

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: P320487

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3C-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA 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: 15080 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

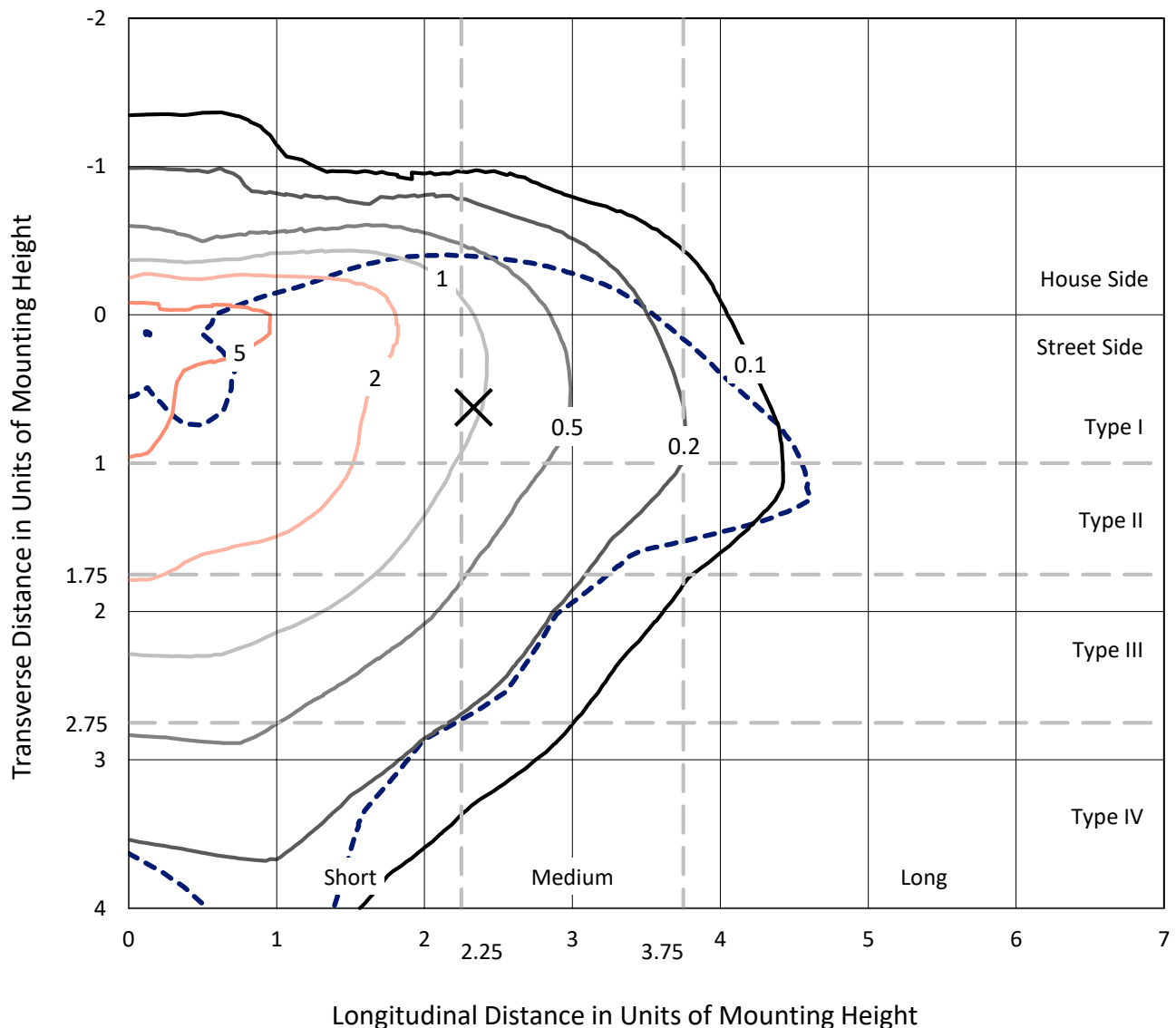
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

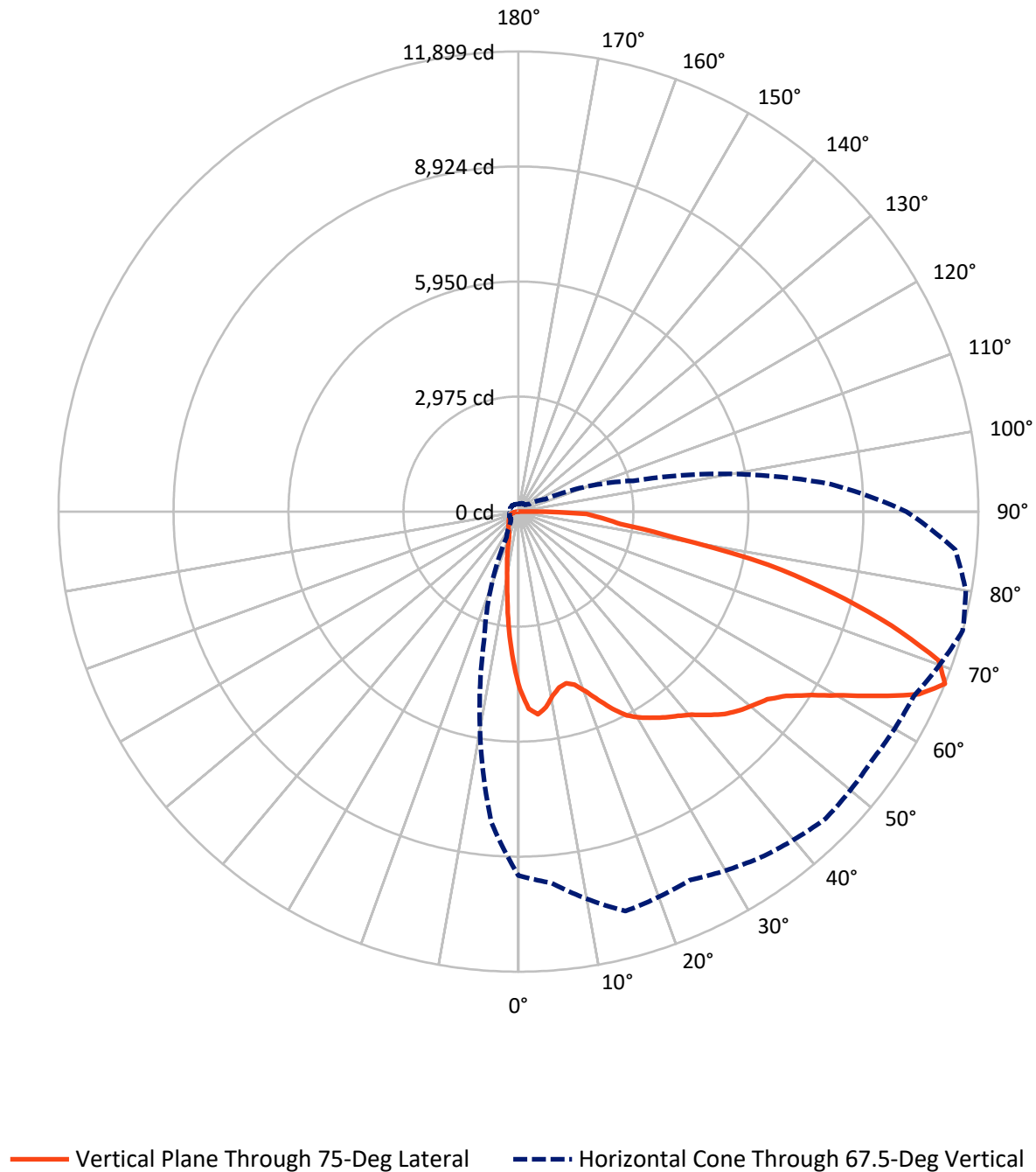
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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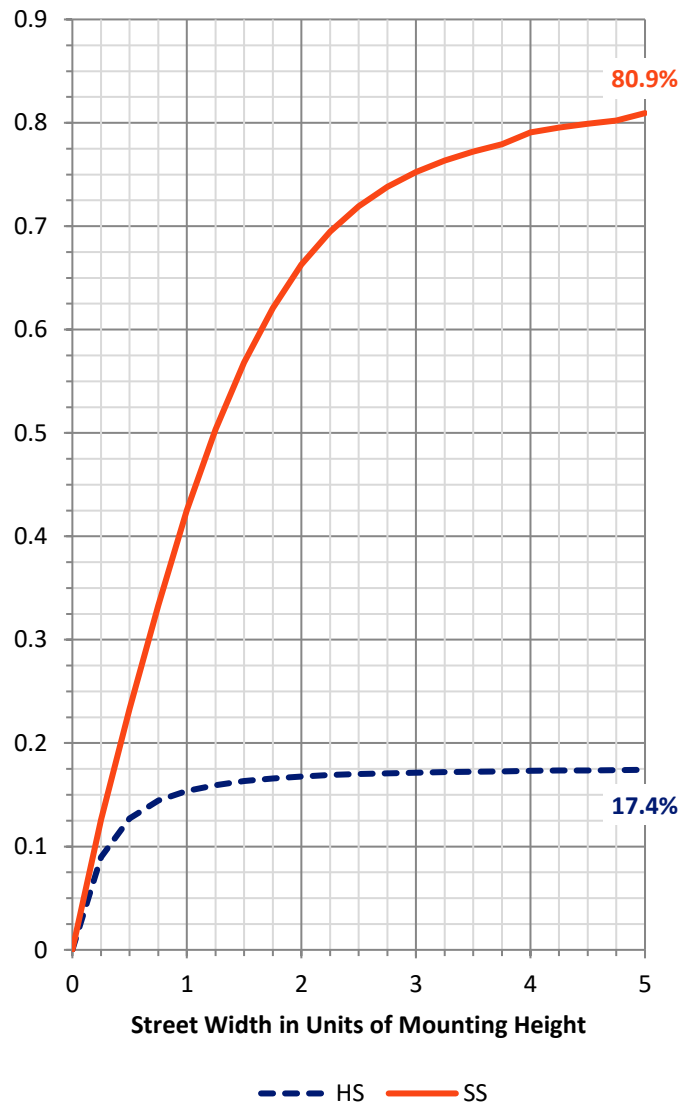
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2656.0	0.0	2656.0
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	12424.0	0.0	12424.0
	% Fixture	82.4	0.0	82.4
Total	Lumens	15080.0	0.0	15080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.6	2.4
10°-20°	736.6	4.9
20°-30°	1047.6	6.9
30°-40°	1509.6	10.0
40°-50°	2127.4	14.1
50°-60°	2957.4	19.6
60°-70°	3576.4	23.7
70°-80°	2198.4	14.6
80°-90°	572.1	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15080.0	100.0
0°-180°	15080.0	100.0

Coefficient of Utilization



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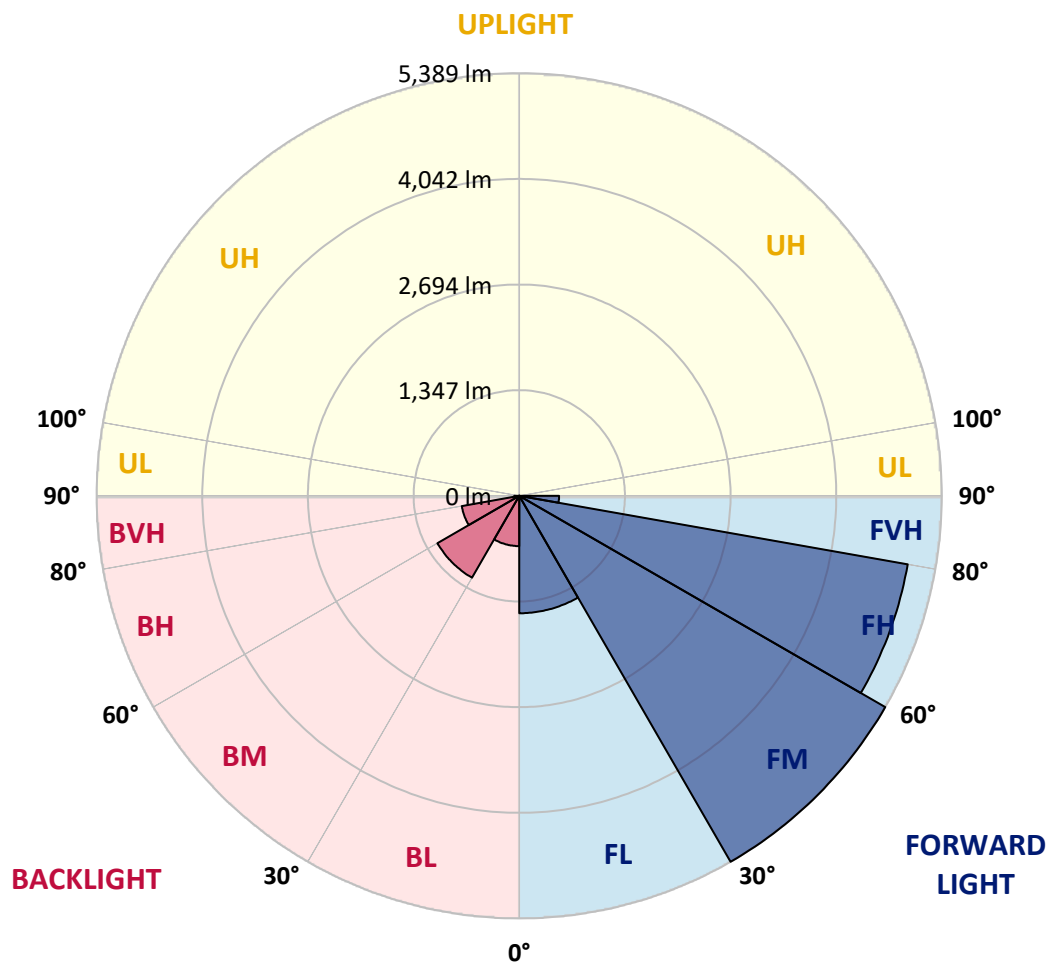
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1497.3	9.9			
FM	(30°-60°)	5388.8	35.7			
FH	(60°-80°)	5030.2	33.4			G3/7500
FVH	(80°-90°)	507.8	3.4			G4/750
BL	(0°-30°)	641.4	4.3	B2/1000		
BM	(30°-60°)	1205.6	8.0	B2/2500		
BH	(60°-80°)	744.6	4.9	B2/1000		G2/1000
BVH	(80°-90°)	64.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4896.9	4961.4	5006.0	5050.0	5084.4	5118.1	5167.6	5217.0	5226.6	5235.7	5216.4
5°	4867.9	5025.3	5159.1	5292.4	5416.0	5539.6	5613.7	5687.9	5702.9	5718.0	5671.6
7.5°	4556.2	4788.3	5020.5	5252.6	5465.4	5678.2	5807.9	5936.9	5966.4	5995.4	5919.4
10°	4201.7	4471.8	4757.0	5042.2	5322.5	5602.9	5790.4	5977.9	6015.3	6052.6	5958.0
12.5°	3932.2	4227.0	4531.5	4836.0	5132.0	5427.4	5621.6	5815.7	5862.1	5908.5	5839.8
15°	3828.5	4151.7	4438.0	4724.4	4982.5	5239.9	5399.1	5557.6	5576.9	5595.6	5584.8
17.5°	3932.2	4288.5	4547.8	4806.4	4946.9	5086.8	5150.7	5214.0	5235.1	5255.6	5283.3
20°	4235.5	4620.1	4802.8	4984.9	4978.9	4972.2	4941.5	4910.1	4904.7	4899.3	4977.6
22.5°	4668.4	5115.1	5188.1	5260.4	5091.0	4921.6	4818.5	4714.8	4694.3	4673.2	4756.4
25°	5176.6	5652.3	5639.0	5625.2	5302.6	4979.5	4782.9	4586.4	4563.4	4540.5	4611.7
27.5°	5729.5	6184.1	6097.3	6010.4	5572.1	5133.8	4848.6	4563.4	4540.5	4517.6	4580.3
30°	6161.8	6574.2	6434.9	6295.6	5799.4	5303.2	4964.4	4625.5	4588.2	4550.2	4627.4
32.5°	6527.7	6878.6	6691.7	6504.8	5983.9	5463.0	5096.4	4729.8	4671.4	4612.9	4716.0
35°	6908.8	7182.5	6919.6	6656.2	6148.5	5640.2	5252.6	4864.3	4792.6	4720.8	4862.5
37.5°	7337.4	7564.7	7187.3	6809.3	6333.6	5857.9	5486.5	5114.5	5041.0	4967.4	5148.3
40°	7790.2	7979.5	7476.1	6972.7	6536.2	6099.7	5810.3	5520.3	5450.3	5379.8	5599.2
42.5°	8186.3	8324.4	7745.0	7165.6	6780.4	6394.5	6190.7	5986.3	5985.7	5984.5	6207.0
45°	8484.8	8604.8	7969.3	7333.2	7018.5	6703.2	6597.1	6491.0	6576.0	6661.0	6862.3
47.5°	8732.6	8814.0	8157.4	7500.2	7291.0	7081.8	7097.5	7113.2	7286.2	7459.2	7588.9
50°	9016.0	8950.2	8328.0	7705.2	7640.7	7576.2	7717.3	7857.8	8056.7	8255.1	8343.1
52.5°	9322.8	9148.6	8559.5	7969.9	8042.2	8114.6	8401.6	8688.6	8889.3	9090.1	9123.3
55°	9874.5	9607.4	8985.2	8362.4	8501.7	8640.3	9061.8	9482.6	9639.4	9796.1	9808.2
57.5°	10496.1	10259.2	9581.5	8903.8	9053.3	9202.9	9689.4	10175.4	10344.8	10513.6	10490.1
60°	10735.5	10746.9	10147.6	9547.7	9698.4	9849.2	10323.1	10797.0	10991.7	11185.8	11134.0
62.5°	10494.3	10777.1	10456.9	10136.2	10273.0	10409.3	10873.5	11337.8	11537.3	11736.9	11646.5
65°	10017.4	10297.7	10441.2	10584.7	10629.9	10675.2	11108.7	11541.6	11694.7	11847.2	11801.4
67.5°	9410.9	9637.6	10166.9	10695.7	10604.6	10513.6	10716.8	10919.9	11077.3	11234.7	11208.7
70°	8708.5	8978.6	9684.6	10390.6	9943.2	9495.3	9411.5	9327.7	9497.7	9667.1	9562.2
72.5°	7449.0	7856.6	8609.6	9362.0	8537.8	7713.7	7427.3	7140.9	7356.1	7571.4	7404.4
75°	5626.4	6167.2	6999.2	7830.6	6847.3	5863.9	5481.7	5099.4	5284.5	5469.6	5355.1
77.5°	3912.9	4591.2	5410.5	6229.9	5230.3	4230.0	3946.1	3661.5	3717.0	3771.8	3752.5
80°	2667.9	3114.0	3685.6	4256.6	3590.9	2925.3	2947.6	2969.3	2943.4	2916.9	2955.5
82.5°	1673.1	1987.2	2428.5	2869.3	2516.0	2162.6	2365.2	2567.8	2468.3	2368.2	2405.6
85°	942.4	1134.1	1565.8	1996.8	1861.2	1724.9	1843.7	1961.9	1807.5	1653.2	1721.3
87.5°	179.7	299.0	866.4	1433.1	1301.1	1169.0	1015.9	862.8	658.4	454.0	663.2
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



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	5197.1	5186.9	5176.6	5139.8	5102.4	5047.0	5001.2	4921.6	4878.2	4812.4	4746.7
5°	5624.6	5559.5	5494.3	5382.2	5269.5	5144.0	5000.0	4840.2	4719.6	4562.8	4406.1
7.5°	5843.4	5691.5	5539.0	5323.7	5107.9	4913.7	4685.8	4473.6	4292.7	4089.0	3885.2
10°	5863.3	5635.4	5406.9	5127.2	4846.8	4611.1	4348.8	4113.1	3896.0	3662.1	3427.6
12.5°	5770.5	5528.1	5285.1	4977.0	4668.4	4400.7	4118.5	3854.4	3613.9	3356.4	3098.4
15°	5573.9	5380.4	5186.3	4897.5	4608.7	4338.6	4064.8	3751.9	3480.0	3216.5	2952.5
17.5°	5310.5	5218.8	5126.6	4918.0	4708.7	4474.8	4209.5	3842.4	3524.0	3237.6	2951.3
20°	5055.4	5089.2	5122.3	5039.1	4955.9	4768.4	4536.9	4124.5	3718.2	3343.8	2968.7
22.5°	4839.0	5001.2	5162.7	5227.3	5291.2	5178.4	4997.5	4520.6	3982.8	3493.9	3004.9
25°	4682.2	4951.1	5220.0	5434.7	5648.7	5598.6	5459.4	5001.8	4333.7	3710.3	3086.3
27.5°	4643.0	4972.8	5302.6	5635.4	5967.6	6014.1	5975.5	5508.8	4752.2	3979.2	3205.7
30°	4704.5	5038.5	5371.9	5777.1	6181.7	6366.8	6418.6	5931.5	5230.3	4292.7	3354.6
32.5°	4819.1	5146.5	5473.8	5915.2	6355.9	6635.7	6800.9	6317.9	5563.7	4529.1	3493.9
35°	5004.2	5310.5	5616.7	6076.2	6535.6	6897.3	7198.8	6717.0	5859.7	4694.3	3528.2
37.5°	5328.5	5592.0	5855.5	6279.9	6703.8	7172.8	7625.6	7156.6	6179.9	4853.4	3526.4
40°	5818.7	6005.0	6190.7	6549.4	6907.6	7497.8	8109.2	7646.7	6533.8	5025.9	3518.0
42.5°	6429.5	6525.3	6620.6	6904.6	7188.5	7837.3	8548.1	8126.1	6871.4	5186.3	3501.1
45°	7063.1	7088.4	7113.8	7292.8	7471.3	8106.2	8847.1	8486.0	7166.2	5325.5	3484.2
47.5°	7717.9	7631.1	7544.2	7615.4	7686.5	8312.4	9060.6	8759.1	7462.2	5479.9	3496.9
50°	8431.1	8189.4	7947.6	7910.2	7872.8	8518.5	9312.0	9106.4	7818.0	5704.8	3591.5
52.5°	9155.8	8757.3	8358.8	8211.1	8062.7	8764.5	9645.4	9538.7	8325.6	6053.2	3780.3
55°	9820.2	9313.2	8806.1	8607.2	8408.2	9140.8	10052.4	10173.5	8976.2	6498.8	4020.8
57.5°	10466.0	9891.4	9316.8	9132.3	8947.8	9693.6	10567.8	10743.3	9633.3	6926.3	4218.6
60°	11082.1	10513.6	9944.4	9796.7	9648.4	10380.9	11124.9	10997.1	9972.2	7126.4	4280.1
62.5°	11556.0	11103.8	10651.7	10573.9	10495.5	11076.1	11553.0	10898.2	9756.9	6929.3	4101.6
65°	11755.6	11498.1	11240.1	11313.0	11385.4	11601.8	11659.7	10608.8	9080.5	6377.0	3673.5
67.5°	11182.2	11234.7	11287.1	11593.4	11899.1	11750.2	11342.6	10038.5	8117.6	5594.4	3071.2
70°	9456.7	9771.4	10085.5	10810.2	11534.3	11203.9	10493.1	9014.7	6958.8	4693.1	2426.7
72.5°	7236.8	7590.7	7944.0	9019.6	10094.6	9790.1	8919.5	7404.4	5579.4	3747.7	1915.5
75°	5239.9	5639.6	6038.8	7225.3	8411.8	7989.2	6671.8	5301.4	4237.9	2860.8	1483.2
77.5°	3732.6	4000.3	4268.0	5440.1	6611.5	5923.0	4441.1	3567.4	2933.2	1988.4	1043.0
80°	2994.1	2912.1	2830.1	3483.0	4136.0	4021.4	2937.4	2291.1	2030.0	1332.4	634.9
82.5°	2442.4	2242.2	2042.1	2349.5	2657.0	2640.2	2038.4	1680.9	1510.9	926.1	341.2
85°	1788.8	1708.7	1628.5	1900.4	2172.3	1940.2	1380.7	1068.4	1178.1	681.9	185.7
87.5°	872.4	996.6	1120.2	1441.0	1761.1	1322.2	419.0	207.4	287.0	188.7	89.8
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: P320487
 CATALOG NUMBER: GLEON-SA3C-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: P320487

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4697.9	4648.5	4592.4	4536.3	4472.4	4407.9	4369.9	4331.3	4289.7	4248.1	4201.1
5°	4302.4	4198.7	4081.1	3963.5	3847.2	3730.8	3668.1	3605.4	3539.1	3472.2	3414.3
7.5°	3734.4	3583.1	3420.3	3256.9	3112.2	2966.9	2877.1	2786.7	2704.7	2622.1	2552.7
10°	3234.6	3041.7	2878.3	2714.3	2605.2	2496.1	2413.5	2330.9	2251.3	2171.1	2094.5
12.5°	2905.4	2712.5	2608.8	2505.1	2414.7	2324.2	2229.0	2133.1	2024.0	1914.2	1834.1
15°	2777.0	2601.6	2486.4	2370.7	2249.5	2127.7	2010.7	1893.7	1764.7	1635.7	1544.7
17.5°	2721.5	2491.8	2330.9	2169.3	2009.5	1849.7	1714.1	1578.4	1437.3	1296.3	1204.0
20°	2663.1	2357.4	2141.5	1925.1	1720.1	1515.1	1361.4	1207.6	1081.6	955.6	885.1
22.5°	2610.0	2214.5	1943.8	1672.5	1430.1	1187.7	1037.0	885.7	808.5	731.3	703.0
25°	2588.3	2089.7	1756.9	1424.1	1168.4	912.2	804.9	697.6	668.0	637.9	623.4
27.5°	2591.9	1978.2	1599.5	1220.3	990.0	759.7	686.1	612.6	594.5	575.8	566.7
30°	2605.8	1857.0	1451.2	1045.5	855.5	665.6	618.0	569.8	550.5	531.2	519.7
32.5°	2621.5	1748.4	1336.7	924.3	769.3	613.8	574.6	534.8	516.1	497.4	485.9
35°	2594.3	1659.8	1258.3	856.7	713.8	570.4	537.2	503.4	482.9	462.4	451.6
37.5°	2548.5	1570.6	1197.4	823.6	677.7	531.2	507.0	482.3	461.2	439.5	429.3
40°	2506.9	1495.2	1152.2	808.5	657.8	506.4	485.9	465.4	443.7	421.4	409.4
42.5°	2473.1	1444.6	1107.6	770.5	639.7	508.3	479.3	449.8	428.7	407.6	394.3
45°	2447.8	1411.4	1072.6	733.7	622.8	511.9	475.1	438.3	417.2	395.5	379.8
47.5°	2445.4	1393.9	1047.9	701.8	590.9	479.3	464.2	449.2	418.4	387.1	369.0
50°	2478.6	1365.6	1018.9	671.6	560.1	448.6	469.1	489.0	436.5	383.5	360.5
52.5°	2547.9	1315.6	973.1	630.6	522.7	414.2	446.2	477.5	432.3	386.5	356.9
55°	2631.7	1242.0	903.8	564.9	473.3	381.0	409.4	437.1	408.8	379.8	344.3
57.5°	2684.2	1149.2	816.3	483.5	417.8	352.1	368.4	384.1	372.6	361.1	325.0
60°	2652.8	1025.6	718.1	410.0	369.0	328.0	325.0	321.4	338.2	355.1	313.5
62.5°	2499.7	897.7	631.2	364.8	334.0	302.7	296.0	288.8	316.5	343.7	299.6
65°	2241.0	808.5	576.4	344.3	309.9	275.5	268.3	261.1	269.5	277.9	257.4
67.5°	1912.4	753.6	545.0	336.4	294.8	252.6	244.2	235.7	233.9	232.1	224.9
70°	1573.6	719.9	524.5	329.2	278.5	227.3	219.5	211.6	209.2	206.2	200.8
72.5°	1315.6	715.7	522.1	328.6	265.3	202.0	194.7	187.5	184.5	180.9	176.7
75°	1077.4	671.6	495.6	319.5	247.2	174.2	167.6	161.0	158.6	155.6	151.9
77.5°	799.5	555.9	416.6	277.3	211.6	145.9	139.3	132.0	131.4	130.2	127.2
80°	518.5	402.1	297.8	193.5	154.3	114.6	109.1	103.1	103.7	104.3	101.9
82.5°	288.2	234.5	182.1	129.6	105.5	81.4	79.0	76.0	77.8	79.0	76.0
85°	151.9	118.2	97.7	77.2	60.9	44.6	44.6	44.0	46.4	48.8	46.4
87.5°	65.7	41.6	35.6	28.9	16.3	3.0	3.6	3.6	4.8	6.0	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320487
 CATALOG NUMBER: GLEON-SA3C-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: P320487

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4153.5	4109.5	4064.8	4016.0	4025.0	3987.7	3950.3	3926.8	3903.3	3896.0	3888.8
5°	3356.4	3306.4	3255.7	3210.5	3249.7	3223.2	3196.6	3193.0	3188.8	3188.8	3188.2
7.5°	2483.4	2429.7	2375.5	2338.1	2376.7	2371.9	2367.0	2393.0	2418.9	2440.0	2460.5
10°	2017.9	1952.8	1887.1	1831.6	1822.0	1794.3	1765.9	1772.0	1777.4	1800.3	1823.2
12.5°	1753.9	1676.1	1598.3	1533.2	1503.7	1457.8	1411.4	1382.5	1353.5	1356.6	1359.0
15°	1453.0	1377.7	1301.7	1245.6	1226.9	1191.4	1155.8	1119.6	1082.8	1067.8	1052.1
17.5°	1111.2	1050.9	990.0	952.6	952.6	942.4	932.1	914.0	895.3	880.3	864.6
20°	814.5	782.6	750.0	734.3	739.2	739.8	739.8	748.8	757.9	753.0	748.2
22.5°	674.1	662.6	651.1	644.5	646.9	647.5	648.1	656.6	664.4	670.4	675.9
25°	608.3	601.1	593.9	591.5	596.9	597.5	597.5	602.9	608.3	614.4	620.4
27.5°	557.1	554.1	551.1	546.8	552.3	552.3	551.7	557.7	563.1	568.5	573.4
30°	508.3	509.5	510.1	508.9	512.5	514.9	516.7	520.9	524.5	528.8	533.0
32.5°	473.9	472.1	470.3	469.1	476.9	481.1	485.3	489.6	493.2	495.0	496.8
35°	440.7	436.5	432.3	429.3	436.5	441.9	447.4	455.2	462.4	463.6	464.8
37.5°	418.4	413.0	407.6	404.0	407.0	409.4	411.8	420.2	428.7	433.5	437.7
40°	397.3	391.9	386.5	383.5	385.3	385.9	386.5	390.7	394.3	403.3	411.8
42.5°	380.4	373.8	367.2	363.6	364.8	366.0	366.6	366.0	365.4	373.8	382.2
45°	363.6	356.3	349.1	344.9	345.5	345.5	345.5	344.3	342.5	346.7	350.9
47.5°	350.3	341.9	333.4	329.2	328.0	326.8	325.6	325.0	323.8	326.8	329.2
50°	337.0	328.0	318.3	313.5	310.5	309.3	308.1	307.5	306.3	309.3	311.7
52.5°	326.8	315.9	305.1	297.2	294.2	292.4	290.6	291.2	291.2	292.4	293.0
55°	308.7	299.0	288.8	283.4	277.9	276.7	275.5	277.3	278.5	278.5	278.5
57.5°	288.8	279.8	270.1	266.5	261.7	261.7	261.1	263.5	265.3	266.5	267.7
60°	271.3	261.1	250.8	247.8	246.0	245.4	244.8	247.8	250.2	252.6	255.0
62.5°	255.0	244.2	233.3	229.7	229.1	229.7	229.7	232.7	235.1	237.5	240.0
65°	236.9	226.1	214.6	211.0	212.2	214.0	215.8	218.3	220.1	222.5	224.9
67.5°	217.0	208.0	198.4	194.7	195.3	197.8	200.2	202.0	203.2	205.6	208.0
70°	195.3	187.5	179.7	177.3	176.7	179.7	182.1	183.3	184.5	187.5	189.9
72.5°	171.8	165.2	158.6	156.8	157.4	159.2	161.0	162.8	164.0	167.0	169.4
75°	147.7	141.7	135.7	134.4	135.7	137.5	139.3	140.5	141.7	145.3	148.3
77.5°	124.2	117.6	110.3	109.7	111.5	113.3	114.6	116.4	118.2	123.0	127.8
80°	99.5	92.2	84.4	83.8	85.6	87.4	89.2	91.0	92.8	98.9	104.3
82.5°	73.0	64.5	56.1	54.9	60.9	62.7	64.5	67.5	69.9	75.4	80.8
85°	44.0	35.6	27.1	26.5	32.0	35.0	38.0	41.6	44.6	49.4	54.3
87.5°	4.8	2.4	0.0	0.0	0.6	3.0	5.4	8.4	11.5	16.3	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320487

CATALOG NUMBER: GLEON-SA3C-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: P320487

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	3862.3	3835.1	3862.9	3890.0	3901.4	3912.9	3883.4	3853.2	3900.2	3946.7	3958.7
5°	3164.1	3139.4	3158.1	3176.1	3135.7	3095.4	3091.1	3086.3	3121.3	3156.2	3161.7
7.5°	2452.6	2444.8	2462.3	2479.8	2428.5	2376.7	2351.4	2326.0	2334.5	2342.9	2341.7
10°	1828.6	1833.5	1855.2	1876.3	1836.5	1796.7	1779.2	1761.7	1781.0	1799.7	1817.2
12.5°	1369.8	1380.1	1403.0	1425.3	1409.0	1392.1	1393.9	1395.7	1418.1	1439.8	1459.0
15°	1064.1	1076.2	1092.5	1108.2	1108.8	1108.8	1124.4	1139.5	1137.7	1135.9	1149.2
17.5°	880.9	896.5	898.3	900.1	900.8	901.4	900.1	898.9	889.9	880.9	891.1
20°	754.2	759.7	764.5	768.7	763.3	757.3	742.2	727.1	721.1	715.1	724.7
22.5°	686.1	695.8	690.9	685.5	674.7	663.2	651.7	639.7	639.1	637.9	643.3
25°	628.8	636.7	628.2	619.8	612.0	604.1	596.3	588.4	587.8	587.2	589.6
27.5°	581.2	588.4	580.6	572.8	566.1	559.5	553.5	547.4	546.2	545.0	545.6
30°	540.2	546.8	540.2	533.0	528.2	522.7	518.5	514.3	513.7	513.1	513.1
32.5°	503.4	510.1	505.2	500.4	496.2	492.0	489.0	485.9	482.9	479.9	473.3
35°	471.5	478.1	475.1	471.5	466.7	461.8	456.4	450.4	442.5	434.1	430.5
37.5°	444.3	451.0	448.0	444.9	438.3	431.7	422.0	411.8	409.4	406.4	405.8
40°	422.6	432.9	426.9	420.2	410.0	399.7	394.9	390.1	388.9	387.7	386.5
42.5°	398.5	414.2	403.3	392.5	382.8	373.2	372.0	370.8	370.2	369.6	369.6
45°	368.4	385.3	374.4	363.0	357.5	352.1	352.1	352.1	352.7	352.7	353.9
47.5°	340.0	350.3	344.9	339.4	336.4	333.4	334.0	334.6	336.4	337.6	340.6
50°	315.9	319.5	320.7	321.4	319.5	317.7	318.9	319.5	321.4	322.6	325.0
52.5°	298.4	303.9	303.9	303.3	303.3	303.3	304.5	305.7	307.5	309.3	311.7
55°	287.0	294.8	292.4	290.0	290.6	290.6	291.8	293.0	294.8	296.0	299.6
57.5°	276.1	284.6	282.2	279.8	279.8	279.8	280.4	281.0	282.8	284.0	286.4
60°	263.5	271.9	269.5	266.5	267.1	267.7	268.3	268.3	269.5	270.1	270.1
62.5°	248.4	256.8	254.4	251.4	253.2	254.4	254.4	254.4	255.6	256.2	254.4
65°	232.7	240.6	238.2	235.7	238.2	240.0	241.2	241.8	241.2	240.6	238.8
67.5°	215.8	223.7	221.3	218.3	221.3	223.7	226.1	227.9	226.1	224.3	221.9
70°	197.8	205.6	202.6	199.6	202.6	205.6	208.0	210.4	208.0	205.6	205.0
72.5°	178.5	187.5	183.9	180.3	183.9	187.5	188.7	189.9	188.1	186.3	185.1
75°	157.4	166.4	163.4	159.8	162.8	165.8	166.4	167.0	167.0	166.4	162.8
77.5°	135.1	142.3	140.5	138.7	140.5	142.3	142.3	142.3	142.9	142.9	138.1
80°	108.5	112.7	113.3	114.0	114.6	115.2	114.6	114.0	112.7	111.5	108.5
82.5°	80.8	80.8	85.6	89.8	89.8	89.2	88.6	87.4	85.0	82.0	75.4
85°	51.2	48.2	56.1	63.3	63.3	62.7	61.5	59.7	54.9	49.4	44.0
87.5°	17.5	14.5	22.3	30.1	30.7	30.7	29.5	28.3	23.5	18.1	13.9
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: P320487

CATALOG NUMBER: GLEON-SA3C-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: P320487

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	3976.8	3984.6	3991.9	4051.0	4109.5	4178.2	4246.9	4299.4	4351.2	4404.9	4458.5
5°	3180.4	3190.0	3199.7	3271.4	3342.5	3438.4	3534.3	3616.9	3699.5	3796.5	3893.6
7.5°	2357.4	2378.5	2399.0	2475.6	2551.5	2654.6	2757.1	2865.0	2972.4	3099.0	3225.6
10°	1851.5	1891.3	1930.5	2008.9	2087.3	2189.2	2290.5	2403.2	2516.0	2640.8	2765.0
12.5°	1498.8	1551.9	1604.3	1698.4	1792.5	1914.2	2035.4	2160.8	2285.6	2395.4	2505.1
15°	1184.1	1242.0	1299.3	1398.8	1498.2	1632.1	1765.3	1902.2	2038.4	2169.9	2301.3
17.5°	923.7	971.3	1018.3	1102.7	1186.5	1316.2	1445.8	1589.3	1732.8	1893.1	2052.9
20°	745.2	765.1	785.0	845.9	906.2	1011.7	1116.6	1263.1	1409.6	1601.3	1793.1
22.5°	653.0	663.2	672.9	702.4	731.3	799.5	867.0	996.6	1125.6	1334.8	1543.5
25°	597.5	605.3	613.2	632.5	651.7	684.3	716.9	807.9	898.9	1104.5	1309.5
27.5°	547.4	559.5	571.0	580.0	588.4	610.8	632.5	692.1	751.8	943.6	1134.7
30°	511.3	515.5	519.7	533.6	546.8	569.8	592.7	634.3	675.9	838.0	999.6
32.5°	469.1	475.1	481.1	495.6	510.1	531.2	552.3	586.0	619.2	757.9	895.9
35°	431.1	437.1	443.1	457.6	471.5	494.4	516.7	545.0	572.8	693.3	813.9
37.5°	407.6	413.6	419.6	432.3	444.3	467.3	489.6	511.9	533.6	645.1	756.7
40°	387.7	393.7	399.7	411.8	423.2	445.6	467.3	485.9	504.6	608.9	713.2
42.5°	370.2	376.8	383.5	395.5	407.0	426.9	446.8	471.5	495.6	577.6	659.0
45°	355.7	362.4	368.4	381.6	394.9	414.2	433.5	467.9	502.2	561.3	620.4
47.5°	342.5	349.7	356.3	370.8	385.3	409.4	432.9	461.8	490.2	548.7	607.1
50°	329.8	338.2	346.7	364.2	381.0	421.4	461.2	465.4	469.1	538.4	607.1
52.5°	317.7	327.4	337.0	358.7	379.8	426.9	473.9	458.8	443.1	519.1	595.1
55°	305.7	314.1	322.0	348.5	375.0	409.4	443.7	423.8	403.3	482.9	562.5
57.5°	289.4	298.4	306.9	335.2	363.6	387.7	411.2	393.1	374.4	441.9	508.9
60°	272.5	282.8	293.0	329.2	364.8	360.5	355.7	352.1	347.9	396.1	444.3
62.5°	257.4	268.3	279.1	326.2	373.2	344.3	315.3	318.3	320.7	356.3	391.9
65°	242.4	253.2	263.5	287.0	310.5	299.0	287.6	292.4	296.6	331.6	366.6
67.5°	225.5	235.1	244.2	252.0	259.9	261.1	262.3	267.1	271.9	313.5	354.5
70°	206.8	214.6	222.5	227.9	232.7	235.1	236.9	243.0	249.0	294.2	339.4
72.5°	185.7	192.3	198.4	203.2	208.0	209.8	211.0	217.0	223.1	271.3	319.5
75°	162.8	168.2	173.0	177.3	181.5	183.9	186.3	190.5	194.7	247.2	299.0
77.5°	137.5	142.9	147.7	151.3	154.3	156.8	158.6	164.0	169.4	213.4	256.8
80°	107.3	114.0	120.0	123.0	125.4	126.0	126.0	130.8	135.7	167.0	197.8
82.5°	76.0	83.2	89.8	92.2	94.7	94.7	94.7	100.1	105.5	126.6	147.1
85°	44.6	52.5	59.7	62.1	64.5	65.7	66.3	68.7	70.5	85.6	100.1
87.5°	13.9	20.5	26.5	27.7	28.9	31.4	33.8	34.4	34.4	44.6	54.9
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: P320487
 CATALOG NUMBER: GLEON-SA3C-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: P320487

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2	4594.2
2.5°	4520.0	4581.5	4653.3	4724.4	4785.3	4846.2	4896.9
5°	4017.2	4140.8	4292.1	4442.9	4577.3	4711.8	4867.9
7.5°	3385.4	3545.1	3741.1	3937.0	4126.9	4316.3	4556.2
10°	2927.7	3089.9	3297.3	3504.1	3717.6	3930.4	4201.7
12.5°	2637.1	2768.6	2969.3	3170.1	3420.9	3671.1	3932.2
15°	2445.4	2588.9	2784.2	2979.6	3253.9	3528.2	3828.5
17.5°	2241.0	2428.5	2678.7	2928.9	3253.9	3578.3	3932.2
20°	2027.0	2260.3	2584.7	2909.1	3346.8	3783.9	4235.5
22.5°	1813.6	2083.7	2499.7	2915.1	3487.2	4058.8	4668.4
25°	1621.2	1932.9	2447.8	2962.1	3691.6	4420.6	5176.6
27.5°	1475.3	1815.4	2426.7	3037.5	3950.9	4864.3	5729.5
30°	1345.7	1691.8	2401.4	3111.0	4200.5	5289.4	6161.8
32.5°	1233.6	1571.2	2352.6	3133.3	4374.7	5616.1	6527.7
35°	1145.5	1477.1	2270.6	3064.0	4483.9	5903.7	6908.8
37.5°	1069.6	1382.5	2177.1	2971.8	4580.9	6190.1	7337.4
40°	997.2	1281.2	2096.9	2912.1	4714.8	6517.5	7790.2
42.5°	928.5	1198.0	2032.4	2866.8	4839.0	6810.5	8186.3
45°	877.2	1134.1	1975.1	2815.6	4919.2	7022.7	8484.8
47.5°	851.9	1096.1	1944.4	2792.1	4999.3	7206.0	8732.6
50°	848.3	1089.5	1979.4	2869.3	5173.0	7476.1	9016.0
52.5°	847.7	1100.3	2080.0	3059.8	5495.5	7930.7	9322.8
55°	835.0	1106.9	2200.0	3292.5	5928.4	8563.8	9874.5
57.5°	796.4	1084.0	2323.6	3562.6	6386.0	9208.9	10496.1
60°	736.8	1028.6	2425.5	3821.9	6693.5	9564.6	10735.5
62.5°	662.0	931.5	2459.3	3986.5	6685.1	9383.7	10494.3
65°	598.1	829.6	2348.3	3866.5	6346.9	8826.6	10017.4
67.5°	541.4	727.7	2071.0	3413.7	5738.5	8062.7	9410.9
70°	500.4	660.8	1713.5	2766.2	4977.0	7187.3	8708.5
72.5°	474.5	628.8	1396.9	2164.5	4038.9	5912.8	7449.0
75°	438.9	578.8	1096.1	1612.8	3091.1	4569.5	5626.4
77.5°	372.6	487.8	826.0	1164.2	2268.2	3371.5	3912.9
80°	287.6	376.8	567.9	759.1	1560.9	2362.8	2667.9
82.5°	205.0	262.9	344.3	425.7	1037.0	1647.8	1673.1
85°	126.6	153.1	197.2	241.2	686.1	1131.1	942.4
87.5°	68.1	81.4	104.3	126.6	219.5	312.3	179.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P320487
 CATALOG NUMBER: GLEON-SA3C-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.

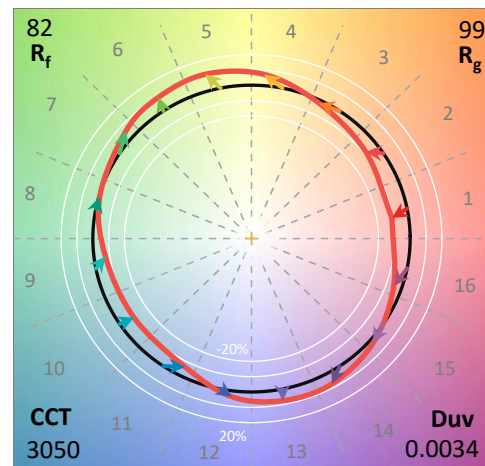
Test Information

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

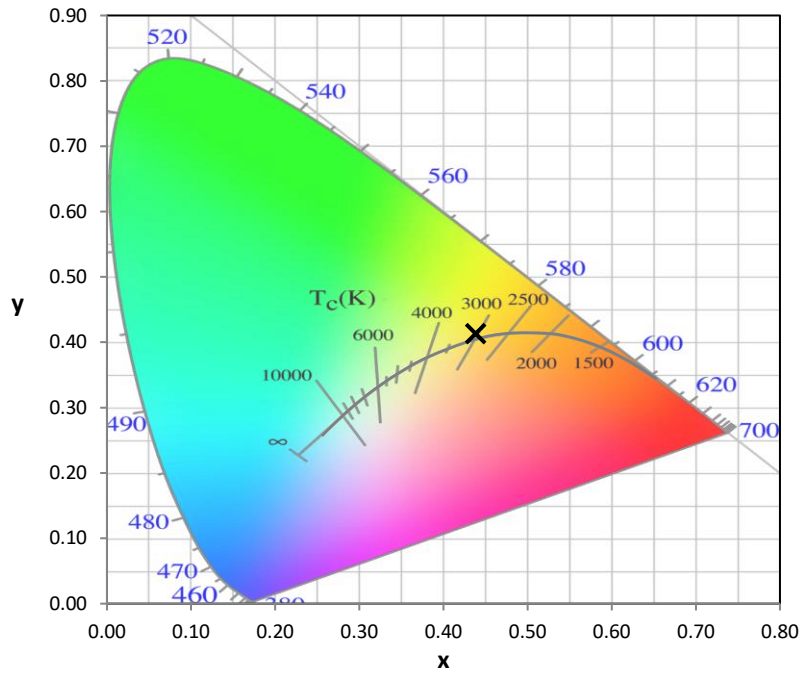
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

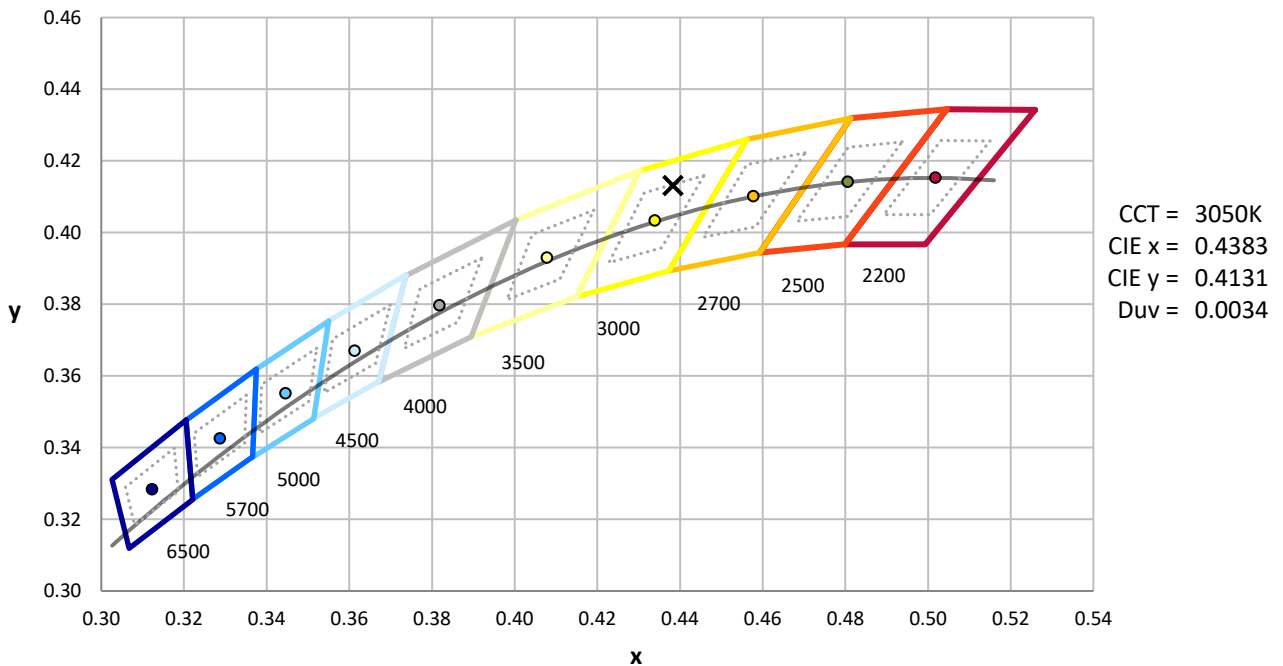
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



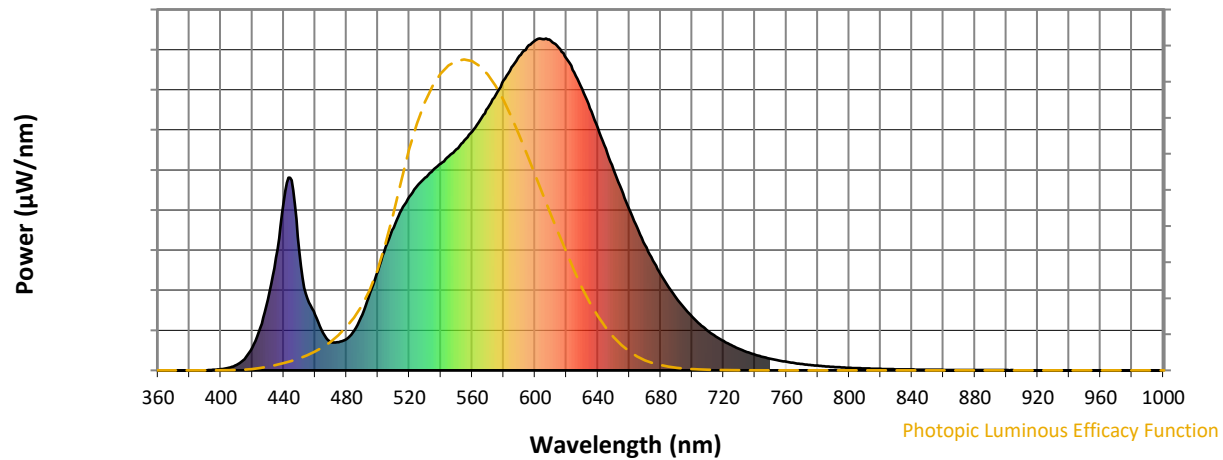
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

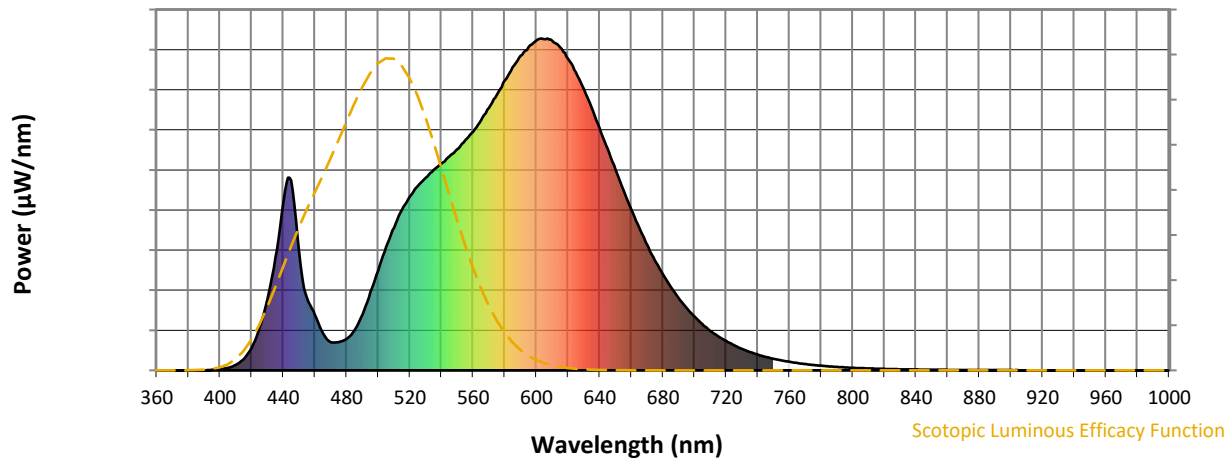


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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



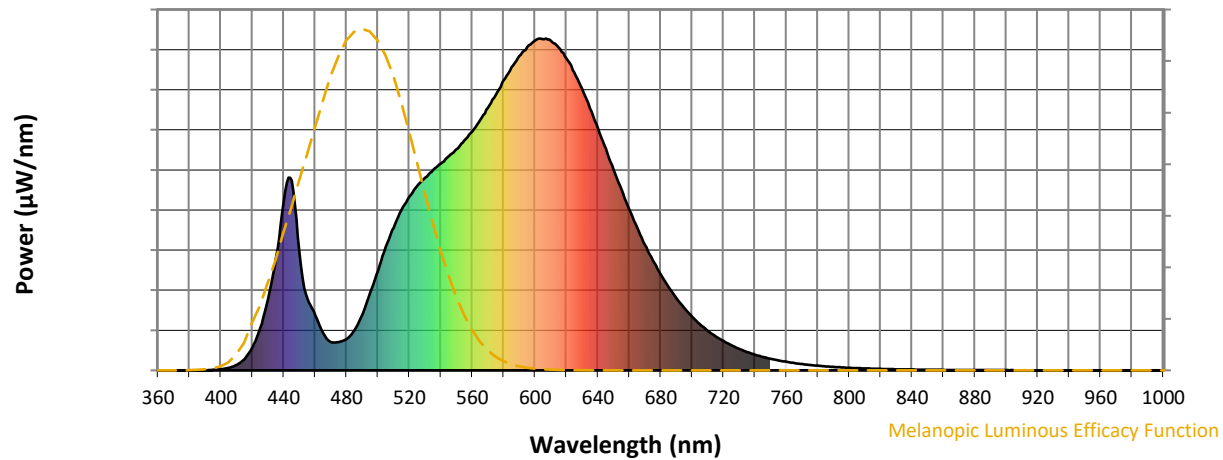
Scotopic Lumens: NR

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

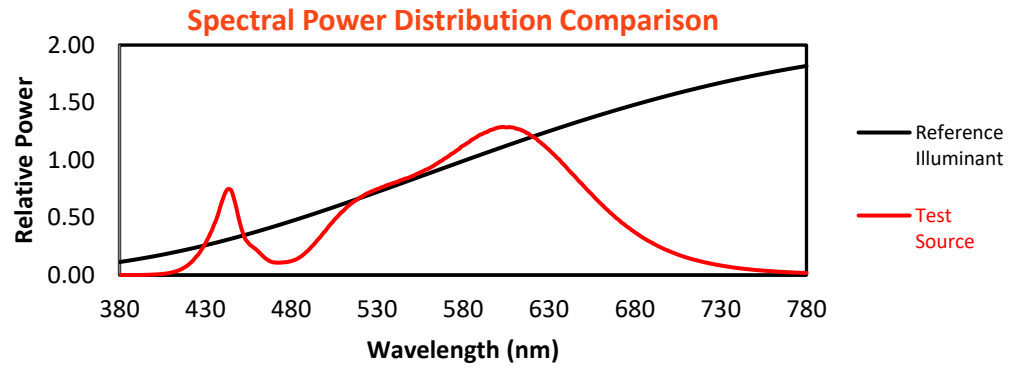
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168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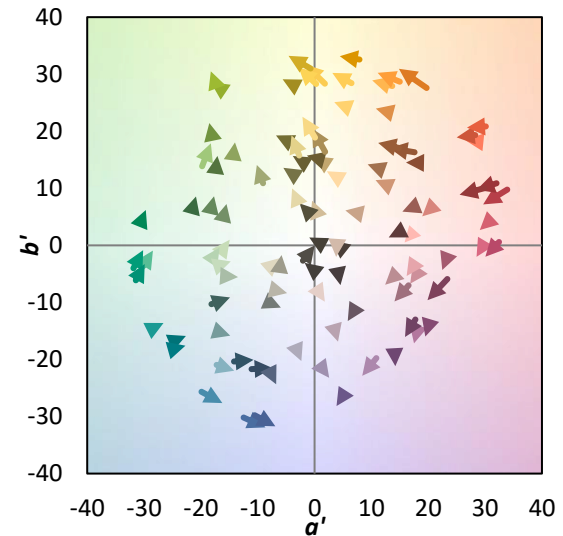
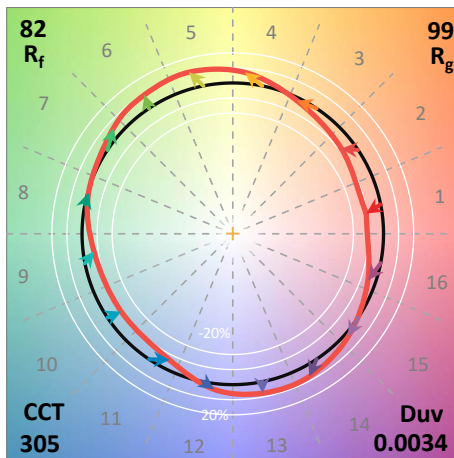
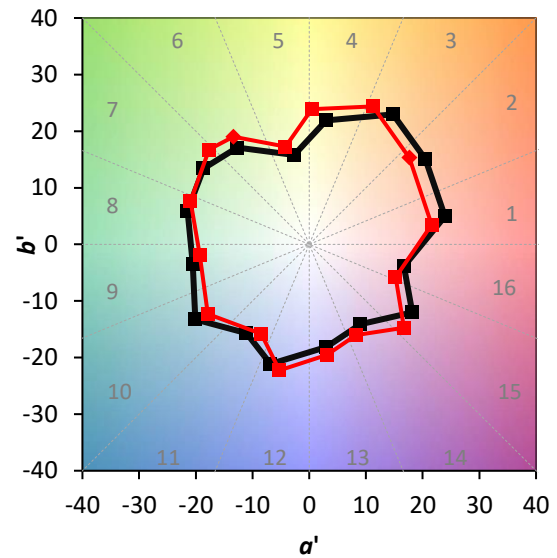
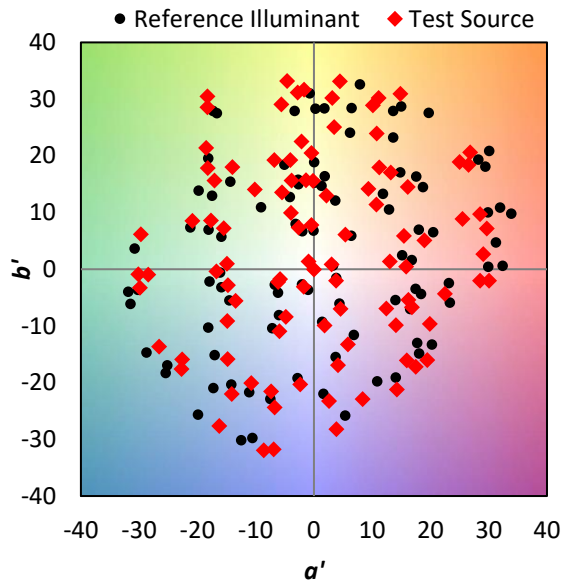
TM-30-18

Summary

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

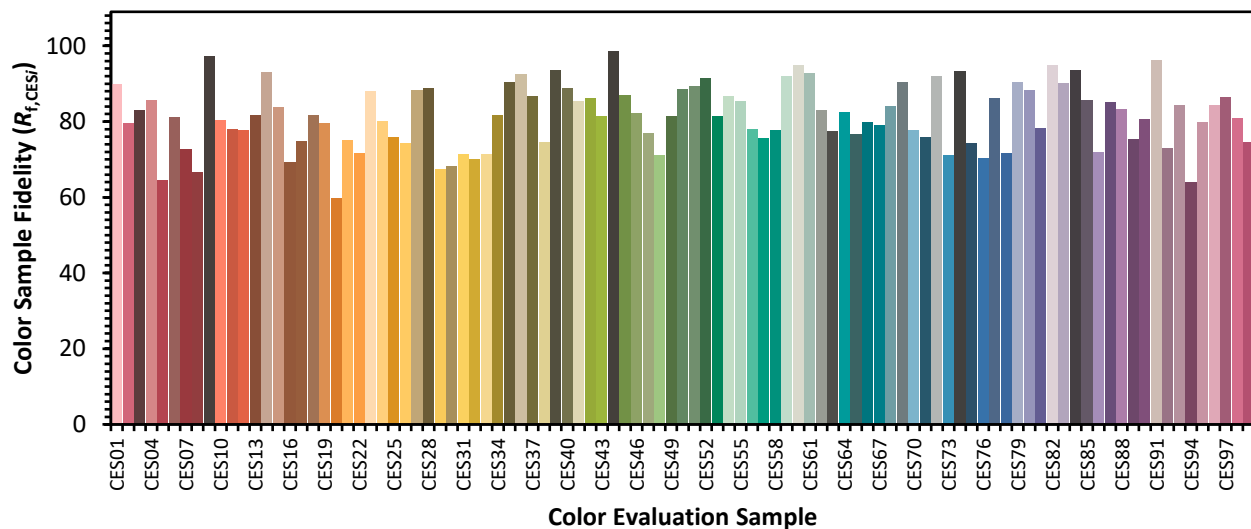


Color Vector Graphics

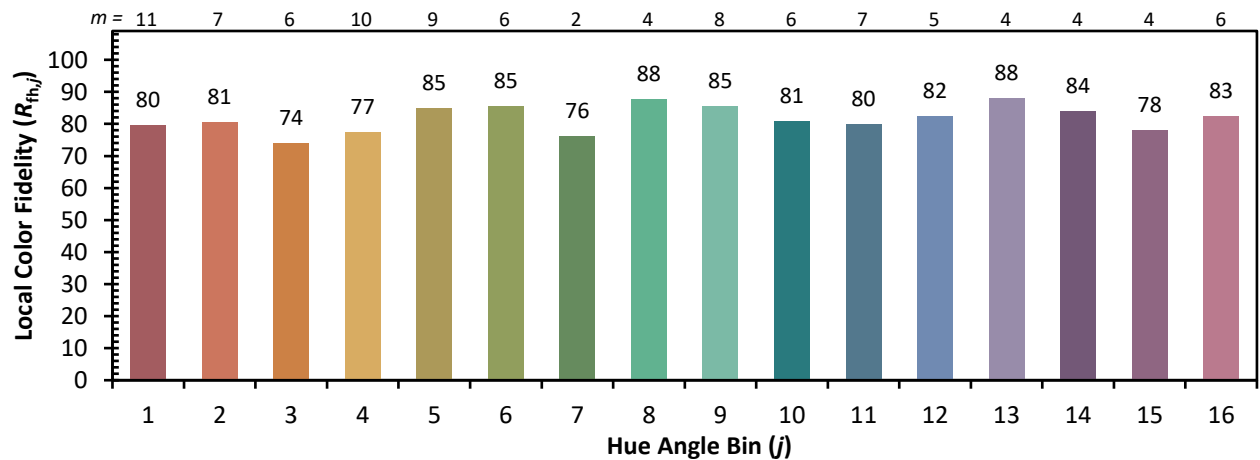
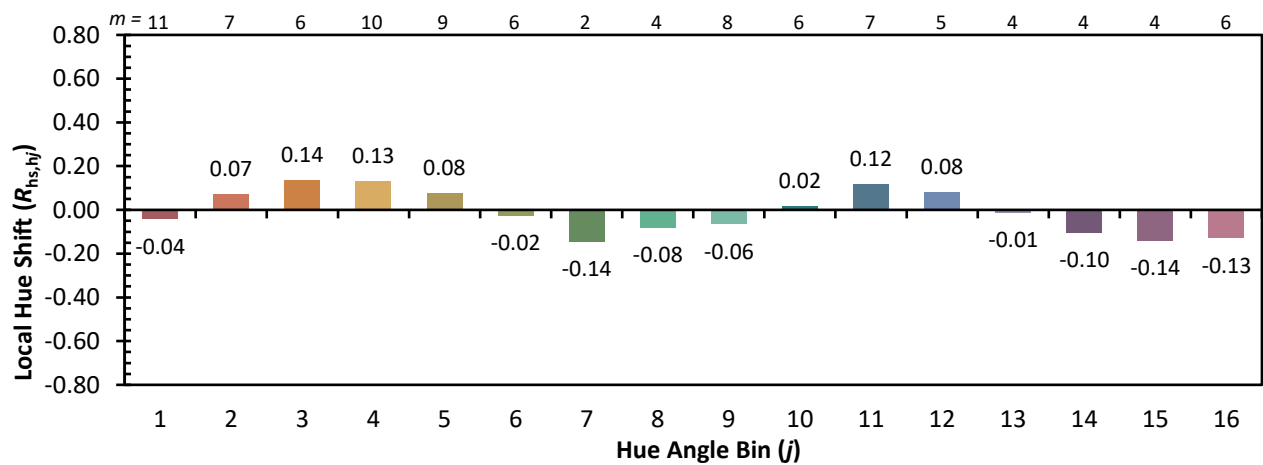
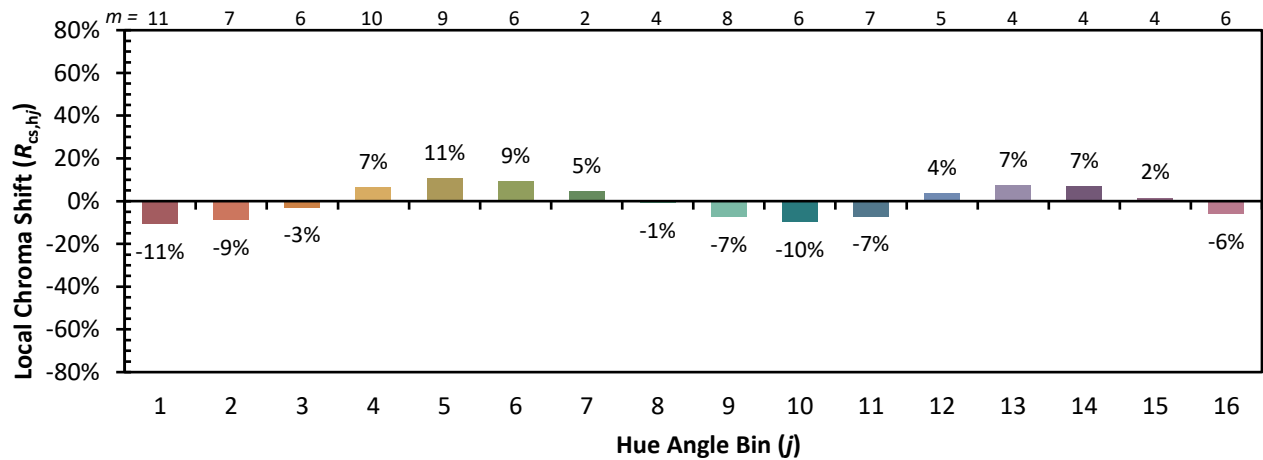


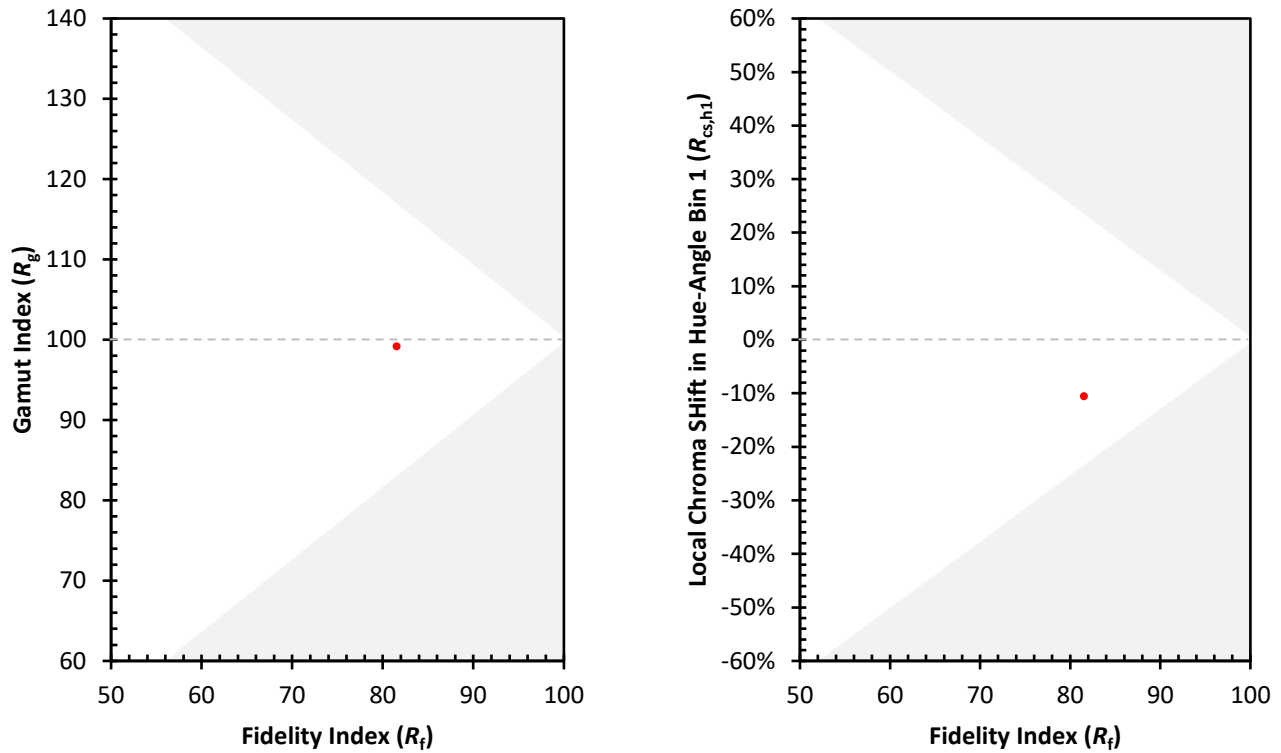
Individual Sample Fidelity Index ($R_{f,i}$)

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)