

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: P320480

Luminaire Tested: **GLEON-SA6B-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320480
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-SA6B-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA 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: 23869 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

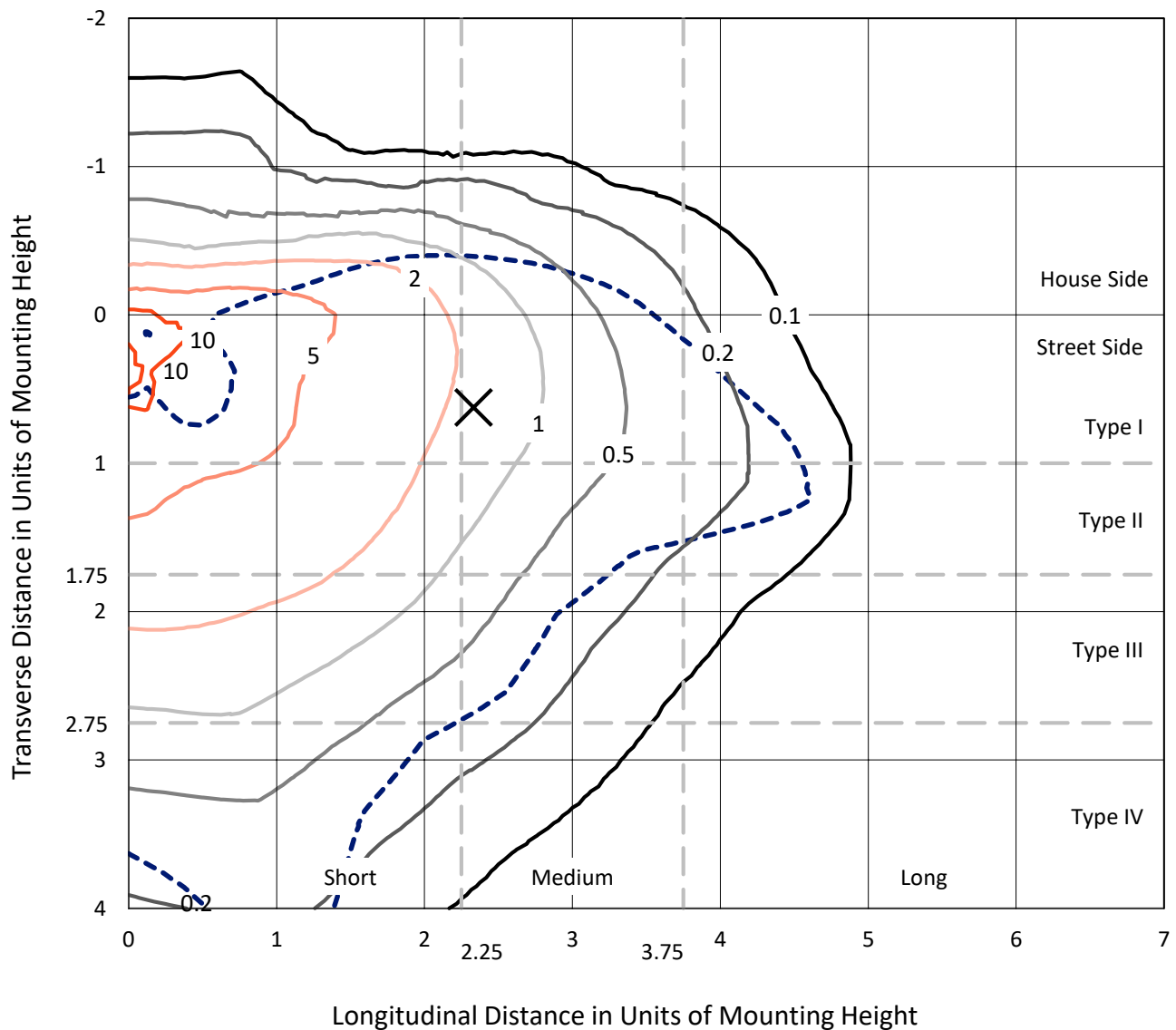
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

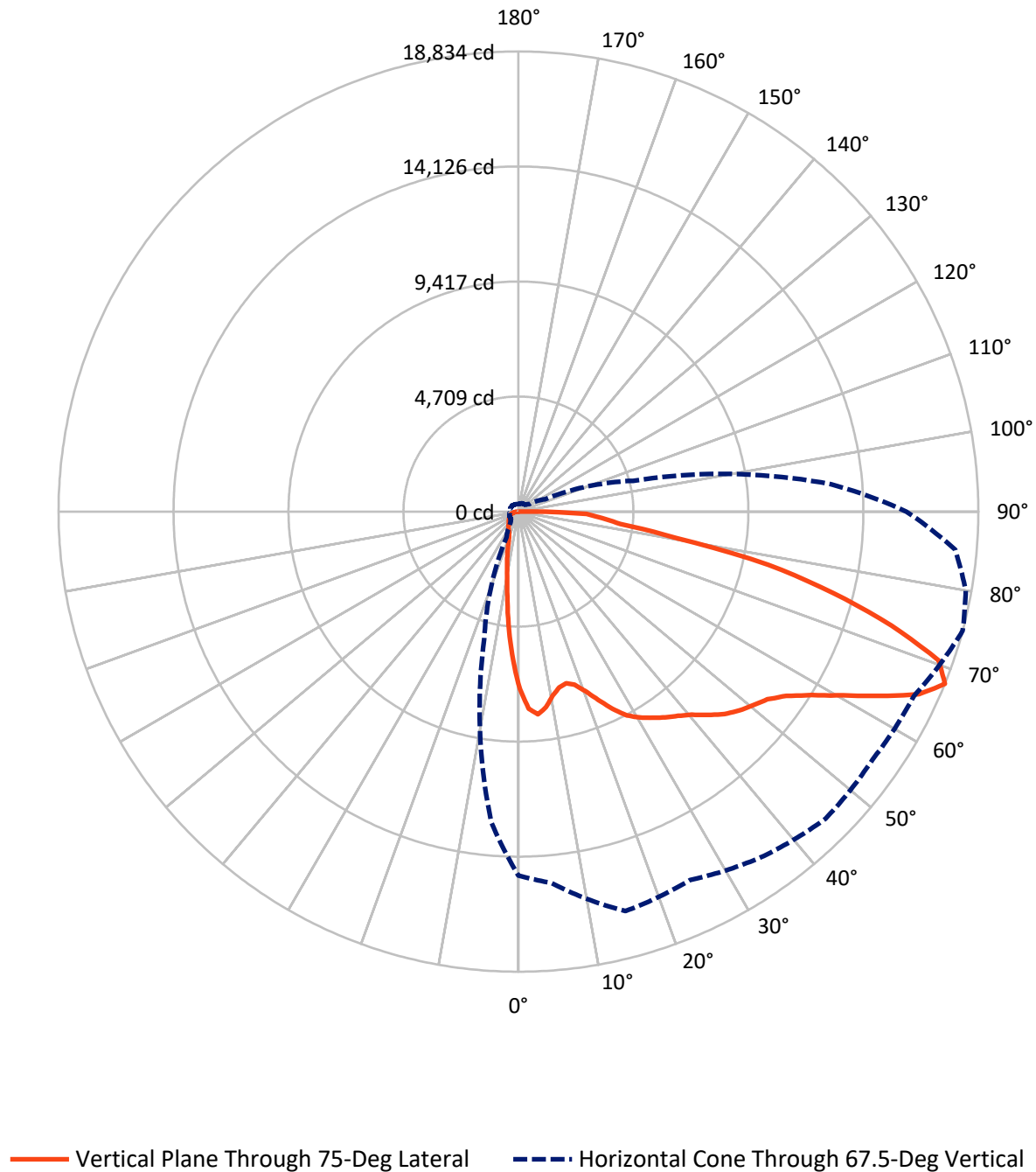
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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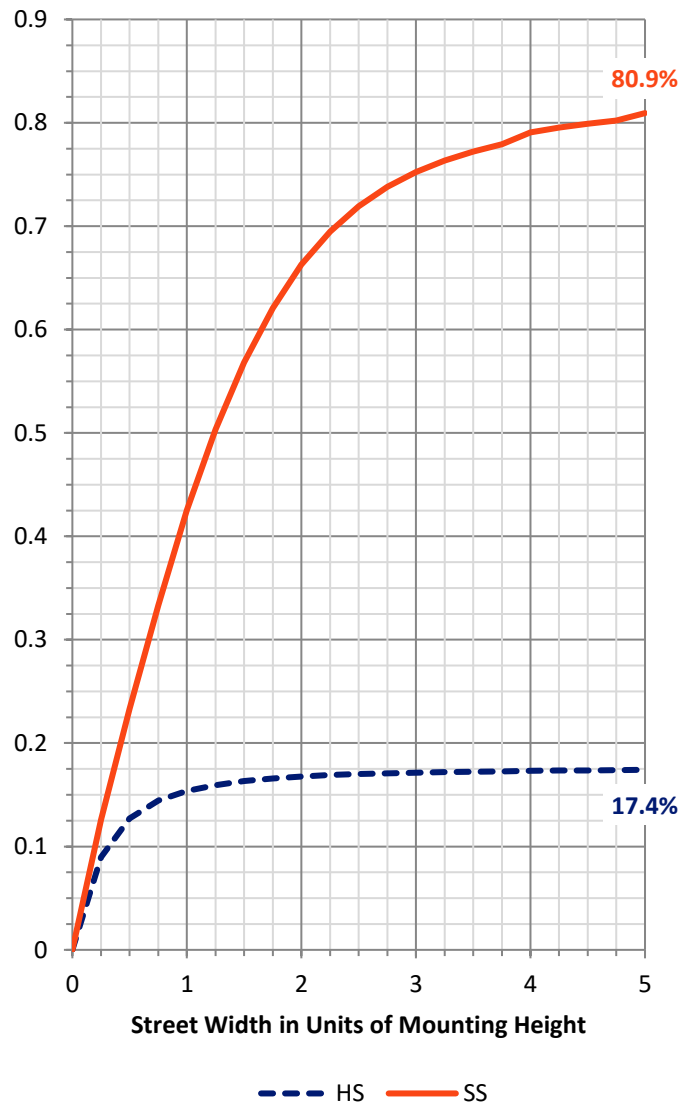
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4203.9	0.0	4203.9
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	19665.1	0.0	19665.1
	% Fixture	82.4	0.0	82.4
Total	Lumens	23869.0	0.0	23869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.2	2.4
10°-20°	1165.9	4.9
20°-30°	1658.1	6.9
30°-40°	2389.4	10.0
40°-50°	3367.3	14.1
50°-60°	4681.1	19.6
60°-70°	5660.9	23.7
70°-80°	3479.7	14.6
80°-90°	905.5	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°	23869.0	100.0
0°-180°	23869.0	100.0

Coefficient of Utilization



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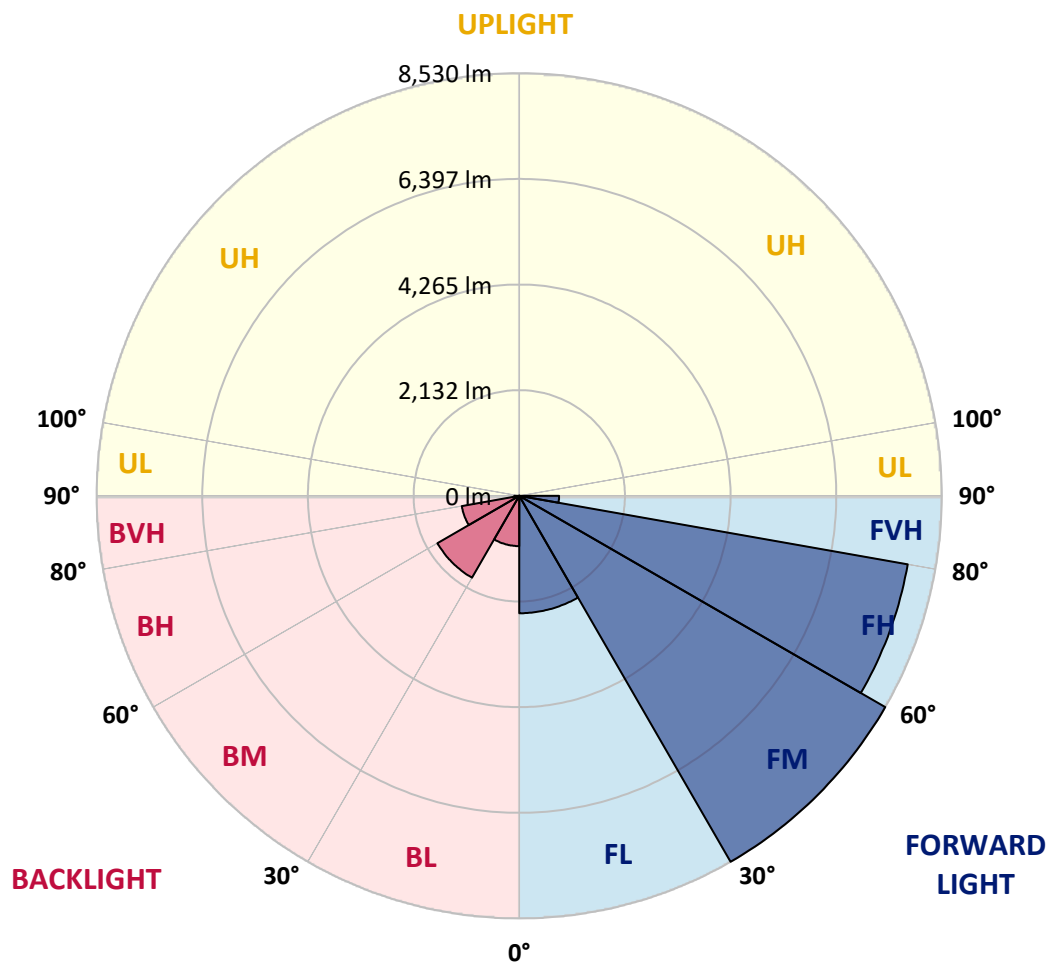
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2369.9	9.9			
FM	(30°-60°)	8529.5	35.7			
FH	(60°-80°)	7961.9	33.4			G4/12000
FVH	(80°-90°)	803.7	3.4			G5
BL	(0°-30°)	1015.3	4.3	B3/2500		
BM	(30°-60°)	1908.3	8.0	B2/2500		
BH	(60°-80°)	1178.6	4.9	B3/2500		G3/2500
BVH	(80°-90°)	101.7	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°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	7750.9	7853.0	7923.6	7993.3	8047.7	8101.1	8179.3	8257.6	8272.9	8287.2	8256.6
5°	7705.1	7954.1	8166.0	8376.9	8572.5	8768.2	8885.5	9002.9	9026.8	9050.6	8977.1
7.5°	7211.7	7579.1	7946.5	8313.9	8650.8	8987.6	9192.8	9397.0	9443.8	9489.6	9369.4
10°	6650.6	7078.1	7529.5	7980.9	8424.6	8868.4	9165.1	9461.9	9521.1	9580.3	9430.4
12.5°	6224.0	6690.6	7172.6	7654.5	8123.0	8590.7	8897.9	9205.2	9278.7	9352.2	9243.4
15°	6059.8	6571.3	7024.6	7477.9	7886.4	8293.9	8545.8	8796.8	8827.3	8856.9	8839.7
17.5°	6224.0	6788.0	7198.3	7607.7	7830.1	8051.5	8152.6	8252.8	8286.2	8318.7	8362.6
20°	6704.0	7312.8	7602.0	7890.2	7880.6	7870.2	7821.5	7771.9	7763.3	7754.7	7878.7
22.5°	7389.2	8096.3	8211.8	8326.3	8058.1	7790.0	7626.8	7462.7	7430.2	7396.8	7528.5
25°	8193.7	8946.6	8925.6	8903.7	8393.1	7881.6	7570.5	7259.4	7223.1	7186.9	7299.5
27.5°	9068.8	9788.3	9650.9	9513.5	8819.7	8125.9	7674.5	7223.1	7186.9	7150.6	7249.9
30°	9753.0	10405.7	10185.3	9964.9	9179.5	8394.1	7857.7	7321.4	7262.3	7202.1	7324.3
32.5°	10332.3	10887.7	10591.8	10296.0	9471.5	8647.0	8066.7	7486.5	7394.0	7301.4	7464.6
35°	10935.4	11368.6	10952.6	10535.5	9732.0	8927.5	8313.9	7699.3	7585.8	7472.2	7696.5
37.5°	11613.9	11973.7	11376.3	10777.9	10025.0	9272.0	8684.2	8095.4	7978.9	7862.5	8148.8
40°	12330.6	12630.2	11833.4	11036.5	10345.6	9654.7	9196.6	8737.6	8626.9	8515.3	8862.6
42.5°	12957.6	13176.1	12259.0	11341.9	10732.1	10121.4	9798.8	9475.3	9474.3	9472.4	9824.6
45°	13429.9	13619.8	12614.0	11607.2	11109.1	10610.0	10442.0	10274.0	10408.6	10543.2	10861.9
47.5°	13822.2	13951.0	12911.7	11871.6	11540.4	11209.3	11234.1	11258.9	11532.8	11806.7	12011.8
50°	14270.7	14166.7	13181.8	12196.0	12093.9	11991.8	12215.1	12437.5	12752.4	13066.3	13205.7
52.5°	14756.4	14480.6	13548.3	12615.0	12729.5	12844.0	13298.2	13752.5	14070.3	14388.1	14440.5
55°	15629.6	15206.8	14222.0	13236.2	13456.7	13676.1	14343.2	15009.3	15257.4	15505.5	15524.6
57.5°	16613.5	16238.5	15165.8	14093.2	14329.8	14566.5	15336.6	16105.8	16374.0	16641.2	16603.9
60°	16992.4	17010.5	16061.9	15112.4	15350.9	15589.5	16339.6	17089.7	17397.9	17705.2	17623.1
62.5°	16610.6	17058.2	16551.5	16043.8	16260.4	16476.1	17210.9	17945.7	18261.6	18577.5	18434.3
65°	15855.8	16299.5	16526.7	16753.8	16825.3	16896.9	17583.1	18268.3	18510.7	18752.1	18679.6
67.5°	14895.7	15254.6	16092.4	16929.4	16785.3	16641.2	16962.8	17284.4	17533.4	17782.5	17741.5
70°	13784.0	14211.5	15329.0	16446.5	15738.4	15029.3	14896.7	14764.0	15033.2	15301.3	15135.3
72.5°	11790.4	12435.5	13627.5	14818.4	13513.9	12209.4	11756.1	11302.8	11643.5	11984.2	11719.8
75°	8905.6	9761.6	11078.5	12394.5	10838.0	9281.6	8676.5	8071.5	8364.5	8657.5	8476.1
77.5°	6193.4	7267.0	8563.9	9860.8	8278.6	6695.4	6245.9	5795.5	5883.3	5970.1	5939.6
80°	4222.8	4929.0	5833.7	6737.4	5683.8	4630.3	4665.6	4700.0	4658.9	4616.9	4678.0
82.5°	2648.2	3145.4	3843.9	4541.5	3982.3	3423.1	3743.7	4064.4	3906.9	3748.5	3807.7
85°	1491.6	1795.0	2478.3	3160.7	2945.9	2730.3	2918.3	3105.3	2861.0	2616.7	2724.5
87.5°	284.4	473.3	1371.3	2268.4	2059.4	1850.4	1608.0	1365.6	1042.1	718.6	1049.7
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



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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°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	8226.1	8209.9	8193.7	8135.4	8076.3	7988.5	7916.0	7790.0	7721.3	7617.3	7513.2
5°	8902.7	8799.6	8696.6	8519.1	8340.6	8142.1	7914.0	7661.2	7470.3	7222.2	6974.1
7.5°	9249.1	9008.6	8767.2	8426.5	8084.9	7777.6	7416.9	7080.9	6794.7	6472.1	6149.5
10°	9280.6	8919.9	8558.2	8115.4	7671.7	7298.5	6883.4	6510.3	6166.7	5796.4	5425.2
12.5°	9133.7	8750.0	8365.4	7877.8	7389.2	6965.5	6518.9	6100.9	5720.1	5312.6	4904.2
15°	8822.5	8516.2	8208.9	7751.8	7294.7	6867.2	6433.9	5938.6	5508.2	5091.2	4673.2
17.5°	8405.5	8260.5	8114.5	7784.3	7453.1	7082.9	6663.0	6081.8	5577.9	5124.6	4671.3
20°	8001.8	8055.3	8107.8	7976.1	7844.4	7547.6	7181.1	6528.4	5885.2	5292.6	4699.0
22.5°	7659.3	7916.0	8171.7	8273.8	8375.0	8196.5	7910.2	7155.4	6304.1	5530.2	4756.3
25°	7411.1	7836.8	8262.4	8602.1	8940.9	8861.7	8641.2	7916.9	6859.5	5872.8	4885.1
27.5°	7349.1	7871.1	8393.1	8919.9	9445.7	9519.2	9458.1	8719.5	7521.8	6298.4	5074.0
30°	7446.4	7975.1	8502.9	9144.1	9784.5	10077.5	10159.5	9388.5	8278.6	6794.7	5309.8
32.5°	7627.8	8145.9	8664.1	9362.7	10060.3	10503.1	10764.6	10000.2	8806.3	7168.7	5530.2
35°	7920.7	8405.5	8890.3	9617.5	10344.7	10917.2	11394.4	10631.9	9274.9	7430.2	5584.6
37.5°	8434.1	8851.2	9268.2	9940.0	10610.9	11353.4	12070.0	11327.6	9781.6	7682.2	5581.7
40°	9210.0	9504.9	9798.8	10366.6	10933.5	11867.7	12835.4	12103.4	10341.8	7955.1	5568.4
42.5°	10176.7	10328.4	10479.2	10928.7	11378.2	12405.0	13530.1	12862.1	10876.2	8208.9	5541.6
45°	11179.7	11219.8	11259.8	11543.3	11825.7	12830.6	14003.5	13431.8	11342.9	8429.4	5514.9
47.5°	12216.1	12078.6	11941.2	12053.8	12166.4	13157.0	14341.3	13864.1	11811.4	8673.7	5535.0
50°	13345.0	12962.3	12579.6	12520.5	12461.3	13483.4	14739.2	14413.8	12374.5	9029.6	5684.8
52.5°	14492.1	13861.3	13230.5	12996.7	12761.9	13872.7	15267.0	15098.1	13178.0	9581.2	5983.5
55°	15543.7	14741.1	13938.6	13623.7	13308.7	14468.2	15911.1	16102.9	14207.7	10286.5	6364.3
57.5°	16565.8	15656.3	14746.9	14454.9	14162.8	15343.3	16727.1	17004.8	15247.9	10963.1	6677.3
60°	17541.1	16641.2	15740.3	15506.5	15271.7	16431.2	17608.8	17406.5	15784.2	11279.9	6774.6
62.5°	18291.2	17575.4	16859.7	16736.6	16612.5	17531.5	18286.4	17250.0	15443.5	10967.8	6492.1
65°	18607.0	18199.5	17791.1	17906.6	18021.1	18363.7	18455.3	16791.9	14372.8	10093.7	5814.6
67.5°	17699.5	17782.5	17865.5	18350.3	18834.2	18598.4	17953.3	15889.2	12848.8	8855.0	4861.2
70°	14968.3	15466.4	15963.6	17110.7	18256.8	17733.8	16608.7	14268.8	11014.6	7428.3	3841.1
72.5°	11454.5	12014.7	12573.9	14276.4	15977.9	15496.0	14118.0	11719.8	8831.1	5932.0	3031.8
75°	8293.9	8926.6	9558.3	11436.4	13314.5	12645.5	10560.3	8391.2	6707.8	4528.2	2347.6
77.5°	5908.1	6331.8	6755.5	8610.7	10464.9	9375.1	7029.4	5646.6	4642.7	3147.3	1650.9
80°	4739.1	4609.3	4479.5	5513.0	6546.5	6365.2	4649.4	3626.4	3213.1	2109.0	1004.9
82.5°	3865.9	3549.1	3232.2	3718.9	4205.6	4178.9	3226.5	2660.6	2391.5	1465.8	540.1
85°	2831.4	2704.5	2577.6	3008.0	3438.4	3071.0	2185.4	1691.0	1864.7	1079.3	293.9
87.5°	1380.9	1577.5	1773.1	2280.8	2787.5	2092.8	663.2	328.3	454.2	298.7	142.2
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: P320480
 CATALOG NUMBER: GLEON-SA6B-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: P320480

CATALOG NUMBER: GLEON-SA6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	7435.9	7357.7	7268.9	7180.2	7079.0	6976.9	6916.8	6855.7	6789.9	6724.0	6649.6
5°	6809.9	6645.8	6459.7	6273.6	6089.4	5905.2	5806.0	5706.7	5601.8	5495.8	5404.2
7.5°	5911.0	5671.4	5413.8	5155.2	4926.1	4696.1	4553.9	4410.8	4281.0	4150.3	4040.5
10°	5119.8	4814.5	4555.9	4296.3	4123.6	3950.8	3820.1	3689.3	3563.4	3436.5	3315.3
12.5°	4598.8	4293.4	4129.3	3965.1	3822.0	3678.8	3528.1	3376.3	3203.6	3029.9	2903.0
15°	4395.5	4117.8	3935.6	3752.3	3560.5	3367.7	3182.6	2997.5	2793.3	2589.0	2444.9
17.5°	4307.7	3944.1	3689.3	3433.6	3180.7	2927.8	2713.1	2498.4	2275.1	2051.8	1905.7
20°	4215.2	3731.3	3389.7	3047.1	2722.6	2398.2	2154.8	1911.5	1712.0	1512.6	1400.9
22.5°	4131.2	3505.2	3076.7	2647.2	2263.6	1880.0	1641.4	1401.9	1279.7	1157.6	1112.7
25°	4096.8	3307.6	2780.8	2254.1	1849.4	1443.9	1274.0	1104.1	1057.4	1009.7	986.8
27.5°	4102.6	3131.1	2531.8	1931.5	1567.0	1202.4	1086.0	969.6	940.9	911.4	897.0
30°	4124.5	2939.3	2297.0	1654.8	1354.2	1053.6	978.2	901.8	871.3	840.7	822.6
32.5°	4149.3	2767.5	2115.7	1462.9	1217.7	971.5	909.5	846.5	816.9	787.3	769.2
35°	4106.4	2627.2	1991.6	1356.1	1129.9	902.8	850.3	796.8	764.4	732.0	714.8
37.5°	4033.8	2486.0	1895.2	1303.6	1072.6	840.7	802.6	763.4	730.0	695.7	679.5
40°	3968.0	2366.7	1823.7	1279.7	1041.1	801.6	769.2	736.7	702.4	667.1	648.0
42.5°	3914.6	2286.5	1753.1	1219.6	1012.5	804.5	758.7	711.9	678.5	645.1	624.1
45°	3874.5	2234.0	1697.7	1161.4	985.8	810.2	752.0	693.8	660.4	626.0	601.2
47.5°	3870.7	2206.4	1658.6	1110.8	935.2	758.7	734.8	711.0	662.3	612.7	584.0
50°	3923.1	2161.5	1612.8	1063.1	886.5	710.0	742.4	773.9	690.9	606.9	570.7
52.5°	4032.9	2082.3	1540.2	998.2	827.4	655.6	706.2	755.8	684.2	611.7	564.9
55°	4165.5	1965.9	1430.5	894.2	749.1	603.1	648.0	691.9	647.0	601.2	544.9
57.5°	4248.6	1818.9	1292.1	765.4	661.3	557.3	583.1	607.9	589.8	571.6	514.4
60°	4198.9	1623.3	1136.6	648.9	584.0	519.1	514.4	508.6	535.4	562.1	496.2
62.5°	3956.5	1421.0	999.2	577.4	528.7	479.1	468.6	457.1	501.0	544.0	474.3
65°	3547.2	1279.7	912.3	544.9	490.5	436.1	424.7	413.2	426.6	439.9	407.5
67.5°	3027.1	1192.9	862.7	532.5	466.7	399.9	386.5	373.1	370.3	367.4	356.0
70°	2490.7	1139.4	830.2	521.1	440.9	359.8	347.4	335.0	331.1	326.4	317.8
72.5°	2082.3	1132.8	826.4	520.1	419.9	319.7	308.2	296.8	292.0	286.3	279.6
75°	1705.3	1063.1	784.4	505.8	391.3	275.8	265.3	254.8	251.0	246.2	240.5
77.5°	1265.4	879.9	659.4	439.0	335.0	230.9	220.4	209.0	208.0	206.1	201.4
80°	820.7	636.5	471.4	306.3	244.3	181.3	172.7	163.2	164.1	165.1	161.3
82.5°	456.2	371.2	288.2	205.2	167.0	128.8	125.0	120.2	123.1	125.0	120.2
85°	240.5	187.0	154.6	122.2	96.4	70.6	70.6	69.7	73.5	77.3	73.5
87.5°	104.0	65.8	56.3	45.8	25.8	4.8	5.7	5.7	7.6	9.5	8.6
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



REPORT NUMBER: P320480
 CATALOG NUMBER: GLEON-SA6B-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: P320480

CATALOG NUMBER: GLEON-SA6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	6574.2	6504.5	6433.9	6356.6	6370.9	6311.8	6252.6	6215.4	6178.2	6166.7	6155.3
5°	5312.6	5233.4	5153.2	5081.7	5143.7	5101.7	5059.7	5054.0	5047.3	5047.3	5046.4
7.5°	3930.8	3845.8	3760.0	3700.8	3761.9	3754.2	3746.6	3787.6	3828.7	3862.1	3894.5
10°	3194.1	3091.0	2987.0	2899.2	2883.9	2840.0	2795.2	2804.7	2813.3	2849.6	2885.8
12.5°	2776.1	2653.0	2529.9	2426.8	2380.0	2307.5	2234.0	2188.2	2142.4	2147.2	2151.0
15°	2299.9	2180.6	2060.3	1971.6	1942.0	1885.7	1829.4	1772.1	1713.9	1690.1	1665.3
17.5°	1758.8	1663.4	1567.0	1507.8	1507.8	1491.6	1475.4	1446.7	1417.1	1393.3	1368.5
20°	1289.3	1238.7	1187.2	1162.3	1170.0	1170.9	1170.9	1185.2	1199.6	1191.9	1184.3
22.5°	1066.9	1048.8	1030.6	1020.2	1024.0	1024.9	1025.9	1039.2	1051.6	1061.2	1069.8
25°	962.9	951.4	940.0	936.2	944.8	945.7	945.7	954.3	962.9	972.4	982.0
27.5°	881.8	877.0	872.2	865.6	874.1	874.1	873.2	882.7	891.3	899.9	907.5
30°	804.5	806.4	807.3	805.4	811.2	815.0	817.8	824.5	830.2	836.9	843.6
32.5°	750.1	747.2	744.4	742.4	754.9	761.5	768.2	774.9	780.6	783.5	786.3
35°	697.6	690.9	684.2	679.5	690.9	699.5	708.1	720.5	732.0	733.9	735.8
37.5°	662.3	653.7	645.1	639.4	644.2	648.0	651.8	665.2	678.5	686.1	692.8
40°	628.9	620.3	611.7	606.9	609.8	610.8	611.7	618.4	624.1	638.4	651.8
42.5°	602.2	591.7	581.2	575.4	577.4	579.3	580.2	579.3	578.3	591.7	605.0
45°	575.4	564.0	552.5	545.9	546.8	546.8	546.8	544.9	542.0	548.7	555.4
47.5°	554.5	541.1	527.7	521.1	519.1	517.2	515.3	514.4	512.5	517.2	521.1
50°	533.5	519.1	503.9	496.2	491.5	489.6	487.6	486.7	484.8	489.6	493.4
52.5°	517.2	500.1	482.9	470.5	465.7	462.8	460.0	460.9	460.9	462.8	463.8
55°	488.6	473.3	457.1	448.5	439.9	438.0	436.1	439.0	440.9	440.9	440.9
57.5°	457.1	442.8	427.5	421.8	414.2	414.2	413.2	417.0	419.9	421.8	423.7
60°	429.4	413.2	397.0	392.2	389.4	388.4	387.4	392.2	396.0	399.9	403.7
62.5°	403.7	386.5	369.3	363.6	362.6	363.6	363.6	368.4	372.2	376.0	379.8
65°	375.0	357.9	339.7	334.0	335.9	338.8	341.6	345.5	348.3	352.1	356.0
67.5°	343.5	329.2	314.0	308.2	309.2	313.0	316.8	319.7	321.6	325.4	329.2
70°	309.2	296.8	284.4	280.6	279.6	284.4	288.2	290.1	292.0	296.8	300.6
72.5°	272.0	261.5	251.0	248.1	249.1	251.9	254.8	257.7	259.6	264.3	268.2
75°	233.8	224.3	214.7	212.8	214.7	217.6	220.4	222.4	224.3	230.0	234.8
77.5°	196.6	186.1	174.6	173.7	176.5	179.4	181.3	184.2	187.0	194.7	202.3
80°	157.5	146.0	133.6	132.6	135.5	138.4	141.2	144.1	147.0	156.5	165.1
82.5°	115.5	102.1	88.8	86.8	96.4	99.2	102.1	106.9	110.7	119.3	127.9
85°	69.7	56.3	42.9	42.0	50.6	55.3	60.1	65.8	70.6	78.3	85.9
87.5°	7.6	3.8	0.0	0.0	1.0	4.8	8.6	13.4	18.1	25.8	32.4
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: P320480

CATALOG NUMBER: GLEON-SA6B-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: P320480

CATALOG NUMBER: GLEON-SA6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	6113.3	6070.3	6114.2	6157.2	6175.3	6193.4	6146.7	6099.0	6173.4	6246.9	6266.0
5°	5008.2	4969.1	4998.6	5027.3	4963.3	4899.4	4892.7	4885.1	4940.4	4995.8	5004.4
7.5°	3882.1	3869.7	3897.4	3925.1	3843.9	3761.9	3721.8	3681.7	3695.1	3708.4	3706.5
10°	2894.4	2902.0	2936.4	2969.8	2906.8	2843.8	2816.2	2788.5	2819.0	2848.6	2876.3
12.5°	2168.2	2184.4	2220.7	2256.0	2230.2	2203.5	2206.4	2209.2	2244.5	2278.9	2309.4
15°	1684.3	1703.4	1729.2	1754.0	1755.0	1755.0	1779.8	1803.6	1800.8	1797.9	1818.9
17.5°	1394.2	1419.1	1421.9	1424.8	1425.7	1426.7	1424.8	1422.9	1408.6	1394.2	1410.5
20°	1193.8	1202.4	1210.1	1216.7	1208.1	1198.6	1174.7	1150.9	1141.3	1131.8	1147.1
22.5°	1086.0	1101.3	1093.6	1085.0	1067.9	1049.7	1031.6	1012.5	1011.6	1009.7	1018.2
25°	995.3	1007.7	994.4	981.0	968.6	956.2	943.8	931.4	930.4	929.5	933.3
27.5°	919.9	931.4	919.0	906.6	896.1	885.6	876.1	866.5	864.6	862.7	863.6
30°	855.1	865.6	855.1	843.6	836.0	827.4	820.7	814.0	813.1	812.1	812.1
32.5°	796.8	807.3	799.7	792.1	785.4	778.7	773.9	769.2	764.4	759.6	749.1
35°	746.3	756.8	752.0	746.3	738.6	731.0	722.4	712.9	700.5	687.1	681.4
37.5°	703.3	713.8	709.0	704.3	693.8	683.3	668.0	651.8	648.0	643.2	642.2
40°	669.0	685.2	675.6	665.2	648.9	632.7	625.1	617.4	615.5	613.6	611.7
42.5°	630.8	655.6	638.4	621.3	606.0	590.7	588.8	586.9	585.9	585.0	585.0
45°	583.1	609.8	592.6	574.5	565.9	557.3	557.3	557.3	558.3	558.3	560.2
47.5°	538.2	554.5	545.9	537.3	532.5	527.7	528.7	529.6	532.5	534.4	539.2
50°	500.1	505.8	507.7	508.6	505.8	502.9	504.8	505.8	508.6	510.6	514.4
52.5°	472.4	481.0	481.0	480.0	480.0	480.0	481.9	483.8	486.7	489.6	493.4
55°	454.2	466.7	462.8	459.0	460.0	460.0	461.9	463.8	466.7	468.6	474.3
57.5°	437.1	450.4	446.6	442.8	442.8	442.8	443.8	444.7	447.6	449.5	453.3
60°	417.0	430.4	426.6	421.8	422.8	423.7	424.7	424.7	426.6	427.5	427.5
62.5°	393.2	406.5	402.7	397.9	400.8	402.7	402.7	402.7	404.6	405.6	402.7
65°	368.4	380.8	377.0	373.1	377.0	379.8	381.7	382.7	381.7	380.8	377.9
67.5°	341.6	354.0	350.2	345.5	350.2	354.0	357.9	360.7	357.9	355.0	351.2
70°	313.0	325.4	320.6	315.9	320.6	325.4	329.2	333.1	329.2	325.4	324.5
72.5°	282.5	296.8	291.1	285.3	291.1	296.8	298.7	300.6	297.7	294.9	293.0
75°	249.1	263.4	258.6	252.9	257.7	262.4	263.4	264.3	264.3	263.4	257.7
77.5°	213.8	225.2	222.4	219.5	222.4	225.2	225.2	225.2	226.2	226.2	218.5
80°	171.8	178.5	179.4	180.4	181.3	182.3	181.3	180.4	178.5	176.5	171.8
82.5°	127.9	127.9	135.5	142.2	142.2	141.2	140.3	138.4	134.6	129.8	119.3
85°	81.1	76.3	88.8	100.2	100.2	99.2	97.3	94.5	86.8	78.3	69.7
87.5°	27.7	22.9	35.3	47.7	48.7	48.7	46.8	44.9	37.2	28.6	21.9
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: P320480
 CATALOG NUMBER: GLEON-SA6B-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: P320480

CATALOG NUMBER: GLEON-SA6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	6294.6	6307.0	6318.5	6412.0	6504.5	6613.3	6722.1	6805.1	6887.2	6972.2	7057.1
5°	5034.0	5049.2	5064.5	5178.1	5290.7	5442.4	5594.1	5724.9	5855.6	6009.3	6162.9
7.5°	3731.3	3764.7	3797.2	3918.4	4038.6	4201.8	4364.0	4534.9	4704.7	4905.1	5105.5
10°	2930.7	2993.7	3055.7	3179.7	3303.8	3465.1	3625.4	3803.9	3982.3	4179.9	4376.4
12.5°	2372.4	2456.4	2539.4	2688.3	2837.1	3029.9	3221.7	3420.2	3617.8	3791.5	3965.1
15°	1874.3	1965.9	2056.5	2214.0	2371.4	2583.3	2794.2	3010.8	3226.5	3434.5	3642.6
17.5°	1462.0	1537.4	1611.8	1745.4	1878.1	2083.2	2288.4	2515.5	2742.7	2996.5	3249.4
20°	1179.5	1211.0	1242.5	1338.9	1434.3	1601.3	1767.4	1999.3	2231.2	2534.6	2838.1
22.5°	1033.5	1049.7	1065.0	1111.8	1157.6	1265.4	1372.3	1577.5	1781.7	2112.8	2443.0
25°	945.7	958.1	970.5	1001.1	1031.6	1083.1	1134.7	1278.8	1422.9	1748.3	2072.8
27.5°	866.5	885.6	903.7	918.0	931.4	966.7	1001.1	1095.5	1190.0	1493.5	1796.0
30°	809.3	815.9	822.6	844.6	865.6	901.8	938.1	1003.9	1069.8	1326.5	1582.2
32.5°	742.4	752.0	761.5	784.4	807.3	840.7	874.1	927.6	980.1	1199.6	1418.1
35°	682.3	691.9	701.4	724.3	746.3	782.5	817.8	862.7	906.6	1097.5	1288.3
37.5°	645.1	654.7	664.2	684.2	703.3	739.6	774.9	810.2	844.6	1021.1	1197.7
40°	613.6	623.2	632.7	651.8	669.9	705.2	739.6	769.2	798.8	963.8	1128.9
42.5°	585.9	596.4	606.9	626.0	644.2	675.6	707.1	746.3	784.4	914.2	1043.1
45°	563.0	573.5	583.1	604.1	625.1	655.6	686.1	740.5	794.9	888.5	982.0
47.5°	542.0	553.5	564.0	586.9	609.8	648.0	685.2	731.0	775.8	868.4	961.0
50°	522.0	535.4	548.7	576.4	603.1	667.1	730.0	736.7	742.4	852.2	961.0
52.5°	502.9	518.2	533.5	567.8	601.2	675.6	750.1	726.2	701.4	821.7	941.9
55°	483.8	497.2	509.6	551.6	593.6	648.0	702.4	670.9	638.4	764.4	890.4
57.5°	458.1	472.4	485.7	530.6	575.4	613.6	650.8	622.2	592.6	699.5	805.4
60°	431.3	447.6	463.8	521.1	577.4	570.7	563.0	557.3	550.6	627.0	703.3
62.5°	407.5	424.7	441.8	516.3	590.7	544.9	499.1	503.9	507.7	564.0	620.3
65°	383.6	400.8	417.0	454.2	491.5	473.3	455.2	462.8	469.5	524.9	580.2
67.5°	356.9	372.2	386.5	398.9	411.3	413.2	415.1	422.8	430.4	496.2	561.1
70°	327.3	339.7	352.1	360.7	368.4	372.2	375.0	384.6	394.1	465.7	537.3
72.5°	293.9	304.4	314.0	321.6	329.2	332.1	334.0	343.5	353.1	429.4	505.8
75°	257.7	266.3	273.9	280.6	287.2	291.1	294.9	301.6	308.2	391.3	473.3
77.5°	217.6	226.2	233.8	239.5	244.3	248.1	251.0	259.6	268.2	337.8	406.5
80°	169.9	180.4	189.9	194.7	198.5	199.4	199.4	207.1	214.7	264.3	313.0
82.5°	120.2	131.7	142.2	146.0	149.8	149.8	149.8	158.4	167.0	200.4	232.9
85°	70.6	83.0	94.5	98.3	102.1	104.0	105.0	108.8	111.7	135.5	158.4
87.5°	21.9	32.4	42.0	43.9	45.8	49.6	53.4	54.4	54.4	70.6	86.8
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: P320480
 CATALOG NUMBER: GLEON-SA6B-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: P320480

CATALOG NUMBER: GLEON-SA6B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8	7271.8
2.5°	7154.4	7251.8	7365.3	7477.9	7574.3	7670.7	7750.9
5°	6358.5	6554.2	6793.7	7032.3	7245.1	7457.9	7705.1
7.5°	5358.4	5611.3	5921.5	6231.6	6532.2	6831.9	7211.7
10°	4634.1	4890.8	5219.1	5546.4	5884.2	6221.1	6650.6
12.5°	4174.1	4382.2	4700.0	5017.7	5414.7	5810.8	6224.0
15°	3870.7	4097.8	4407.0	4716.2	5150.4	5584.6	6059.8
17.5°	3547.2	3843.9	4240.0	4636.0	5150.4	5663.8	6224.0
20°	3208.4	3577.7	4091.1	4604.5	5297.3	5989.2	6704.0
22.5°	2870.5	3298.1	3956.5	4614.1	5519.7	6424.4	7389.2
25°	2566.1	3059.5	3874.5	4688.5	5843.2	6997.0	8193.7
27.5°	2335.2	2873.4	3841.1	4807.8	6253.6	7699.3	9068.8
30°	2130.0	2677.8	3801.0	4924.2	6648.6	8372.1	9753.0
32.5°	1952.5	2486.9	3723.7	4959.5	6924.4	8889.3	10332.3
35°	1813.2	2338.0	3593.9	4849.8	7097.2	9344.6	10935.4
37.5°	1692.9	2188.2	3446.0	4703.8	7250.8	9797.8	11613.9
40°	1578.4	2027.9	3319.1	4609.3	7462.7	10316.0	12330.6
42.5°	1469.6	1896.2	3217.0	4537.7	7659.3	10779.8	12957.6
45°	1388.5	1795.0	3126.3	4456.6	7786.2	11115.7	13429.9
47.5°	1348.4	1734.9	3077.6	4419.4	7913.1	11405.9	13822.2
50°	1342.7	1724.4	3133.0	4541.5	8187.9	11833.4	14270.7
52.5°	1341.8	1741.6	3292.4	4843.1	8698.5	12552.9	14756.4
55°	1321.7	1752.1	3482.3	5211.5	9383.7	13554.9	15629.6
57.5°	1260.6	1715.8	3677.9	5639.0	10108.0	14576.1	16613.5
60°	1166.2	1628.0	3839.2	6049.3	10594.7	15139.1	16992.4
62.5°	1047.8	1474.4	3892.6	6309.9	10581.3	14852.8	16610.6
65°	946.7	1313.1	3717.0	6120.0	10046.0	13971.0	15855.8
67.5°	857.0	1151.8	3278.0	5403.3	9083.1	12761.9	14895.7
70°	792.1	1045.9	2712.1	4378.4	7877.8	11376.3	13784.0
72.5°	751.0	995.3	2211.1	3426.0	6392.9	9358.9	11790.4
75°	694.7	916.1	1734.9	2552.8	4892.7	7232.7	8905.6
77.5°	589.8	772.0	1307.4	1842.8	3590.1	5336.5	6193.4
80°	455.2	596.4	899.0	1201.5	2470.7	3739.9	4222.8
82.5°	324.5	416.1	544.9	673.7	1641.4	2608.1	2648.2
85°	200.4	242.4	312.1	381.7	1086.0	1790.3	1491.6
87.5°	107.8	128.8	165.1	200.4	347.4	494.3	284.4
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: P320480
 CATALOG NUMBER: GLEON-SA6B-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.

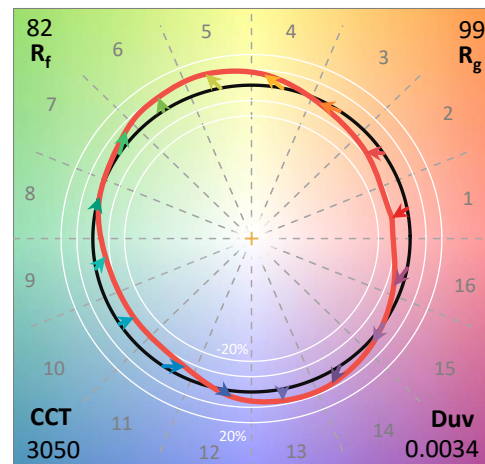
Test Information

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
 Rf: 81.5
 Rg: 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

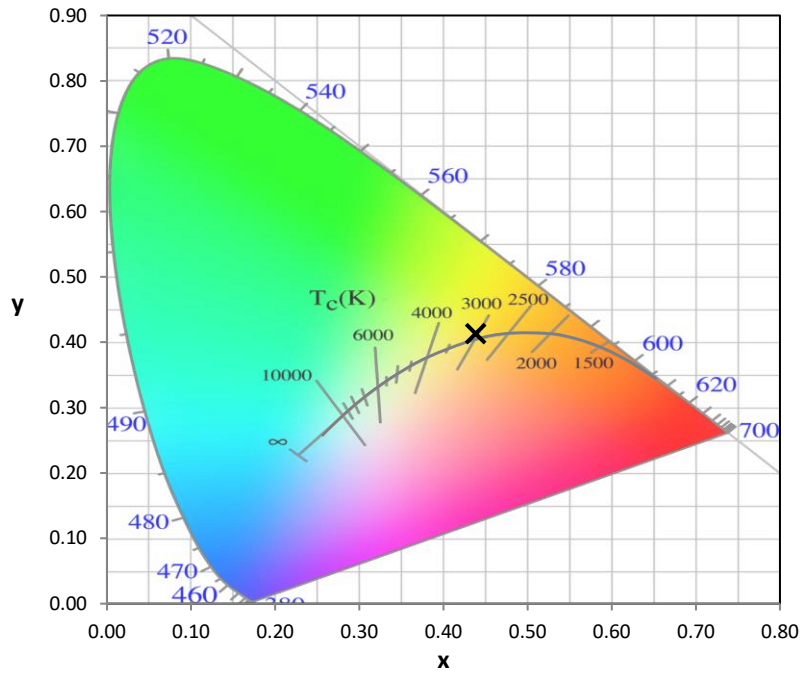
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

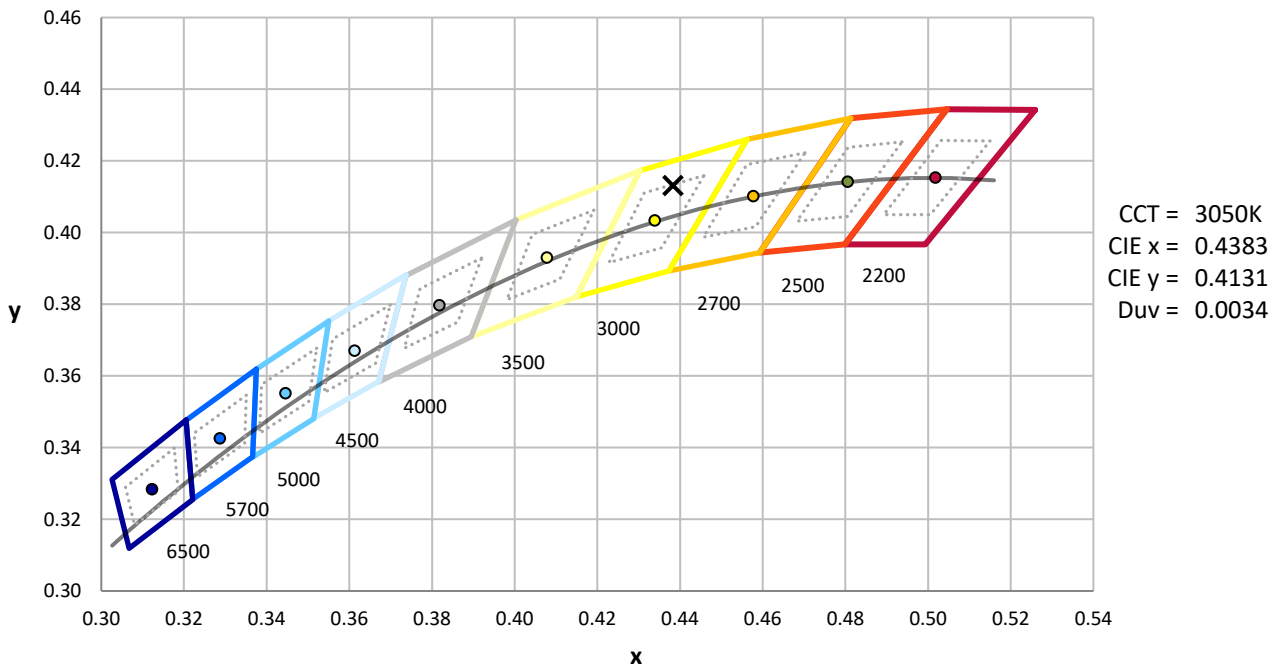
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



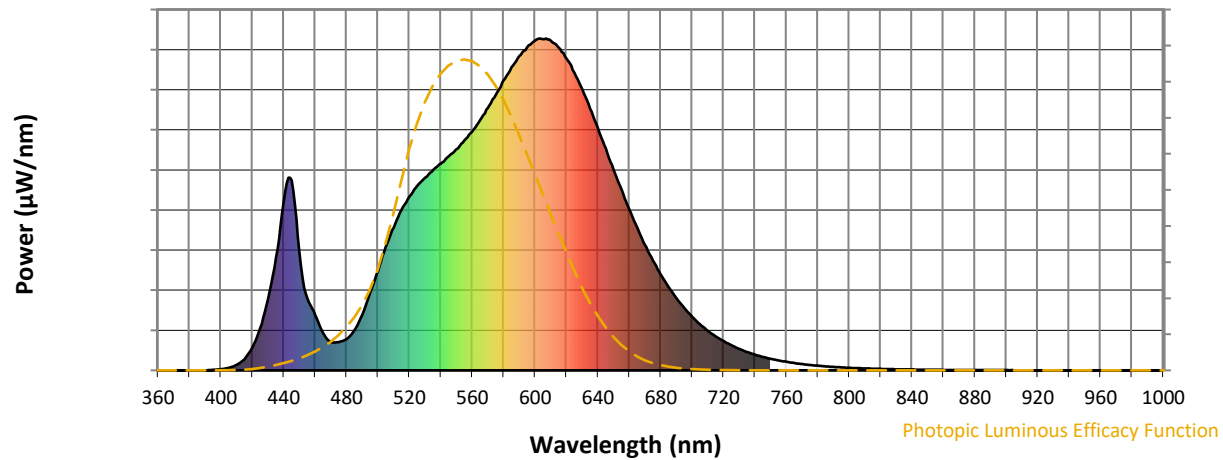
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

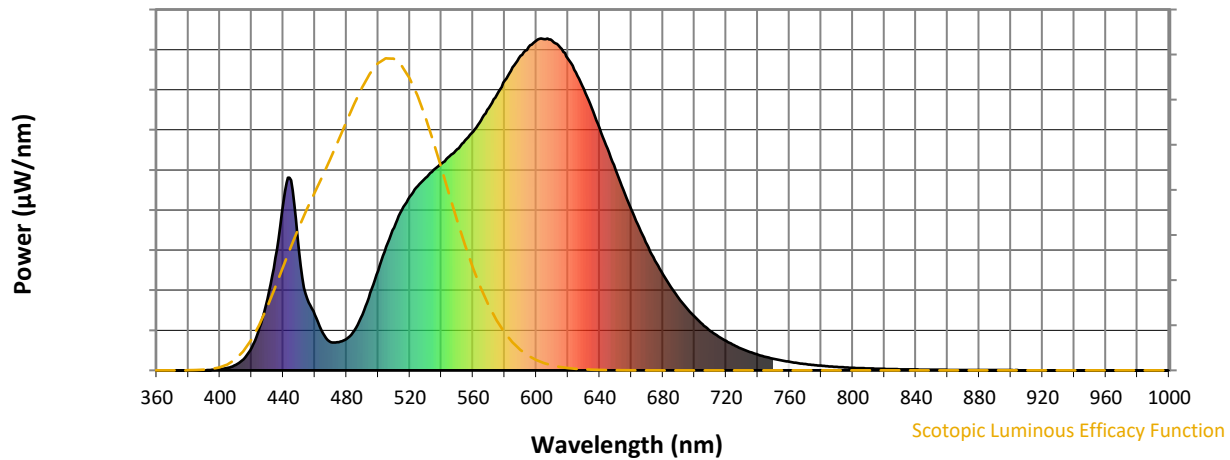


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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



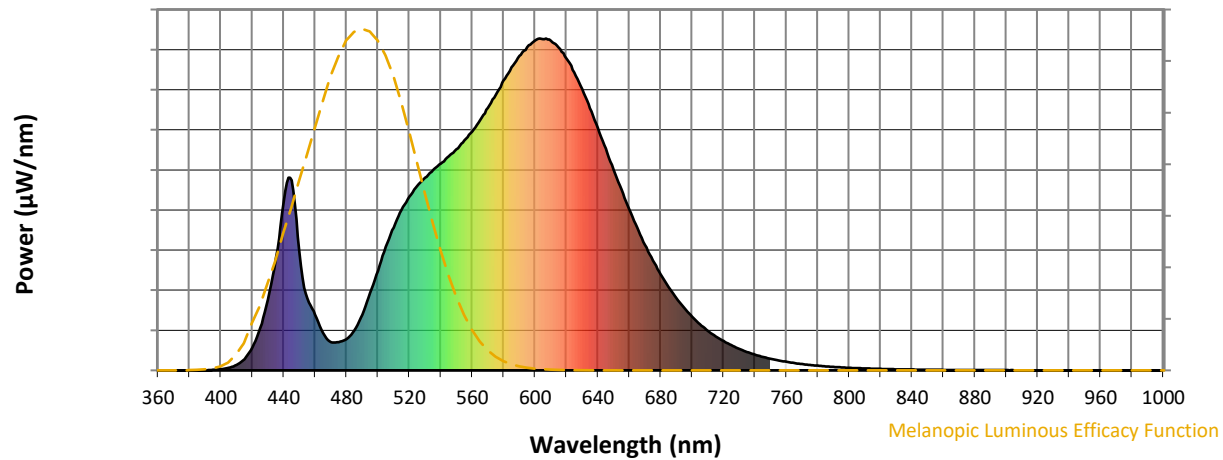
Scotopic Lumens: NR

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

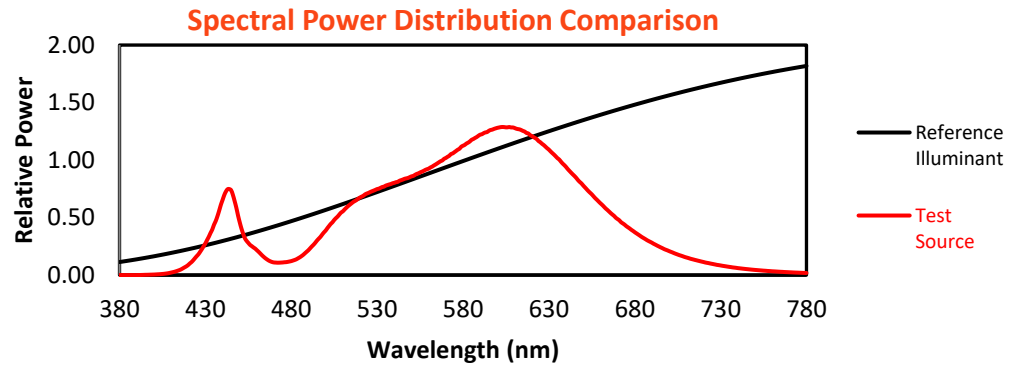
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940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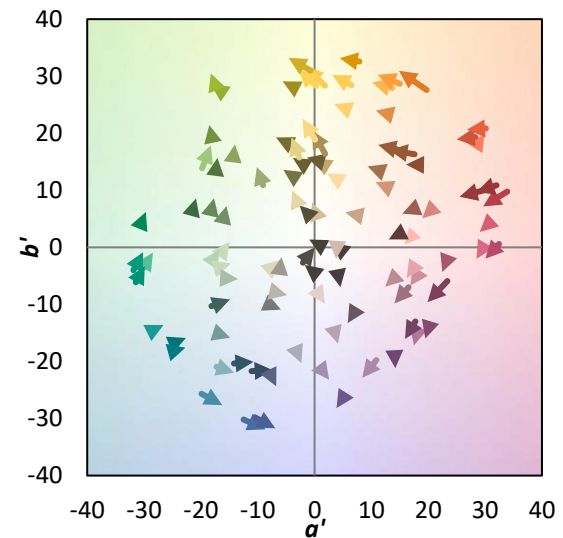
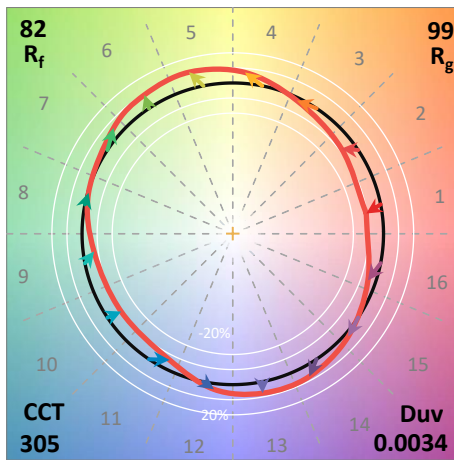
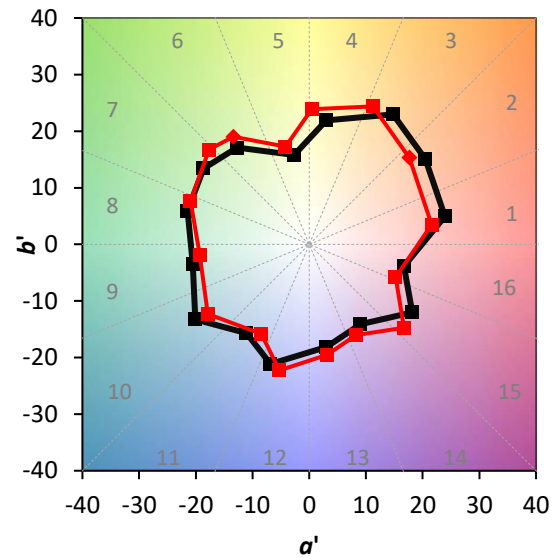
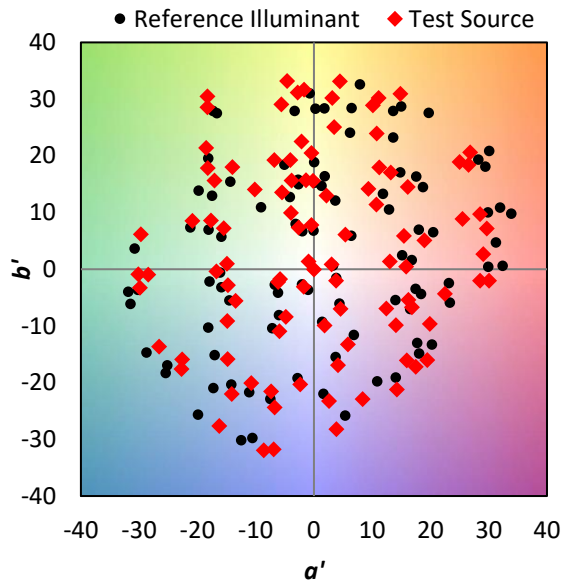
TM-30-18

Summary

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

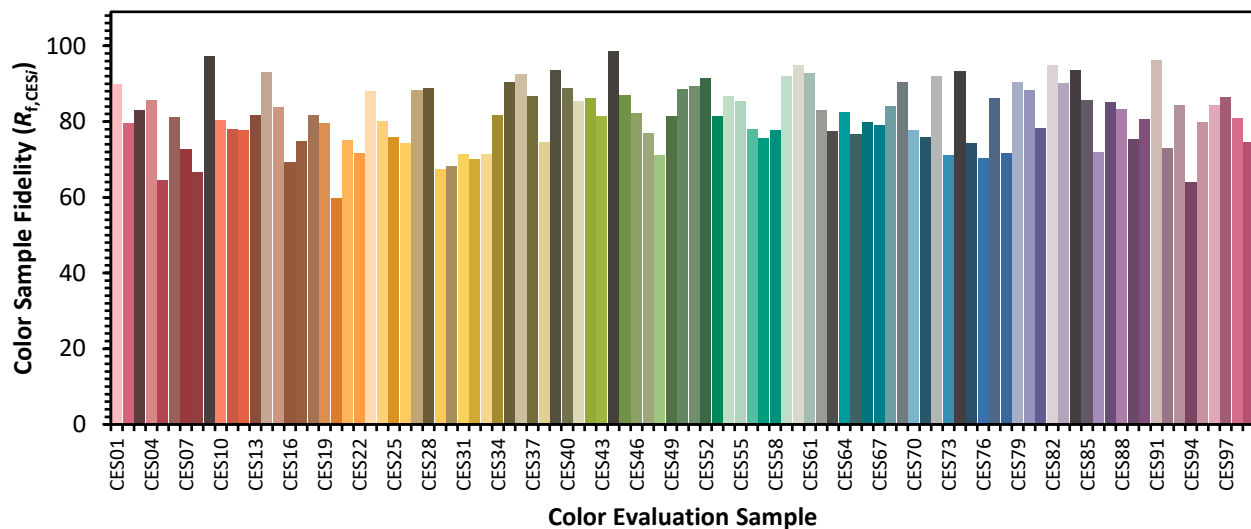


Color Vector Graphics

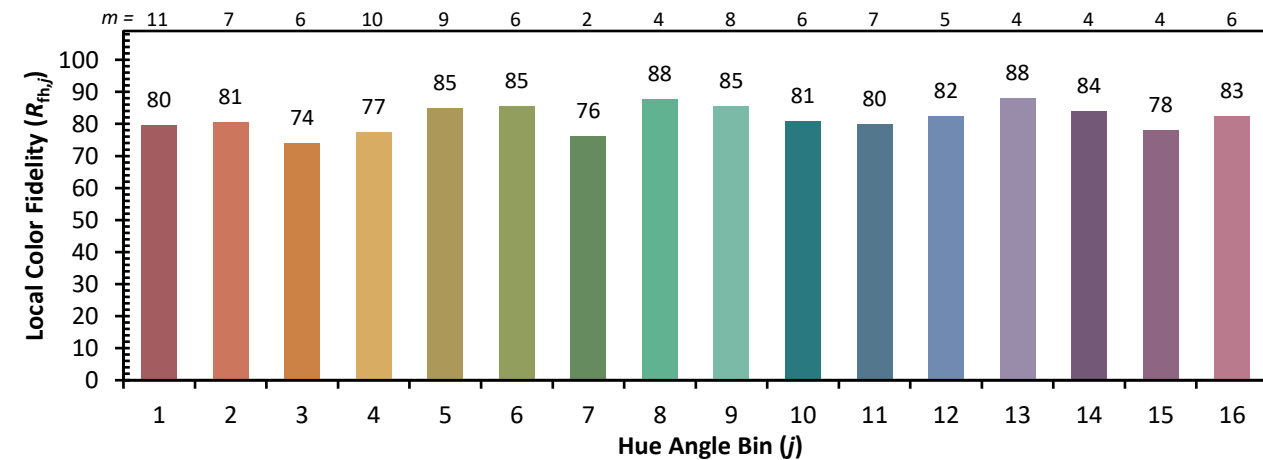
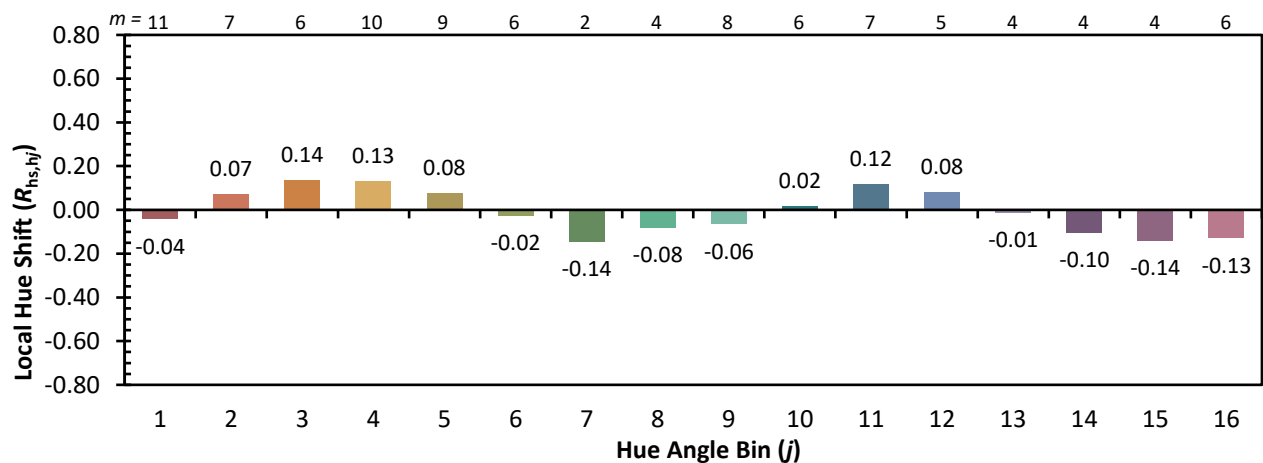
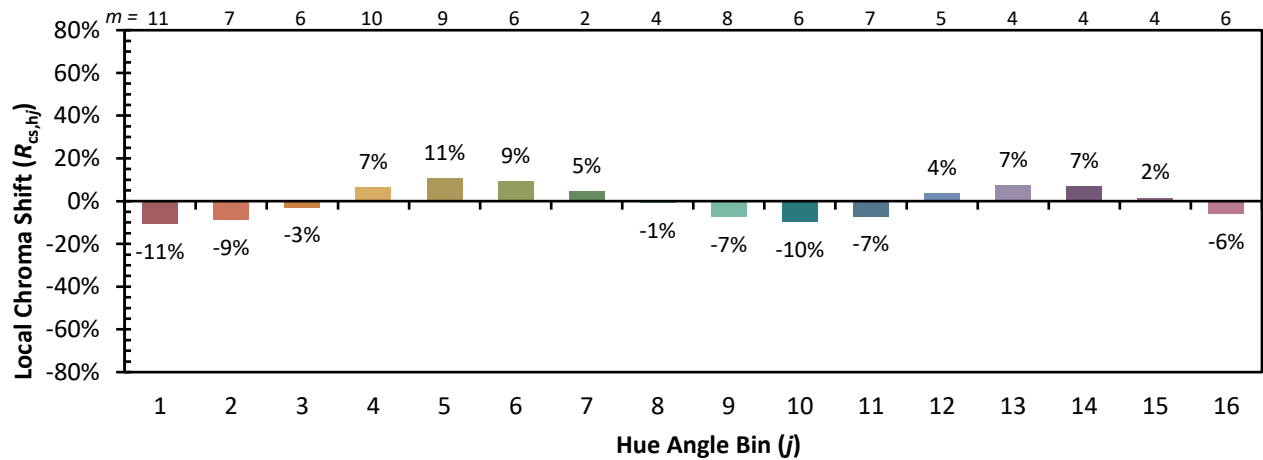


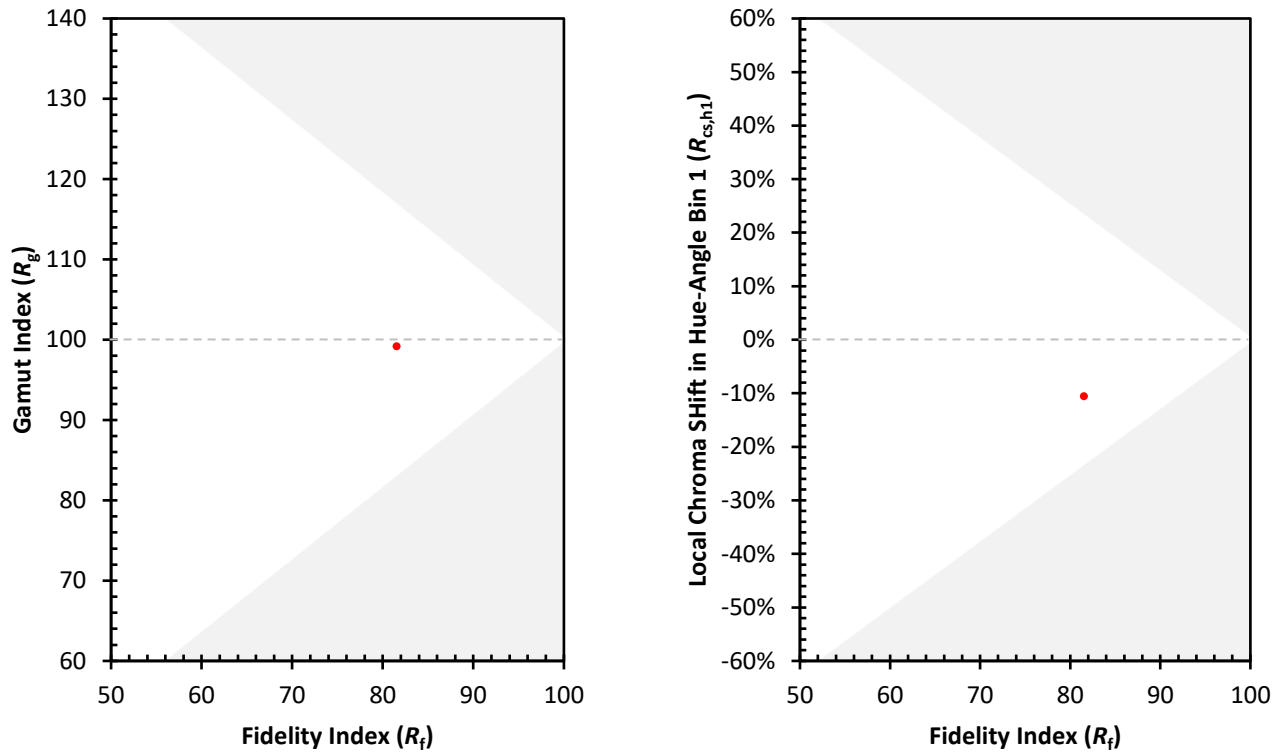
Individual Sample Fidelity Index ($R_{f,i}$)

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)