

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: P320820

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

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

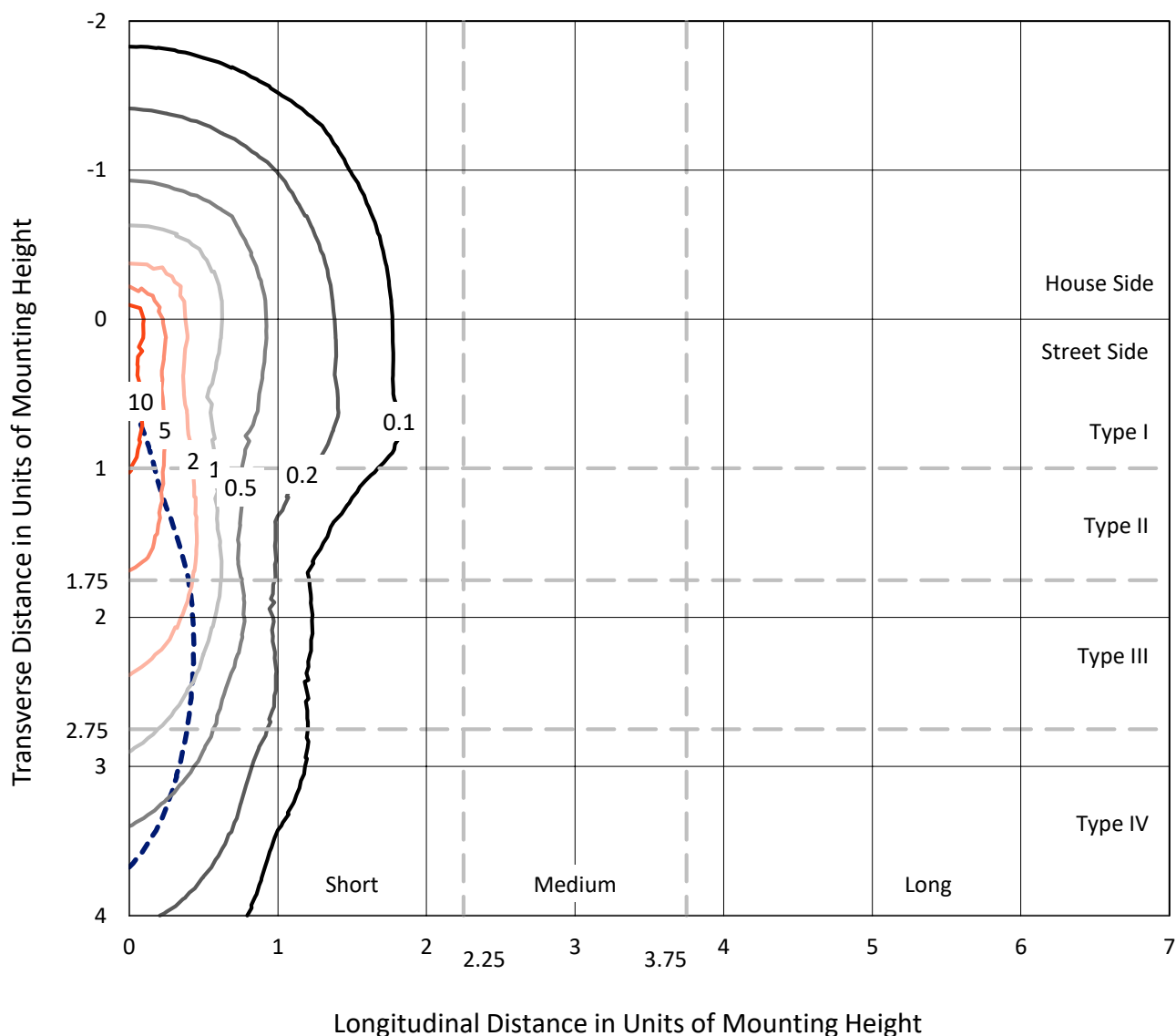
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

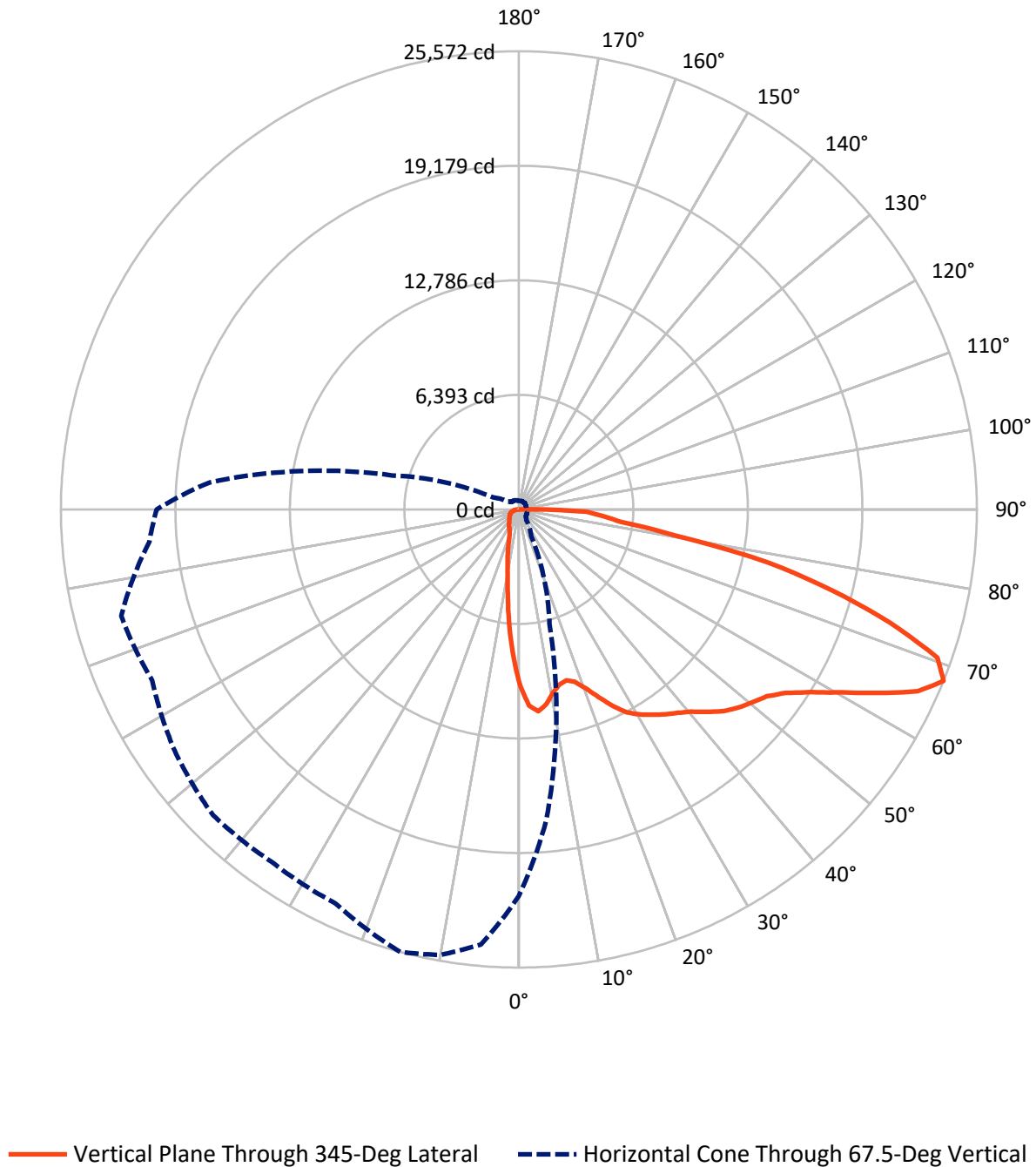
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5602.7	0.0	5602.7
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	26805.3	0.0	26805.3
	% Fixture	82.7	0.0	82.7
Total	Lumens	32408.0	0.0	32408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.0	2.4
10°-20°	1583.0	4.9
20°-30°	2251.3	6.9
30°-40°	3244.1	10.0
40°-50°	4571.9	14.1
50°-60°	6355.8	19.6
60°-70°	7686.0	23.7
70°-80°	4724.5	14.6
80°-90°	1229.3	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°	32408.0	100.0
0°-180°	32408.0	100.0

Coefficient of Utilization



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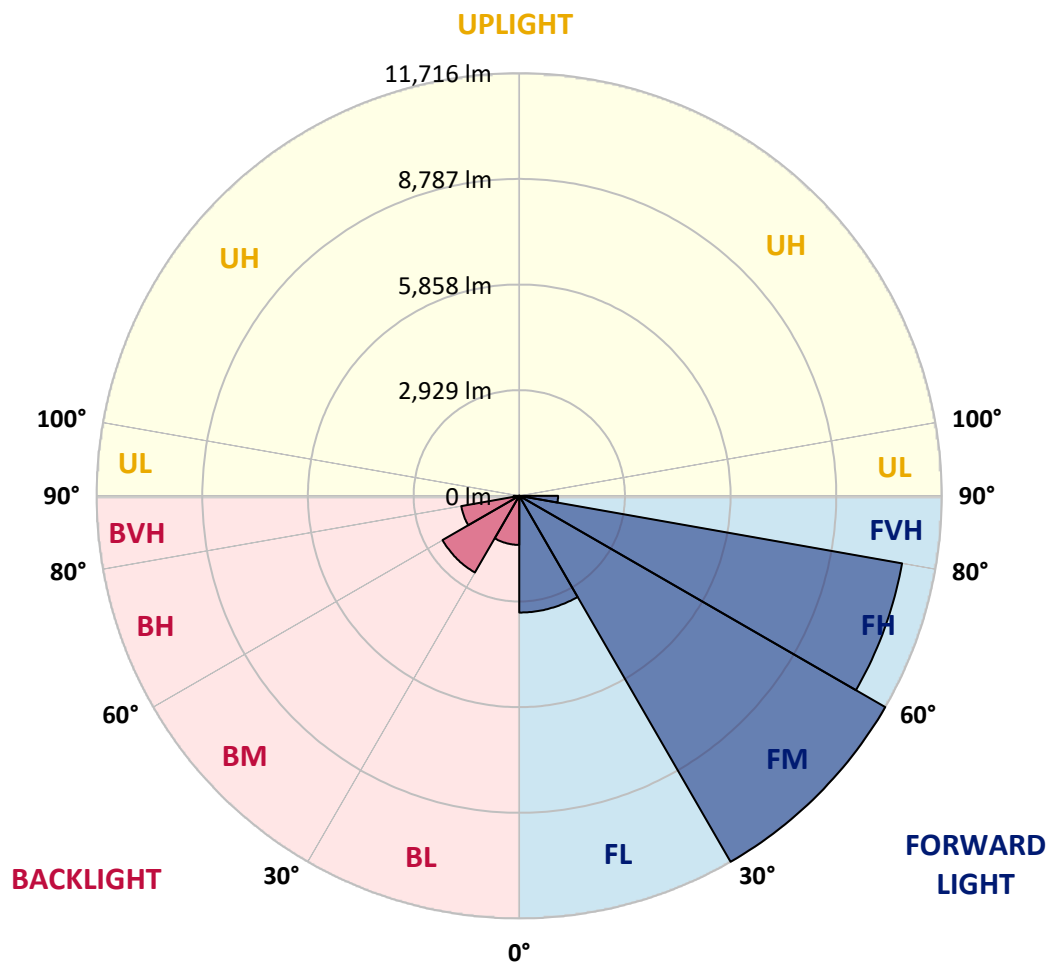
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3236.0	10.0			
FM	(30°-60°)	11716.3	36.2			
FH	(60°-80°)	10777.8	33.3			G4/12000
FVH	(80°-90°)	1075.2	3.3			G5
BL	(0°-30°)	1360.3	4.2	B3/2500		
BM	(30°-60°)	2455.6	7.6	B2/2500		
BH	(60°-80°)	1632.7	5.0	B3/2500		G3/2500
BVH	(80°-90°)	154.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	10576.9	10483.6	10342.4	10201.1	10096.2	9989.9	9869.4	9748.9	9611.6	9472.9	9391.3
5°	10402.0	10142.8	9805.9	9469.1	9246.2	9023.3	8770.7	8518.0	8267.9	8017.9	7883.1
7.5°	9614.2	9225.5	8787.5	8349.6	8025.6	7700.4	7350.6	6999.4	6688.5	6376.2	6183.1
10°	8839.3	8372.9	7870.2	7366.1	6951.5	6536.9	6185.7	5833.3	5598.8	5364.2	5186.7
12.5°	8283.5	7766.5	7213.2	6658.7	6244.0	5829.4	5606.5	5383.7	5189.3	4995.0	4790.2
15°	8063.2	7478.8	6912.6	6345.1	5968.0	5591.0	5343.5	5094.7	4834.3	4572.6	4321.2
17.5°	8257.6	7573.4	6958.0	6342.5	5848.8	5355.2	5009.2	4662.0	4318.6	3975.2	3683.7
20°	8864.0	7990.7	7186.0	6380.1	5723.2	5066.2	4602.4	4137.2	3696.7	3256.1	2925.7
22.5°	9715.2	8559.5	7508.6	6457.8	5609.1	4759.1	4177.4	3594.3	3073.4	2552.6	2228.6
25°	10749.2	9313.6	7973.8	6632.7	5562.5	4490.9	3775.7	3060.5	2511.1	1960.4	1729.8
27.5°	11838.9	10212.8	8551.7	6889.3	5570.3	4251.2	3437.5	2622.5	2127.6	1632.6	1474.5
30°	12747.2	11240.3	9225.5	7209.3	5600.1	3990.8	3118.8	2246.8	1838.6	1430.5	1328.1
32.5°	13577.8	11956.8	9733.4	7508.6	5633.8	3757.6	2872.6	1986.3	1653.3	1319.0	1234.8
35°	14435.5	12593.0	10088.4	7582.5	5575.4	3567.1	2704.1	1841.2	1534.1	1225.7	1154.5
37.5°	15380.1	13281.0	10430.5	7578.6	5477.0	3375.3	2573.3	1769.9	1456.4	1141.5	1089.7
40°	16433.5	14041.6	10801.1	7560.5	5387.6	3213.4	2476.1	1737.5	1413.6	1088.4	1044.3
42.5°	17463.6	14767.2	11145.7	7524.2	5315.0	3104.5	2380.2	1655.9	1374.7	1092.3	1030.1
45°	18237.1	15400.8	11445.0	7487.9	5260.6	3033.3	2305.1	1576.9	1338.5	1100.1	1021.0
47.5°	18824.1	16037.0	11776.7	7515.1	5255.4	2995.7	2251.9	1508.2	1269.8	1030.1	997.7
50°	19570.4	16801.5	12260.0	7718.6	5326.7	2934.8	2189.8	1443.4	1203.7	964.0	1008.1
52.5°	20499.5	17892.5	13008.9	8124.1	5475.7	2827.2	2091.3	1355.3	1123.4	890.2	958.8
55°	21863.8	19290.6	13966.5	8641.1	5655.8	2669.2	1942.3	1214.1	1017.1	818.9	879.8
57.5°	23088.3	20702.9	14885.1	9066.1	5768.5	2469.6	1754.4	1039.2	897.9	756.7	791.7
60°	23633.8	21431.1	15315.3	9198.3	5701.1	2204.0	1543.2	881.1	793.0	704.9	698.4
62.5°	23421.3	20968.5	14891.6	8814.7	5372.0	1929.3	1356.6	783.9	717.8	650.4	636.2
65°	22799.3	19514.7	13704.7	7894.8	4816.2	1737.5	1238.7	739.9	666.0	592.1	576.6
67.5°	21573.6	17445.5	12022.9	6600.4	4110.0	1619.6	1171.3	723.0	633.6	542.9	524.8
70°	19373.5	14955.1	10085.8	5215.2	3381.8	1547.1	1127.3	707.5	598.6	488.5	471.6
72.5°	15912.6	11990.5	8054.1	4116.5	2827.2	1538.0	1122.1	706.2	570.1	434.1	418.5
75°	11393.2	9107.6	6148.2	3187.5	2315.4	1443.4	1065.1	686.7	531.2	374.5	360.2
77.5°	7666.7	6303.6	4273.3	2241.6	1718.1	1194.6	895.3	596.0	454.8	313.6	299.3
80°	4923.7	4362.7	2863.5	1364.4	1114.3	864.2	640.1	415.9	331.7	246.2	234.5
82.5°	3612.4	3247.1	1990.2	733.4	619.4	504.0	391.3	278.6	226.7	174.9	169.7
85°	2296.0	2531.8	1465.4	399.1	326.5	254.0	209.9	165.9	130.9	95.9	95.9
87.5°	445.7	616.8	405.6	193.1	141.2	89.4	76.4	62.2	35.0	6.5	7.8
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



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	9308.4	9219.0	9129.6	9028.5	8926.2	8831.6	8735.7	8630.7	8650.2	8569.8	8489.5
5°	7748.4	7605.8	7462.0	7337.6	7213.2	7105.7	6996.8	6899.7	6983.9	6926.9	6869.9
7.5°	5988.8	5812.6	5635.0	5486.0	5337.0	5221.7	5105.1	5024.8	5107.7	5097.3	5087.0
10°	5009.2	4838.2	4665.9	4501.3	4336.7	4196.8	4055.6	3936.4	3915.6	3856.0	3795.1
12.5°	4584.2	4349.7	4113.9	3941.6	3769.2	3602.1	3434.9	3295.0	3231.5	3133.0	3033.3
15°	4069.8	3792.5	3515.3	3319.6	3122.7	2960.7	2797.4	2676.9	2636.8	2560.3	2483.9
17.5°	3392.2	3089.0	2785.8	2587.5	2388.0	2258.4	2127.6	2047.2	2047.2	2025.2	2003.2
20°	2595.3	2324.5	2053.7	1902.1	1750.5	1681.8	1611.9	1578.2	1588.5	1589.8	1589.8
22.5°	1903.4	1737.5	1571.7	1510.8	1448.6	1424.0	1399.4	1385.1	1390.3	1391.6	1392.9
25°	1499.1	1435.6	1370.9	1339.8	1307.4	1291.8	1276.3	1271.1	1282.8	1284.1	1284.1
27.5°	1316.4	1277.6	1237.4	1218.0	1197.2	1190.8	1184.3	1175.2	1186.9	1186.9	1185.6
30°	1224.4	1183.0	1141.5	1116.9	1092.3	1094.9	1096.2	1093.6	1101.4	1106.5	1110.4
32.5°	1149.3	1109.1	1069.0	1044.3	1018.4	1014.5	1010.7	1008.1	1024.9	1034.0	1043.0
35°	1081.9	1037.9	993.8	970.5	947.2	938.1	929.0	922.5	938.1	949.8	961.4
37.5°	1036.6	991.2	944.6	922.5	899.2	887.6	875.9	868.1	874.6	879.8	885.0
40°	1000.3	953.6	905.7	879.8	853.9	842.2	830.6	824.1	828.0	829.3	830.6
42.5°	966.6	921.3	875.9	847.4	817.6	803.3	789.1	781.3	783.9	786.5	787.8
45°	942.0	896.6	850.0	816.3	781.3	765.8	750.2	741.1	742.4	742.4	742.4
47.5°	965.3	899.2	831.8	793.0	752.8	734.7	716.5	707.5	704.9	702.3	699.7
50°	1050.8	938.1	824.1	774.8	724.3	704.9	684.1	673.8	667.3	664.7	662.1
52.5°	1026.2	929.0	830.6	767.1	702.3	679.0	655.6	638.8	632.3	628.4	624.5
55°	939.4	878.5	816.3	739.9	663.4	642.7	620.6	609.0	597.3	594.7	592.1
57.5°	825.4	800.7	776.1	698.4	620.6	601.2	580.5	572.7	562.3	562.3	561.0
60°	690.6	726.9	763.2	673.8	583.1	561.0	539.0	532.5	528.7	527.4	526.1
62.5°	620.6	680.2	738.6	644.0	548.1	524.8	501.4	493.7	492.4	493.7	493.7
65°	561.0	579.2	597.3	553.3	509.2	485.9	461.3	453.5	456.1	460.0	463.9
67.5°	506.6	502.7	498.8	483.3	466.5	447.0	426.3	418.5	419.8	425.0	430.2
70°	454.8	449.6	443.1	431.5	419.8	403.0	386.1	380.9	379.6	386.1	391.3
72.5°	403.0	396.5	388.7	379.6	369.3	355.0	340.8	336.9	338.2	342.1	346.0
75°	346.0	340.8	334.3	326.5	317.4	304.5	291.5	288.9	291.5	295.4	299.3
77.5°	283.8	282.5	279.9	273.4	266.9	252.7	237.1	235.8	239.7	243.6	246.2
80°	221.6	222.9	224.2	219.0	213.8	198.2	181.4	180.1	184.0	187.9	191.8
82.5°	163.3	167.1	169.7	163.3	156.8	138.6	120.5	117.9	130.9	134.8	138.6
85°	94.6	99.8	105.0	99.8	94.6	76.4	58.3	57.0	68.7	75.2	81.6
87.5°	7.8	10.4	13.0	11.7	10.4	5.2	0.0	0.0	1.3	6.5	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320820
 CATALOG NUMBER: GLEON-SA6D-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: P320820

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	8439.0	8388.4	8372.9	8357.3	8300.3	8242.0	8301.6	8359.9	8384.5	8409.2	8345.7
5°	6862.1	6853.0	6853.0	6851.7	6799.9	6746.8	6786.9	6825.8	6739.0	6652.2	6643.1
7.5°	5142.7	5198.4	5243.7	5287.8	5271.0	5254.1	5291.7	5329.3	5219.1	5107.7	5053.3
10°	3808.1	3819.8	3869.0	3918.2	3929.9	3940.3	3986.9	4032.3	3946.7	3861.2	3823.6
12.5°	2971.1	2908.9	2915.4	2920.5	2943.9	2965.9	3015.1	3063.1	3028.1	2991.8	2995.7
15°	2406.1	2327.1	2294.7	2261.0	2286.9	2312.8	2347.8	2381.5	2382.8	2382.8	2416.5
17.5°	1964.3	1924.1	1891.7	1858.1	1893.0	1926.7	1930.6	1934.5	1935.8	1937.1	1934.5
20°	1609.3	1628.7	1618.3	1608.0	1620.9	1632.6	1643.0	1652.0	1640.4	1627.4	1595.0
22.5°	1411.0	1427.9	1440.8	1452.5	1474.5	1495.3	1484.9	1473.2	1449.9	1425.3	1400.7
25°	1295.7	1307.4	1320.3	1333.3	1351.4	1368.3	1350.1	1332.0	1315.1	1298.3	1281.5
27.5°	1198.5	1210.2	1221.9	1232.2	1249.1	1264.6	1247.8	1230.9	1216.7	1202.4	1189.5
30°	1119.5	1127.3	1136.3	1145.4	1161.0	1175.2	1161.0	1145.4	1135.0	1123.4	1114.3
32.5°	1052.1	1059.9	1063.8	1067.7	1081.9	1096.2	1085.8	1075.4	1066.4	1057.3	1050.8
35°	978.3	993.8	996.4	999.0	1013.2	1027.5	1021.0	1013.2	1002.9	992.5	980.9
37.5°	903.1	921.3	931.6	940.7	954.9	969.2	962.7	956.2	942.0	927.7	907.0
40°	839.6	847.4	866.8	885.0	908.3	930.3	917.4	903.1	881.1	859.1	848.7
42.5°	786.5	785.2	803.3	821.5	856.5	890.2	866.8	843.5	822.8	802.0	799.5
45°	739.9	736.0	745.0	754.1	791.7	828.0	804.6	780.0	768.4	756.7	756.7
47.5°	698.4	695.8	702.3	707.5	730.8	752.8	741.1	729.5	723.0	716.5	717.8
50°	660.8	658.2	664.7	669.9	679.0	686.7	689.3	690.6	686.7	682.8	685.4
52.5°	625.8	625.8	628.4	629.7	641.4	653.0	653.0	651.7	651.7	651.7	654.3
55°	596.0	598.6	598.6	598.6	616.8	633.6	628.4	623.2	624.5	624.5	627.1
57.5°	566.2	570.1	572.7	575.3	593.4	611.6	606.4	601.2	601.2	601.2	602.5
60°	532.5	537.7	542.9	548.1	566.2	584.4	579.2	572.7	574.0	575.3	576.6
62.5°	500.1	505.3	510.5	515.7	533.8	552.0	546.8	540.3	544.2	546.8	546.8
65°	469.0	472.9	478.1	483.3	500.1	517.0	511.8	506.6	511.8	515.7	518.3
67.5°	434.1	436.7	441.8	447.0	463.9	480.7	475.5	469.0	475.5	480.7	485.9
70°	393.9	396.5	403.0	408.1	425.0	441.8	435.4	428.9	435.4	441.8	447.0
72.5°	349.8	352.4	358.9	364.1	383.5	403.0	395.2	387.4	395.2	403.0	405.6
75°	301.9	304.5	312.3	318.7	338.2	357.6	351.1	343.4	349.8	356.3	357.6
77.5°	250.1	254.0	264.3	274.7	290.2	305.8	301.9	298.0	301.9	305.8	305.8
80°	195.7	199.5	212.5	224.2	233.2	242.3	243.6	244.9	246.2	247.5	246.2
82.5°	145.1	150.3	162.0	173.6	173.6	173.6	184.0	193.1	193.1	191.8	190.5
85°	89.4	95.9	106.2	116.6	110.1	103.7	120.5	136.0	136.0	134.8	132.2
87.5°	18.1	24.6	35.0	44.1	37.6	31.1	47.9	64.8	66.1	66.1	63.5
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: P320820
 CATALOG NUMBER: GLEON-SA6D-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: P320820

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	8280.9	8382.0	8481.7	8507.6	8546.5	8563.4	8578.9	8705.9	8831.6	8979.3	9127.0
5°	6632.7	6707.9	6783.0	6794.7	6834.9	6855.6	6876.3	7030.5	7183.4	7389.4	7595.5
7.5°	4998.9	5017.0	5035.1	5032.5	5066.2	5111.6	5155.6	5320.2	5483.5	5705.0	5925.3
10°	3786.1	3827.5	3867.7	3905.3	3979.1	4064.6	4148.9	4317.3	4485.8	4704.7	4922.4
12.5°	2999.6	3047.5	3094.2	3135.6	3221.1	3335.2	3447.9	3650.0	3852.2	4113.9	4374.3
15°	2448.9	2445.0	2441.1	2469.6	2544.8	2669.2	2792.3	3006.1	3219.8	3507.5	3793.8
17.5°	1931.9	1912.5	1893.0	1915.1	1985.0	2087.4	2188.5	2369.9	2550.0	2828.5	3107.1
20°	1562.6	1549.7	1536.7	1557.4	1601.5	1644.3	1687.0	1817.9	1947.5	2174.2	2399.7
22.5°	1374.7	1373.5	1370.9	1382.5	1403.3	1425.3	1446.0	1509.5	1571.7	1718.1	1863.2
25°	1264.6	1263.3	1262.0	1267.2	1284.1	1300.9	1317.7	1359.2	1400.7	1470.6	1540.6
27.5°	1176.5	1173.9	1171.3	1172.6	1176.5	1202.4	1227.0	1246.5	1264.6	1312.6	1359.2
30°	1105.2	1103.9	1102.7	1102.7	1098.8	1107.8	1116.9	1146.7	1175.2	1224.4	1273.7
32.5°	1044.3	1037.9	1031.4	1017.1	1008.1	1021.0	1034.0	1065.1	1096.2	1141.5	1186.9
35°	967.9	951.1	932.9	925.1	926.4	939.4	952.3	983.4	1013.2	1062.5	1110.4
37.5°	885.0	879.8	873.3	872.0	875.9	888.9	901.8	929.0	954.9	1004.2	1052.1
40°	838.3	835.7	833.1	830.6	833.1	846.1	859.1	885.0	909.6	957.5	1004.2
42.5°	796.9	795.6	794.3	794.3	795.6	809.8	824.1	850.0	874.6	917.4	960.1
45°	756.7	758.0	758.0	760.6	764.5	778.7	791.7	820.2	848.7	890.2	931.6
47.5°	719.1	723.0	725.6	732.1	736.0	751.5	765.8	796.9	828.0	879.8	930.3
50°	686.7	690.6	693.2	698.4	708.8	726.9	745.0	782.6	818.9	905.7	991.2
52.5°	656.9	660.8	664.7	669.9	682.8	703.6	724.3	770.9	816.3	917.4	1018.4
55°	629.7	633.6	636.2	644.0	656.9	675.1	691.9	748.9	805.9	879.8	953.6
57.5°	603.8	607.7	610.3	615.5	621.9	641.4	659.5	720.4	781.3	833.1	883.7
60°	576.6	579.2	580.5	580.5	585.7	607.7	629.7	707.5	783.9	774.8	764.5
62.5°	546.8	549.4	550.7	546.8	553.3	576.6	599.9	701.0	802.0	739.9	677.7
65°	519.6	518.3	517.0	513.1	520.9	544.2	566.2	616.8	667.3	642.7	618.1
67.5°	489.8	485.9	482.0	476.8	484.6	505.3	524.8	541.6	558.5	561.0	563.6
70°	452.2	447.0	441.8	440.5	444.4	461.3	478.1	489.8	500.1	505.3	509.2
72.5°	408.1	404.3	400.4	397.8	399.1	413.3	426.3	436.7	447.0	450.9	453.5
75°	358.9	358.9	357.6	349.8	349.8	361.5	371.9	380.9	390.0	395.2	400.4
77.5°	305.8	307.1	307.1	296.7	295.4	307.1	317.4	325.2	331.7	336.9	340.8
80°	244.9	242.3	239.7	233.2	230.6	244.9	257.8	264.3	269.5	270.8	270.8
82.5°	187.9	182.7	176.2	162.0	163.3	178.8	193.1	198.2	203.4	203.4	203.4
85°	128.3	117.9	106.2	94.6	95.9	112.7	128.3	133.5	138.6	141.2	142.5
87.5°	60.9	50.5	38.9	29.8	29.8	44.1	57.0	59.6	62.2	67.4	72.6
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: P320820

CATALOG NUMBER: GLEON-SA6D-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: P320820

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	9239.7	9351.1	9466.5	9581.8	9713.9	9846.1	10000.3	10153.2	10284.1	10414.9	10523.8
5°	7773.0	7950.5	8159.1	8367.7	8633.3	8898.9	9224.2	9548.1	9837.0	10126.0	10461.6
7.5°	6157.2	6387.9	6660.0	6932.1	7275.4	7618.8	8039.9	8461.0	8869.1	9276.0	9791.7
10°	5164.7	5407.0	5675.2	5942.1	6292.0	6640.5	7086.2	7530.7	7989.4	8446.7	9029.8
12.5°	4643.8	4912.0	5147.9	5383.7	5667.4	5949.9	6381.4	6812.9	7351.9	7889.6	8450.6
15°	4088.0	4380.8	4663.3	4945.7	5255.4	5563.8	5983.6	6403.4	6993.0	7582.5	8227.8
17.5°	3415.5	3723.9	4068.5	4411.9	4816.2	5219.1	5756.8	6294.6	6993.0	7690.0	8450.6
20°	2714.5	3029.4	3441.4	3853.4	4356.2	4857.6	5554.7	6251.8	7192.5	8131.9	9102.4
22.5°	2141.8	2419.1	2868.7	3317.0	3897.5	4478.0	5372.0	6264.8	7494.4	8722.7	10032.7
25°	1736.3	1931.9	2373.7	2814.3	3484.2	4154.1	5260.6	6365.8	7933.6	9500.2	11125.0
27.5°	1487.5	1615.8	2027.8	2438.5	3170.6	3901.4	5215.2	6527.8	8490.8	10453.8	12313.1
30°	1363.1	1452.5	1801.0	2148.3	2892.0	3635.8	5160.8	6685.9	9027.2	11367.3	13242.2
32.5°	1259.4	1330.7	1628.7	1925.4	2651.0	3376.6	5055.9	6733.8	9401.7	12069.6	14028.7
35°	1171.3	1230.9	1490.1	1749.2	2461.9	3174.5	4879.6	6584.8	9636.2	12687.6	14847.6
37.5°	1100.1	1146.7	1386.4	1626.1	2298.6	2971.1	4678.8	6386.6	9844.8	13303.1	15768.8
40°	1044.3	1084.5	1308.7	1532.8	2143.1	2753.4	4506.5	6258.3	10132.5	14006.6	16741.9
42.5°	1013.2	1065.1	1241.3	1416.2	1995.4	2574.6	4367.8	6161.1	10399.4	14636.4	17593.2
45°	1005.5	1079.3	1206.3	1333.3	1885.3	2437.2	4244.8	6051.0	10571.7	15092.4	18234.5
47.5°	992.5	1053.4	1179.1	1304.8	1830.8	2355.6	4178.7	6000.4	10744.0	15486.3	18767.1
50°	1000.3	1008.1	1157.1	1304.8	1823.1	2341.4	4253.8	6166.3	11117.2	16066.8	19376.1
52.5°	986.0	952.3	1115.6	1278.9	1821.8	2364.7	4470.2	6575.7	11810.4	17043.8	20035.6
55°	910.9	866.8	1037.9	1208.9	1794.6	2378.9	4728.1	7075.9	12740.7	18404.3	21221.2
57.5°	844.8	804.6	949.8	1093.6	1711.6	2329.7	4993.7	7656.4	13724.2	19790.7	22557.0
60°	756.7	747.6	851.3	954.9	1583.4	2210.5	5212.6	8213.5	14385.0	20555.2	23071.4
62.5°	684.1	689.3	765.8	842.2	1422.7	2001.9	5285.2	8567.2	14366.8	20166.5	22553.2
65°	628.4	637.5	712.6	787.8	1285.3	1782.9	5046.8	8309.4	13640.0	18969.2	21528.2
67.5°	574.0	584.4	673.8	761.9	1163.5	1563.9	4450.8	7336.3	12332.6	17327.6	20224.8
70°	522.2	535.1	632.3	729.5	1075.4	1420.1	3682.4	5944.7	10696.1	15446.2	18715.3
72.5°	466.5	479.4	583.1	686.7	1019.7	1351.4	3002.2	4651.6	8680.0	12707.0	16008.5
75°	409.4	418.5	531.2	642.7	943.3	1243.9	2355.6	3466.0	6643.1	9820.2	12091.6
77.5°	352.4	364.1	458.7	552.0	800.7	1048.2	1775.1	2502.0	4874.5	7245.6	8409.2
80°	281.2	291.5	358.9	425.0	618.1	809.8	1220.6	1631.3	3354.6	5077.9	5733.5
82.5°	215.1	226.7	272.1	316.2	440.5	564.9	739.9	914.8	2228.6	3541.2	3595.6
85°	147.7	151.6	184.0	215.1	272.1	329.1	423.7	518.3	1474.5	2430.8	2025.2
87.5°	73.9	73.9	95.9	117.9	146.4	174.9	224.2	272.1	471.6	671.2	386.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	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



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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	10662.4	10757.0	10852.9	10925.4	10999.3	11105.5	11211.8	11231.2	11252.0	11210.5	11169.0
5°	10799.8	11086.1	11373.8	11639.4	11905.0	12064.4	12223.7	12256.1	12288.5	12188.8	12087.7
7.5°	10290.5	10789.4	11288.2	11745.6	12203.0	12480.3	12758.9	12821.1	12884.6	12721.3	12558.0
10°	9610.3	10223.2	10836.0	11438.5	12041.0	12444.0	12847.0	12927.3	13007.6	12804.2	12600.8
12.5°	9084.2	9738.6	10392.9	11027.8	11664.0	12081.2	12498.4	12598.2	12698.0	12550.3	12401.3
15°	8922.3	9537.7	10153.2	10706.5	11261.0	11601.8	11943.9	11984.0	12025.5	12002.2	11978.9
17.5°	9216.4	9772.3	10329.4	10630.0	10931.9	11068.0	11205.3	11249.4	11294.7	11353.0	11412.6
20°	9929.0	10320.3	10712.9	10700.0	10685.7	10619.7	10552.3	10540.6	10529.0	10696.1	10864.5
22.5°	10992.8	11148.3	11305.1	10941.0	10576.9	10355.3	10132.5	10088.4	10043.1	10220.6	10399.4
25°	12147.3	12118.8	12089.0	11395.8	10701.3	10278.9	9856.5	9807.2	9758.0	9909.6	10062.5
27.5°	13290.1	13103.5	12916.9	11975.0	11033.0	10420.1	9807.2	9758.0	9708.8	9843.5	9978.3
30°	14128.4	13829.1	13529.8	12463.4	11397.1	10668.9	9940.7	9860.4	9778.7	9944.6	10110.4
32.5°	14782.8	14381.1	13979.4	12859.9	11740.4	10952.6	10164.9	10039.2	9913.5	10135.1	10356.6
35°	15435.8	14870.9	14304.7	13213.7	12121.4	11288.2	10453.8	10299.6	10145.4	10449.9	10754.4
37.5°	16257.3	15446.2	14633.8	13611.4	12589.1	11791.0	10991.5	10833.4	10675.4	11062.8	11451.5
40°	17148.7	16066.8	14984.9	14046.8	13108.7	12486.8	11863.5	11713.2	11561.6	12033.3	12504.9
42.5°	17889.9	16644.7	15399.5	14571.6	13742.3	13304.4	12865.1	12863.8	12861.2	13339.4	13817.5
45°	18492.4	17126.7	15759.7	15083.4	14405.7	14177.7	13949.6	14132.3	14315.0	14746.5	15179.3
47.5°	18942.0	17531.0	16118.7	15669.0	15219.4	15253.1	15286.8	15658.7	16030.5	16307.8	16586.4
50°	19234.8	17897.7	16559.2	16420.6	16281.9	16583.8	16887.0	17313.3	17740.9	17930.1	18119.2
52.5°	19661.1	18395.2	17128.0	17283.5	17439.0	18055.7	18672.5	19104.0	19535.4	19605.4	19676.7
55°	20647.2	19310.0	17971.5	18269.5	18568.8	19473.2	20379.0	20715.8	21052.7	21078.6	21104.5
57.5°	22047.8	20591.4	19135.1	19456.4	19777.7	20822.1	21867.7	22230.5	22594.6	22544.1	22492.3
60°	23096.1	21808.1	20518.9	20842.8	21166.7	22185.2	23203.6	23620.8	24039.3	23927.9	23816.5
62.5°	23160.8	22472.8	21783.5	22076.3	22370.5	23368.2	24365.9	24794.7	25223.6	25029.3	24834.9
65°	22130.8	22439.1	22747.5	22844.7	22941.9	23872.2	24803.8	25131.6	25460.7	25362.3	25263.8
67.5°	20711.9	21848.3	22985.9	22790.3	22594.6	23031.3	23467.9	23806.1	24144.3	24088.6	24031.6
70°	19295.7	20813.0	22330.3	21368.9	20406.2	20226.1	20046.0	20410.0	20775.4	20550.0	20323.2
72.5°	16884.4	18501.5	20119.8	18348.6	16577.3	15961.9	15346.4	15809.0	16271.5	15912.6	15552.4
75°	13253.8	15040.6	16828.7	14715.4	12602.1	11780.6	10959.1	11356.9	11754.7	11508.5	11261.0
77.5°	9866.8	11627.7	13388.6	11240.3	9090.7	8480.4	7868.9	7986.8	8106.0	8064.5	8021.7
80°	6692.3	7919.4	9147.7	7717.3	6286.8	6333.4	6381.4	6325.7	6268.7	6351.6	6434.5
82.5°	4270.7	5217.8	6166.3	5407.0	4647.7	5083.1	5518.4	5304.6	5089.6	5168.6	5248.9
85°	2437.2	3363.7	4291.4	3999.9	3707.0	3961.0	4216.2	3884.5	3552.8	3698.0	3844.4
87.5°	642.7	1860.6	3079.9	2796.1	2512.4	2183.3	1854.2	1414.9	975.7	1425.3	1874.9
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: P320820
 CATALOG NUMBER: GLEON-SA6D-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: P320820

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3	9873.3
2.5°	11147.0	11125.0	11045.9	10965.6	10846.4	10747.9	10576.9
5°	11947.8	11807.8	11566.8	11324.5	11055.0	10745.3	10402.0
7.5°	12231.5	11903.7	11441.1	10977.3	10560.0	10070.3	9614.2
10°	12111.0	11619.9	11018.7	10416.2	9909.6	9346.0	8839.3
12.5°	11880.4	11358.2	10696.1	10032.7	9456.1	8851.0	8283.5
15°	11562.9	11145.7	10525.1	9904.4	9323.9	8735.7	8063.2
17.5°	11215.7	11017.4	10569.1	10119.5	9616.8	9046.7	8257.6
20°	10935.8	11008.4	10829.6	10650.7	10247.8	9750.2	8864.0
22.5°	10746.6	11095.2	11232.5	11371.2	11128.9	10740.2	9715.2
25°	10640.4	11218.3	11678.2	12139.5	12032.0	11732.7	10749.2
27.5°	10687.0	11395.8	12109.7	12825.0	12924.7	12841.8	11838.9
30°	10827.0	11544.8	12414.2	13284.9	13682.7	13794.1	12747.2
32.5°	11060.2	11763.8	12710.9	13659.4	14260.6	14615.6	13577.8
35°	11412.6	12070.8	13058.2	14045.5	14822.9	15470.8	14435.5
37.5°	12017.7	12584.0	13494.8	14407.0	15415.1	16388.2	15380.1
40°	12904.0	13304.4	14074.0	14845.0	16113.5	17427.3	16433.5
42.5°	14022.2	14228.2	14838.5	15448.8	16843.0	18370.6	17463.6
45°	15233.7	15288.1	15671.6	16056.5	17420.8	19013.3	18237.1
47.5°	16399.8	16213.2	16366.1	16519.0	17864.0	19472.0	18824.1
50°	17599.6	17080.1	16999.7	16919.4	18307.1	20012.3	19570.4
52.5°	18820.2	17963.7	17646.3	17327.6	18835.8	20728.8	20499.5
55°	20014.9	18925.2	18497.6	18070.0	19644.3	21603.4	21863.8
57.5°	21257.4	20022.6	19626.1	19229.7	20832.4	22711.2	23088.3
60°	22594.6	21371.5	21054.0	20735.3	22309.6	23908.5	23633.8
62.5°	23863.1	22891.3	22724.2	22555.7	23803.5	24828.4	23421.3
65°	24710.5	24155.9	24311.4	24468.2	24933.4	25057.8	22799.3
67.5°	24144.3	24257.0	24913.9	25572.2	25252.1	24376.2	21573.6
70°	20998.3	21674.7	23230.8	24788.3	24078.2	22550.6	19373.5
72.5°	16311.7	17072.3	19382.5	21694.1	21039.8	19168.8	15912.6
75°	12118.8	12977.8	15527.8	18077.8	17169.5	14338.3	11393.2
77.5°	8597.0	9172.3	11689.9	14208.8	12727.8	9544.2	7666.7
80°	6258.3	6082.1	7485.3	8888.6	8642.4	6312.7	4923.7
82.5°	4818.8	4388.6	5049.4	5710.2	5673.9	4380.8	3612.4
85°	3672.0	3499.7	4084.1	4668.4	4168.3	2967.2	2296.0
87.5°	2140.5	2407.4	3095.5	3784.8	2840.2	900.5	445.7
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: P320820
 CATALOG NUMBER: GLEON-SA6D-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
 Rf: 81.5
 Rg: 99.2

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



Test Conditions

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

REPORT NUMBER: SP1-2408-195-9

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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

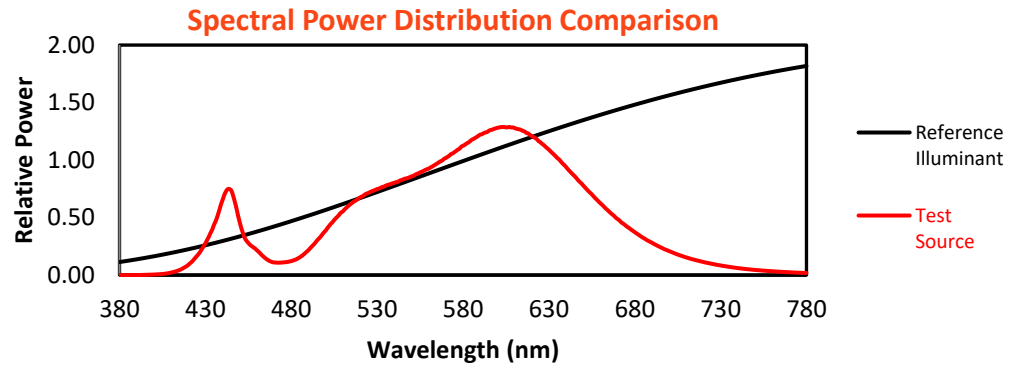
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940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

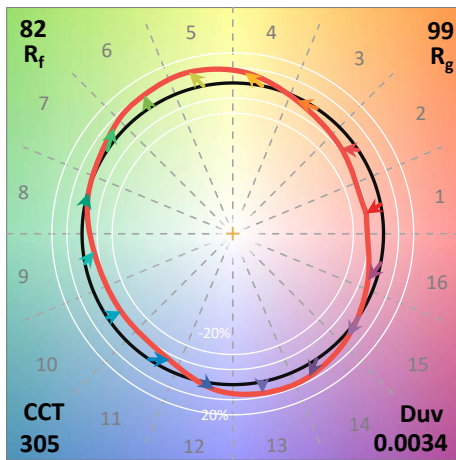
TM-30-18

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 ($R_{f,i}$)

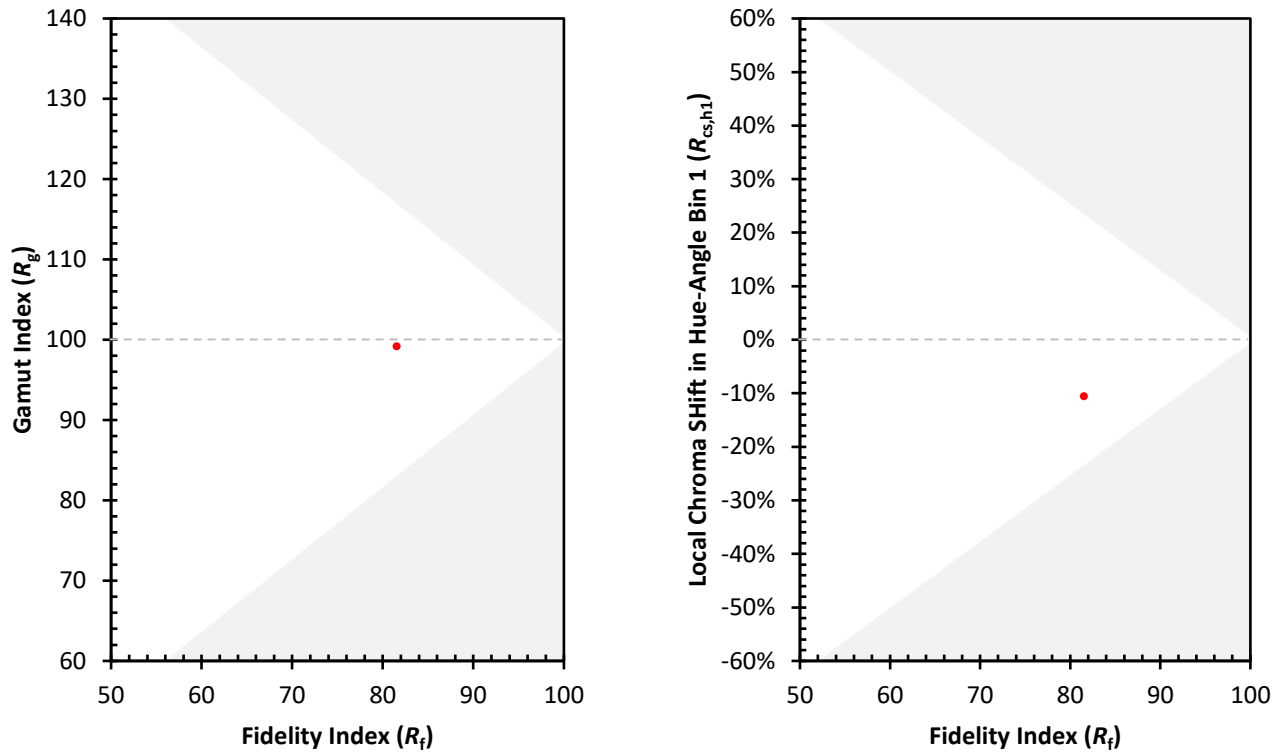
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)