

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: P320500

Luminaire Tested: **GLEON-SA6D-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320500
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-SA6D-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32408 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

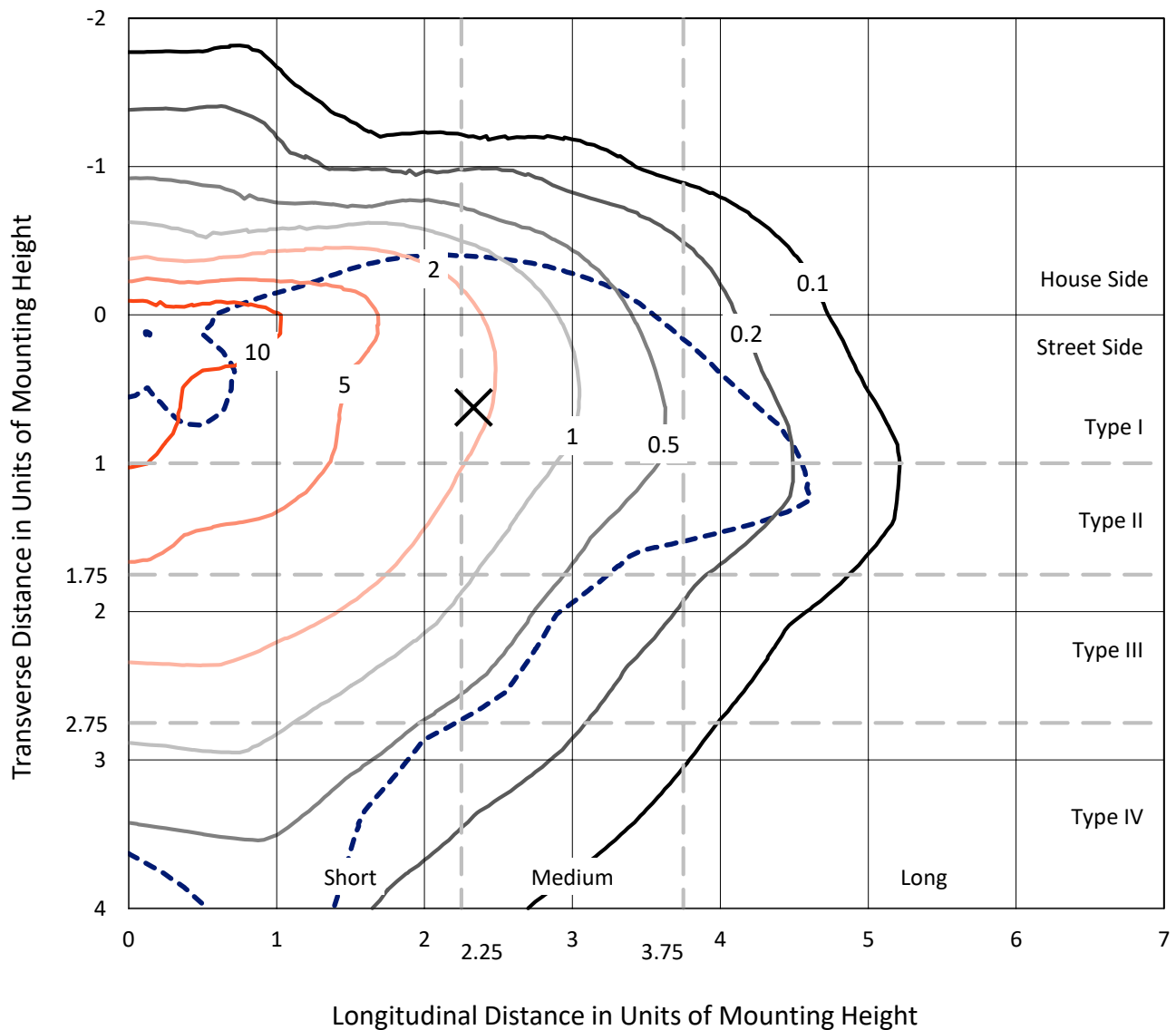
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

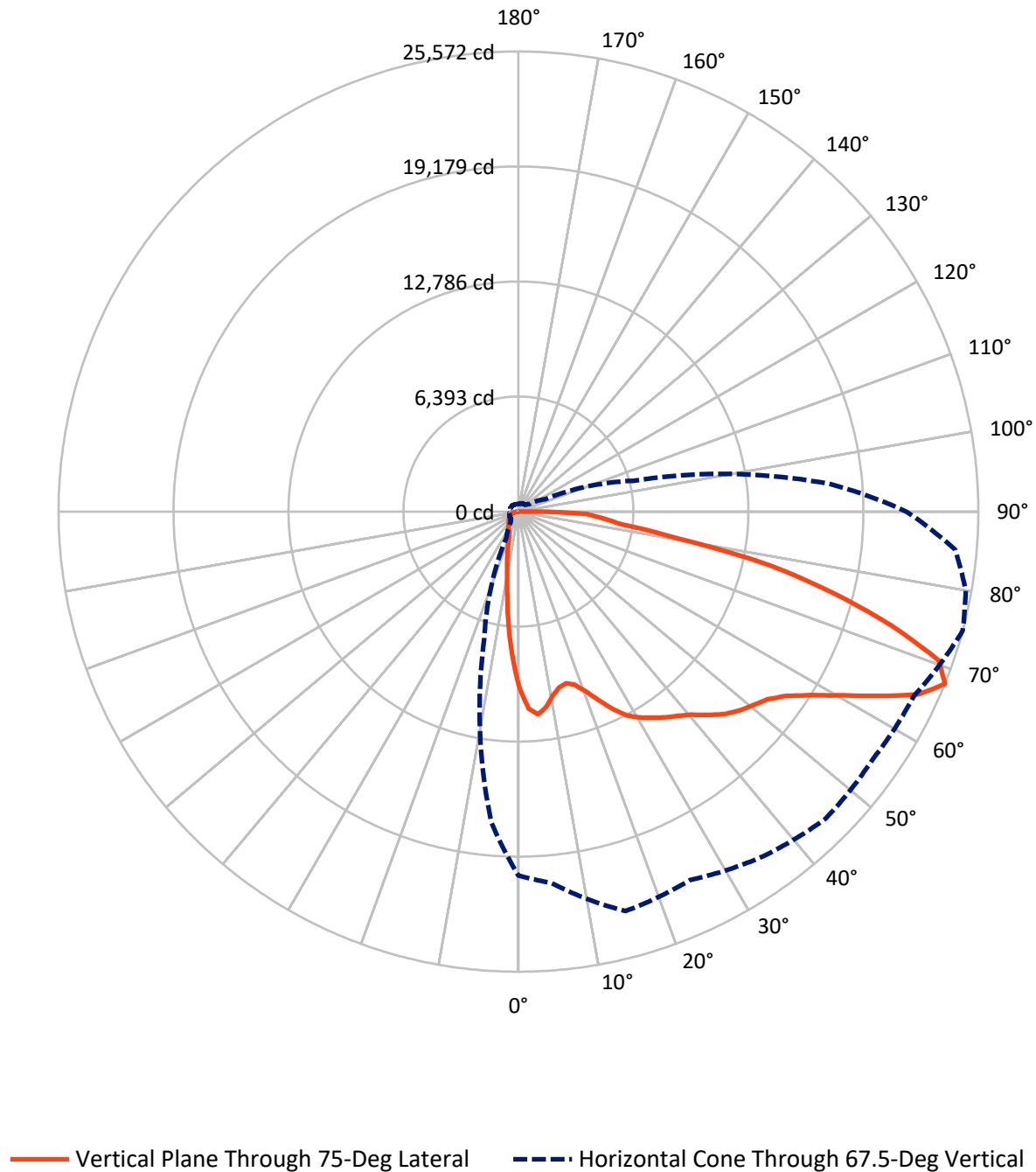
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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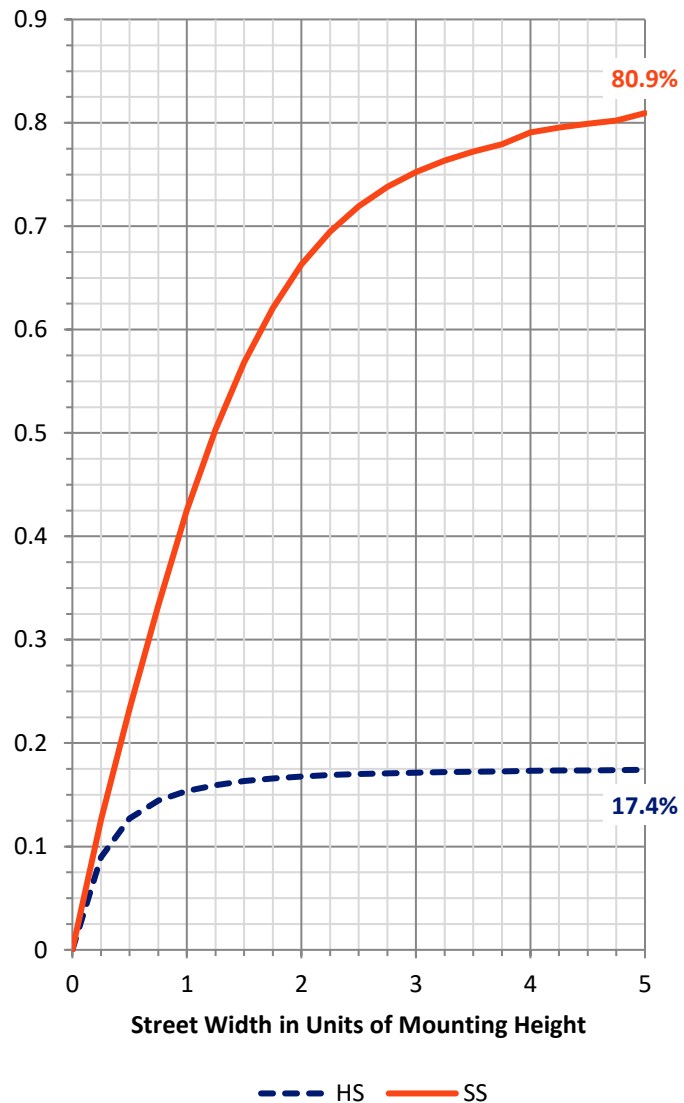
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5707.8	0.0	5707.8
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	26700.2	0.0	26700.2
	% Fixture	82.4	0.0	82.4
Total	Lumens	32408.0	0.0	32408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.0	2.4
10°-20°	1583.0	4.9
20°-30°	2251.3	6.9
30°-40°	3244.1	10.0
40°-50°	4571.9	14.1
50°-60°	6355.8	19.6
60°-70°	7686.0	23.7
70°-80°	4724.5	14.6
80°-90°	1229.4	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°	32408.0	100.0
0°-180°	32408.0	100.0

Coefficient of Utilization



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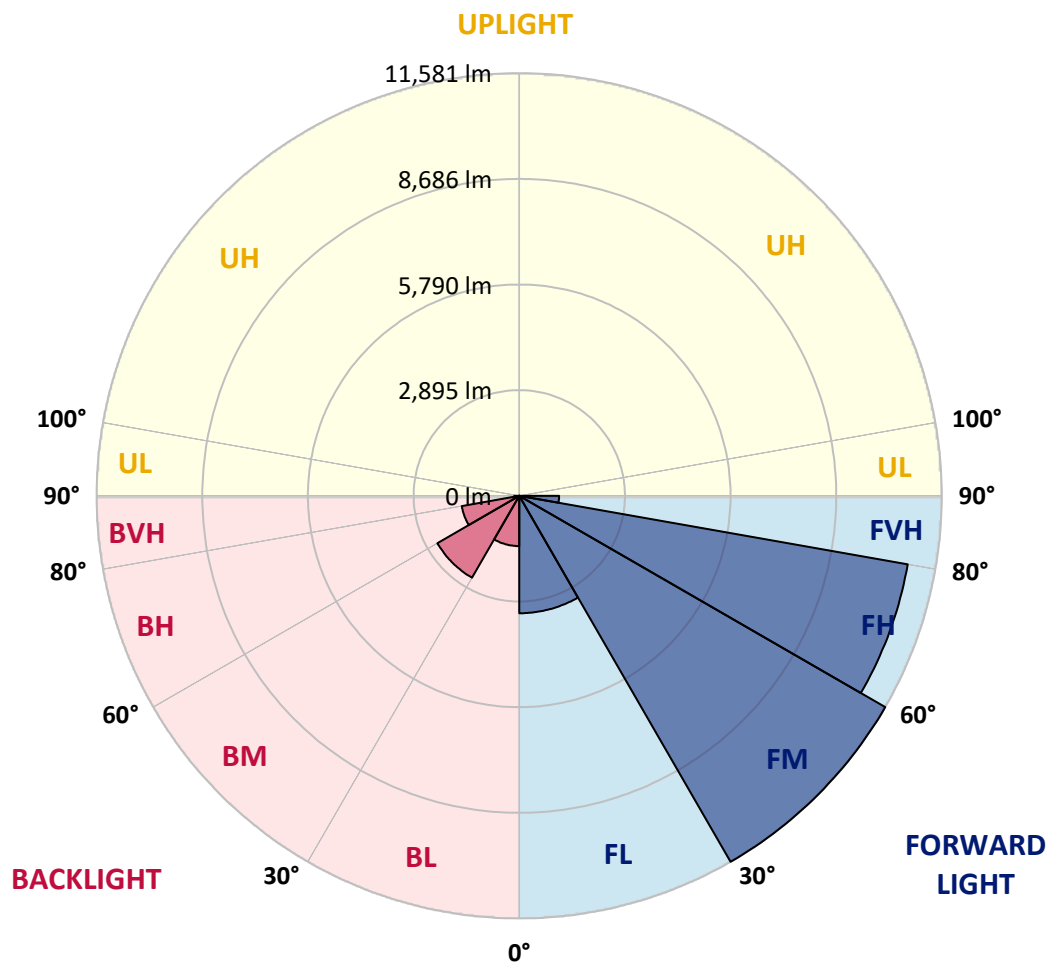
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3217.8	9.9			
FM	(30°-60°)	11580.9	35.7			
FH	(60°-80°)	10810.2	33.4			G4/12000
FVH	(80°-90°)	1091.3	3.4			G5
BL	(0°-30°)	1378.5	4.3	B3/2500		
BM	(30°-60°)	2590.9	8.0	B3/5000		
BH	(60°-80°)	1600.3	4.9	B3/2500		G3/2500
BVH	(80°-90°)	138.1	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	10523.7	10662.3	10758.2	10852.8	10926.7	10999.2	11105.5	11211.7	11232.4	11251.9	11210.4
5°	10461.5	10799.7	11087.3	11373.7	11639.3	11904.9	12064.3	12223.7	12256.0	12288.4	12188.7
7.5°	9791.6	10290.5	10789.3	11288.2	11745.5	12202.9	12481.5	12758.8	12822.3	12884.5	12721.2
10°	9029.7	9610.2	10223.1	10836.0	11438.5	12041.0	12443.9	12846.9	12927.2	13007.6	12804.1
12.5°	8450.6	9084.2	9738.5	10392.8	11029.0	11663.9	12081.1	12498.3	12598.1	12697.9	12550.2
15°	8227.7	8922.2	9537.7	10153.1	10707.7	11260.9	11603.0	11943.8	11985.2	12025.4	12002.1
17.5°	8450.6	9216.3	9773.5	10329.3	10631.2	10931.8	11069.2	11205.2	11250.6	11294.6	11354.2
20°	9102.3	9929.0	10321.6	10712.9	10699.9	10685.7	10619.6	10552.2	10540.5	10528.9	10697.3
22.5°	10032.6	10992.7	11149.5	11305.0	10940.9	10576.8	10355.3	10132.4	10088.3	10043.0	10221.8
25°	11124.9	12147.2	12118.7	12088.9	11395.7	10701.2	10278.8	9856.4	9807.2	9757.9	9910.8
27.5°	12313.1	13290.0	13103.4	12916.9	11974.9	11032.9	10420.0	9807.2	9757.9	9708.7	9843.4
30°	13242.1	14128.3	13829.0	13529.7	12463.4	11397.0	10668.8	9940.6	9860.3	9778.7	9944.5
32.5°	14028.6	14782.7	14381.0	13979.3	12859.8	11740.4	10952.6	10164.8	10039.1	9913.4	10135.0
35°	14847.4	15435.7	14870.8	14304.5	13213.6	12121.3	11288.2	10453.7	10299.5	10145.3	10449.8
37.5°	15768.7	16257.2	15446.1	14633.7	13611.3	12589.0	11790.9	10991.4	10833.4	10675.3	11064.0
40°	16741.8	17148.6	16066.7	14984.8	14046.7	13108.6	12486.7	11863.4	11713.1	11561.5	12033.2
42.5°	17593.0	17889.8	16644.6	15399.4	14571.5	13742.2	13304.3	12865.0	12863.7	12861.1	13339.3
45°	18234.4	18492.3	17126.6	15759.6	15083.3	14405.6	14177.6	13949.5	14132.2	14314.9	14747.7
47.5°	18766.9	18941.9	17530.8	16118.5	15668.9	15219.3	15253.0	15286.7	15658.6	16030.4	16309.0
50°	19375.9	19234.7	17897.5	16559.1	16420.4	16281.8	16585.0	16886.9	17314.5	17740.8	17929.9
52.5°	20035.4	19661.0	18395.1	17127.9	17283.4	17438.9	18055.6	18672.4	19103.8	19535.3	19606.6
55°	21221.0	20647.0	19309.8	17971.4	18270.7	18568.7	19474.4	20378.8	20715.7	21052.6	21078.5
57.5°	22556.9	22047.7	20591.3	19134.9	19456.3	19777.6	20823.2	21867.6	22231.7	22594.5	22543.9
60°	23071.3	23095.9	21808.0	20518.7	20842.7	21166.6	22185.0	23203.4	23621.9	24039.2	23927.7
62.5°	22553.0	23160.7	22472.7	21783.3	22077.5	22370.3	23368.0	24365.7	24794.6	25223.4	25029.1
65°	21528.1	22130.6	22439.0	22747.3	22844.5	22941.7	23873.3	24803.6	25132.7	25460.5	25362.1
67.5°	20224.6	20711.8	21849.4	22985.8	22790.1	22594.5	23031.1	23467.8	23805.9	24144.1	24088.4
70°	18715.1	19295.6	20812.9	22330.1	21368.7	20406.0	20225.9	20045.8	20411.2	20775.3	20549.8
72.5°	16008.4	16884.3	18502.6	20119.7	18348.4	16577.2	15961.8	15346.3	15808.9	16271.4	15912.5
75°	12091.5	13253.7	15041.8	16828.6	14715.3	12602.0	11780.5	10959.0	11356.8	11754.6	11508.4
77.5°	8409.1	9866.8	11627.6	13388.5	11240.2	9090.6	8480.4	7868.8	7988.0	8105.9	8064.4
80°	5733.5	6692.3	7920.6	9147.7	7717.2	6286.7	6334.7	6381.3	6325.6	6268.6	6351.5
82.5°	3595.6	4270.6	5219.1	6166.2	5407.0	4647.7	5083.0	5518.4	5304.6	5089.5	5169.9
85°	2025.2	2437.2	3364.9	4291.4	3999.8	3707.0	3962.3	4216.2	3884.5	3552.8	3699.2
87.5°	386.1	642.7	1861.9	3079.9	2796.1	2512.4	2183.3	1854.1	1414.9	975.7	1425.3
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°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	11169.0	11146.9	11124.9	11045.9	10965.5	10846.3	10747.8	10576.8	10483.5	10342.3	10201.1
5°	12087.6	11947.7	11807.7	11566.7	11324.4	11054.9	10745.3	10401.9	10142.8	9805.9	9469.0
7.5°	12557.9	12231.4	11903.6	11441.0	10977.2	10560.0	10070.2	9614.1	9225.4	8787.5	8349.5
10°	12600.7	12110.9	11619.9	11018.6	10416.1	9909.5	9345.9	8839.3	8372.8	7870.1	7366.1
12.5°	12401.2	11880.3	11358.1	10696.0	10032.6	9457.3	8850.9	8283.4	7766.4	7213.2	6658.6
15°	11978.8	11562.8	11145.6	10525.0	9904.3	9323.9	8735.6	8063.2	7478.8	6912.6	6345.1
17.5°	11412.5	11215.6	11017.4	10569.0	10119.4	9616.7	9046.6	8257.5	7573.4	6957.9	6342.5
20°	10864.5	10937.0	11008.3	10829.5	10650.7	10247.7	9750.2	8863.9	7990.6	7186.0	6380.0
22.5°	10399.3	10747.8	11095.1	11233.7	11371.1	11128.8	10740.1	9715.2	8559.4	7508.6	6457.8
25°	10062.4	10640.3	11218.2	11679.5	12139.4	12031.9	11732.6	10749.1	9313.5	7973.7	6632.7
27.5°	9978.2	10686.9	11395.7	12110.9	12824.9	12924.6	12841.7	11838.8	10212.7	8551.6	6889.2
30°	10110.4	10828.2	11544.7	12415.4	13284.8	13682.6	13794.0	12747.1	11240.2	9225.4	7209.3
32.5°	10356.5	11060.1	11763.7	12712.1	13659.3	14260.5	14615.5	13577.7	11956.7	9733.3	7508.6
35°	10754.3	11412.5	12070.8	13058.1	14045.4	14822.8	15470.7	14435.4	12592.9	10088.3	7582.4
37.5°	11451.4	12017.6	12583.9	13496.0	14406.9	15415.0	16388.0	15380.0	13280.9	10430.4	7578.6
40°	12504.8	12905.2	13304.3	14075.2	14844.9	16113.3	17427.2	16433.4	14041.5	10801.0	7560.4
42.5°	13817.4	14023.4	14228.1	14838.4	15448.7	16842.8	18370.5	17463.5	14767.1	11145.6	7524.1
45°	15179.1	15233.6	15288.0	15672.8	16056.3	17420.7	19013.1	18237.0	15400.7	11444.9	7487.9
47.5°	16586.3	16399.7	16213.1	16366.0	16518.9	17863.8	19471.8	18824.0	16036.9	11776.6	7515.1
50°	18119.1	17599.5	17079.9	16999.6	16919.3	18307.0	20012.1	19570.3	16801.4	12259.9	7718.5
52.5°	19676.5	18820.1	17963.6	17646.2	17327.4	18835.6	20728.6	20499.3	17892.3	13008.8	8124.1
55°	21104.4	20014.7	18925.0	18497.4	18069.9	19644.1	21603.2	21863.7	19290.4	13966.4	8641.0
57.5°	22492.1	21257.3	20022.5	19626.0	19229.5	20832.3	22711.1	23088.1	20702.7	14885.0	9066.0
60°	23816.3	22594.5	21371.3	21053.9	20735.1	22309.4	23908.3	23633.6	21430.9	15315.2	9198.2
62.5°	24834.7	23862.9	22891.2	22724.0	22555.6	23803.3	24828.2	23421.1	20968.3	14891.5	8814.7
65°	25263.6	24710.3	24155.8	24312.6	24468.0	24933.2	25057.6	22799.2	19514.6	13704.6	7894.7
67.5°	24031.4	24144.1	24256.8	24915.1	25572.0	25251.9	24376.0	21573.4	17445.3	12022.8	6600.3
70°	20323.1	20999.4	21674.5	23231.9	24788.1	24078.0	22550.4	19373.3	14955.0	10085.7	5215.2
72.5°	15552.3	16312.9	17072.2	19383.7	21693.9	21039.6	19168.6	15912.5	11990.4	8054.1	4116.4
75°	11260.9	12120.0	12977.8	15527.7	18077.6	17169.3	14338.2	11393.1	9107.5	6148.1	3187.4
77.5°	8021.7	8597.0	9172.3	11691.1	14208.7	12729.0	9544.1	7666.7	6303.6	4273.2	2241.6
80°	6434.5	6258.2	6082.0	7485.3	8888.5	8642.3	6312.7	4923.7	4362.6	2863.5	1364.4
82.5°	5248.9	4818.7	4388.5	5049.4	5710.2	5673.9	4380.8	3612.4	3247.0	1990.2	733.4
85°	3844.3	3672.0	3499.7	4084.1	4668.4	4169.6	2967.2	2296.0	2531.8	1465.4	399.1
87.5°	1874.9	2141.8	2407.4	3096.7	3784.7	2841.5	900.5	445.7	616.8	405.6	193.1
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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: P320500

CATALOG NUMBER: GLEON-SA6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	10096.1	9989.9	9869.4	9748.9	9611.5	9472.9	9391.2	9308.3	9218.9	9129.5	9028.5
5°	9246.1	9023.3	8770.6	8517.9	8267.9	8017.8	7883.1	7748.3	7605.8	7461.9	7337.6
7.5°	8025.6	7700.4	7350.5	6999.4	6688.4	6376.1	6183.1	5988.7	5812.5	5635.0	5486.0
10°	6951.4	6536.8	6185.7	5833.3	5598.7	5364.2	5186.7	5009.2	4838.2	4665.8	4501.3
12.5°	6244.0	5829.4	5606.5	5383.6	5189.3	4994.9	4790.2	4584.2	4349.7	4113.9	3941.5
15°	5968.0	5591.0	5343.5	5094.7	4834.3	4572.5	4321.2	4069.8	3792.5	3515.2	3319.6
17.5°	5848.8	5355.1	5009.2	4661.9	4318.6	3975.2	3683.7	3392.1	3089.0	2785.8	2587.5
20°	5723.1	5066.2	4602.3	4137.2	3696.6	3256.1	2925.7	2595.3	2324.5	2053.7	1902.1
22.5°	5609.1	4759.1	4177.3	3594.3	3073.4	2552.5	2228.6	1903.4	1737.5	1571.7	1510.8
25°	5562.4	4490.9	3775.7	3060.4	2511.1	1960.4	1729.8	1499.1	1435.6	1370.9	1339.8
27.5°	5570.2	4251.2	3437.5	2622.5	2127.5	1632.6	1474.5	1316.4	1277.6	1237.4	1218.0
30°	5600.0	3990.8	3118.8	2246.7	1838.6	1430.5	1328.1	1224.4	1183.0	1141.5	1116.9
32.5°	5633.7	3757.5	2872.6	1986.3	1653.3	1319.0	1234.8	1149.3	1109.1	1069.0	1044.3
35°	5575.4	3567.1	2704.1	1841.2	1534.1	1225.7	1154.5	1081.9	1037.9	993.8	970.5
37.5°	5476.9	3375.3	2573.3	1769.9	1456.4	1141.5	1089.7	1036.6	991.2	944.6	922.5
40°	5387.5	3213.3	2476.1	1737.5	1413.6	1088.4	1044.3	1000.3	953.6	905.7	879.8
42.5°	5315.0	3104.5	2380.2	1655.9	1374.7	1092.3	1030.1	966.6	921.2	875.9	847.4
45°	5260.6	3033.2	2305.1	1576.9	1338.5	1100.1	1021.0	942.0	896.6	850.0	816.3
47.5°	5255.4	2995.7	2251.9	1508.2	1269.8	1030.1	997.7	965.3	899.2	831.8	793.0
50°	5326.6	2934.8	2189.7	1443.4	1203.7	964.0	1008.1	1050.8	938.1	824.1	774.8
52.5°	5475.6	2827.2	2091.3	1355.3	1123.4	890.1	958.8	1026.2	929.0	830.5	767.1
55°	5655.7	2669.1	1942.3	1214.1	1017.1	818.9	879.8	939.4	878.5	816.3	739.8
57.5°	5768.5	2469.6	1754.4	1039.2	897.9	756.7	791.7	825.4	800.7	776.1	698.4
60°	5701.1	2204.0	1543.2	881.1	793.0	704.9	698.4	690.6	726.9	763.2	673.8
62.5°	5372.0	1929.3	1356.6	783.9	717.8	650.4	636.2	620.6	680.2	738.6	644.0
65°	4816.1	1737.5	1238.7	739.8	666.0	592.1	576.6	561.0	579.2	597.3	553.3
67.5°	4110.0	1619.6	1171.3	723.0	633.6	542.9	524.8	506.6	502.7	498.8	483.3
70°	3381.8	1547.1	1127.3	707.5	598.6	488.5	471.6	454.8	449.6	443.1	431.5
72.5°	2827.2	1538.0	1122.1	706.2	570.1	434.1	418.5	403.0	396.5	388.7	379.6
75°	2315.4	1443.4	1065.1	686.7	531.2	374.5	360.2	346.0	340.8	334.3	326.5
77.5°	1718.1	1194.6	895.3	596.0	454.8	313.6	299.3	283.8	282.5	279.9	273.4
80°	1114.3	864.2	640.1	415.9	331.7	246.2	234.5	221.6	222.9	224.2	219.0
82.5°	619.3	504.0	391.3	278.6	226.7	174.9	169.7	163.3	167.1	169.7	163.3
85°	326.5	254.0	209.9	165.8	130.9	95.9	95.9	94.6	99.8	105.0	99.8
87.5°	141.2	89.4	76.4	62.2	35.0	6.5	7.8	7.8	10.4	13.0	11.7
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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: P320500

CATALOG NUMBER: GLEON-SA6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	8926.1	8831.5	8735.6	8630.7	8650.1	8569.8	8489.4	8438.9	8388.4	8372.8	8357.3
5°	7213.2	7105.6	6996.8	6899.6	6983.8	6926.8	6869.8	6862.0	6853.0	6853.0	6851.7
7.5°	5337.0	5221.7	5105.1	5024.7	5107.7	5097.3	5086.9	5142.6	5198.4	5243.7	5287.8
10°	4336.7	4196.8	4055.5	3936.3	3915.6	3856.0	3795.1	3808.1	3819.7	3869.0	3918.2
12.5°	3769.2	3602.1	3434.9	3295.0	3231.5	3133.0	3033.2	2971.0	2908.9	2915.3	2920.5
15°	3122.6	2960.7	2797.4	2676.9	2636.8	2560.3	2483.9	2406.1	2327.1	2294.7	2261.0
17.5°	2388.0	2258.4	2127.5	2047.2	2047.2	2025.2	2003.2	1964.3	1924.1	1891.7	1858.0
20°	1750.5	1681.8	1611.9	1578.2	1588.5	1589.8	1589.8	1609.3	1628.7	1618.3	1608.0
22.5°	1448.6	1424.0	1399.4	1385.1	1390.3	1391.6	1392.9	1411.0	1427.9	1440.8	1452.5
25°	1307.4	1291.8	1276.3	1271.1	1282.7	1284.0	1284.0	1295.7	1307.4	1320.3	1333.3
27.5°	1197.2	1190.8	1184.3	1175.2	1186.9	1186.9	1185.6	1198.5	1210.2	1221.8	1232.2
30°	1092.3	1094.9	1096.2	1093.6	1101.3	1106.5	1110.4	1119.5	1127.3	1136.3	1145.4
32.5°	1018.4	1014.5	1010.6	1008.1	1024.9	1034.0	1043.0	1052.1	1059.9	1063.8	1067.7
35°	947.2	938.1	929.0	922.5	938.1	949.7	961.4	978.3	993.8	996.4	999.0
37.5°	899.2	887.6	875.9	868.1	874.6	879.8	885.0	903.1	921.2	931.6	940.7
40°	853.9	842.2	830.5	824.1	828.0	829.2	830.5	839.6	847.4	866.8	885.0
42.5°	817.6	803.3	789.1	781.3	783.9	786.5	787.8	786.5	785.2	803.3	821.5
45°	781.3	765.8	750.2	741.1	742.4	742.4	742.4	739.8	736.0	745.0	754.1
47.5°	752.8	734.7	716.5	707.5	704.9	702.3	699.7	698.4	695.8	702.3	707.5
50°	724.3	704.9	684.1	673.8	667.3	664.7	662.1	660.8	658.2	664.7	669.9
52.5°	702.3	678.9	655.6	638.8	632.3	628.4	624.5	625.8	625.8	628.4	629.7
55°	663.4	642.7	620.6	609.0	597.3	594.7	592.1	596.0	598.6	598.6	598.6
57.5°	620.6	601.2	580.5	572.7	562.3	562.3	561.0	566.2	570.1	572.7	575.3
60°	583.1	561.0	539.0	532.5	528.6	527.4	526.1	532.5	537.7	542.9	548.1
62.5°	548.1	524.8	501.4	493.7	492.4	493.7	493.7	500.1	505.3	510.5	515.7
65°	509.2	485.9	461.3	453.5	456.1	460.0	463.9	469.0	472.9	478.1	483.3
67.5°	466.5	447.0	426.3	418.5	419.8	425.0	430.2	434.1	436.7	441.8	447.0
70°	419.8	403.0	386.1	380.9	379.6	386.1	391.3	393.9	396.5	403.0	408.1
72.5°	369.3	355.0	340.8	336.9	338.2	342.1	346.0	349.8	352.4	358.9	364.1
75°	317.4	304.5	291.5	288.9	291.5	295.4	299.3	301.9	304.5	312.3	318.7
77.5°	266.9	252.7	237.1	235.8	239.7	243.6	246.2	250.1	254.0	264.3	274.7
80°	213.8	198.2	181.4	180.1	184.0	187.9	191.8	195.7	199.5	212.5	224.2
82.5°	156.8	138.6	120.5	117.9	130.9	134.8	138.6	145.1	150.3	162.0	173.6
85°	94.6	76.4	58.3	57.0	68.7	75.2	81.6	89.4	95.9	106.2	116.6
87.5°	10.4	5.2	0.0	0.0	1.3	6.5	11.7	18.1	24.6	35.0	44.1
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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: P320500

CATALOG NUMBER: GLEON-SA6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	8300.3	8242.0	8301.6	8359.9	8384.5	8409.1	8345.6	8280.8	8381.9	8481.7	8507.6
5°	6799.8	6746.7	6786.9	6825.8	6738.9	6652.1	6643.1	6632.7	6707.8	6783.0	6794.7
7.5°	5270.9	5254.1	5291.6	5329.2	5219.1	5107.7	5053.2	4998.8	5017.0	5035.1	5032.5
10°	3929.9	3940.2	3986.9	4032.2	3946.7	3861.2	3823.6	3786.0	3827.5	3867.7	3905.2
12.5°	2943.8	2965.9	3015.1	3063.0	3028.1	2991.8	2995.7	2999.6	3047.5	3094.1	3135.6
15°	2286.9	2312.8	2347.8	2381.5	2382.8	2382.8	2416.5	2448.9	2445.0	2441.1	2469.6
17.5°	1893.0	1926.7	1930.6	1934.5	1935.8	1937.1	1934.5	1931.9	1912.5	1893.0	1915.0
20°	1620.9	1632.6	1643.0	1652.0	1640.4	1627.4	1595.0	1562.6	1549.7	1536.7	1557.4
22.5°	1474.5	1495.2	1484.9	1473.2	1449.9	1425.3	1400.7	1374.7	1373.4	1370.9	1382.5
25°	1351.4	1368.3	1350.1	1332.0	1315.1	1298.3	1281.4	1264.6	1263.3	1262.0	1267.2
27.5°	1249.1	1264.6	1247.8	1230.9	1216.7	1202.4	1189.5	1176.5	1173.9	1171.3	1172.6
30°	1160.9	1175.2	1160.9	1145.4	1135.0	1123.4	1114.3	1105.2	1103.9	1102.6	1102.6
32.5°	1081.9	1096.2	1085.8	1075.4	1066.4	1057.3	1050.8	1044.3	1037.9	1031.4	1017.1
35°	1013.2	1027.5	1021.0	1013.2	1002.9	992.5	980.8	967.9	951.0	932.9	925.1
37.5°	954.9	969.2	962.7	956.2	942.0	927.7	907.0	885.0	879.8	873.3	872.0
40°	908.3	930.3	917.4	903.1	881.1	859.1	848.7	838.3	835.7	833.1	830.5
42.5°	856.5	890.1	866.8	843.5	822.8	802.0	799.4	796.9	795.6	794.3	794.3
45°	791.7	828.0	804.6	780.0	768.4	756.7	756.7	756.7	758.0	758.0	760.6
47.5°	730.8	752.8	741.1	729.5	723.0	716.5	717.8	719.1	723.0	725.6	732.1
50°	678.9	686.7	689.3	690.6	686.7	682.8	685.4	686.7	690.6	693.2	698.4
52.5°	641.4	653.0	653.0	651.7	651.7	651.7	654.3	656.9	660.8	664.7	669.9
55°	616.8	633.6	628.4	623.2	624.5	624.5	627.1	629.7	633.6	636.2	644.0
57.5°	593.4	611.6	606.4	601.2	601.2	601.2	602.5	603.8	607.7	610.3	615.5
60°	566.2	584.4	579.2	572.7	574.0	575.3	576.6	576.6	579.2	580.5	580.5
62.5°	533.8	552.0	546.8	540.3	544.2	546.8	546.8	546.8	549.4	550.7	546.8
65°	500.1	517.0	511.8	506.6	511.8	515.7	518.3	519.6	518.3	517.0	513.1
67.5°	463.9	480.7	475.5	469.0	475.5	480.7	485.9	489.8	485.9	482.0	476.8
70°	425.0	441.8	435.4	428.9	435.4	441.8	447.0	452.2	447.0	441.8	440.5
72.5°	383.5	403.0	395.2	387.4	395.2	403.0	405.6	408.1	404.3	400.4	397.8
75°	338.2	357.6	351.1	343.4	349.8	356.3	357.6	358.9	358.9	357.6	349.8
77.5°	290.2	305.8	301.9	298.0	301.9	305.8	305.8	305.8	307.1	307.1	296.7
80°	233.2	242.3	243.6	244.9	246.2	247.5	246.2	244.9	242.3	239.7	233.2
82.5°	173.6	173.6	184.0	193.1	193.1	191.8	190.5	187.9	182.7	176.2	162.0
85°	110.1	103.7	120.5	136.0	136.0	134.8	132.2	128.3	117.9	106.2	94.6
87.5°	37.6	31.1	47.9	64.8	66.1	66.1	63.5	60.9	50.5	38.9	29.8
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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: P320500

CATALOG NUMBER: GLEON-SA6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	8546.5	8563.3	8578.8	8705.8	8831.5	8979.2	9126.9	9239.7	9351.1	9466.4	9581.7
5°	6834.8	6855.6	6876.3	7030.5	7183.4	7389.4	7595.4	7772.9	7950.4	8159.0	8367.6
7.5°	5066.2	5111.5	5155.6	5320.2	5483.4	5705.0	5925.2	6157.2	6387.8	6659.9	6932.0
10°	3979.1	4064.6	4148.8	4317.3	4485.7	4704.7	4922.4	5164.7	5407.0	5675.2	5942.1
12.5°	3221.1	3335.1	3447.9	3650.0	3852.1	4113.9	4374.3	4643.8	4912.0	5147.8	5383.6
15°	2544.8	2669.1	2792.2	3006.0	3219.8	3507.5	3793.8	4087.9	4380.8	4663.2	4945.7
17.5°	1985.0	2087.4	2188.4	2369.8	2549.9	2828.5	3107.1	3415.5	3723.8	4068.5	4411.9
20°	1601.5	1644.2	1687.0	1817.9	1947.4	2174.2	2399.6	2714.5	3029.4	3441.4	3853.4
22.5°	1403.2	1425.3	1446.0	1509.5	1571.7	1718.1	1863.2	2141.8	2419.1	2868.7	3317.0
25°	1284.0	1300.9	1317.7	1359.2	1400.7	1470.6	1540.6	1736.2	1931.9	2373.7	2814.3
27.5°	1176.5	1202.4	1227.0	1246.5	1264.6	1312.5	1359.2	1487.5	1615.7	2027.8	2438.5
30°	1098.8	1107.8	1116.9	1146.7	1175.2	1224.4	1273.7	1363.1	1452.5	1801.0	2148.3
32.5°	1008.1	1021.0	1034.0	1065.1	1096.2	1141.5	1186.9	1259.4	1330.7	1628.7	1925.4
35°	926.4	939.4	952.3	983.4	1013.2	1062.5	1110.4	1171.3	1230.9	1490.1	1749.2
37.5°	875.9	888.9	901.8	929.0	954.9	1004.2	1052.1	1100.1	1146.7	1386.4	1626.1
40°	833.1	846.1	859.1	885.0	909.6	957.5	1004.2	1044.3	1084.5	1308.7	1532.8
42.5°	795.6	809.8	824.1	850.0	874.6	917.4	960.1	1013.2	1065.1	1241.3	1416.2
45°	764.5	778.7	791.7	820.2	848.7	890.1	931.6	1005.5	1079.3	1206.3	1333.3
47.5°	736.0	751.5	765.8	796.9	828.0	879.8	930.3	992.5	1053.4	1179.1	1304.8
50°	708.7	726.9	745.0	782.6	818.9	905.7	991.2	1000.3	1008.1	1157.1	1304.8
52.5°	682.8	703.6	724.3	770.9	816.3	917.4	1018.4	986.0	952.3	1115.6	1278.9
55°	656.9	675.1	691.9	748.9	805.9	879.8	953.6	910.9	866.8	1037.9	1208.9
57.5°	621.9	641.4	659.5	720.4	781.3	833.1	883.7	844.8	804.6	949.7	1093.6
60°	585.7	607.7	629.7	707.5	783.9	774.8	764.5	756.7	747.6	851.3	954.9
62.5°	553.3	576.6	599.9	701.0	802.0	739.8	677.7	684.1	689.3	765.8	842.2
65°	520.9	544.2	566.2	616.8	667.3	642.7	618.0	628.4	637.5	712.6	787.8
67.5°	484.6	505.3	524.8	541.6	558.4	561.0	563.6	574.0	584.4	673.8	761.9
70°	444.4	461.3	478.1	489.8	500.1	505.3	509.2	522.2	535.1	632.3	729.5
72.5°	399.1	413.3	426.3	436.7	447.0	450.9	453.5	466.5	479.4	583.1	686.7
75°	349.8	361.5	371.9	380.9	390.0	395.2	400.4	409.4	418.5	531.2	642.7
77.5°	295.4	307.1	317.4	325.2	331.7	336.9	340.8	352.4	364.1	458.7	552.0
80°	230.6	244.9	257.8	264.3	269.5	270.8	270.8	281.2	291.5	358.9	425.0
82.5°	163.3	178.8	193.1	198.2	203.4	203.4	203.4	215.1	226.7	272.1	316.2
85°	95.9	112.7	128.3	133.5	138.6	141.2	142.5	147.7	151.6	184.0	215.1
87.5°	29.8	44.1	57.0	59.6	62.2	67.4	72.6	73.9	73.9	95.9	117.9
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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: P320500

CATALOG NUMBER: GLEON-SA6D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2	9873.2
2.5°	9713.9	9846.0	10000.2	10153.1	10284.0	10414.9	10523.7
5°	8633.3	8898.9	9224.1	9548.0	9837.0	10125.9	10461.5
7.5°	7275.4	7618.7	8039.8	8460.9	8869.1	9275.9	9791.6
10°	6291.9	6640.5	7086.2	7530.6	7989.3	8446.7	9029.7
12.5°	5667.4	5949.9	6381.3	6812.8	7351.8	7889.5	8450.6
15°	5255.4	5563.7	5983.6	6403.4	6992.9	7582.4	8227.7
17.5°	4816.1	5219.1	5756.8	6294.5	6992.9	7690.0	8450.6
20°	4356.2	4857.6	5554.7	6251.8	7192.4	8131.8	9102.3
22.5°	3897.5	4477.9	5372.0	6264.7	7494.3	8722.7	10032.6
25°	3484.1	4154.0	5260.6	6365.8	7933.6	9500.1	11124.9
27.5°	3170.6	3901.4	5215.2	6527.7	8490.7	10453.7	12313.1
30°	2892.0	3635.7	5160.8	6685.8	9027.2	11367.2	13242.1
32.5°	2651.0	3376.6	5055.8	6733.8	9401.6	12069.5	14028.6
35°	2461.8	3174.5	4879.6	6584.8	9636.1	12687.5	14847.4
37.5°	2298.6	2971.0	4678.8	6386.5	9844.7	13303.0	15768.7
40°	2143.1	2753.4	4506.5	6258.2	10132.4	14006.5	16741.8
42.5°	1995.4	2574.6	4367.8	6161.1	10399.3	14636.2	17593.0
45°	1885.2	2437.2	4244.7	6050.9	10571.6	15092.3	18234.4
47.5°	1830.8	2355.6	4178.6	6000.4	10744.0	15486.2	18766.9
50°	1823.1	2341.3	4253.8	6166.2	11117.1	16066.7	19375.9
52.5°	1821.8	2364.7	4470.2	6575.7	11810.3	17043.7	20035.4
55°	1794.5	2378.9	4728.0	7075.8	12740.6	18404.2	21221.0
57.5°	1711.6	2329.7	4993.6	7656.3	13724.1	19790.6	22556.9
60°	1583.3	2210.5	5212.6	8213.5	14384.9	20555.0	23071.3
62.5°	1422.7	2001.9	5285.2	8567.2	14366.7	20166.3	22553.0
65°	1285.3	1782.9	5046.8	8309.3	13639.9	18969.1	21528.1
67.5°	1163.5	1563.9	4450.7	7336.3	12332.5	17327.4	20224.6
70°	1075.4	1420.1	3682.4	5944.7	10696.0	15446.1	18715.1
72.5°	1019.7	1351.4	3002.1	4651.6	8679.9	12706.9	16008.4
75°	943.3	1243.9	2355.6	3466.0	6643.1	9820.1	12091.5
77.5°	800.7	1048.2	1775.1	2502.0	4874.4	7245.6	8409.1
80°	618.0	809.8	1220.6	1631.3	3354.6	5077.9	5733.5
82.5°	440.5	564.9	739.8	914.8	2228.6	3541.2	3595.6
85°	272.1	329.1	423.7	518.3	1474.5	2430.7	2025.2
87.5°	146.4	174.9	224.2	272.1	471.6	671.2	386.1
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: P320500
 CATALOG NUMBER: GLEON-SA6D-830-U-SLL

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.

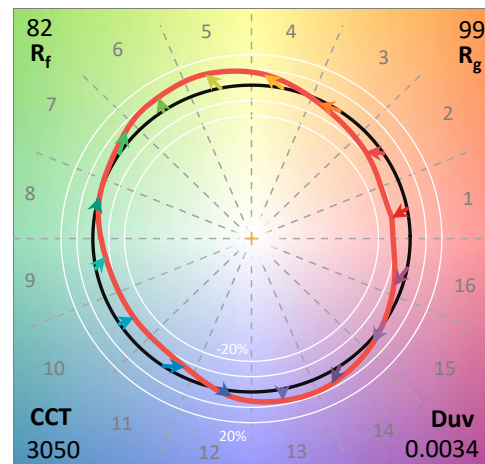
Test Information

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

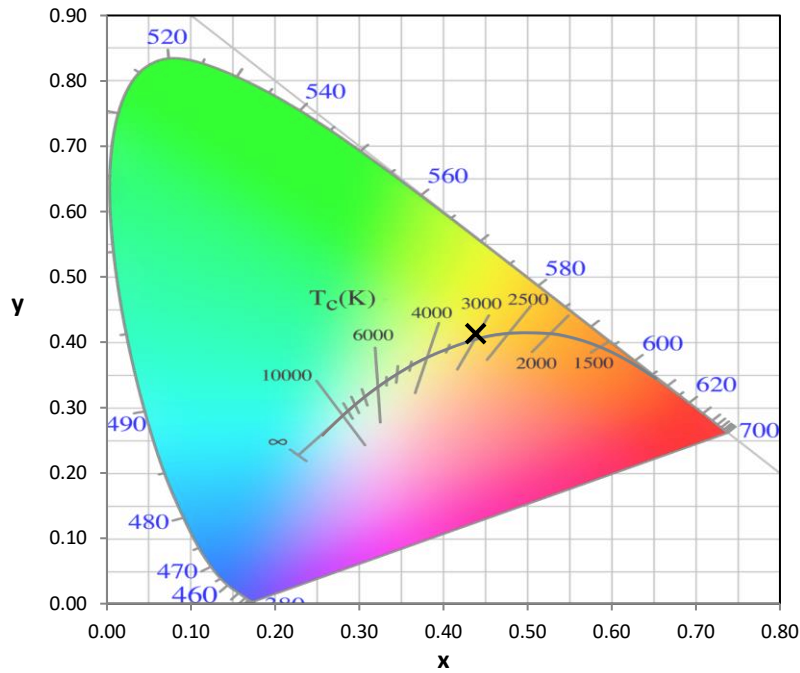
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

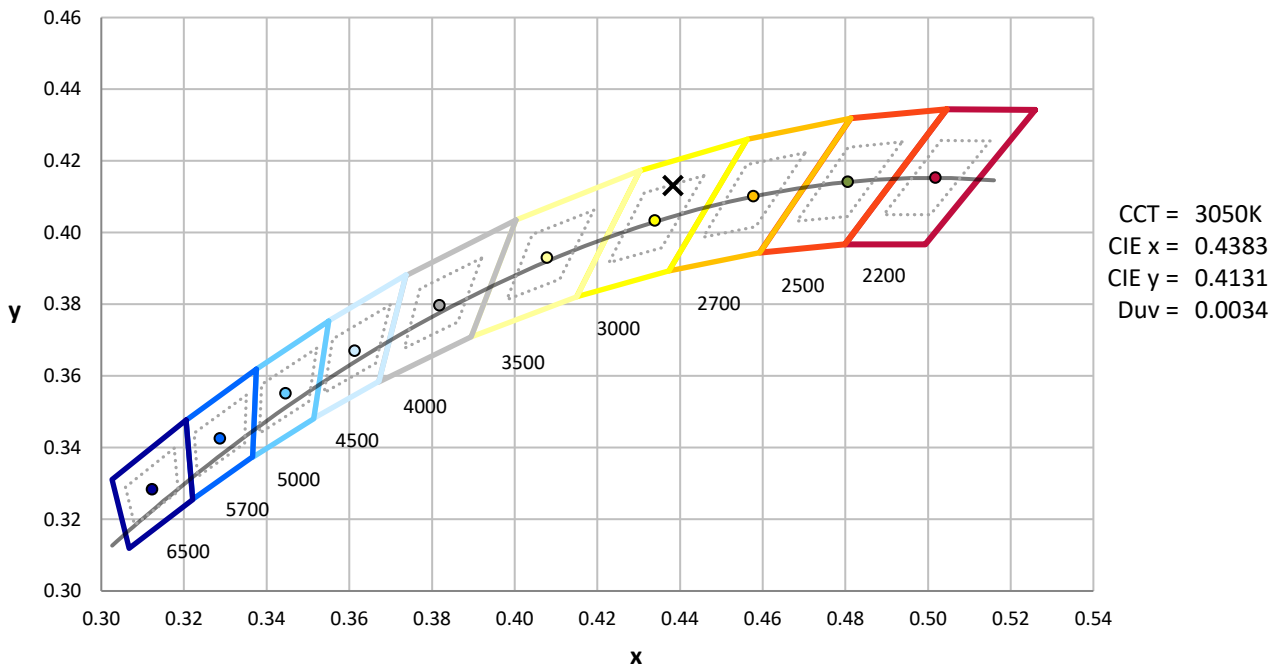
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

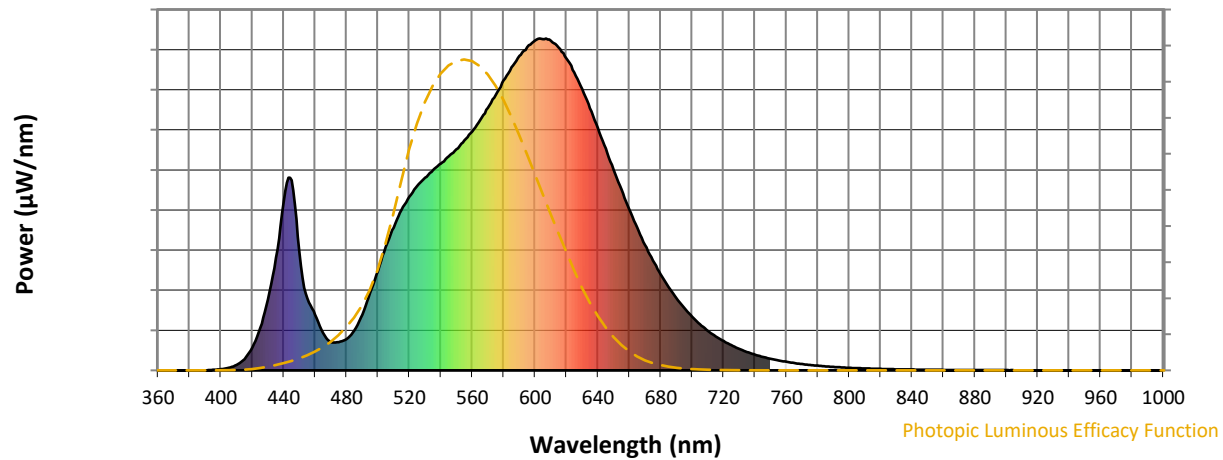


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

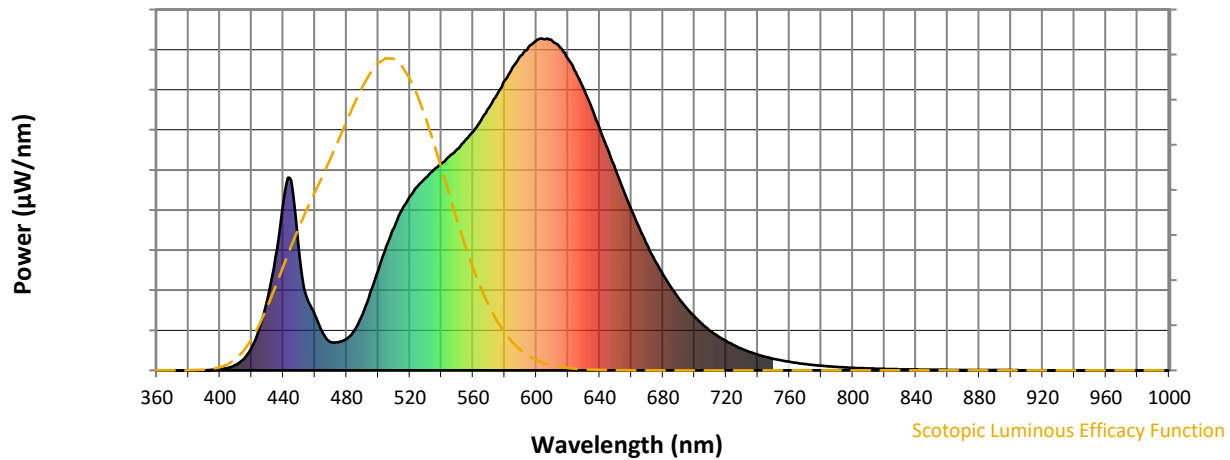


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

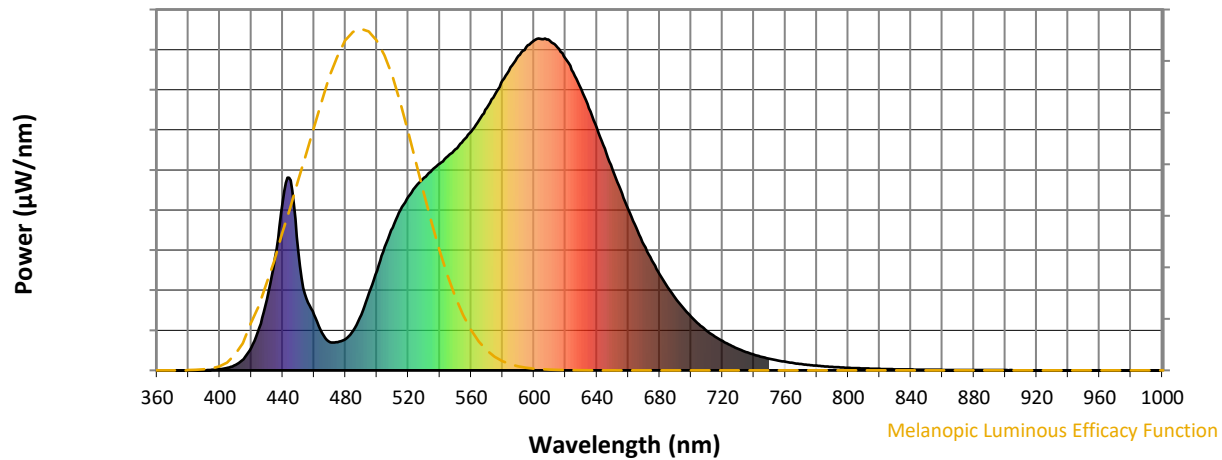


Scotopic Lumens: NR

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

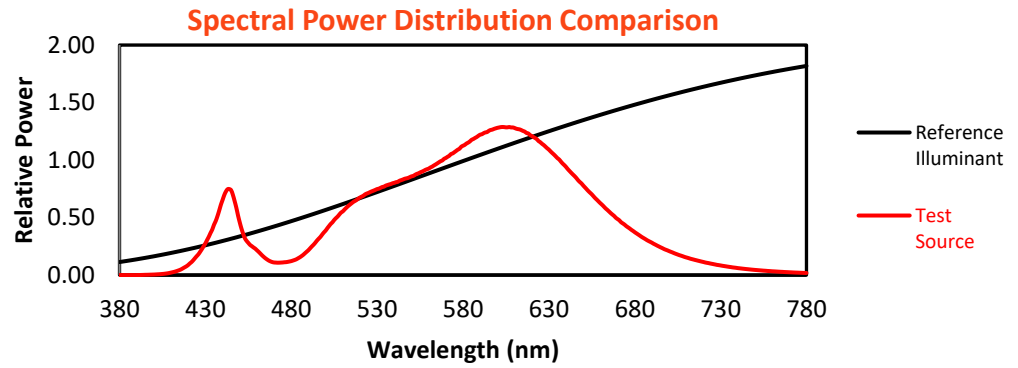
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	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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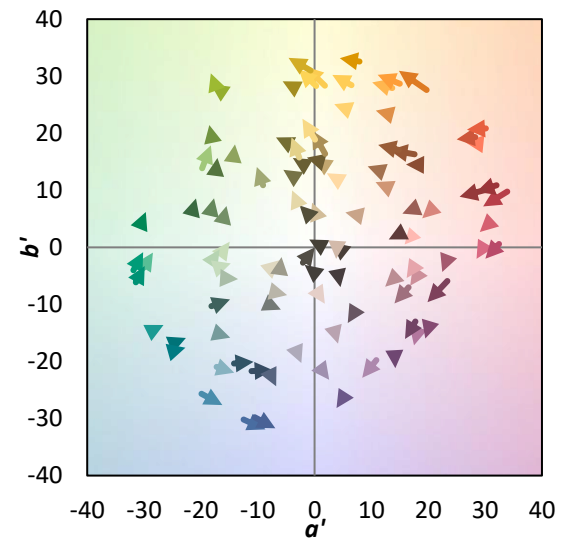
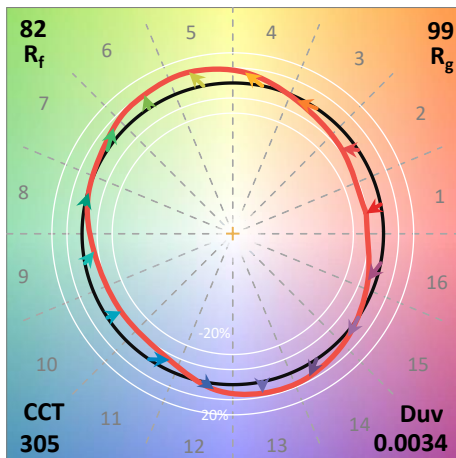
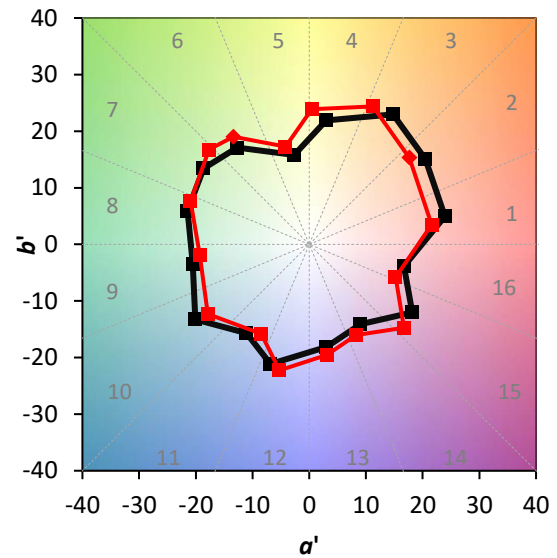
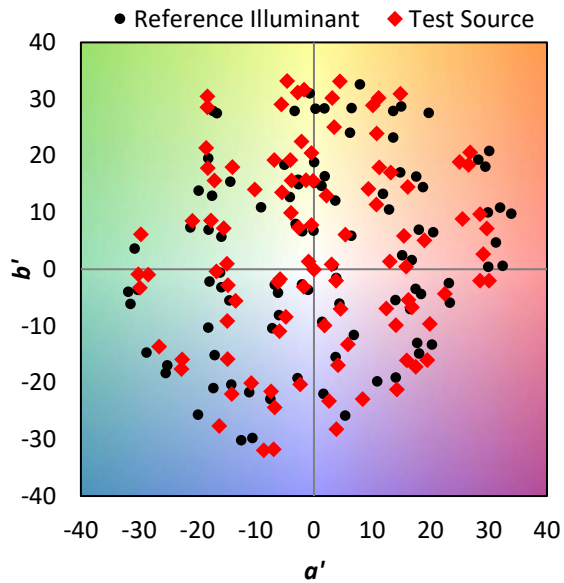
TM-30-18

Summary

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

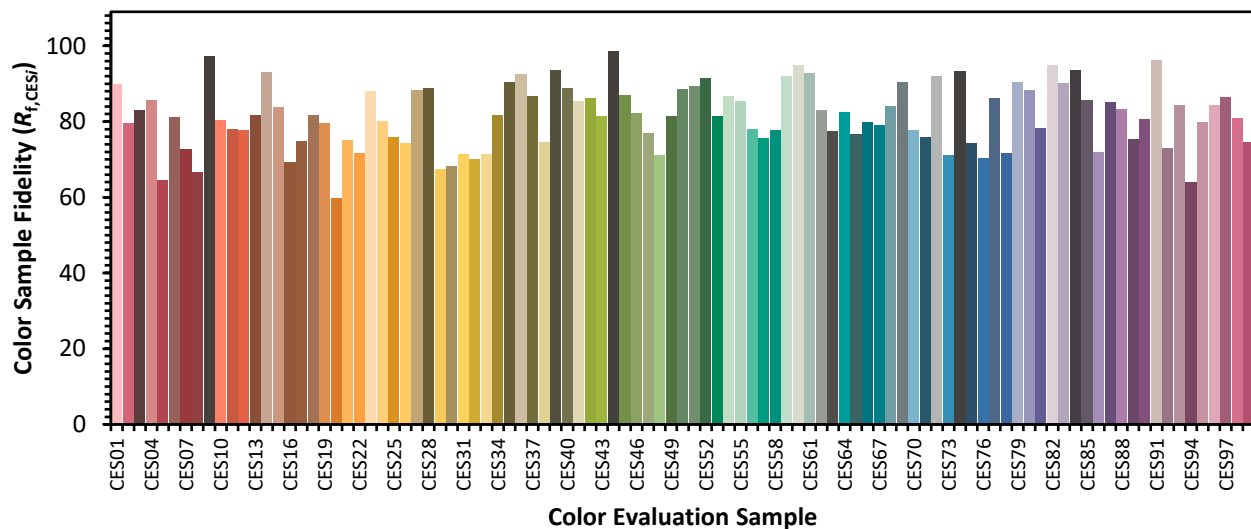


Color Vector Graphics

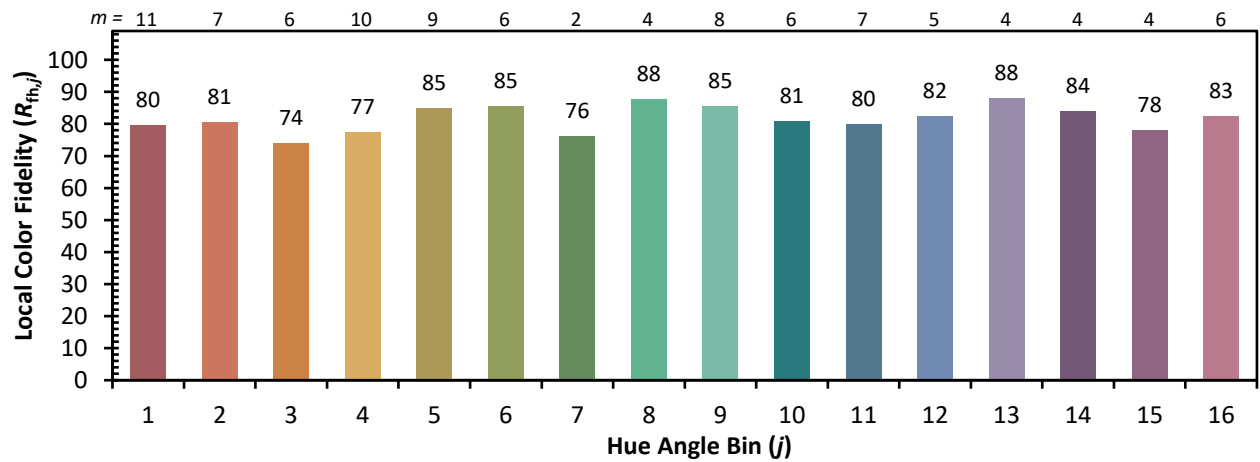
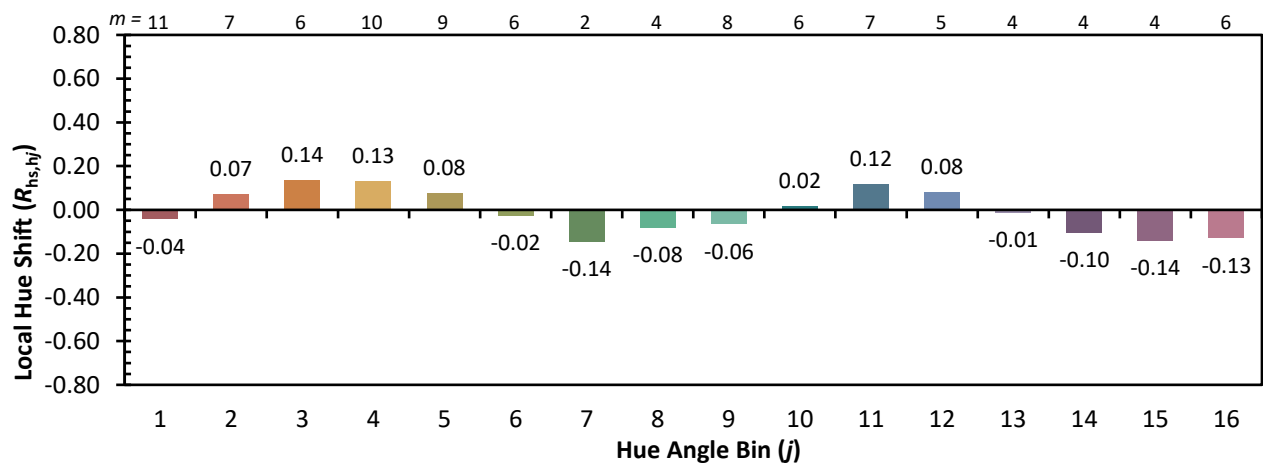
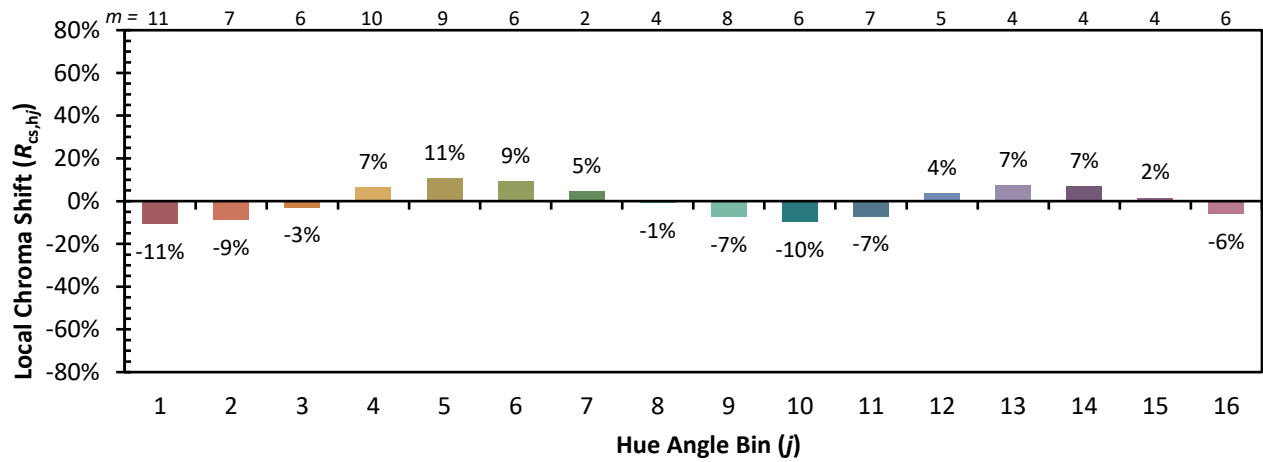


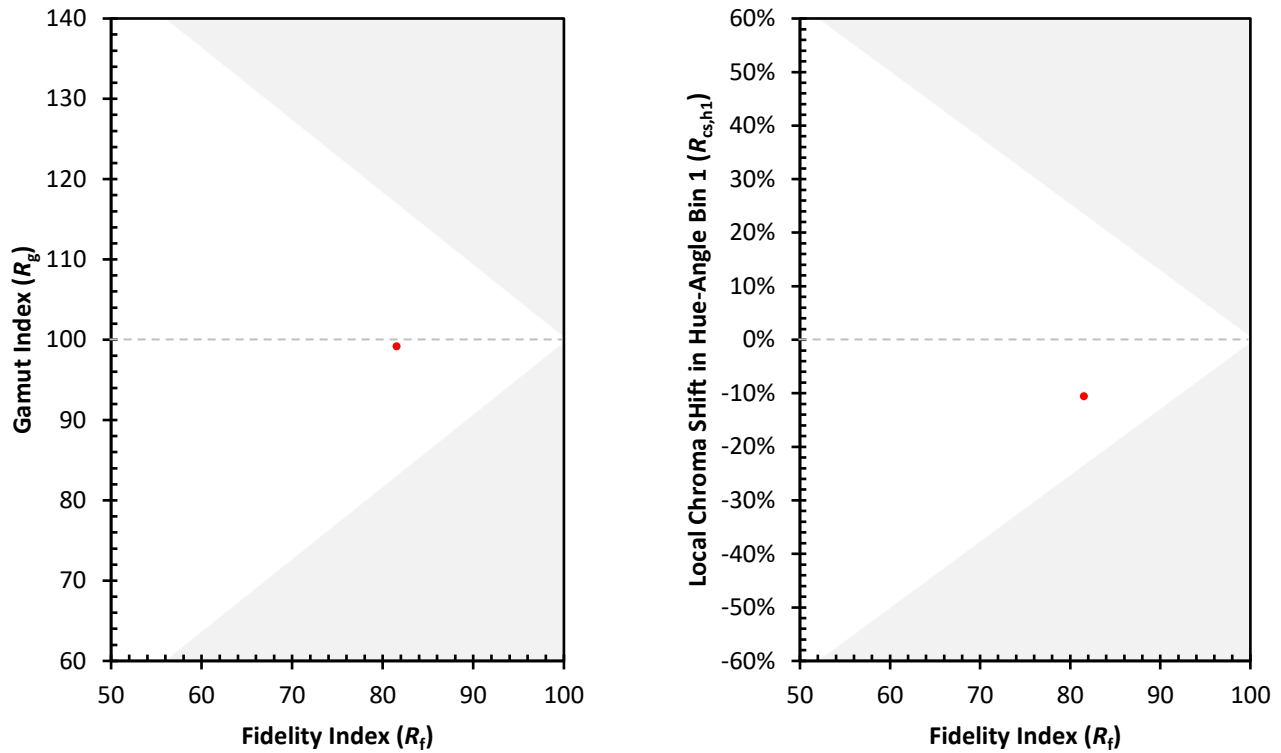
Individual Sample Fidelity Index ($R_{f,i}$)

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)