

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P320486

Luminaire Tested: **GLEON-SA2C-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320486
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-SA2C-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 10107 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

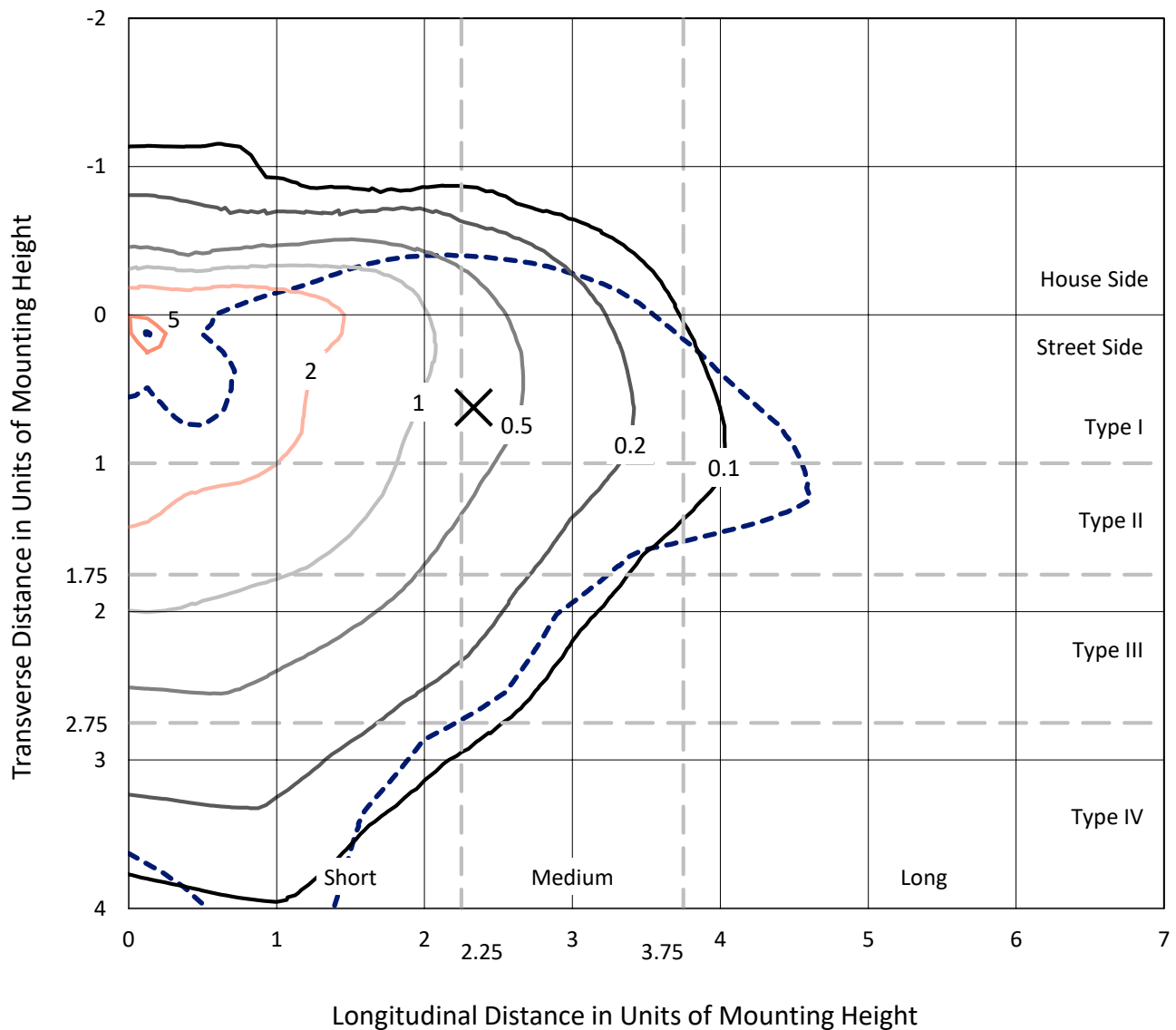
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

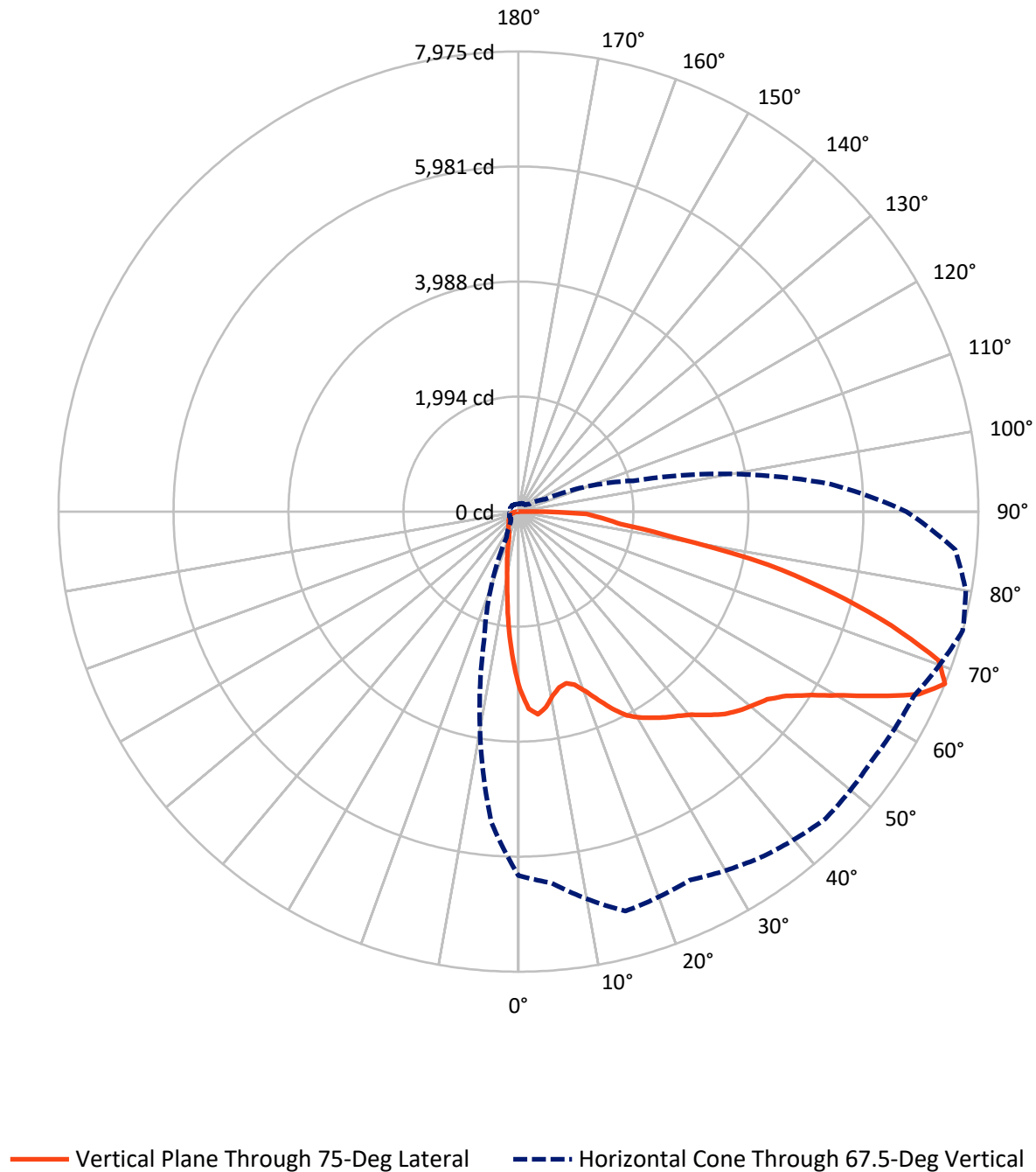
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	1780.1	0.0	1780.1
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	8326.9	0.0	8326.9
	% Fixture	82.4	0.0	82.4
Total	Lumens	10107.0	0.0	10107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	2.4
10°-20°	493.7	4.9
20°-30°	702.1	6.9
30°-40°	1011.7	10.0
40°-50°	1425.8	14.1
50°-60°	1982.2	19.6
60°-70°	2397.0	23.7
70°-80°	1473.4	14.6
80°-90°	383.4	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10107.0	100.0
0°-180°	10107.0	100.0

Coefficient of Utilization



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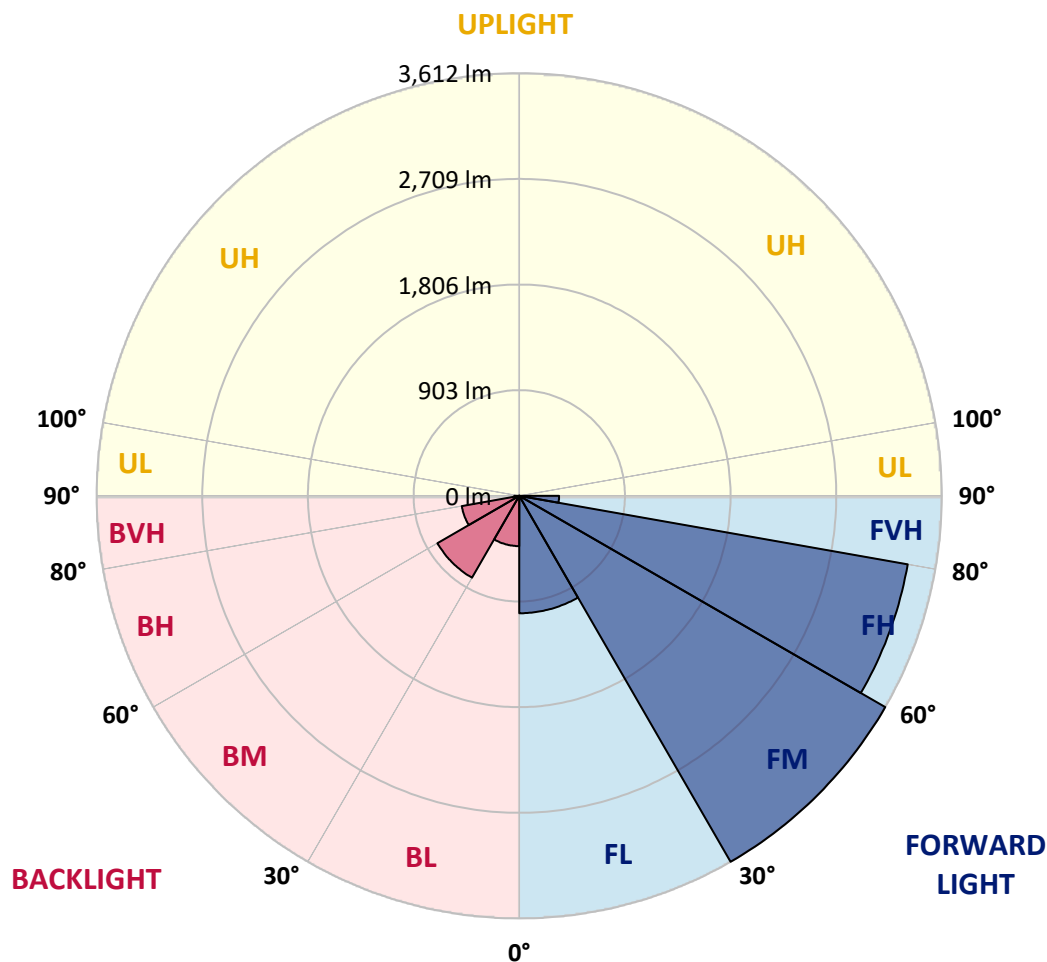
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1003.5	9.9			
FM	(30°-60°)	3611.7	35.7			
FH	(60°-80°)	3371.4	33.4			G2/5000
FVH	(80°-90°)	340.3	3.4			G3/500
BL	(0°-30°)	429.9	4.3	B1/500		
BM	(30°-60°)	808.0	8.0	B1/1000		
BH	(60°-80°)	499.1	4.9	B1/500		G1/500
BVH	(80°-90°)	43.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	3282.0	3325.2	3355.1	3384.6	3407.7	3430.3	3463.4	3496.6	3503.0	3509.1	3496.2
5°	3262.6	3368.1	3457.8	3547.1	3629.9	3712.8	3762.5	3812.2	3822.3	3832.4	3801.2
7.5°	3053.7	3209.3	3364.8	3520.4	3663.1	3805.7	3892.6	3979.0	3998.8	4018.2	3967.3
10°	2816.1	2997.1	3188.2	3379.4	3567.3	3755.2	3880.9	4006.5	4031.6	4056.6	3993.2
12.5°	2635.5	2833.1	3037.1	3241.2	3439.6	3637.6	3767.7	3897.8	3928.9	3960.1	3914.0
15°	2566.0	2782.5	2974.5	3166.4	3339.4	3511.9	3618.6	3724.9	3737.8	3750.3	3743.1
17.5°	2635.5	2874.3	3048.0	3221.4	3315.5	3409.3	3452.1	3494.5	3508.7	3522.4	3541.0
20°	2838.7	3096.5	3219.0	3341.0	3337.0	3332.5	3311.9	3290.9	3287.2	3283.6	3336.1
22.5°	3128.8	3428.3	3477.2	3525.7	3412.1	3298.6	3229.5	3160.0	3146.2	3132.1	3187.8
25°	3469.5	3788.3	3779.4	3770.1	3553.9	3337.4	3205.6	3073.9	3058.5	3043.2	3090.9
27.5°	3840.0	4144.7	4086.5	4028.3	3734.6	3440.8	3249.7	3058.5	3043.2	3027.8	3069.9
30°	4129.8	4406.2	4312.8	4219.5	3886.9	3554.4	3327.3	3100.2	3075.1	3049.6	3101.4
32.5°	4375.1	4610.2	4485.0	4359.7	4010.6	3661.4	3415.7	3170.1	3130.9	3091.7	3160.8
35°	4630.4	4813.9	4637.7	4461.1	4120.9	3780.2	3520.4	3260.2	3212.1	3164.0	3259.0
37.5°	4917.7	5070.1	4817.1	4563.8	4244.9	3926.1	3677.2	3427.9	3378.6	3329.3	3450.5
40°	5221.2	5348.1	5010.7	4673.3	4380.7	4088.2	3894.2	3699.8	3652.9	3605.7	3752.8
42.5°	5486.7	5579.2	5190.9	4802.6	4544.4	4285.7	4149.2	4012.2	4011.8	4011.0	4160.1
45°	5686.7	5767.1	5341.2	4914.9	4704.0	4492.6	4421.5	4350.4	4407.4	4464.4	4599.3
47.5°	5852.8	5907.4	5467.3	5026.8	4886.6	4746.4	4756.9	4767.4	4883.4	4999.4	5086.2
50°	6042.7	5998.7	5581.7	5164.2	5121.0	5077.8	5172.3	5266.5	5399.8	5532.8	5591.8
52.5°	6248.4	6131.6	5736.8	5341.6	5390.1	5438.6	5631.0	5823.3	5957.9	6092.4	6114.6
55°	6618.1	6439.1	6022.1	5604.7	5698.0	5791.0	6073.4	6355.5	6460.5	6565.6	6573.7
57.5°	7034.8	6875.9	6421.8	5967.6	6067.8	6168.0	6494.1	6819.8	6933.3	7046.5	7030.7
60°	7195.2	7202.9	6801.2	6399.1	6500.1	6601.2	6918.8	7236.4	7366.9	7497.0	7462.3
62.5°	7033.5	7223.1	7008.5	6793.5	6885.2	6976.6	7287.7	7598.9	7732.6	7866.4	7805.8
65°	6713.9	6901.8	6998.0	7094.2	7124.5	7154.8	7445.3	7735.4	7838.1	7940.3	7909.6
67.5°	6307.4	6459.3	6814.1	7168.5	7107.5	7046.5	7182.7	7318.8	7424.3	7529.8	7512.4
70°	5836.6	6017.7	6490.9	6964.0	6664.2	6364.0	6307.8	6251.6	6365.6	6479.1	6408.8
72.5°	4992.5	5265.7	5770.4	6274.7	5722.3	5169.9	4978.0	4786.0	4930.3	5074.5	4962.6
75°	3770.9	4133.4	4691.0	5248.3	4589.2	3930.2	3674.0	3417.8	3541.8	3665.9	3589.1
77.5°	2622.5	3077.1	3626.3	4175.4	3505.5	2835.1	2644.8	2454.0	2491.2	2528.0	2515.0
80°	1788.1	2087.1	2470.2	2852.9	2406.7	1960.6	1975.6	1990.1	1972.8	1955.0	1980.8
82.5°	1121.3	1331.9	1627.7	1923.1	1686.3	1449.5	1585.2	1721.0	1654.3	1587.3	1612.3
85°	631.6	760.1	1049.4	1338.3	1247.4	1156.1	1235.7	1314.9	1211.5	1108.0	1153.7
87.5°	120.4	200.4	580.7	960.5	872.0	783.5	680.9	578.2	441.3	304.3	444.5
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



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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°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	3483.2	3476.4	3469.5	3444.8	3419.8	3382.6	3351.9	3298.6	3269.5	3225.4	3181.4
5°	3769.7	3726.1	3682.4	3607.3	3531.7	3447.7	3351.1	3244.0	3163.2	3058.1	2953.1
7.5°	3916.4	3814.6	3712.3	3568.1	3423.4	3293.3	3140.6	2998.3	2877.1	2740.5	2603.9
10°	3929.7	3777.0	3623.9	3436.4	3248.5	3090.5	2914.7	2756.7	2611.2	2454.4	2297.2
12.5°	3867.5	3705.1	3542.2	3335.7	3128.8	2949.4	2760.3	2583.3	2422.1	2249.6	2076.6
15°	3735.8	3606.1	3476.0	3282.4	3088.8	2907.8	2724.4	2514.6	2332.4	2155.8	1978.8
17.5°	3559.2	3497.8	3436.0	3296.1	3155.9	2999.1	2821.3	2575.2	2361.9	2169.9	1978.0
20°	3388.3	3410.9	3433.1	3377.4	3321.6	3195.9	3040.8	2764.4	2492.0	2241.1	1989.7
22.5°	3243.2	3351.9	3460.2	3503.4	3546.3	3470.7	3349.5	3029.8	2669.4	2341.7	2014.0
25°	3138.1	3318.4	3498.6	3642.4	3785.9	3752.4	3659.0	3352.3	2904.6	2486.8	2068.5
27.5°	3111.9	3332.9	3553.9	3777.0	3999.7	4030.8	4004.9	3692.1	3185.0	2667.0	2148.5
30°	3153.1	3377.0	3600.4	3872.0	4143.1	4267.2	4301.9	3975.4	3505.5	2877.1	2248.3
32.5°	3229.9	3449.3	3668.7	3964.5	4259.9	4447.4	4558.1	4234.4	3728.9	3035.5	2341.7
35°	3353.9	3559.2	3764.5	4072.4	4380.3	4622.8	4824.8	4501.9	3927.3	3146.2	2364.7
37.5°	3571.3	3747.9	3924.5	4209.0	4493.0	4807.4	5110.9	4796.5	4141.9	3252.9	2363.5
40°	3899.8	4024.7	4149.2	4389.6	4629.6	5025.2	5435.0	5125.0	4379.1	3368.5	2357.8
42.5°	4309.2	4373.4	4437.3	4627.6	4817.9	5252.7	5729.1	5446.3	4605.4	3476.0	2346.5
45°	4733.9	4750.9	4767.8	4887.8	5007.4	5433.0	5929.6	5687.5	4803.0	3569.3	2335.2
47.5°	5172.7	5114.5	5056.3	5104.0	5151.7	5571.2	6072.6	5870.6	5001.4	3672.7	2343.7
50°	5650.8	5488.7	5326.7	5301.6	5276.6	5709.3	6241.1	6103.3	5239.8	3823.5	2407.1
52.5°	6136.5	5869.4	5602.3	5503.3	5403.9	5874.2	6464.6	6393.1	5580.0	4057.0	2533.6
55°	6581.8	6241.9	5902.1	5768.7	5635.4	6126.4	6737.3	6818.6	6016.1	4355.7	2694.9
57.5°	7014.6	6629.5	6244.4	6120.7	5997.1	6496.9	7082.8	7200.4	6456.5	4642.2	2827.4
60°	7427.5	7046.5	6665.0	6566.0	6466.6	6957.6	7456.2	7370.6	6683.6	4776.3	2868.6
62.5°	7745.1	7442.1	7139.0	7086.9	7034.4	7423.5	7743.1	7304.3	6539.3	4644.2	2749.0
65°	7878.9	7706.3	7533.4	7582.3	7630.8	7775.9	7814.6	7110.3	6086.0	4274.0	2462.1
67.5°	7494.6	7529.8	7564.9	7770.2	7975.1	7875.3	7602.1	6728.1	5440.6	3749.5	2058.4
70°	6338.1	6549.0	6759.6	7245.3	7730.6	7509.2	7032.7	6041.9	4664.0	3145.4	1626.5
72.5°	4850.3	5087.5	5324.3	6045.1	6765.6	6561.6	5978.1	4962.6	3739.4	2511.8	1283.8
75°	3511.9	3779.8	4047.3	4842.6	5637.8	5354.6	4471.6	3553.1	2840.3	1917.4	994.1
77.5°	2501.7	2681.1	2860.5	3646.1	4431.2	3969.8	2976.5	2391.0	1965.9	1332.7	699.1
80°	2006.7	1951.7	1896.8	2334.4	2772.0	2695.3	1968.7	1535.5	1360.6	893.0	425.5
82.5°	1637.0	1502.8	1368.6	1574.7	1780.8	1769.5	1366.2	1126.6	1012.6	620.7	228.7
85°	1198.9	1145.2	1091.4	1273.7	1455.9	1300.4	925.4	716.0	789.6	457.0	124.5
87.5°	584.7	668.0	750.8	965.8	1180.3	886.2	280.8	139.0	192.3	126.5	60.2
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: P320486
 CATALOG NUMBER: GLEON-SA2C-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: P320486

CATALOG NUMBER: GLEON-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	3148.6	3115.5	3077.9	3040.4	2997.5	2954.3	2928.8	2903.0	2875.1	2847.2	2815.7
5°	2883.6	2814.1	2735.3	2656.5	2578.5	2500.5	2458.5	2416.4	2372.0	2327.1	2288.3
7.5°	2502.9	2401.5	2292.4	2182.9	2085.9	1988.5	1928.3	1867.7	1812.7	1757.4	1710.9
10°	2167.9	2038.6	1929.1	1819.2	1746.1	1672.9	1617.6	1562.2	1508.9	1455.1	1403.8
12.5°	1947.3	1818.0	1748.5	1679.0	1618.4	1557.8	1493.9	1429.7	1356.5	1283.0	1229.2
15°	1861.2	1743.6	1666.5	1588.9	1507.6	1426.0	1347.6	1269.2	1182.8	1096.3	1035.3
17.5°	1824.0	1670.1	1562.2	1453.9	1346.8	1239.7	1148.8	1057.9	963.3	868.8	807.0
20°	1784.9	1580.0	1435.3	1290.3	1152.9	1015.5	912.4	809.4	724.9	640.5	593.2
22.5°	1749.3	1484.2	1302.8	1120.9	958.5	796.1	695.0	593.6	541.9	490.2	471.2
25°	1734.7	1400.6	1177.5	954.5	783.1	611.4	539.5	467.5	447.7	427.5	417.8
27.5°	1737.2	1325.8	1072.0	817.9	663.5	509.1	459.9	410.6	398.4	385.9	379.8
30°	1746.5	1244.6	972.6	700.7	573.4	446.1	414.2	381.9	368.9	356.0	348.3
32.5°	1757.0	1171.9	895.9	619.5	515.6	411.4	385.1	358.4	345.9	333.4	325.7
35°	1738.8	1112.5	843.3	574.2	478.4	382.3	360.0	337.4	323.7	309.9	302.7
37.5°	1708.1	1052.6	802.5	552.0	454.2	356.0	339.8	323.3	309.1	294.6	287.7
40°	1680.2	1002.1	772.2	541.9	440.9	339.4	325.7	312.0	297.4	282.5	274.4
42.5°	1657.6	968.2	742.3	516.4	428.7	340.6	321.2	301.4	287.3	273.2	264.3
45°	1640.6	946.0	718.9	491.8	417.4	343.1	318.4	293.8	279.6	265.1	254.6
47.5°	1639.0	934.2	702.3	470.4	396.0	321.2	311.1	301.0	280.4	259.4	247.3
50°	1661.2	915.3	682.9	450.2	375.4	300.6	314.4	327.7	292.6	257.0	241.6
52.5°	1707.7	881.7	652.2	422.7	350.3	277.6	299.0	320.0	289.7	259.0	239.2
55°	1763.8	832.4	605.7	378.6	317.2	255.4	274.4	293.0	274.0	254.6	230.7
57.5°	1799.0	770.2	547.1	324.1	280.0	236.0	246.9	257.4	249.7	242.0	217.8
60°	1778.0	687.4	481.3	274.8	247.3	219.8	217.8	215.4	226.7	238.0	210.1
62.5°	1675.3	601.7	423.1	244.5	223.9	202.9	198.4	193.6	212.1	230.3	200.8
65°	1502.0	541.9	386.3	230.7	207.7	184.7	179.8	175.0	180.6	186.3	172.5
67.5°	1281.8	505.1	365.3	225.5	197.6	169.3	163.7	158.0	156.8	155.6	150.7
70°	1054.7	482.5	351.6	220.6	186.7	152.3	147.1	141.8	140.2	138.2	134.6
72.5°	881.7	479.7	349.9	220.2	177.8	135.4	130.5	125.7	123.7	121.2	118.4
75°	722.1	450.2	332.2	214.2	165.7	116.8	112.3	107.9	106.3	104.3	101.8
77.5°	535.8	372.6	279.2	185.9	141.8	97.8	93.3	88.5	88.1	87.3	85.3
80°	347.5	269.5	199.6	129.7	103.4	76.8	73.1	69.1	69.5	69.9	68.3
82.5°	193.2	157.2	122.0	86.9	70.7	54.6	52.9	50.9	52.1	52.9	50.9
85°	101.8	79.2	65.5	51.7	40.8	29.9	29.9	29.5	31.1	32.7	31.1
87.5°	44.0	27.9	23.8	19.4	10.9	2.0	2.4	2.4	3.2	4.0	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320486
 CATALOG NUMBER: GLEON-SA2C-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: P320486

CATALOG NUMBER: GLEON-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	2783.8	2754.3	2724.4	2691.6	2697.7	2672.6	2647.6	2631.8	2616.1	2611.2	2606.4
5°	2249.6	2216.0	2182.1	2151.8	2178.0	2160.3	2142.5	2140.0	2137.2	2137.2	2136.8
7.5°	1664.4	1628.5	1592.1	1567.1	1592.9	1589.7	1586.4	1603.8	1621.2	1635.3	1649.1
10°	1352.5	1308.8	1264.8	1227.6	1221.2	1202.6	1183.6	1187.6	1191.2	1206.6	1222.0
12.5°	1175.5	1123.4	1071.2	1027.6	1007.8	977.1	946.0	926.6	907.2	909.2	910.8
15°	973.9	923.3	872.4	834.8	822.3	798.5	774.6	750.4	725.7	715.6	705.1
17.5°	744.7	704.3	663.5	638.5	638.5	631.6	624.7	612.6	600.1	590.0	579.5
20°	545.9	524.5	502.7	492.2	495.4	495.8	495.8	501.9	507.9	504.7	501.5
22.5°	451.8	444.1	436.4	432.0	433.6	434.0	434.4	440.1	445.3	449.3	453.0
25°	407.7	402.9	398.0	396.4	400.0	400.5	400.5	404.1	407.7	411.8	415.8
27.5°	373.4	371.4	369.3	366.5	370.1	370.1	369.7	373.8	377.4	381.1	384.3
30°	340.6	341.5	341.9	341.0	343.5	345.1	346.3	349.1	351.6	354.4	357.2
32.5°	317.6	316.4	315.2	314.4	319.6	322.5	325.3	328.1	330.5	331.8	333.0
35°	295.4	292.6	289.7	287.7	292.6	296.2	299.8	305.1	309.9	310.7	311.6
37.5°	280.4	276.8	273.2	270.7	272.8	274.4	276.0	281.6	287.3	290.5	293.4
40°	266.3	262.7	259.0	257.0	258.2	258.6	259.0	261.8	264.3	270.3	276.0
42.5°	255.0	250.5	246.1	243.7	244.5	245.3	245.7	245.3	244.9	250.5	256.2
45°	243.7	238.8	234.0	231.1	231.5	231.5	231.5	230.7	229.5	232.4	235.2
47.5°	234.8	229.1	223.5	220.6	219.8	219.0	218.2	217.8	217.0	219.0	220.6
50°	225.9	219.8	213.4	210.1	208.1	207.3	206.5	206.1	205.3	207.3	208.9
52.5°	219.0	211.7	204.5	199.2	197.2	196.0	194.8	195.2	195.2	196.0	196.4
55°	206.9	200.4	193.6	189.9	186.3	185.5	184.7	185.9	186.7	186.7	186.7
57.5°	193.6	187.5	181.0	178.6	175.4	175.4	175.0	176.6	177.8	178.6	179.4
60°	181.8	175.0	168.1	166.1	164.9	164.5	164.1	166.1	167.7	169.3	170.9
62.5°	170.9	163.7	156.4	154.0	153.6	154.0	154.0	156.0	157.6	159.2	160.8
65°	158.8	151.5	143.9	141.4	142.2	143.5	144.7	146.3	147.5	149.1	150.7
67.5°	145.5	139.4	132.9	130.5	130.9	132.5	134.2	135.4	136.2	137.8	139.4
70°	130.9	125.7	120.4	118.8	118.4	120.4	122.0	122.8	123.7	125.7	127.3
72.5°	115.2	110.7	106.3	105.1	105.5	106.7	107.9	109.1	109.9	111.9	113.5
75°	99.0	95.0	90.9	90.1	90.9	92.1	93.3	94.2	95.0	97.4	99.4
77.5°	83.2	78.8	73.9	73.5	74.8	76.0	76.8	78.0	79.2	82.4	85.7
80°	66.7	61.8	56.6	56.2	57.4	58.6	59.8	61.0	62.2	66.3	69.9
82.5°	48.9	43.2	37.6	36.8	40.8	42.0	43.2	45.3	46.9	50.5	54.1
85°	29.5	23.8	18.2	17.8	21.4	23.4	25.5	27.9	29.9	33.1	36.4
87.5°	3.2	1.6	0.0	0.0	0.4	2.0	3.6	5.7	7.7	10.9	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320486
 CATALOG NUMBER: GLEON-SA2C-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: P320486

CATALOG NUMBER: GLEON-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	2588.6	2570.4	2589.0	2607.2	2614.8	2622.5	2602.7	2582.5	2614.0	2645.2	2653.2
5°	2120.6	2104.1	2116.6	2128.7	2101.7	2074.6	2071.8	2068.5	2092.0	2115.4	2119.0
7.5°	1643.8	1638.6	1650.3	1662.0	1627.7	1592.9	1575.9	1559.0	1564.6	1570.3	1569.5
10°	1225.6	1228.8	1243.4	1257.5	1230.8	1204.2	1192.5	1180.7	1193.7	1206.2	1217.9
12.5°	918.1	925.0	940.3	955.3	944.4	933.0	934.2	935.5	950.4	965.0	977.9
15°	713.2	721.3	732.2	742.7	743.1	743.1	753.6	763.7	762.5	761.3	770.2
17.5°	590.4	600.9	602.1	603.3	603.7	604.1	603.3	602.5	596.4	590.4	597.2
20°	505.5	509.1	512.4	515.2	511.6	507.5	497.4	487.3	483.3	479.2	485.7
22.5°	459.9	466.3	463.1	459.4	452.2	444.5	436.8	428.7	428.3	427.5	431.2
25°	421.5	426.7	421.1	415.4	410.1	404.9	399.6	394.4	394.0	393.6	395.2
27.5°	389.5	394.4	389.1	383.9	379.4	375.0	371.0	366.9	366.1	365.3	365.7
30°	362.1	366.5	362.1	357.2	354.0	350.3	347.5	344.7	344.3	343.9	343.9
32.5°	337.4	341.9	338.6	335.4	332.6	329.7	327.7	325.7	323.7	321.7	317.2
35°	316.0	320.4	318.4	316.0	312.8	309.5	305.9	301.9	296.6	290.9	288.5
37.5°	297.8	302.3	300.2	298.2	293.8	289.3	282.9	276.0	274.4	272.4	272.0
40°	283.3	290.1	286.1	281.6	274.8	267.9	264.7	261.4	260.6	259.8	259.0
42.5°	267.1	277.6	270.3	263.1	256.6	250.1	249.3	248.5	248.1	247.7	247.7
45°	246.9	258.2	250.9	243.3	239.6	236.0	236.0	236.0	236.4	236.4	237.2
47.5°	227.9	234.8	231.1	227.5	225.5	223.5	223.9	224.3	225.5	226.3	228.3
50°	211.7	214.2	215.0	215.4	214.2	213.0	213.8	214.2	215.4	216.2	217.8
52.5°	200.0	203.7	203.7	203.3	203.3	203.3	204.1	204.9	206.1	207.3	208.9
55°	192.3	197.6	196.0	194.4	194.8	194.8	195.6	196.4	197.6	198.4	200.8
57.5°	185.1	190.7	189.1	187.5	187.5	187.5	187.9	188.3	189.5	190.3	191.9
60°	176.6	182.2	180.6	178.6	179.0	179.4	179.8	179.8	180.6	181.0	181.0
62.5°	166.5	172.1	170.5	168.5	169.7	170.5	170.5	170.5	171.3	171.7	170.5
65°	156.0	161.2	159.6	158.0	159.6	160.8	161.6	162.0	161.6	161.2	160.0
67.5°	144.7	149.9	148.3	146.3	148.3	149.9	151.5	152.7	151.5	150.3	148.7
70°	132.5	137.8	135.8	133.8	135.8	137.8	139.4	141.0	139.4	137.8	137.4
72.5°	119.6	125.7	123.2	120.8	123.2	125.7	126.5	127.3	126.1	124.9	124.1
75°	105.5	111.5	109.5	107.1	109.1	111.1	111.5	111.9	111.9	111.5	109.1
77.5°	90.5	95.4	94.2	92.9	94.2	95.4	95.4	95.4	95.8	95.8	92.5
80°	72.7	75.6	76.0	76.4	76.8	77.2	76.8	76.4	75.6	74.8	72.7
82.5°	54.1	54.1	57.4	60.2	60.2	59.8	59.4	58.6	57.0	55.0	50.5
85°	34.3	32.3	37.6	42.4	42.4	42.0	41.2	40.0	36.8	33.1	29.5
87.5°	11.7	9.7	15.0	20.2	20.6	20.6	19.8	19.0	15.8	12.1	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320486
 CATALOG NUMBER: GLEON-SA2C-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: P320486

CATALOG NUMBER: GLEON-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	2665.4	2670.6	2675.5	2715.1	2754.3	2800.3	2846.4	2881.5	2916.3	2952.3	2988.2
5°	2131.6	2138.0	2144.5	2192.6	2240.3	2304.5	2368.8	2424.1	2479.5	2544.5	2609.6
7.5°	1580.0	1594.1	1607.9	1659.2	1710.1	1779.2	1847.9	1920.2	1992.2	2077.0	2161.9
10°	1241.0	1267.6	1293.9	1346.4	1399.0	1467.2	1535.1	1610.7	1686.3	1769.9	1853.1
12.5°	1004.6	1040.1	1075.3	1138.3	1201.4	1283.0	1364.2	1448.2	1531.9	1605.4	1679.0
15°	793.6	832.4	870.8	937.5	1004.2	1093.9	1183.2	1274.9	1366.2	1454.3	1542.4
17.5°	619.1	651.0	682.5	739.1	795.2	882.1	969.0	1065.2	1161.3	1268.8	1375.9
20°	499.5	512.8	526.1	566.9	607.3	678.1	748.4	846.6	944.8	1073.3	1201.8
22.5°	437.6	444.5	451.0	470.8	490.2	535.8	581.1	668.0	754.4	894.6	1034.5
25°	400.5	405.7	411.0	423.9	436.8	458.6	480.5	541.5	602.5	740.3	877.7
27.5°	366.9	375.0	382.7	388.7	394.4	409.3	423.9	463.9	503.9	632.4	760.5
30°	342.7	345.5	348.3	357.6	366.5	381.9	397.2	425.1	453.0	561.7	670.0
32.5°	314.4	318.4	322.5	332.2	341.9	356.0	370.1	392.8	415.0	507.9	600.5
35°	288.9	293.0	297.0	306.7	316.0	331.4	346.3	365.3	383.9	464.7	545.5
37.5°	273.2	277.2	281.2	289.7	297.8	313.2	328.1	343.1	357.6	432.4	507.1
40°	259.8	263.9	267.9	276.0	283.7	298.6	313.2	325.7	338.2	408.1	478.0
42.5°	248.1	252.6	257.0	265.1	272.8	286.1	299.4	316.0	332.2	387.1	441.7
45°	238.4	242.9	246.9	255.8	264.7	277.6	290.5	313.6	336.6	376.2	415.8
47.5°	229.5	234.4	238.8	248.5	258.2	274.4	290.1	309.5	328.5	367.7	406.9
50°	221.0	226.7	232.4	244.1	255.4	282.5	309.1	312.0	314.4	360.8	406.9
52.5°	213.0	219.4	225.9	240.4	254.6	286.1	317.6	307.5	297.0	347.9	398.8
55°	204.9	210.5	215.8	233.6	251.3	274.4	297.4	284.1	270.3	323.7	377.0
57.5°	194.0	200.0	205.7	224.7	243.7	259.8	275.6	263.5	250.9	296.2	341.0
60°	182.6	189.5	196.4	220.6	244.5	241.6	238.4	236.0	233.2	265.5	297.8
62.5°	172.5	179.8	187.1	218.6	250.1	230.7	211.3	213.4	215.0	238.8	262.7
65°	162.4	169.7	176.6	192.3	208.1	200.4	192.7	196.0	198.8	222.2	245.7
67.5°	151.1	157.6	163.7	168.9	174.2	175.0	175.8	179.0	182.2	210.1	237.6
70°	138.6	143.9	149.1	152.7	156.0	157.6	158.8	162.8	166.9	197.2	227.5
72.5°	124.5	128.9	132.9	136.2	139.4	140.6	141.4	145.5	149.5	181.8	214.2
75°	109.1	112.7	116.0	118.8	121.6	123.2	124.9	127.7	130.5	165.7	200.4
77.5°	92.1	95.8	99.0	101.4	103.4	105.1	106.3	109.9	113.5	143.0	172.1
80°	71.9	76.4	80.4	82.4	84.1	84.5	84.5	87.7	90.9	111.9	132.5
82.5°	50.9	55.8	60.2	61.8	63.4	63.4	63.4	67.1	70.7	84.9	98.6
85°	29.9	35.2	40.0	41.6	43.2	44.0	44.4	46.1	47.3	57.4	67.1
87.5°	9.3	13.7	17.8	18.6	19.4	21.0	22.6	23.0	23.0	29.9	36.8
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: P320486
 CATALOG NUMBER: GLEON-SA2C-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: P320486

CATALOG NUMBER: GLEON-SA2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1	3079.1
2.5°	3029.4	3070.7	3118.7	3166.4	3207.2	3248.1	3282.0
5°	2692.4	2775.3	2876.7	2977.7	3067.8	3157.9	3262.6
7.5°	2268.9	2376.0	2507.4	2638.7	2766.0	2892.9	3053.7
10°	1962.2	2070.9	2210.0	2348.6	2491.6	2634.2	2816.1
12.5°	1767.5	1855.6	1990.1	2124.7	2292.8	2460.5	2635.5
15°	1639.0	1735.2	1866.1	1997.0	2180.9	2364.7	2566.0
17.5°	1502.0	1627.7	1795.4	1963.1	2180.9	2398.3	2635.5
20°	1358.5	1514.9	1732.3	1949.7	2243.1	2536.1	2838.7
22.5°	1215.5	1396.5	1675.3	1953.8	2337.2	2720.3	3128.8
25°	1086.6	1295.5	1640.6	1985.3	2474.2	2962.8	3469.5
27.5°	988.8	1216.7	1626.5	2035.8	2648.0	3260.2	3840.0
30°	901.9	1133.9	1609.5	2085.1	2815.3	3545.1	4129.8
32.5°	826.8	1053.1	1576.7	2100.0	2932.1	3764.1	4375.1
35°	767.8	990.0	1521.8	2053.6	3005.2	3956.8	4630.4
37.5°	716.9	926.6	1459.2	1991.7	3070.3	4148.8	4917.7
40°	668.4	858.7	1405.4	1951.7	3160.0	4368.2	5221.2
42.5°	622.3	802.9	1362.2	1921.4	3243.2	4564.6	5486.7
45°	587.9	760.1	1323.8	1887.1	3296.9	4706.8	5686.7
47.5°	571.0	734.6	1303.2	1871.3	3350.7	4829.7	5852.8
50°	568.6	730.2	1326.6	1923.1	3467.1	5010.7	6042.7
52.5°	568.1	737.5	1394.1	2050.7	3683.3	5315.4	6248.4
55°	559.7	741.9	1474.5	2206.7	3973.4	5739.7	6618.1
57.5°	533.8	726.5	1557.4	2387.8	4280.1	6172.0	7034.8
60°	493.8	689.4	1625.6	2561.5	4486.2	6410.4	7195.2
62.5°	443.7	624.3	1648.3	2671.8	4480.5	6289.2	7033.5
65°	400.9	556.0	1573.9	2591.4	4253.8	5915.8	6713.9
67.5°	362.9	487.7	1388.0	2287.9	3846.1	5403.9	6307.4
70°	335.4	442.9	1148.4	1854.0	3335.7	4817.1	5836.6
72.5°	318.0	421.5	936.3	1450.7	2707.0	3962.9	4992.5
75°	294.2	387.9	734.6	1080.9	2071.8	3062.6	3770.9
77.5°	249.7	326.9	553.6	780.3	1520.2	2259.7	2622.5
80°	192.7	252.6	380.7	508.7	1046.2	1583.6	1788.1
82.5°	137.4	176.2	230.7	285.3	695.0	1104.4	1121.3
85°	84.9	102.6	132.1	161.6	459.9	758.1	631.6
87.5°	45.7	54.6	69.9	84.9	147.1	209.3	120.4
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: P320486
 CATALOG NUMBER: GLEON-SA2C-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.

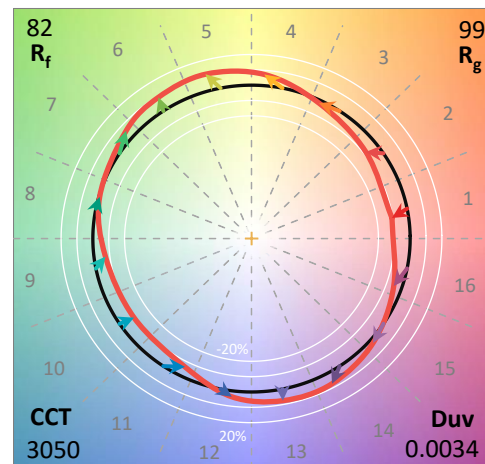
Test Information

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

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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

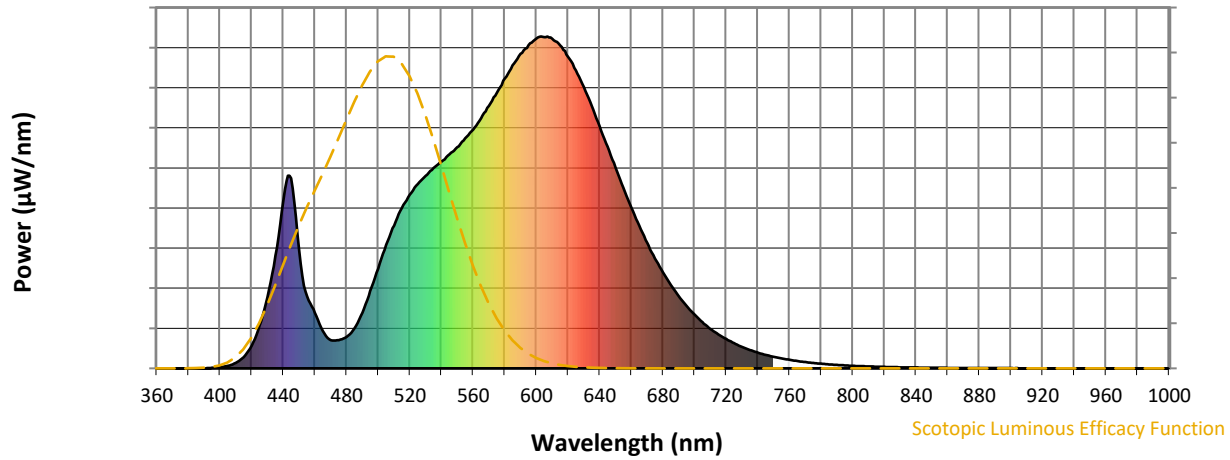


Photopic Lumens: NR

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

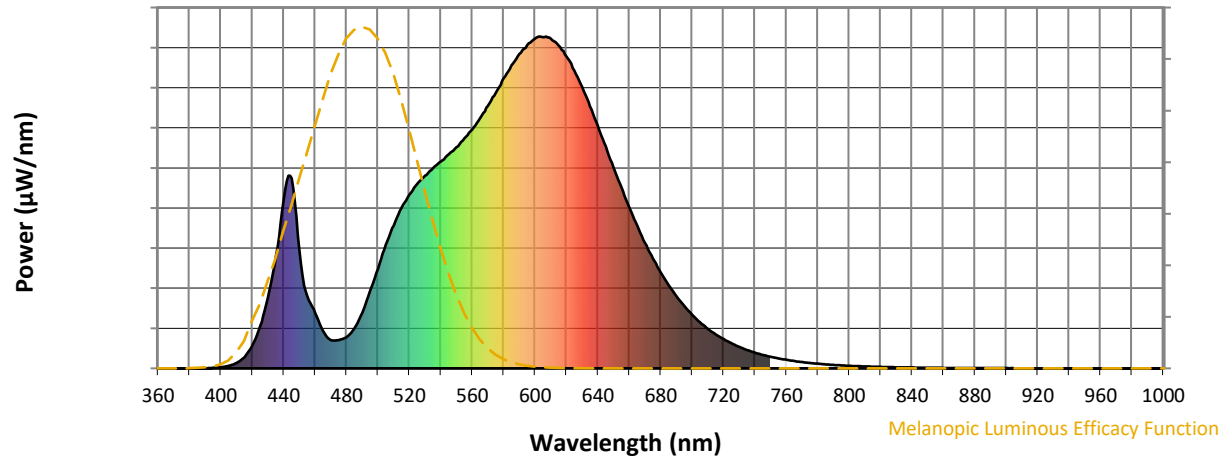


Scotopic Lumens: NR

S/P: 1.27

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

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			

REPORT NUMBER: SP1-2408-195-9

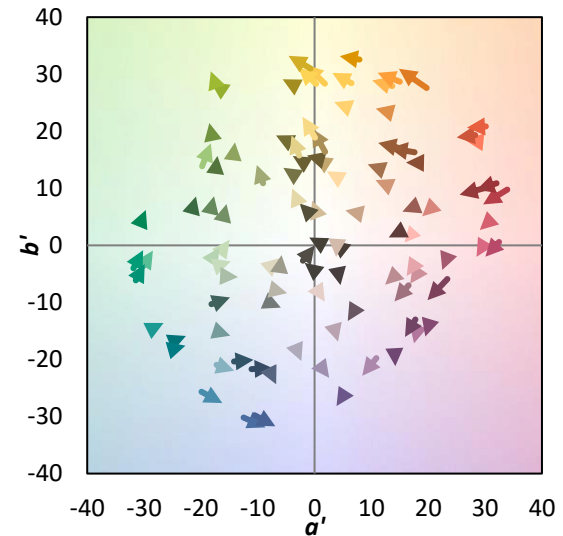
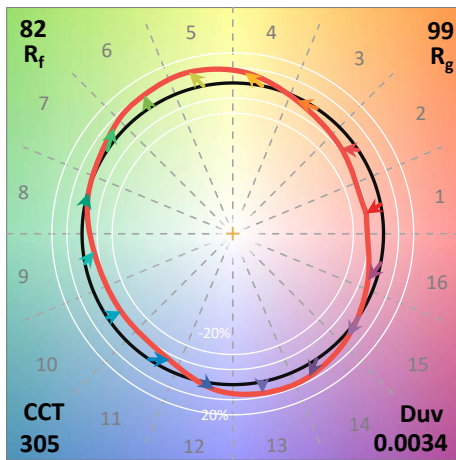
TM-30-18

Summary

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



Color Vector Graphics

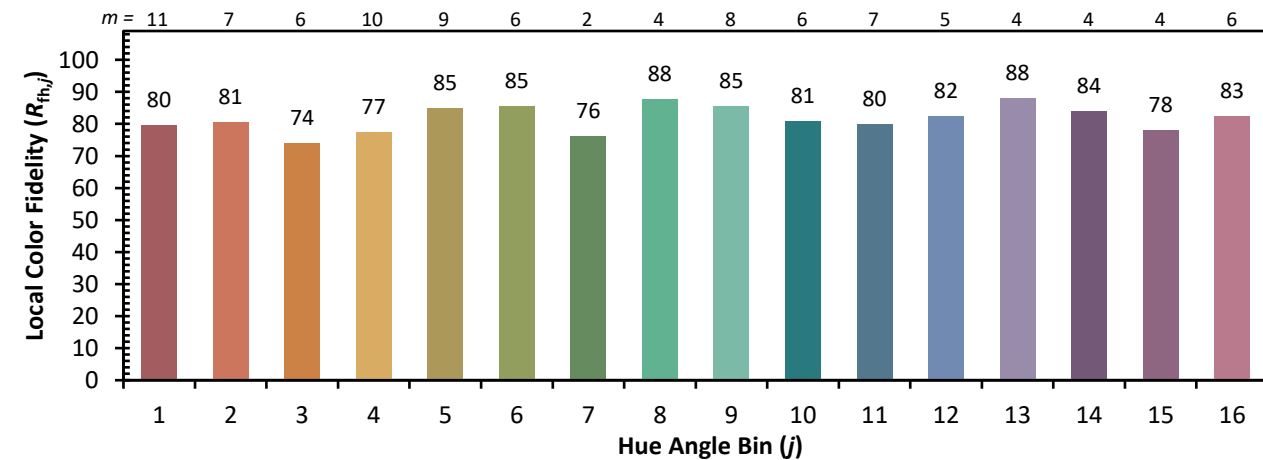


Individual Sample Fidelity Index ($R_{f,i}$)

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)