

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: P320785

Luminaire Tested: **GLEON-SA1A-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320785
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-SA1A-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3408 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

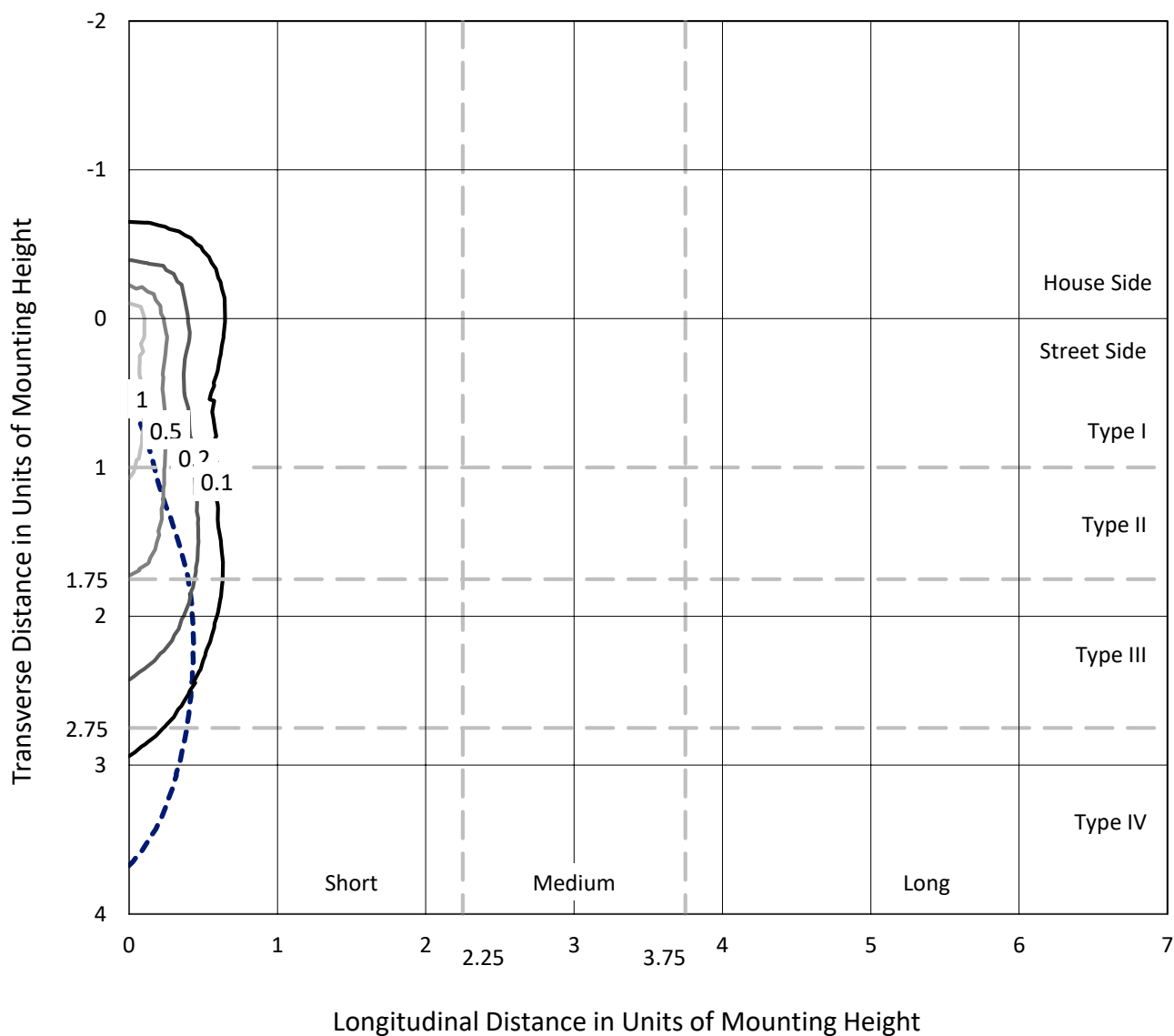
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

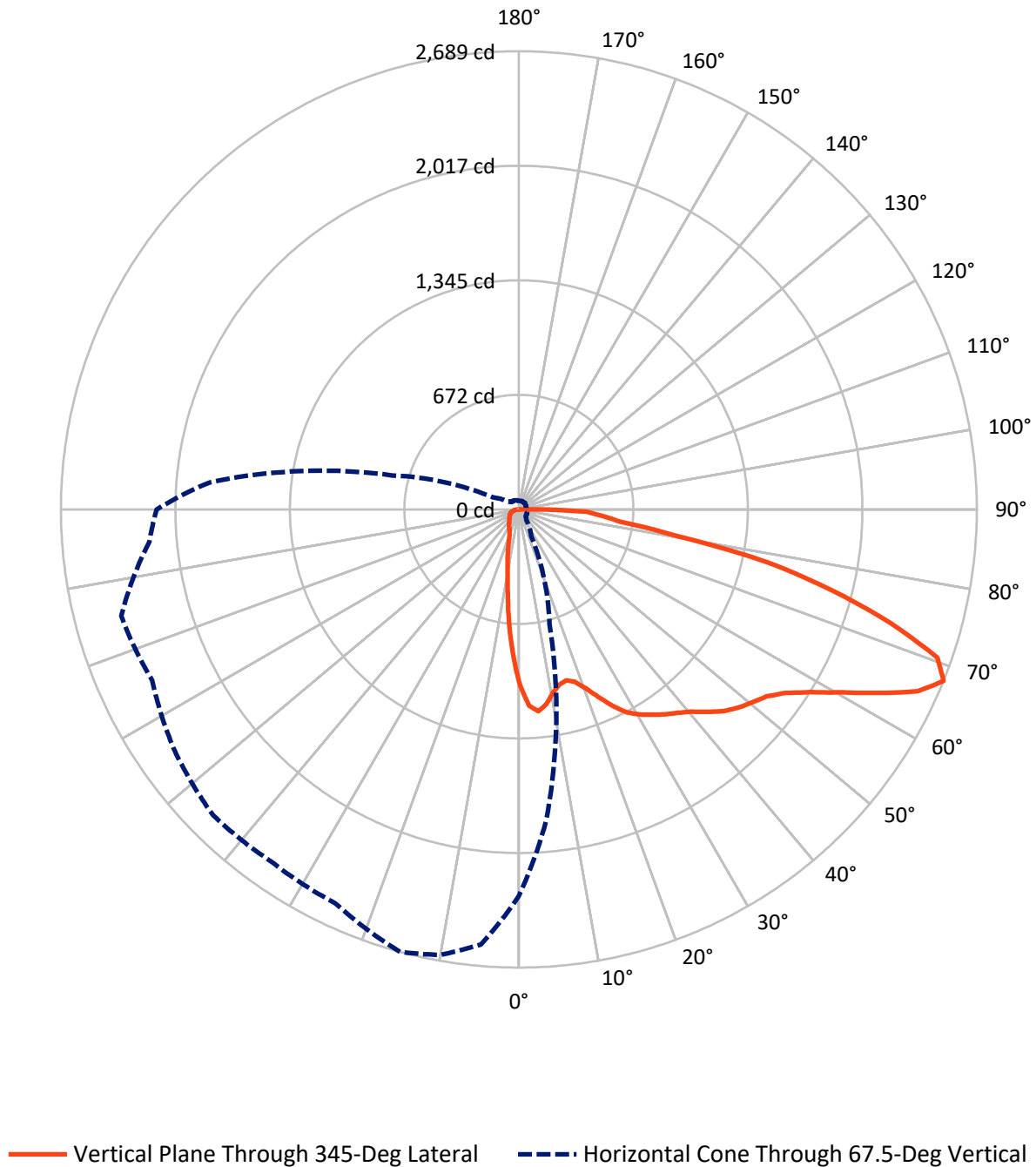
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P320785
CATALOG NUMBER: GLEON-SA1A-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.2	0.0	589.2
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	2818.8	0.0	2818.8
	% Fixture	82.7	0.0	82.7
Total	Lumens	3408.0	0.0	3408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	2.4
10°-20°	166.5	4.9
20°-30°	236.7	6.9
30°-40°	341.2	10.0
40°-50°	480.8	14.1
50°-60°	668.4	19.6
60°-70°	808.3	23.7
70°-80°	496.8	14.6
80°-90°	129.3	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°	3408.0	100.0
0°-180°	3408.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320785

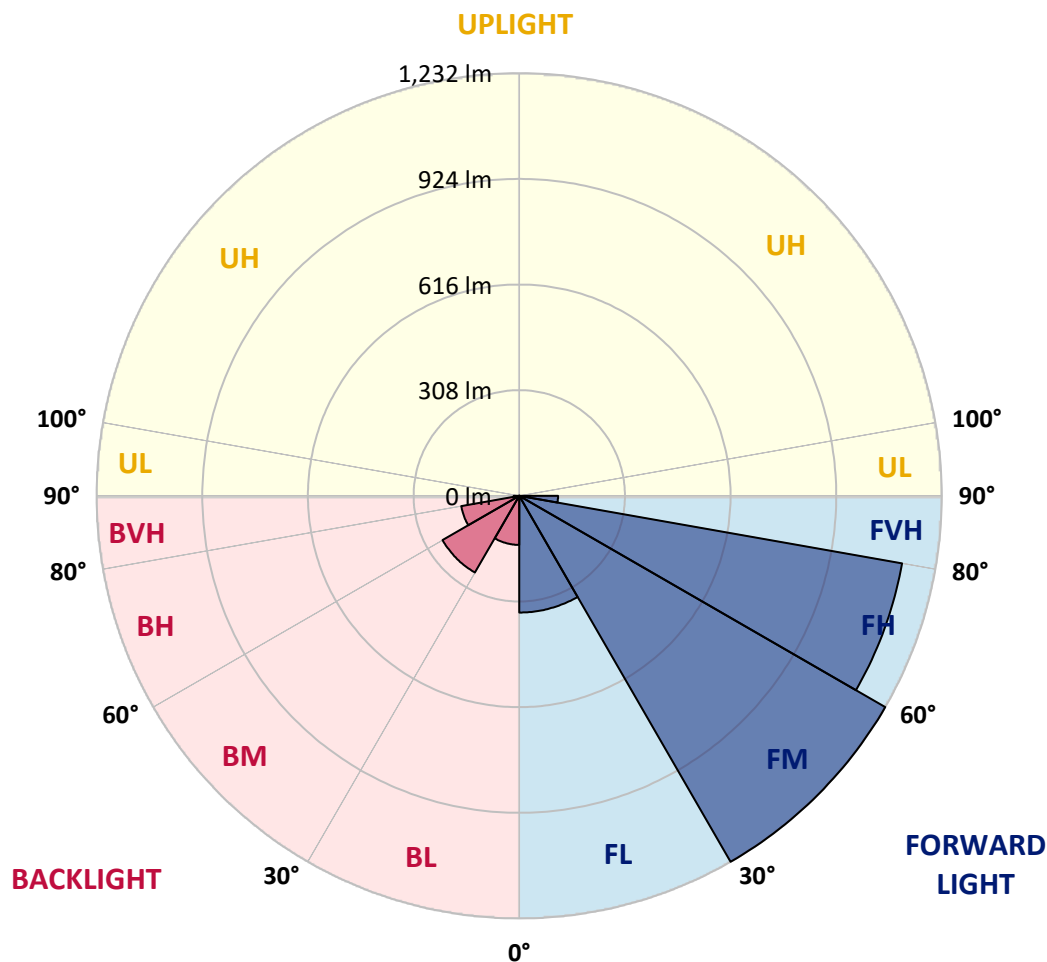
CATALOG NUMBER: GLEON-SA1A-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.3	10.0			
FM	(30°-60°)	1232.1	36.2			
FH	(60°-80°)	1133.4	33.3			G1/1800
FVH	(80°-90°)	113.1	3.3			G2/225
BL	(0°-30°)	143.0	4.2	B1/500		
BM	(30°-60°)	258.2	7.6	B1/1000		
BH	(60°-80°)	171.7	5.0	B1/500		G1/500
BVH	(80°-90°)	16.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1112.3	1102.4	1087.6	1072.7	1061.7	1050.5	1037.9	1025.2	1010.7	996.2	987.6
5°	1093.9	1066.6	1031.2	995.8	972.3	948.9	922.3	895.7	869.4	843.2	829.0
7.5°	1011.0	970.1	924.1	878.0	844.0	809.8	773.0	736.1	703.4	670.5	650.2
10°	929.5	880.5	827.6	774.6	731.0	687.4	650.5	613.4	588.8	564.1	545.4
12.5°	871.1	816.7	758.5	700.2	656.6	613.0	589.6	566.1	545.7	525.3	503.7
15°	847.9	786.5	726.9	667.2	627.6	587.9	561.9	535.8	508.4	480.8	454.4
17.5°	868.4	796.4	731.7	667.0	615.1	563.1	526.8	490.2	454.1	418.0	387.4
20°	932.1	840.3	755.7	670.9	601.8	532.8	484.0	435.1	388.7	342.4	307.7
22.5°	1021.6	900.1	789.6	679.1	589.9	500.5	439.3	378.0	323.2	268.4	234.4
25°	1130.4	979.4	838.5	697.5	584.9	472.3	397.1	321.8	264.1	206.2	181.9
27.5°	1245.0	1074.0	899.3	724.5	585.8	447.1	361.5	275.8	223.7	171.7	155.1
30°	1340.5	1182.0	970.1	758.1	588.9	419.7	328.0	236.3	193.3	150.4	139.7
32.5°	1427.8	1257.4	1023.6	789.6	592.4	395.1	302.1	208.9	173.9	138.7	129.9
35°	1518.0	1324.3	1060.9	797.4	586.3	375.1	284.4	193.6	161.3	128.9	121.4
37.5°	1617.4	1396.6	1096.9	797.0	576.0	354.9	270.6	186.1	153.2	120.0	114.6
40°	1728.1	1476.6	1135.8	795.1	566.6	337.9	260.4	182.7	148.7	114.5	109.8
42.5°	1836.5	1552.9	1172.1	791.2	558.9	326.5	250.3	174.1	144.6	114.9	108.3
45°	1917.8	1619.5	1203.5	787.4	553.2	319.0	242.4	165.8	140.8	115.7	107.4
47.5°	1979.5	1686.4	1238.4	790.3	552.7	315.0	236.8	158.6	133.5	108.3	104.9
50°	2058.0	1766.8	1289.3	811.7	560.1	308.6	230.3	151.8	126.6	101.4	106.0
52.5°	2155.7	1881.6	1368.0	854.3	575.8	297.3	219.9	142.5	118.1	93.6	100.8
55°	2299.2	2028.6	1468.7	908.7	594.8	280.7	204.2	127.7	107.0	86.1	92.5
57.5°	2427.9	2177.1	1565.3	953.4	606.6	259.7	184.5	109.3	94.4	79.6	83.3
60°	2485.3	2253.7	1610.5	967.3	599.5	231.8	162.3	92.7	83.4	74.1	73.4
62.5°	2463.0	2205.0	1566.0	926.9	564.9	202.9	142.7	82.4	75.5	68.4	66.9
65°	2397.6	2052.2	1441.2	830.2	506.5	182.7	130.3	77.8	70.0	62.3	60.6
67.5°	2268.7	1834.6	1264.3	694.1	432.2	170.3	123.2	76.0	66.6	57.1	55.2
70°	2037.3	1572.7	1060.6	548.4	355.6	162.7	118.5	74.4	63.0	51.4	49.6
72.5°	1673.4	1260.9	847.0	432.9	297.3	161.7	118.0	74.3	60.0	45.6	44.0
75°	1198.1	957.7	646.5	335.2	243.5	151.8	112.0	72.2	55.9	39.4	37.9
77.5°	806.2	662.9	449.4	235.7	180.7	125.6	94.2	62.7	47.8	33.0	31.5
80°	517.8	458.8	301.1	143.5	117.2	90.9	67.3	43.7	34.9	25.9	24.7
82.5°	379.9	341.5	209.3	77.1	65.1	53.0	41.1	29.3	23.8	18.4	17.8
85°	241.4	266.2	154.1	42.0	34.3	26.7	22.1	17.4	13.8	10.1	10.1
87.5°	46.9	64.9	42.6	20.3	14.9	9.4	8.0	6.5	3.7	0.7	0.8
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

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



REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	978.9	969.5	960.1	949.4	938.7	928.7	918.6	907.6	909.6	901.2	892.7
5°	814.8	799.8	784.7	771.6	758.5	747.2	735.8	725.6	734.4	728.4	722.4
7.5°	629.8	611.2	592.6	576.9	561.2	549.1	536.8	528.4	537.1	536.0	534.9
10°	526.8	508.8	490.7	473.4	456.0	441.3	426.5	413.9	411.8	405.5	399.1
12.5°	482.1	457.4	432.6	414.5	396.4	378.8	361.2	346.5	339.8	329.5	319.0
15°	428.0	398.8	369.7	349.1	328.4	311.3	294.2	281.5	277.3	269.2	261.2
17.5°	356.7	324.8	293.0	272.1	251.1	237.5	223.7	215.3	215.3	213.0	210.7
20°	272.9	244.4	216.0	200.0	184.1	176.9	169.5	166.0	167.0	167.2	167.2
22.5°	200.2	182.7	165.3	158.9	152.3	149.7	147.2	145.7	146.2	146.3	146.5
25°	157.6	151.0	144.2	140.9	137.5	135.8	134.2	133.7	134.9	135.0	135.0
27.5°	138.4	134.3	130.1	128.1	125.9	125.2	124.5	123.6	124.8	124.8	124.7
30°	128.8	124.4	120.0	117.5	114.9	115.1	115.3	115.0	115.8	116.4	116.8
32.5°	120.9	116.6	112.4	109.8	107.1	106.7	106.3	106.0	107.8	108.7	109.7
35°	113.8	109.1	104.5	102.1	99.6	98.6	97.7	97.0	98.6	99.9	101.1
37.5°	109.0	104.2	99.3	97.0	94.6	93.3	92.1	91.3	92.0	92.5	93.1
40°	105.2	100.3	95.2	92.5	89.8	88.6	87.3	86.7	87.1	87.2	87.3
42.5°	101.6	96.9	92.1	89.1	86.0	84.5	83.0	82.2	82.4	82.7	82.8
45°	99.1	94.3	89.4	85.8	82.2	80.5	78.9	77.9	78.1	78.1	78.1
47.5°	101.5	94.6	87.5	83.4	79.2	77.3	75.3	74.4	74.1	73.9	73.6
50°	110.5	98.6	86.7	81.5	76.2	74.1	71.9	70.9	70.2	69.9	69.6
52.5°	107.9	97.7	87.3	80.7	73.9	71.4	68.9	67.2	66.5	66.1	65.7
55°	98.8	92.4	85.8	77.8	69.8	67.6	65.3	64.0	62.8	62.5	62.3
57.5°	86.8	84.2	81.6	73.4	65.3	63.2	61.0	60.2	59.1	59.1	59.0
60°	72.6	76.4	80.3	70.9	61.3	59.0	56.7	56.0	55.6	55.5	55.3
62.5°	65.3	71.5	77.7	67.7	57.6	55.2	52.7	51.9	51.8	51.9	51.9
65°	59.0	60.9	62.8	58.2	53.5	51.1	48.5	47.7	48.0	48.4	48.8
67.5°	53.3	52.9	52.5	50.8	49.1	47.0	44.8	44.0	44.1	44.7	45.2
70°	47.8	47.3	46.6	45.4	44.1	42.4	40.6	40.1	39.9	40.6	41.1
72.5°	42.4	41.7	40.9	39.9	38.8	37.3	35.8	35.4	35.6	36.0	36.4
75°	36.4	35.8	35.2	34.3	33.4	32.0	30.7	30.4	30.7	31.1	31.5
77.5°	29.8	29.7	29.4	28.8	28.1	26.6	24.9	24.8	25.2	25.6	25.9
80°	23.3	23.4	23.6	23.0	22.5	20.8	19.1	18.9	19.3	19.8	20.2
82.5°	17.2	17.6	17.8	17.2	16.5	14.6	12.7	12.4	13.8	14.2	14.6
85°	9.9	10.5	11.0	10.5	9.9	8.0	6.1	6.0	7.2	7.9	8.6
87.5°	0.8	1.1	1.4	1.2	1.1	0.5	0.0	0.0	0.1	0.7	1.2
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	887.4	882.1	880.5	878.9	872.9	866.7	873.0	879.1	881.7	884.3	877.6
5°	721.6	720.7	720.7	720.5	715.1	709.5	713.7	717.8	708.7	699.5	698.6
7.5°	540.8	546.7	551.4	556.1	554.3	552.5	556.5	560.4	548.8	537.1	531.4
10°	400.5	401.7	406.9	412.0	413.3	414.4	419.3	424.0	415.0	406.0	402.1
12.5°	312.4	305.9	306.6	307.1	309.6	311.9	317.1	322.1	318.4	314.6	315.0
15°	253.0	244.7	241.3	237.8	240.5	243.2	246.9	250.4	250.6	250.6	254.1
17.5°	206.6	202.3	198.9	195.4	199.1	202.6	203.0	203.4	203.6	203.7	203.4
20°	169.2	171.3	170.2	169.1	170.5	171.7	172.8	173.7	172.5	171.1	167.7
22.5°	148.4	150.2	151.5	152.7	155.1	157.2	156.1	154.9	152.5	149.9	147.3
25°	136.3	137.5	138.8	140.2	142.1	143.9	142.0	140.1	138.3	136.5	134.8
27.5°	126.0	127.3	128.5	129.6	131.4	133.0	131.2	129.4	127.9	126.4	125.1
30°	117.7	118.5	119.5	120.5	122.1	123.6	122.1	120.5	119.4	118.1	117.2
32.5°	110.6	111.5	111.9	112.3	113.8	115.3	114.2	113.1	112.1	111.2	110.5
35°	102.9	104.5	104.8	105.1	106.6	108.1	107.4	106.6	105.5	104.4	103.1
37.5°	95.0	96.9	98.0	98.9	100.4	101.9	101.2	100.6	99.1	97.6	95.4
40°	88.3	89.1	91.2	93.1	95.5	97.8	96.5	95.0	92.7	90.3	89.2
42.5°	82.7	82.6	84.5	86.4	90.1	93.6	91.2	88.7	86.5	84.3	84.1
45°	77.8	77.4	78.3	79.3	83.3	87.1	84.6	82.0	80.8	79.6	79.6
47.5°	73.4	73.2	73.9	74.4	76.8	79.2	77.9	76.7	76.0	75.3	75.5
50°	69.5	69.2	69.9	70.4	71.4	72.2	72.5	72.6	72.2	71.8	72.1
52.5°	65.8	65.8	66.1	66.2	67.4	68.7	68.7	68.5	68.5	68.5	68.8
55°	62.7	63.0	63.0	63.0	64.9	66.6	66.1	65.5	65.7	65.7	65.9
57.5°	59.5	60.0	60.2	60.5	62.4	64.3	63.8	63.2	63.2	63.2	63.4
60°	56.0	56.5	57.1	57.6	59.5	61.5	60.9	60.2	60.4	60.5	60.6
62.5°	52.6	53.1	53.7	54.2	56.1	58.0	57.5	56.8	57.2	57.5	57.5
65°	49.3	49.7	50.3	50.8	52.6	54.4	53.8	53.3	53.8	54.2	54.5
67.5°	45.6	45.9	46.5	47.0	48.8	50.6	50.0	49.3	50.0	50.6	51.1
70°	41.4	41.7	42.4	42.9	44.7	46.5	45.8	45.1	45.8	46.5	47.0
72.5°	36.8	37.1	37.7	38.3	40.3	42.4	41.6	40.7	41.6	42.4	42.6
75°	31.7	32.0	32.8	33.5	35.6	37.6	36.9	36.1	36.8	37.5	37.6
77.5°	26.3	26.7	27.8	28.9	30.5	32.2	31.7	31.3	31.7	32.2	32.2
80°	20.6	21.0	22.3	23.6	24.5	25.5	25.6	25.8	25.9	26.0	25.9
82.5°	15.3	15.8	17.0	18.3	18.3	18.3	19.3	20.3	20.3	20.2	20.0
85°	9.4	10.1	11.2	12.3	11.6	10.9	12.7	14.3	14.3	14.2	13.9
87.5°	1.9	2.6	3.7	4.6	4.0	3.3	5.0	6.8	6.9	6.9	6.7
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: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	870.8	881.4	891.9	894.7	898.7	900.5	902.2	915.5	928.7	944.3	959.8
5°	697.5	705.4	713.3	714.5	718.8	720.9	723.1	739.3	755.4	777.1	798.7
7.5°	525.7	527.6	529.5	529.2	532.8	537.5	542.2	559.5	576.6	599.9	623.1
10°	398.1	402.5	406.7	410.7	418.4	427.4	436.3	454.0	471.7	494.7	517.6
12.5°	315.4	320.5	325.4	329.7	338.7	350.7	362.6	383.8	405.1	432.6	460.0
15°	257.5	257.1	256.7	259.7	267.6	280.7	293.6	316.1	338.6	368.8	399.0
17.5°	203.2	201.1	199.1	201.4	208.7	219.5	230.1	249.2	268.2	297.4	326.7
20°	164.3	163.0	161.6	163.8	168.4	172.9	177.4	191.2	204.8	228.6	252.3
22.5°	144.6	144.4	144.2	145.4	147.6	149.9	152.1	158.7	165.3	180.7	195.9
25°	133.0	132.8	132.7	133.3	135.0	136.8	138.6	142.9	147.3	154.7	162.0
27.5°	123.7	123.4	123.2	123.3	123.7	126.4	129.0	131.1	133.0	138.0	142.9
30°	116.2	116.1	116.0	116.0	115.5	116.5	117.5	120.6	123.6	128.8	133.9
32.5°	109.8	109.1	108.5	107.0	106.0	107.4	108.7	112.0	115.3	120.0	124.8
35°	101.8	100.0	98.1	97.3	97.4	98.8	100.1	103.4	106.6	111.7	116.8
37.5°	93.1	92.5	91.8	91.7	92.1	93.5	94.8	97.7	100.4	105.6	110.6
40°	88.2	87.9	87.6	87.3	87.6	89.0	90.3	93.1	95.7	100.7	105.6
42.5°	83.8	83.7	83.5	83.5	83.7	85.2	86.7	89.4	92.0	96.5	101.0
45°	79.6	79.7	79.7	80.0	80.4	81.9	83.3	86.3	89.2	93.6	98.0
47.5°	75.6	76.0	76.3	77.0	77.4	79.0	80.5	83.8	87.1	92.5	97.8
50°	72.2	72.6	72.9	73.4	74.5	76.4	78.3	82.3	86.1	95.2	104.2
52.5°	69.1	69.5	69.9	70.4	71.8	74.0	76.2	81.1	85.8	96.5	107.1
55°	66.2	66.6	66.9	67.7	69.1	71.0	72.8	78.8	84.8	92.5	100.3
57.5°	63.5	63.9	64.2	64.7	65.4	67.4	69.4	75.8	82.2	87.6	92.9
60°	60.6	60.9	61.0	61.0	61.6	63.9	66.2	74.4	82.4	81.5	80.4
62.5°	57.5	57.8	57.9	57.5	58.2	60.6	63.1	73.7	84.3	77.8	71.3
65°	54.6	54.5	54.4	54.0	54.8	57.2	59.5	64.9	70.2	67.6	65.0
67.5°	51.5	51.1	50.7	50.1	51.0	53.1	55.2	57.0	58.7	59.0	59.3
70°	47.6	47.0	46.5	46.3	46.7	48.5	50.3	51.5	52.6	53.1	53.5
72.5°	42.9	42.5	42.1	41.8	42.0	43.5	44.8	45.9	47.0	47.4	47.7
75°	37.7	37.7	37.6	36.8	36.8	38.0	39.1	40.1	41.0	41.6	42.1
77.5°	32.2	32.3	32.3	31.2	31.1	32.3	33.4	34.2	34.9	35.4	35.8
80°	25.8	25.5	25.2	24.5	24.3	25.8	27.1	27.8	28.3	28.5	28.5
82.5°	19.8	19.2	18.5	17.0	17.2	18.8	20.3	20.8	21.4	21.4	21.4
85°	13.5	12.4	11.2	9.9	10.1	11.9	13.5	14.0	14.6	14.9	15.0
87.5°	6.4	5.3	4.1	3.1	3.1	4.6	6.0	6.3	6.5	7.1	7.6
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	971.6	983.4	995.5	1007.6	1021.5	1035.4	1051.6	1067.7	1081.5	1095.2	1106.7
5°	817.4	836.1	858.0	879.9	907.9	935.8	970.0	1004.1	1034.5	1064.8	1100.1
7.5°	647.5	671.7	700.4	729.0	765.1	801.2	845.5	889.8	932.7	975.5	1029.7
10°	543.1	568.6	596.8	624.9	661.7	698.3	745.2	791.9	840.2	888.3	949.6
12.5°	488.3	516.5	541.3	566.1	596.0	625.7	671.1	716.4	773.1	829.7	888.7
15°	429.9	460.7	490.4	520.1	552.7	585.1	629.2	673.4	735.4	797.4	865.2
17.5°	359.2	391.6	427.8	464.0	506.5	548.8	605.4	661.9	735.4	808.7	888.7
20°	285.5	318.6	361.9	405.2	458.1	510.8	584.1	657.4	756.4	855.1	957.2
22.5°	225.2	254.4	301.7	348.8	409.9	470.9	564.9	658.8	788.1	917.3	1055.0
25°	182.6	203.2	249.6	295.9	366.4	436.8	553.2	669.4	834.3	999.0	1169.9
27.5°	156.4	169.9	213.2	256.4	333.4	410.3	548.4	686.5	892.9	1099.3	1294.8
30°	143.3	152.7	189.4	225.9	304.1	382.3	542.7	703.1	949.3	1195.4	1392.5
32.5°	132.4	139.9	171.3	202.5	278.8	355.1	531.7	708.1	988.7	1269.2	1475.2
35°	123.2	129.4	156.7	183.9	258.9	333.8	513.1	692.5	1013.3	1334.2	1561.4
37.5°	115.7	120.6	145.8	171.0	241.7	312.4	492.0	671.6	1035.3	1398.9	1658.2
40°	109.8	114.0	137.6	161.2	225.4	289.5	473.9	658.1	1065.5	1472.9	1760.6
42.5°	106.6	112.0	130.5	148.9	209.8	270.7	459.3	647.9	1093.6	1539.1	1850.1
45°	105.7	113.5	126.9	140.2	198.3	256.3	446.4	636.3	1111.7	1587.1	1917.5
47.5°	104.4	110.8	124.0	137.2	192.5	247.7	439.4	631.0	1129.8	1628.5	1973.5
50°	105.2	106.0	121.7	137.2	191.7	246.2	447.3	648.4	1169.1	1689.6	2037.6
52.5°	103.7	100.1	117.3	134.5	191.6	248.7	470.1	691.5	1242.0	1792.3	2106.9
55°	95.8	91.2	109.1	127.1	188.7	250.2	497.2	744.1	1339.8	1935.4	2231.6
57.5°	88.8	84.6	99.9	115.0	180.0	245.0	525.1	805.1	1443.2	2081.2	2372.1
60°	79.6	78.6	89.5	100.4	166.5	232.5	548.2	863.7	1512.7	2161.6	2426.2
62.5°	71.9	72.5	80.5	88.6	149.6	210.5	555.8	900.9	1510.8	2120.7	2371.7
65°	66.1	67.0	74.9	82.8	135.2	187.5	530.7	873.8	1434.4	1994.8	2263.9
67.5°	60.4	61.5	70.9	80.1	122.4	164.5	468.0	771.5	1296.9	1822.2	2126.8
70°	54.9	56.3	66.5	76.7	113.1	149.3	387.2	625.1	1124.8	1624.3	1968.1
72.5°	49.1	50.4	61.3	72.2	107.2	142.1	315.7	489.2	912.8	1336.3	1683.4
75°	43.1	44.0	55.9	67.6	99.2	130.8	247.7	364.5	698.6	1032.7	1271.5
77.5°	37.1	38.3	48.2	58.0	84.2	110.2	186.7	263.1	512.6	761.9	884.3
80°	29.6	30.7	37.7	44.7	65.0	85.2	128.4	171.5	352.8	534.0	602.9
82.5°	22.6	23.8	28.6	33.2	46.3	59.4	77.8	96.2	234.4	372.4	378.1
85°	15.5	15.9	19.3	22.6	28.6	34.6	44.6	54.5	155.1	255.6	213.0
87.5°	7.8	7.8	10.1	12.4	15.4	18.4	23.6	28.6	49.6	70.6	40.6
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1121.3	1131.2	1141.3	1148.9	1156.7	1167.9	1179.0	1181.1	1183.2	1178.9	1174.5
5°	1135.7	1165.8	1196.1	1224.0	1251.9	1268.7	1285.4	1288.8	1292.3	1281.8	1271.1
7.5°	1082.1	1134.6	1187.1	1235.2	1283.3	1312.4	1341.7	1348.3	1354.9	1337.8	1320.6
10°	1010.6	1075.1	1139.5	1202.9	1266.2	1308.6	1351.0	1359.4	1367.9	1346.5	1325.1
12.5°	955.3	1024.1	1092.9	1159.7	1226.6	1270.5	1314.3	1324.8	1335.3	1319.8	1304.1
15°	938.3	1003.0	1067.7	1125.9	1184.2	1220.0	1256.0	1260.2	1264.6	1262.1	1259.7
17.5°	969.2	1027.6	1086.2	1117.8	1149.6	1163.9	1178.3	1183.0	1187.7	1193.9	1200.1
20°	1044.1	1085.3	1126.6	1125.2	1123.7	1116.8	1109.7	1108.4	1107.2	1124.8	1142.5
22.5°	1156.0	1172.3	1188.8	1150.5	1112.3	1089.0	1065.5	1060.9	1056.1	1074.8	1093.6
25°	1277.4	1274.4	1271.3	1198.4	1125.3	1080.9	1036.5	1031.3	1026.1	1042.1	1058.2
27.5°	1397.6	1378.0	1358.3	1259.3	1160.2	1095.8	1031.3	1026.1	1021.0	1035.1	1049.3
30°	1485.7	1454.3	1422.8	1310.6	1198.5	1121.9	1045.4	1036.9	1028.3	1045.8	1063.2
32.5°	1554.5	1512.3	1470.1	1352.3	1234.6	1151.8	1068.9	1055.7	1042.5	1065.8	1089.1
35°	1623.2	1563.8	1504.3	1389.5	1274.7	1187.1	1099.3	1083.1	1066.9	1098.9	1130.9
37.5°	1709.6	1624.3	1538.9	1431.4	1323.9	1239.9	1155.9	1139.2	1122.6	1163.4	1204.2
40°	1803.3	1689.6	1575.8	1477.2	1378.5	1313.1	1247.6	1231.8	1215.8	1265.4	1315.0
42.5°	1881.3	1750.3	1619.4	1532.3	1445.1	1399.1	1352.9	1352.7	1352.5	1402.8	1453.0
45°	1944.6	1801.0	1657.3	1586.2	1514.9	1490.9	1466.9	1486.1	1505.4	1550.7	1596.2
47.5°	1991.9	1843.5	1695.0	1647.7	1600.5	1604.0	1607.5	1646.7	1685.8	1714.9	1744.2
50°	2022.7	1882.1	1741.4	1726.8	1712.2	1743.9	1775.8	1820.7	1865.6	1885.5	1905.4
52.5°	2067.5	1934.4	1801.2	1817.5	1833.9	1898.7	1963.6	2009.0	2054.3	2061.7	2069.2
55°	2171.2	2030.6	1889.9	1921.2	1952.7	2047.8	2143.0	2178.5	2213.9	2216.6	2219.3
57.5°	2318.5	2165.4	2012.2	2046.0	2079.8	2189.6	2299.6	2337.7	2376.0	2370.7	2365.3
60°	2428.8	2293.3	2157.8	2191.8	2225.9	2333.0	2440.1	2483.9	2528.0	2516.2	2504.5
62.5°	2435.6	2363.2	2290.7	2321.5	2352.5	2457.4	2562.3	2607.4	2652.5	2632.1	2611.6
65°	2327.3	2359.7	2392.1	2402.3	2412.5	2510.4	2608.3	2642.8	2677.4	2667.1	2656.7
67.5°	2178.1	2297.5	2417.2	2396.6	2376.0	2422.0	2467.9	2503.4	2539.0	2533.1	2527.1
70°	2029.1	2188.7	2348.2	2247.1	2145.9	2127.0	2108.0	2146.3	2184.7	2161.0	2137.2
72.5°	1775.6	1945.6	2115.8	1929.5	1743.3	1678.5	1613.8	1662.5	1711.1	1673.4	1635.5
75°	1393.8	1581.7	1769.7	1547.5	1325.2	1238.8	1152.5	1194.3	1236.1	1210.2	1184.2
77.5°	1037.6	1222.8	1407.9	1182.0	956.0	891.8	827.5	839.9	852.4	848.1	843.6
80°	703.8	832.8	962.0	811.5	661.1	666.0	671.1	665.2	659.2	667.9	676.6
82.5°	449.1	548.7	648.4	568.6	488.8	534.5	580.3	557.8	535.2	543.5	552.0
85°	256.3	353.7	451.3	420.6	389.8	416.5	443.4	408.5	373.6	388.9	404.3
87.5°	67.6	195.7	323.9	294.0	264.2	229.6	195.0	148.8	102.6	149.9	197.2
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P320785

CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1172.2	1169.9	1161.6	1153.1	1140.6	1130.2	1112.3
5°	1256.4	1241.7	1216.4	1190.9	1162.5	1130.0	1093.9
7.5°	1286.3	1251.8	1203.1	1154.4	1110.5	1059.0	1011.0
10°	1273.6	1221.9	1158.7	1095.4	1042.1	982.8	929.5
12.5°	1249.3	1194.4	1124.8	1055.0	994.4	930.8	871.1
15°	1215.9	1172.1	1106.8	1041.5	980.5	918.6	847.9
17.5°	1179.4	1158.6	1111.4	1064.2	1011.3	951.3	868.4
20°	1150.0	1157.6	1138.8	1120.0	1077.6	1025.3	932.1
22.5°	1130.1	1166.8	1181.2	1195.8	1170.3	1129.4	1021.6
25°	1118.9	1179.7	1228.1	1276.6	1265.3	1233.8	1130.4
27.5°	1123.8	1198.4	1273.4	1348.7	1359.2	1350.4	1245.0
30°	1138.6	1214.0	1305.5	1397.0	1438.9	1450.6	1340.5
32.5°	1163.1	1237.1	1336.7	1436.4	1499.6	1537.0	1427.8
35°	1200.1	1269.4	1373.2	1477.0	1558.8	1626.9	1518.0
37.5°	1263.8	1323.3	1419.1	1515.0	1621.0	1723.4	1617.4
40°	1357.0	1399.1	1480.0	1561.1	1694.5	1832.6	1728.1
42.5°	1474.6	1496.2	1560.4	1624.6	1771.2	1931.8	1836.5
45°	1602.0	1607.7	1648.0	1688.5	1832.0	1999.4	1917.8
47.5°	1724.6	1705.0	1721.0	1737.1	1878.6	2047.7	1979.5
50°	1850.8	1796.1	1787.7	1779.2	1925.2	2104.5	2058.0
52.5°	1979.1	1889.1	1855.7	1822.2	1980.8	2179.8	2155.7
55°	2104.7	1990.2	1945.2	1900.2	2065.8	2271.8	2299.2
57.5°	2235.4	2105.6	2063.9	2022.2	2190.7	2388.3	2427.9
60°	2376.0	2247.4	2214.0	2180.5	2346.1	2514.2	2485.3
62.5°	2509.4	2407.2	2389.7	2371.9	2503.2	2610.9	2463.0
65°	2598.5	2540.2	2556.6	2573.1	2622.0	2635.1	2397.6
67.5°	2539.0	2550.8	2619.9	2689.1	2655.5	2563.4	2268.7
70°	2208.2	2279.3	2442.9	2606.7	2532.0	2371.4	2037.3
72.5°	1715.3	1795.3	2038.3	2281.3	2212.5	2015.8	1673.4
75°	1274.4	1364.7	1632.9	1901.0	1805.5	1507.8	1198.1
77.5°	904.1	964.6	1229.3	1494.2	1338.4	1003.7	806.2
80°	658.1	639.6	787.2	934.7	908.8	663.8	517.8
82.5°	506.7	461.5	531.0	600.5	596.7	460.7	379.9
85°	386.1	368.0	429.5	490.9	438.3	312.0	241.4
87.5°	225.1	253.2	325.5	398.0	298.7	94.7	46.9
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: P320785
 CATALOG NUMBER: GLEON-SA1A-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

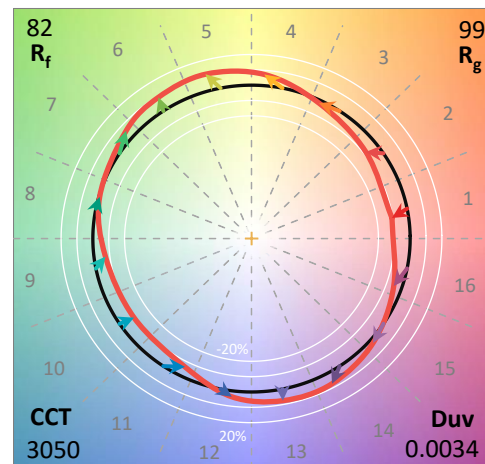
Test Information

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

Spectral Parameters

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

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



Test Conditions

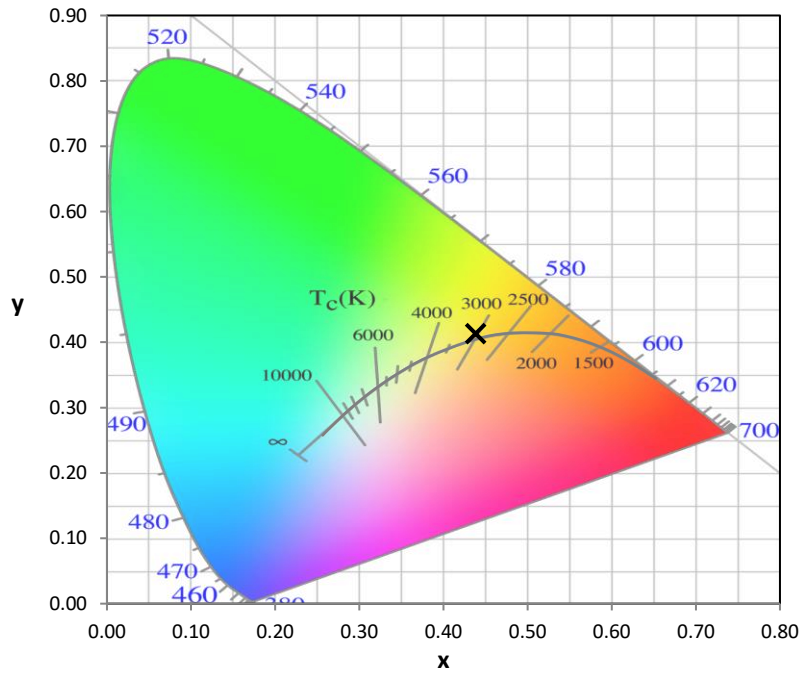
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^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

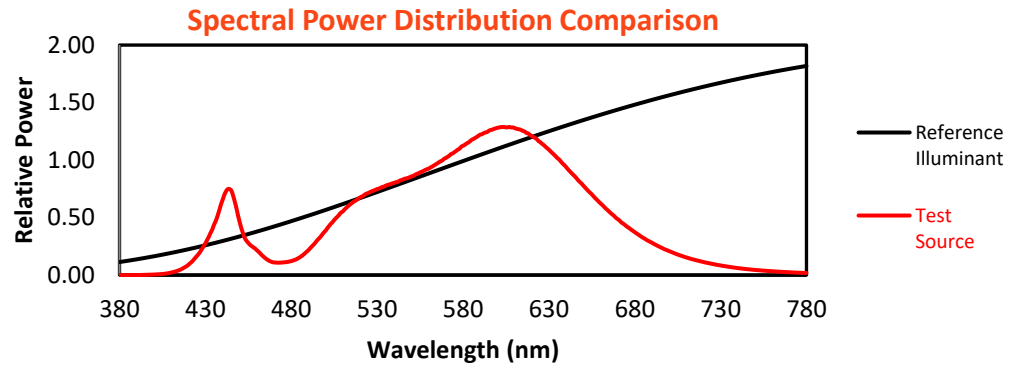
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940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

REPORT NUMBER: SP1-2408-195-9

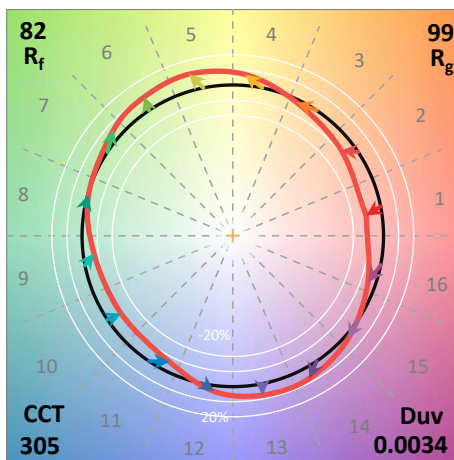
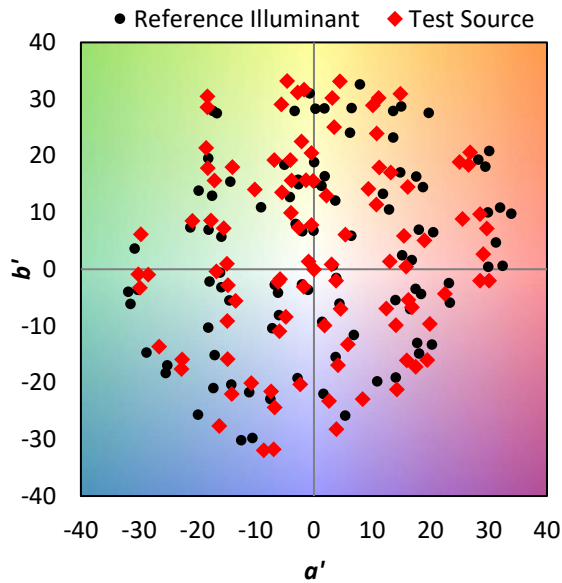
TM-30-18

Summary

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

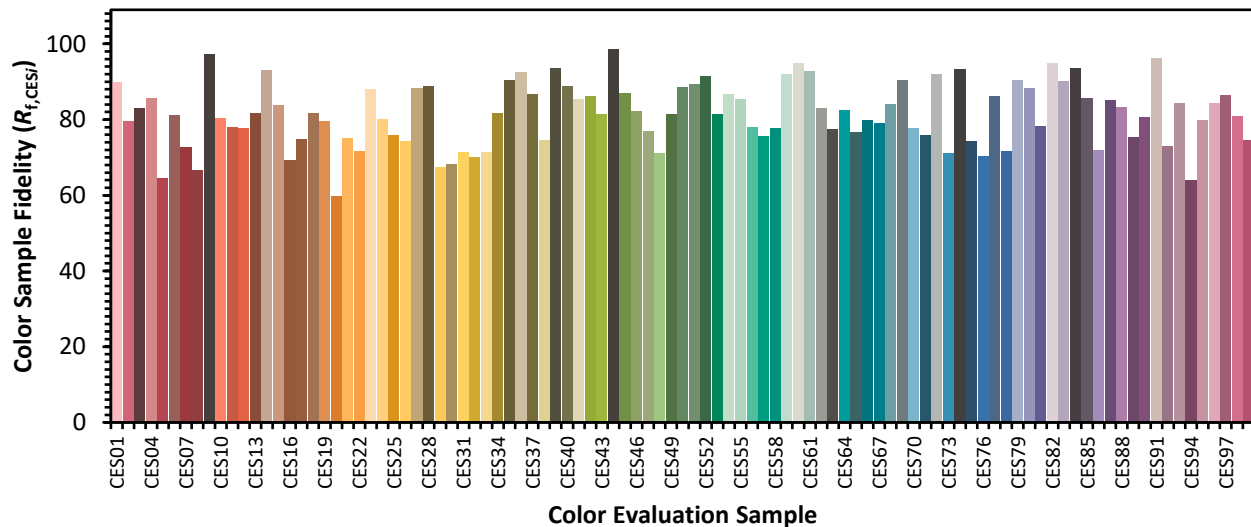


Color Vector Graphics

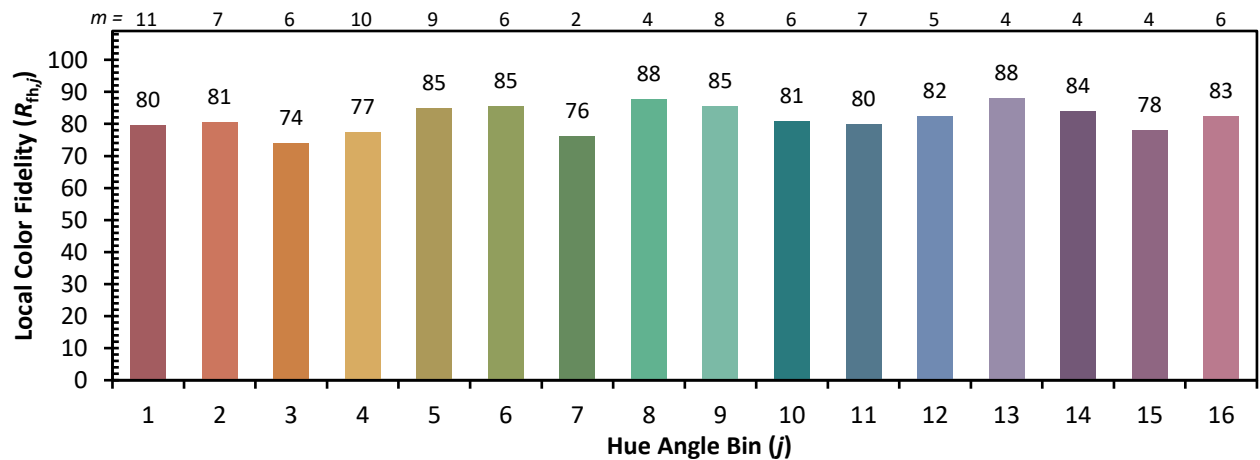
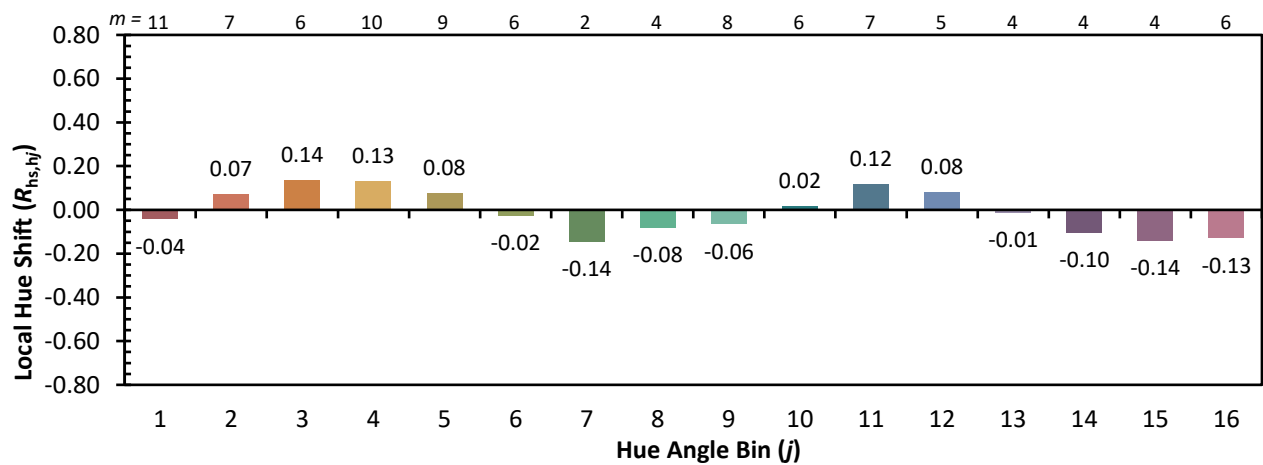
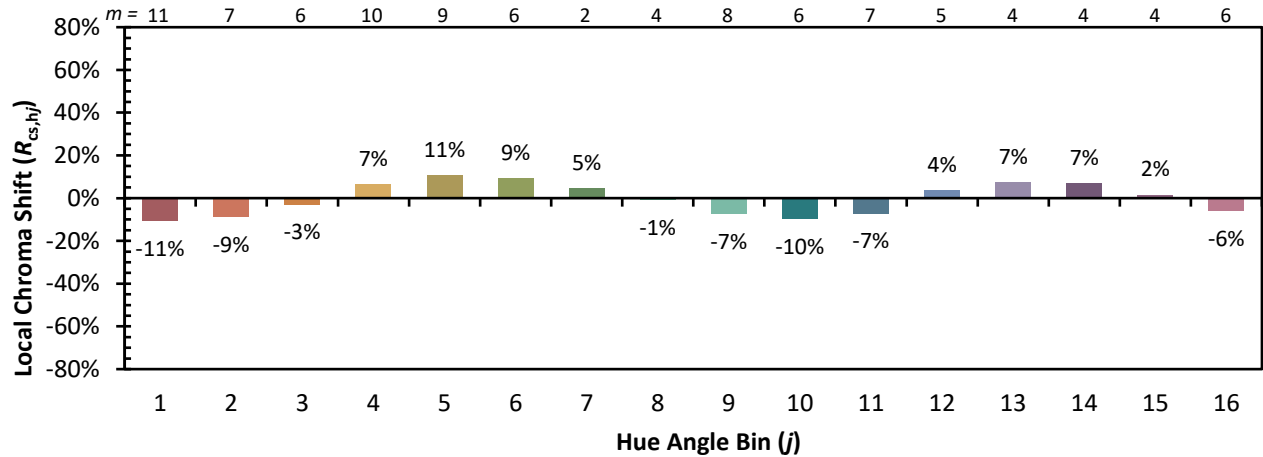


Individual Sample Fidelity Index ($R_{f,i}$)

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)