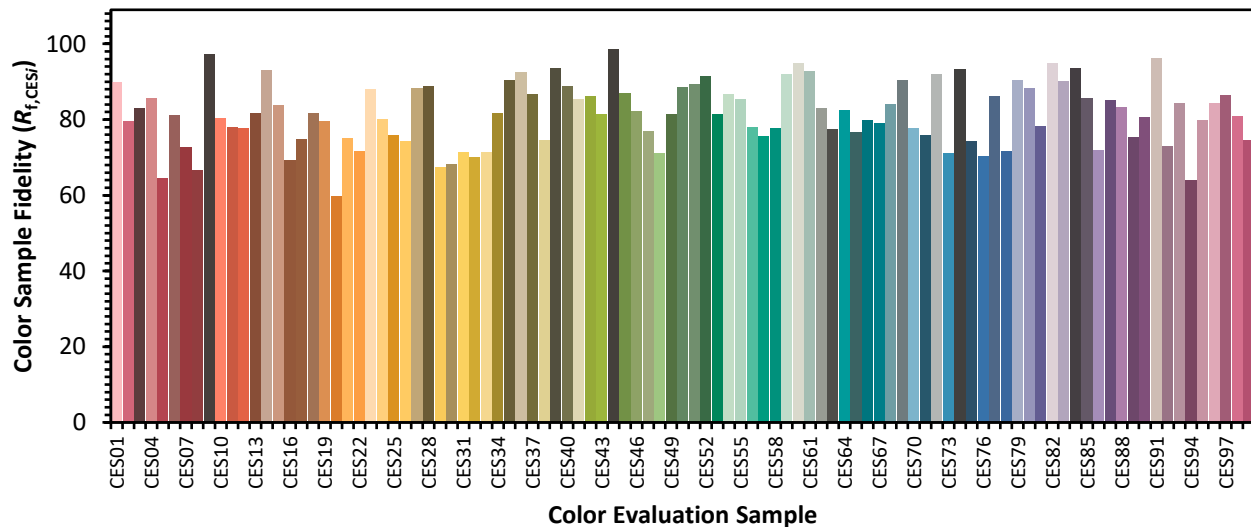


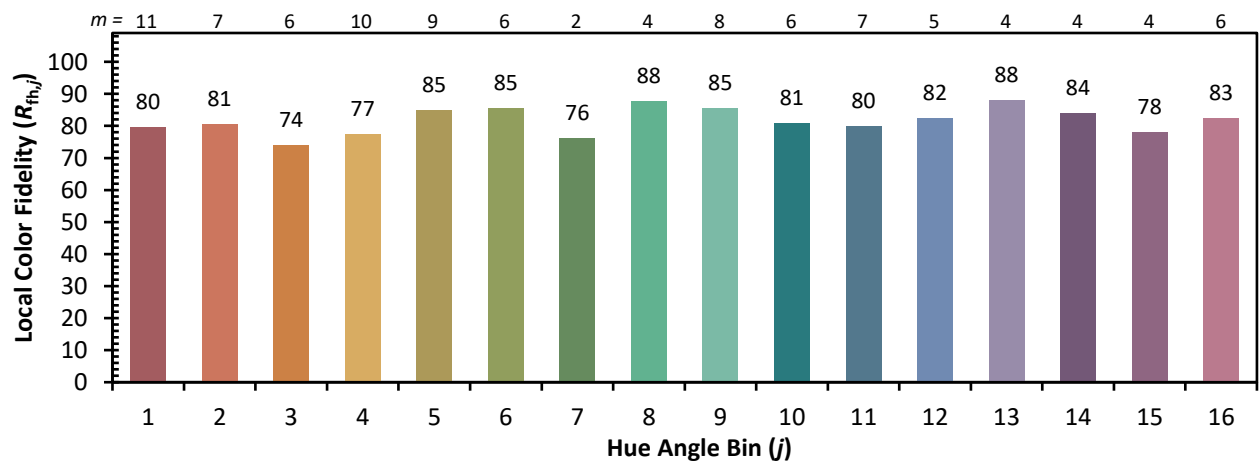
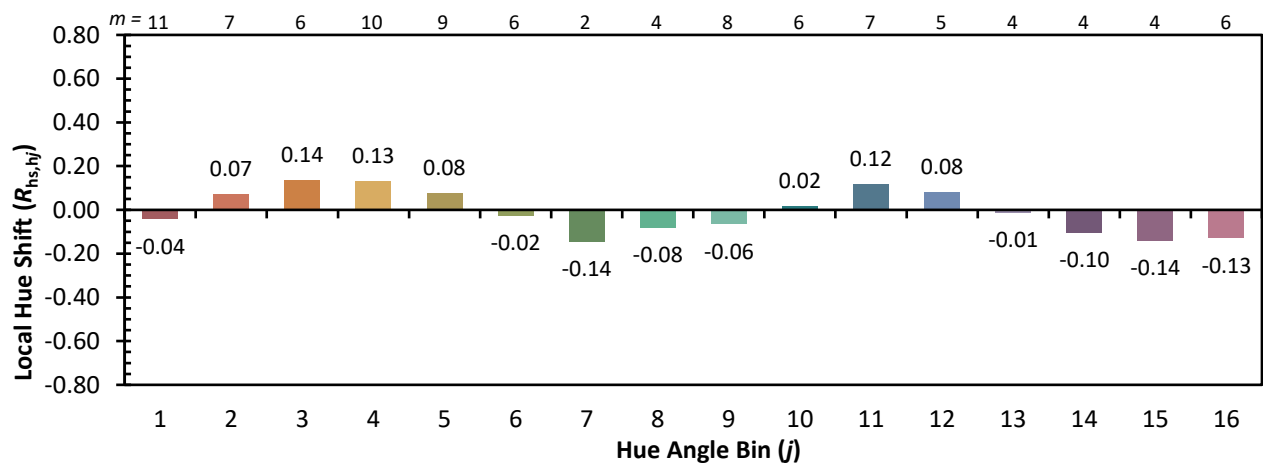
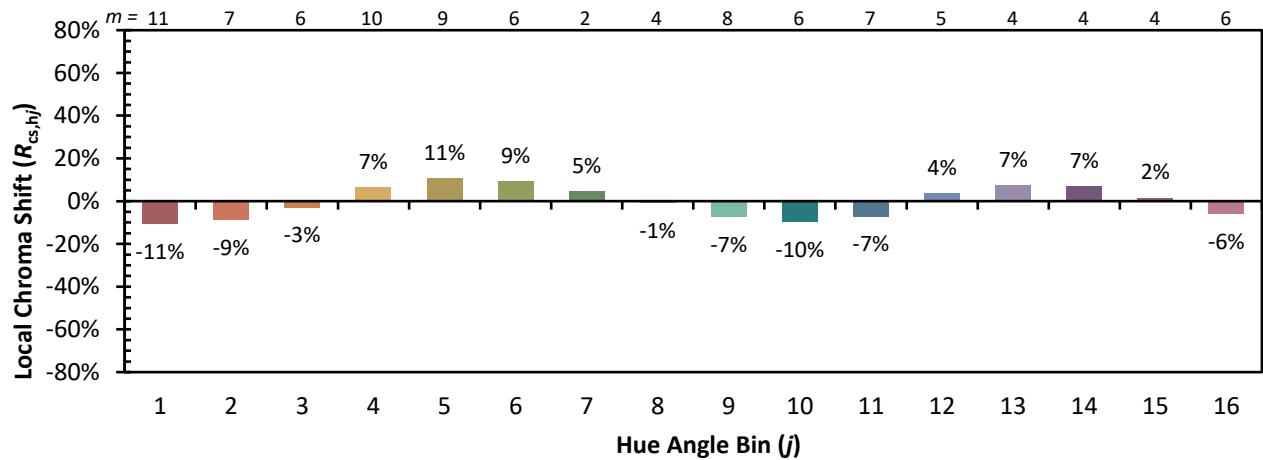
Color Vector Graphics



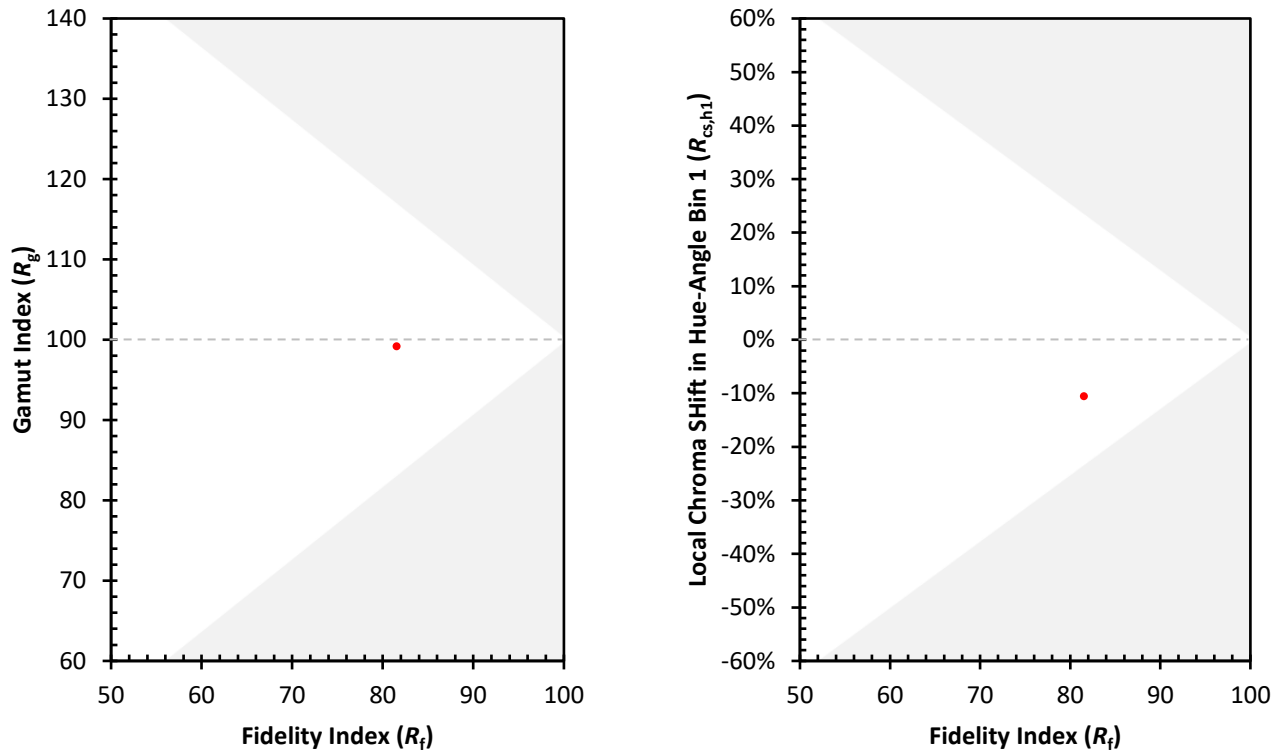
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)