

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: P320495

Luminaire Tested: **GLEON-SA1D-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320495
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-SA1D-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5674 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

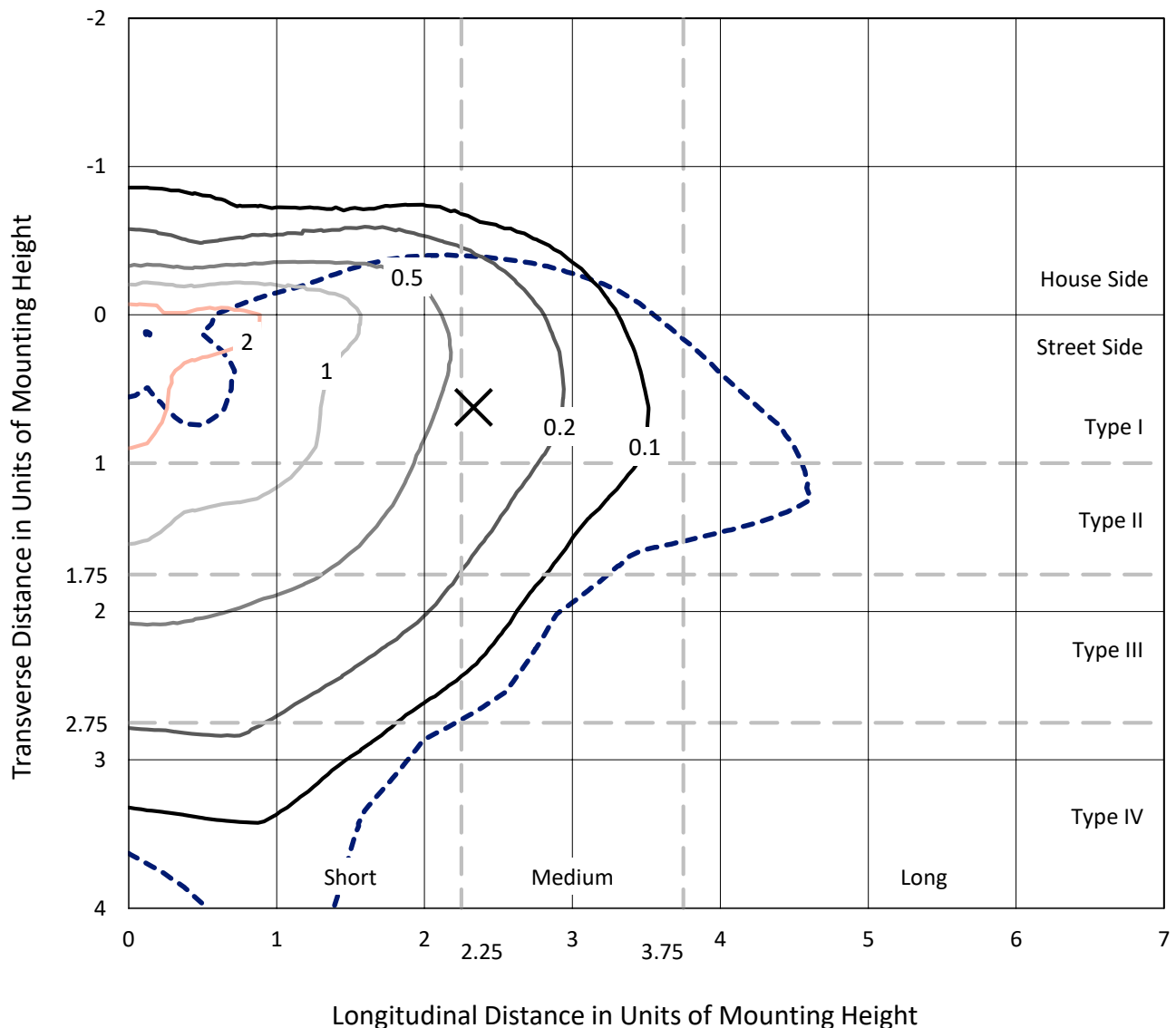
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P320495
 CATALOG NUMBER: GLEON-SA1D-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

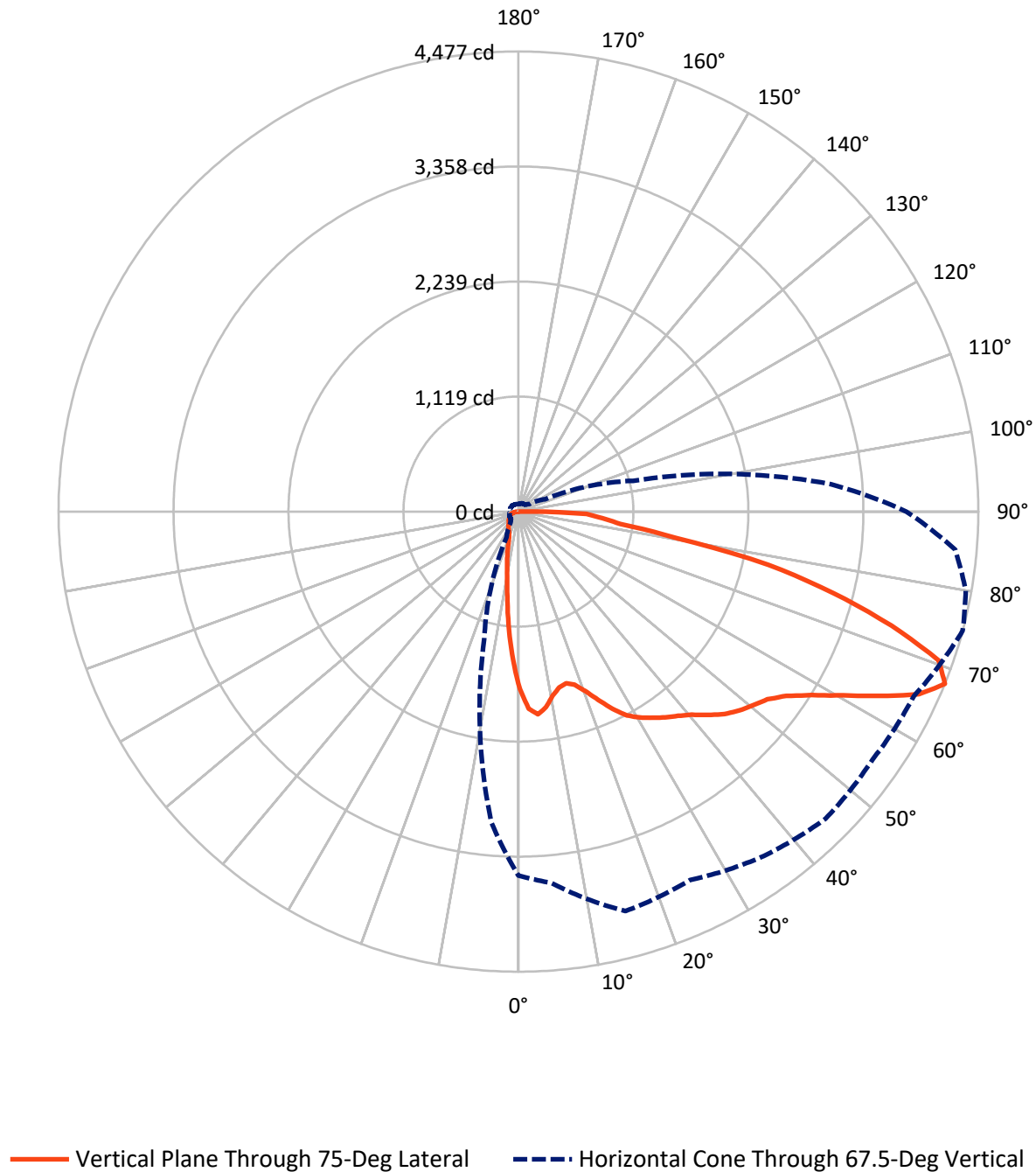
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P320495
CATALOG NUMBER: GLEON-SA1D-830-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

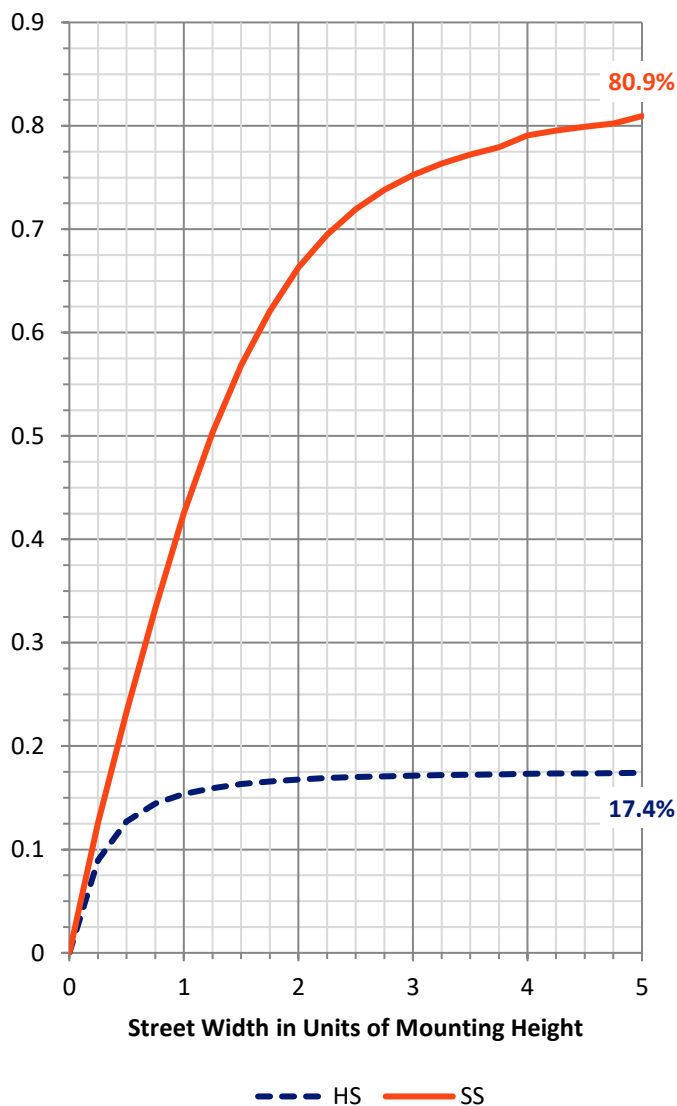
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	999.3	0.0	999.3
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	4674.7	0.0	4674.7
	% Fixture	82.4	0.0	82.4
Total	Lumens	5674.0	0.0	5674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	2.4
10°-20°	277.1	4.9
20°-30°	394.2	6.9
30°-40°	568.0	10.0
40°-50°	800.5	14.1
50°-60°	1112.8	19.6
60°-70°	1345.7	23.7
70°-80°	827.2	14.6
80°-90°	215.2	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°	5674.0	100.0
0°-180°	5674.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320495

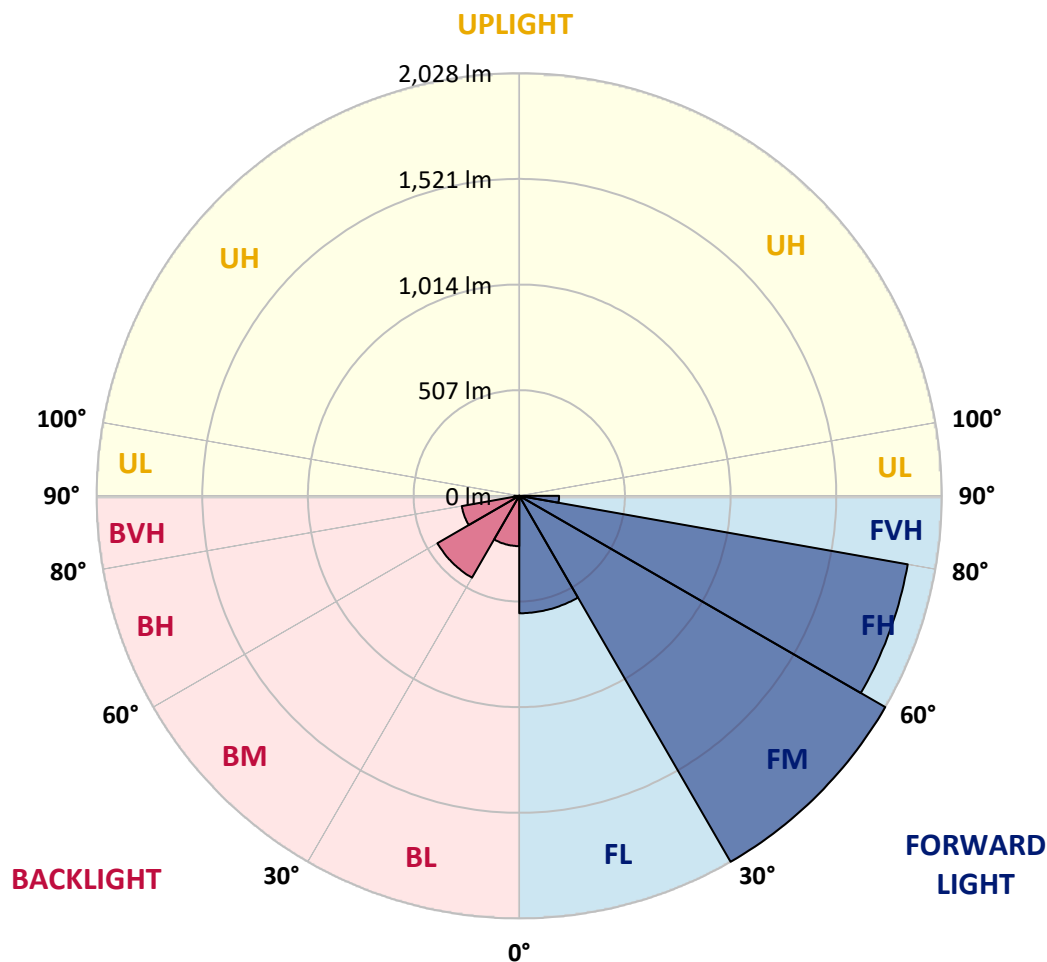
CATALOG NUMBER: GLEON-SA1D-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	563.4	9.9			
FM	(30°-60°)	2027.6	35.7			
FH	(60°-80°)	1892.7	33.4			G2/5000
FVH	(80°-90°)	191.1	3.4			G2/225
BL	(0°-30°)	241.3	4.3	B1/500		
BM	(30°-60°)	453.6	8.0	B1/1000		
BH	(60°-80°)	280.2	4.9	B1/500		G1/500
BVH	(80°-90°)	24.2	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-G2

Type III Medium



REPORT NUMBER: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1842.5	1866.8	1883.6	1900.1	1913.0	1925.7	1944.3	1962.9	1966.6	1970.0	1962.7
5°	1831.6	1890.8	1941.2	1991.3	2037.8	2084.3	2112.2	2140.1	2145.8	2151.5	2134.0
7.5°	1714.3	1801.7	1889.0	1976.3	2056.4	2136.5	2185.3	2233.8	2244.9	2255.8	2227.2
10°	1580.9	1682.6	1789.9	1897.2	2002.6	2108.1	2178.7	2249.2	2263.3	2277.4	2241.7
12.5°	1479.5	1590.5	1705.0	1819.6	1931.0	2042.1	2115.2	2188.2	2205.7	2223.1	2197.3
15°	1440.5	1562.1	1669.9	1777.6	1874.7	1971.6	2031.5	2091.1	2098.4	2105.4	2101.3
17.5°	1479.5	1613.6	1711.1	1808.5	1861.3	1913.9	1938.0	1961.8	1969.8	1977.5	1987.9
20°	1593.6	1738.4	1807.1	1875.6	1873.3	1870.8	1859.3	1847.5	1845.4	1843.4	1872.9
22.5°	1756.5	1924.6	1952.1	1979.3	1915.5	1851.8	1813.0	1774.0	1766.3	1758.3	1789.6
25°	1947.7	2126.7	2121.7	2116.5	1995.2	1873.6	1799.6	1725.7	1717.0	1708.4	1735.2
27.5°	2155.8	2326.8	2294.2	2261.5	2096.6	1931.6	1824.3	1717.0	1708.4	1699.8	1723.4
30°	2318.4	2473.6	2421.2	2368.8	2182.1	1995.4	1867.9	1740.4	1726.3	1712.1	1741.1
32.5°	2456.1	2588.2	2517.8	2447.5	2251.5	2055.5	1917.6	1779.7	1757.6	1735.6	1774.4
35°	2599.5	2702.5	2603.6	2504.4	2313.4	2122.2	1976.3	1830.2	1803.2	1776.2	1829.6
37.5°	2760.8	2846.3	2704.3	2562.1	2383.1	2204.1	2064.4	1924.4	1896.7	1869.0	1937.1
40°	2931.2	3002.4	2813.0	2623.5	2459.3	2295.1	2186.2	2077.1	2050.7	2024.2	2106.8
42.5°	3080.2	3132.1	2914.1	2696.1	2551.2	2406.0	2329.3	2252.4	2252.2	2251.7	2335.4
45°	3192.5	3237.6	2998.5	2759.2	2640.8	2522.1	2482.2	2442.3	2474.3	2506.3	2582.0
47.5°	3285.7	3316.3	3069.3	2822.0	2743.3	2664.6	2670.5	2676.4	2741.5	2806.6	2855.4
50°	3392.3	3367.6	3133.5	2899.2	2874.9	2850.6	2903.7	2956.6	3031.4	3106.1	3139.2
52.5°	3507.8	3442.2	3220.6	2998.8	3026.0	3053.2	3161.2	3269.2	3344.7	3420.2	3432.7
55°	3715.4	3614.9	3380.8	3146.4	3198.8	3251.0	3409.6	3567.9	3626.9	3685.9	3690.4
57.5°	3949.3	3860.1	3605.1	3350.1	3406.4	3462.7	3645.7	3828.6	3892.3	3955.8	3947.0
60°	4039.3	4043.6	3818.1	3592.4	3649.1	3705.9	3884.2	4062.5	4135.7	4208.8	4189.3
62.5°	3948.6	4055.0	3934.5	3813.8	3865.3	3916.6	4091.3	4265.9	4341.0	4416.1	4382.1
65°	3769.1	3874.6	3928.6	3982.6	3999.6	4016.6	4179.7	4342.6	4400.2	4457.6	4440.4
67.5°	3540.9	3626.2	3825.4	4024.4	3990.1	3955.8	4032.3	4108.7	4167.9	4227.2	4217.4
70°	3276.6	3378.3	3643.9	3909.6	3741.2	3572.7	3541.2	3509.6	3573.6	3637.3	3597.9
72.5°	2802.8	2956.1	3239.4	3522.6	3212.4	2902.3	2794.6	2686.8	2767.8	2848.8	2786.0
75°	2117.0	2320.5	2633.5	2946.4	2576.4	2206.4	2062.5	1918.7	1988.4	2058.0	2014.9
77.5°	1472.3	1727.5	2035.8	2344.1	1967.9	1591.6	1484.7	1377.7	1398.5	1419.2	1411.9
80°	1003.8	1171.7	1386.7	1601.6	1351.1	1100.7	1109.1	1117.2	1107.5	1097.5	1112.0
82.5°	629.5	747.7	913.8	1079.6	946.7	813.7	889.9	966.2	928.7	891.1	905.1
85°	354.6	426.7	589.1	751.3	700.3	649.0	693.7	738.2	680.1	622.0	647.7
87.5°	67.6	112.5	326.0	539.2	489.5	439.9	382.2	324.6	247.7	170.8	249.5
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: P320495
 CATALOG NUMBER: GLEON-SA1D-830-U-SLL

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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1955.5	1951.6	1947.7	1933.9	1919.8	1899.0	1881.7	1851.8	1835.5	1810.7	1786.0
5°	2116.3	2091.8	2067.3	2025.1	1982.7	1935.5	1881.3	1821.2	1775.8	1716.8	1657.8
7.5°	2198.6	2141.5	2084.1	2003.1	1921.9	1848.8	1763.1	1683.2	1615.2	1538.5	1461.8
10°	2206.1	2120.4	2034.4	1929.1	1823.7	1735.0	1636.3	1547.6	1465.9	1377.9	1289.7
12.5°	2171.2	2080.0	1988.6	1872.7	1756.5	1655.8	1549.6	1450.3	1359.7	1262.9	1165.8
15°	2097.2	2024.4	1951.4	1842.7	1734.1	1632.4	1529.4	1411.7	1309.4	1210.3	1110.9
17.5°	1998.1	1963.6	1928.9	1850.4	1771.7	1683.7	1583.9	1445.7	1325.9	1218.2	1110.4
20°	1902.2	1914.9	1927.3	1896.0	1864.7	1794.2	1707.1	1551.9	1399.0	1258.1	1117.0
22.5°	1820.7	1881.7	1942.5	1966.8	1990.9	1948.4	1880.4	1700.9	1498.6	1314.6	1130.6
25°	1761.7	1862.9	1964.1	2044.8	2125.4	2106.5	2054.1	1882.0	1630.6	1396.0	1161.3
27.5°	1747.0	1871.1	1995.2	2120.4	2245.4	2262.8	2248.3	2072.7	1788.0	1497.2	1206.2
30°	1770.1	1895.8	2021.2	2173.7	2325.9	2395.6	2415.1	2231.8	1967.9	1615.2	1262.2
32.5°	1813.2	1936.4	2059.6	2225.6	2391.5	2496.7	2558.9	2377.2	2093.4	1704.1	1314.6
35°	1882.9	1998.1	2113.4	2286.2	2459.1	2595.2	2708.6	2527.4	2204.8	1766.3	1327.5
37.5°	2004.9	2104.1	2203.2	2362.9	2522.4	2698.9	2869.2	2692.7	2325.2	1826.2	1326.9
40°	2189.3	2259.4	2329.3	2464.3	2599.0	2821.1	3051.2	2877.2	2458.4	1891.0	1323.7
42.5°	2419.1	2455.2	2491.1	2597.9	2704.8	2948.8	3216.3	3057.5	2585.4	1951.4	1317.3
45°	2657.6	2667.1	2676.6	2744.0	2811.1	3050.0	3328.8	3192.9	2696.4	2003.8	1311.0
47.5°	2903.9	2871.3	2838.6	2865.4	2892.1	3127.6	3409.1	3295.7	2807.7	2061.9	1315.7
50°	3172.3	3081.3	2990.4	2976.3	2962.2	3205.2	3503.7	3426.4	2941.6	2146.5	1351.4
52.5°	3445.0	3295.0	3145.1	3089.5	3033.7	3297.7	3629.2	3589.0	3132.6	2277.6	1422.4
55°	3695.0	3504.2	3313.4	3238.5	3163.7	3439.3	3782.3	3827.9	3377.4	2445.2	1512.9
57.5°	3937.9	3721.7	3505.5	3436.1	3366.7	3647.3	3976.3	4042.3	3624.6	2606.1	1587.3
60°	4169.8	3955.8	3741.7	3686.1	3630.3	3905.9	4185.9	4137.8	3752.1	2681.4	1610.4
62.5°	4348.1	4177.9	4007.8	3978.5	3949.0	4167.5	4346.9	4100.6	3671.1	2607.2	1543.3
65°	4423.2	4326.3	4229.2	4256.6	4283.9	4365.3	4387.1	3991.7	3416.6	2399.4	1382.2
67.5°	4207.4	4227.2	4246.9	4362.1	4477.1	4421.1	4267.8	3777.1	3054.3	2105.0	1155.6
70°	3558.2	3676.6	3794.8	4067.5	4339.9	4215.6	3948.1	3391.9	2618.3	1765.8	913.1
72.5°	2722.9	2856.1	2989.0	3393.7	3798.2	3683.6	3356.0	2786.0	2099.3	1410.1	720.7
75°	1971.6	2122.0	2272.1	2718.6	3165.0	3006.0	2510.3	1994.7	1594.5	1076.4	558.1
77.5°	1404.4	1505.2	1605.9	2046.9	2487.7	2228.6	1671.0	1342.3	1103.6	748.2	392.5
80°	1126.5	1095.7	1064.8	1310.5	1556.2	1513.1	1105.2	862.0	763.8	501.3	238.9
82.5°	919.0	843.7	768.3	884.0	999.7	993.4	767.0	632.5	568.5	348.4	128.4
85°	673.1	642.9	612.7	715.0	817.3	730.0	519.5	402.0	443.3	256.6	69.9
87.5°	328.3	375.0	421.5	542.2	662.6	497.5	157.7	78.0	108.0	71.0	33.8
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: P320495
 CATALOG NUMBER: GLEON-SA1D-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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1767.6	1749.0	1727.9	1706.8	1682.8	1658.5	1644.2	1629.7	1614.1	1598.4	1580.7
5°	1618.8	1579.8	1535.6	1491.3	1447.5	1403.8	1380.2	1356.6	1331.6	1306.4	1284.7
7.5°	1405.1	1348.2	1286.9	1225.5	1171.0	1116.3	1082.5	1048.5	1017.7	986.6	960.5
10°	1217.1	1144.5	1083.0	1021.3	980.2	939.2	908.1	877.0	847.1	816.9	788.1
12.5°	1093.2	1020.6	981.6	942.6	908.5	874.5	838.7	802.6	761.5	720.3	690.1
15°	1044.9	978.9	935.5	892.0	846.4	800.6	756.6	712.5	664.0	615.4	581.2
17.5°	1024.0	937.6	877.0	816.2	756.1	696.0	644.9	593.9	540.8	487.7	453.0
20°	1002.0	887.0	805.8	724.3	647.2	570.1	512.2	454.4	407.0	359.6	333.0
22.5°	982.0	833.2	731.4	629.3	538.1	446.9	390.2	333.2	304.2	275.2	264.5
25°	973.9	786.3	661.0	535.8	439.6	343.2	302.8	262.5	251.4	240.0	234.6
27.5°	975.2	744.3	601.8	459.1	372.5	285.8	258.2	230.5	223.7	216.6	213.2
30°	980.5	698.7	546.0	393.4	321.9	250.4	232.5	214.4	207.1	199.9	195.5
32.5°	986.4	657.9	502.9	347.8	289.5	230.9	216.2	201.2	194.2	187.2	182.8
35°	976.1	624.5	473.4	322.4	268.6	214.6	202.1	189.4	181.7	174.0	169.9
37.5°	958.9	590.9	450.5	309.9	255.0	199.9	190.8	181.5	173.5	165.4	161.5
40°	943.2	562.6	433.5	304.2	247.5	190.6	182.8	175.1	167.0	158.6	154.0
42.5°	930.5	543.5	416.7	289.9	240.7	191.2	180.3	169.2	161.3	153.4	148.4
45°	921.0	531.1	403.6	276.1	234.3	192.6	178.8	164.9	157.0	148.8	142.9
47.5°	920.1	524.5	394.3	264.1	222.3	180.3	174.7	169.0	157.4	145.6	138.8
50°	932.6	513.8	383.4	252.7	210.7	168.8	176.5	184.0	164.2	144.3	135.7
52.5°	958.7	495.0	366.1	237.3	196.7	155.8	167.9	179.7	162.7	145.4	134.3
55°	990.2	467.3	340.1	212.6	178.1	143.4	154.0	164.5	153.8	142.9	129.5
57.5°	1009.9	432.4	307.2	181.9	157.2	132.5	138.6	144.5	140.2	135.9	122.3
60°	998.1	385.9	270.2	154.3	138.8	123.4	122.3	120.9	127.3	133.6	118.0
62.5°	940.5	337.8	237.5	137.2	125.7	113.9	111.4	108.7	119.1	129.3	112.7
65°	843.2	304.2	216.9	129.5	116.6	103.7	100.9	98.2	101.4	104.6	96.9
67.5°	719.6	283.6	205.1	126.6	110.9	95.1	91.9	88.7	88.0	87.3	84.6
70°	592.1	270.9	197.4	123.9	104.8	85.5	82.6	79.6	78.7	77.6	75.5
72.5°	495.0	269.3	196.5	123.6	99.8	76.0	73.3	70.6	69.4	68.1	66.5
75°	405.4	252.7	186.5	120.2	93.0	65.6	63.1	60.6	59.7	58.5	57.2
77.5°	300.8	209.2	156.8	104.4	79.6	54.9	52.4	49.7	49.5	49.0	47.9
80°	195.1	151.3	112.1	72.8	58.1	43.1	41.1	38.8	39.0	39.2	38.3
82.5°	108.4	88.2	68.5	48.8	39.7	30.6	29.7	28.6	29.3	29.7	28.6
85°	57.2	44.5	36.7	29.0	22.9	16.8	16.8	16.6	17.5	18.4	17.5
87.5°	24.7	15.7	13.4	10.9	6.1	1.1	1.4	1.4	1.8	2.3	2.0
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: P320495
 CATALOG NUMBER: GLEON-SA1D-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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1562.8	1546.2	1529.4	1511.1	1514.5	1500.4	1486.3	1477.5	1468.6	1465.9	1463.2
5°	1262.9	1244.1	1225.0	1208.0	1222.7	1212.7	1202.8	1201.4	1199.8	1199.8	1199.6
7.5°	934.4	914.2	893.8	879.7	894.2	892.4	890.6	900.4	910.1	918.1	925.8
10°	759.3	734.8	710.0	689.2	685.5	675.1	664.4	666.7	668.8	677.4	686.0
12.5°	659.9	630.6	601.4	576.9	565.8	548.5	531.1	520.2	509.3	510.4	511.3
15°	546.7	518.4	489.8	468.7	461.6	448.3	434.9	421.3	407.4	401.8	395.9
17.5°	418.1	395.4	372.5	358.4	358.4	354.6	350.7	343.9	336.9	331.2	325.3
20°	306.5	294.5	282.2	276.3	278.1	278.3	278.3	281.7	285.2	283.3	281.5
22.5°	253.6	249.3	245.0	242.5	243.4	243.6	243.9	247.0	250.0	252.3	254.3
25°	228.9	226.2	223.4	222.5	224.6	224.8	224.8	226.9	228.9	231.2	233.4
27.5°	209.6	208.5	207.3	205.8	207.8	207.8	207.6	209.8	211.9	213.9	215.7
30°	191.2	191.7	191.9	191.5	192.8	193.7	194.4	196.0	197.4	198.9	200.5
32.5°	178.3	177.6	176.9	176.5	179.4	181.0	182.6	184.2	185.6	186.2	186.9
35°	165.8	164.2	162.7	161.5	164.2	166.3	168.3	171.3	174.0	174.4	174.9
37.5°	157.4	155.4	153.4	152.0	153.1	154.0	154.9	158.1	161.3	163.1	164.7
40°	149.5	147.5	145.4	144.3	145.0	145.2	145.4	147.0	148.4	151.8	154.9
42.5°	143.1	140.6	138.2	136.8	137.2	137.7	137.9	137.7	137.5	140.6	143.8
45°	136.8	134.1	131.3	129.8	130.0	130.0	130.0	129.5	128.9	130.4	132.0
47.5°	131.8	128.6	125.4	123.9	123.4	123.0	122.5	122.3	121.8	123.0	123.9
50°	126.8	123.4	119.8	118.0	116.8	116.4	115.9	115.7	115.2	116.4	117.3
52.5°	123.0	118.9	114.8	111.8	110.7	110.0	109.3	109.6	109.6	110.0	110.2
55°	116.1	112.5	108.7	106.6	104.6	104.1	103.7	104.4	104.8	104.8	104.8
57.5°	108.7	105.3	101.6	100.3	98.5	98.5	98.2	99.1	99.8	100.3	100.7
60°	102.1	98.2	94.4	93.2	92.6	92.3	92.1	93.2	94.1	95.1	96.0
62.5°	96.0	91.9	87.8	86.4	86.2	86.4	86.4	87.6	88.5	89.4	90.3
65°	89.2	85.1	80.8	79.4	79.9	80.5	81.2	82.1	82.8	83.7	84.6
67.5°	81.7	78.3	74.6	73.3	73.5	74.4	75.3	76.0	76.4	77.4	78.3
70°	73.5	70.6	67.6	66.7	66.5	67.6	68.5	69.0	69.4	70.6	71.5
72.5°	64.7	62.2	59.7	59.0	59.2	59.9	60.6	61.2	61.7	62.8	63.7
75°	55.6	53.3	51.0	50.6	51.0	51.7	52.4	52.9	53.3	54.7	55.8
77.5°	46.7	44.2	41.5	41.3	42.0	42.6	43.1	43.8	44.5	46.3	48.1
80°	37.4	34.7	31.8	31.5	32.2	32.9	33.6	34.3	34.9	37.2	39.2
82.5°	27.4	24.3	21.1	20.6	22.9	23.6	24.3	25.4	26.3	28.4	30.4
85°	16.6	13.4	10.2	10.0	12.0	13.2	14.3	15.7	16.8	18.6	20.4
87.5°	1.8	0.9	0.0	0.0	0.2	1.1	2.0	3.2	4.3	6.1	7.7
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: P320495
 CATALOG NUMBER: GLEON-SA1D-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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1453.2	1443.0	1453.4	1463.6	1468.0	1472.3	1461.2	1449.8	1467.5	1485.0	1489.5
5°	1190.5	1181.2	1188.2	1195.1	1179.9	1164.7	1163.1	1161.3	1174.4	1187.6	1189.6
7.5°	922.8	919.9	926.5	933.0	913.8	894.2	884.7	875.2	878.4	881.5	881.1
10°	688.0	689.9	698.0	706.0	691.0	676.0	669.4	662.9	670.1	677.2	683.7
12.5°	515.4	519.3	527.9	536.3	530.2	523.8	524.5	525.2	533.6	541.7	549.0
15°	400.4	404.9	411.1	417.0	417.2	417.2	423.1	428.7	428.1	427.4	432.4
17.5°	331.4	337.3	338.0	338.7	338.9	339.1	338.7	338.2	334.8	331.4	335.3
20°	283.8	285.8	287.6	289.2	287.2	284.9	279.3	273.6	271.3	269.0	272.7
22.5°	258.2	261.8	260.0	257.9	253.8	249.5	245.2	240.7	240.5	240.0	242.1
25°	236.6	239.6	236.4	233.2	230.3	227.3	224.4	221.4	221.2	221.0	221.9
27.5°	218.7	221.4	218.5	215.5	213.0	210.5	208.2	206.0	205.5	205.1	205.3
30°	203.3	205.8	203.3	200.5	198.7	196.7	195.1	193.5	193.3	193.1	193.1
32.5°	189.4	191.9	190.1	188.3	186.7	185.1	184.0	182.8	181.7	180.6	178.1
35°	177.4	179.9	178.8	177.4	175.6	173.8	171.7	169.5	166.5	163.3	162.0
37.5°	167.2	169.7	168.6	167.4	164.9	162.4	158.8	154.9	154.0	152.9	152.7
40°	159.0	162.9	160.6	158.1	154.3	150.4	148.6	146.8	146.3	145.9	145.4
42.5°	149.9	155.8	151.8	147.7	144.1	140.4	140.0	139.5	139.3	139.1	139.1
45°	138.6	145.0	140.9	136.6	134.5	132.5	132.5	132.5	132.7	132.7	133.2
47.5°	127.9	131.8	129.8	127.7	126.6	125.4	125.7	125.9	126.6	127.0	128.2
50°	118.9	120.2	120.7	120.9	120.2	119.6	120.0	120.2	120.9	121.4	122.3
52.5°	112.3	114.3	114.3	114.1	114.1	114.1	114.6	115.0	115.7	116.4	117.3
55°	108.0	110.9	110.0	109.1	109.3	109.3	109.8	110.2	110.9	111.4	112.7
57.5°	103.9	107.1	106.2	105.3	105.3	105.3	105.5	105.7	106.4	106.8	107.8
60°	99.1	102.3	101.4	100.3	100.5	100.7	100.9	100.9	101.4	101.6	101.6
62.5°	93.5	96.6	95.7	94.6	95.3	95.7	95.7	95.7	96.2	96.4	95.7
65°	87.6	90.5	89.6	88.7	89.6	90.3	90.7	91.0	90.7	90.5	89.8
67.5°	81.2	84.2	83.3	82.1	83.3	84.2	85.1	85.7	85.1	84.4	83.5
70°	74.4	77.4	76.2	75.1	76.2	77.4	78.3	79.2	78.3	77.4	77.1
72.5°	67.1	70.6	69.2	67.8	69.2	70.6	71.0	71.5	70.8	70.1	69.6
75°	59.2	62.6	61.5	60.1	61.2	62.4	62.6	62.8	62.8	62.6	61.2
77.5°	50.8	53.5	52.9	52.2	52.9	53.5	53.5	53.5	53.8	53.8	51.9
80°	40.8	42.4	42.6	42.9	43.1	43.3	43.1	42.9	42.4	42.0	40.8
82.5°	30.4	30.4	32.2	33.8	33.8	33.6	33.3	32.9	32.0	30.9	28.4
85°	19.3	18.1	21.1	23.8	23.8	23.6	23.1	22.5	20.6	18.6	16.6
87.5°	6.6	5.4	8.4	11.3	11.6	11.6	11.1	10.7	8.8	6.8	5.2
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: P320495
 CATALOG NUMBER: GLEON-SA1D-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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1496.3	1499.3	1502.0	1524.2	1546.2	1572.1	1597.9	1617.7	1637.2	1657.4	1677.6
5°	1196.6	1200.3	1203.9	1230.9	1257.7	1293.7	1329.8	1360.9	1392.0	1428.5	1465.0
7.5°	887.0	894.9	902.6	931.5	960.0	998.8	1037.4	1078.0	1118.4	1166.0	1213.7
10°	696.7	711.6	726.4	755.9	785.4	823.7	861.8	904.2	946.7	993.6	1040.3
12.5°	564.0	583.9	603.7	639.0	674.4	720.3	765.9	813.0	860.0	901.3	942.6
15°	445.5	467.3	488.9	526.3	563.7	614.1	664.2	715.7	767.0	816.4	865.9
17.5°	347.5	365.5	383.2	414.9	446.4	495.2	544.0	598.0	652.0	712.3	772.4
20°	280.4	287.9	295.4	318.3	341.0	380.7	420.1	475.3	530.4	602.5	674.7
22.5°	245.7	249.5	253.2	264.3	275.2	300.8	326.2	375.0	423.5	502.2	580.7
25°	224.8	227.8	230.7	238.0	245.2	257.5	269.7	304.0	338.2	415.6	492.7
27.5°	206.0	210.5	214.8	218.2	221.4	229.8	238.0	260.4	282.9	355.0	426.9
30°	192.4	194.0	195.5	200.8	205.8	214.4	223.0	238.6	254.3	315.3	376.1
32.5°	176.5	178.8	181.0	186.5	191.9	199.9	207.8	220.5	233.0	285.2	337.1
35°	162.2	164.5	166.7	172.2	177.4	186.0	194.4	205.1	215.5	260.9	306.2
37.5°	153.4	155.6	157.9	162.7	167.2	175.8	184.2	192.6	200.8	242.7	284.7
40°	145.9	148.1	150.4	154.9	159.2	167.6	175.8	182.8	189.9	229.1	268.4
42.5°	139.3	141.8	144.3	148.8	153.1	160.6	168.1	177.4	186.5	217.3	247.9
45°	133.8	136.3	138.6	143.6	148.6	155.8	163.1	176.0	189.0	211.2	233.4
47.5°	128.9	131.6	134.1	139.5	145.0	154.0	162.9	173.8	184.4	206.4	228.4
50°	124.1	127.3	130.4	137.0	143.4	158.6	173.5	175.1	176.5	202.6	228.4
52.5°	119.6	123.2	126.8	135.0	142.9	160.6	178.3	172.6	166.7	195.3	223.9
55°	115.0	118.2	121.1	131.1	141.1	154.0	167.0	159.5	151.8	181.7	211.7
57.5°	108.9	112.3	115.5	126.1	136.8	145.9	154.7	147.9	140.9	166.3	191.5
60°	102.5	106.4	110.2	123.9	137.2	135.7	133.8	132.5	130.9	149.0	167.2
62.5°	96.9	100.9	105.0	122.7	140.4	129.5	118.6	119.8	120.7	134.1	147.5
65°	91.2	95.3	99.1	108.0	116.8	112.5	108.2	110.0	111.6	124.8	137.9
67.5°	84.8	88.5	91.9	94.8	97.8	98.2	98.7	100.5	102.3	118.0	133.4
70°	77.8	80.8	83.7	85.7	87.6	88.5	89.2	91.4	93.7	110.7	127.7
72.5°	69.9	72.4	74.6	76.4	78.3	78.9	79.4	81.7	83.9	102.1	120.2
75°	61.2	63.3	65.1	66.7	68.3	69.2	70.1	71.7	73.3	93.0	112.5
77.5°	51.7	53.8	55.6	56.9	58.1	59.0	59.7	61.7	63.7	80.3	96.6
80°	40.4	42.9	45.1	46.3	47.2	47.4	47.4	49.2	51.0	62.8	74.4
82.5°	28.6	31.3	33.8	34.7	35.6	35.6	35.6	37.7	39.7	47.6	55.4
85°	16.8	19.7	22.5	23.4	24.3	24.7	25.0	25.9	26.5	32.2	37.7
87.5°	5.2	7.7	10.0	10.4	10.9	11.8	12.7	12.9	12.9	16.8	20.6
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: P320495
 CATALOG NUMBER: GLEON-SA1D-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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1700.7	1723.8	1750.8	1777.6	1800.5	1823.4	1842.5
5°	1511.5	1558.0	1615.0	1671.7	1722.3	1772.8	1831.6
7.5°	1273.8	1333.9	1407.6	1481.3	1552.8	1624.0	1714.3
10°	1101.6	1162.6	1240.7	1318.5	1398.8	1478.8	1580.9
12.5°	992.2	1041.7	1117.2	1192.8	1287.2	1381.3	1479.5
15°	920.1	974.1	1047.6	1121.1	1224.3	1327.5	1440.5
17.5°	843.2	913.8	1007.9	1102.0	1224.3	1346.4	1479.5
20°	762.7	850.5	972.5	1094.6	1259.3	1423.7	1593.6
22.5°	682.4	784.0	940.5	1096.8	1312.1	1527.2	1756.5
25°	610.0	727.3	921.0	1114.5	1389.0	1663.3	1947.7
27.5°	555.1	683.1	913.1	1142.9	1486.6	1830.2	2155.8
30°	506.3	636.5	903.6	1170.6	1580.5	1990.2	2318.4
32.5°	464.1	591.2	885.2	1178.9	1646.0	2113.1	2456.1
35°	431.0	555.8	854.3	1152.9	1687.1	2221.3	2599.5
37.5°	402.4	520.2	819.2	1118.2	1723.6	2329.1	2760.8
40°	375.2	482.1	789.0	1095.7	1774.0	2452.3	2931.2
42.5°	349.4	450.8	764.7	1078.7	1820.7	2562.5	3080.2
45°	330.1	426.7	743.2	1059.4	1850.9	2642.4	3192.5
47.5°	320.5	412.4	731.6	1050.6	1881.1	2711.3	3285.7
50°	319.2	409.9	744.8	1079.6	1946.4	2813.0	3392.3
52.5°	319.0	414.0	782.6	1151.3	2067.8	2984.0	3507.8
55°	314.2	416.5	827.8	1238.8	2230.6	3222.2	3715.4
57.5°	299.7	407.9	874.3	1340.5	2402.8	3464.9	3949.3
60°	277.2	387.0	912.6	1438.0	2518.5	3598.8	4039.3
62.5°	249.1	350.5	925.3	1499.9	2515.3	3530.7	3948.6
65°	225.0	312.1	883.6	1454.8	2388.1	3321.1	3769.1
67.5°	203.7	273.8	779.2	1284.4	2159.2	3033.7	3540.9
70°	188.3	248.6	644.7	1040.8	1872.7	2704.3	3276.6
72.5°	178.5	236.6	525.6	814.4	1519.7	2224.7	2802.8
75°	165.1	217.8	412.4	606.8	1163.1	1719.3	2117.0
77.5°	140.2	183.5	310.8	438.1	853.4	1268.6	1472.3
80°	108.2	141.8	213.7	285.6	587.3	889.0	1003.8
82.5°	77.1	98.9	129.5	160.2	390.2	620.0	629.5
85°	47.6	57.6	74.2	90.7	258.2	425.6	354.6
87.5°	25.6	30.6	39.2	47.6	82.6	117.5	67.6
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: P320495

CATALOG NUMBER: GLEON-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

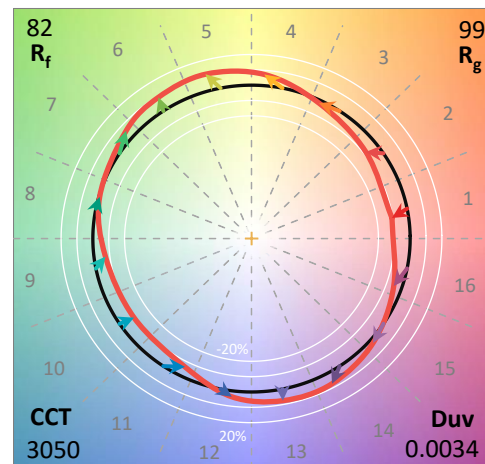
Test Information

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

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength



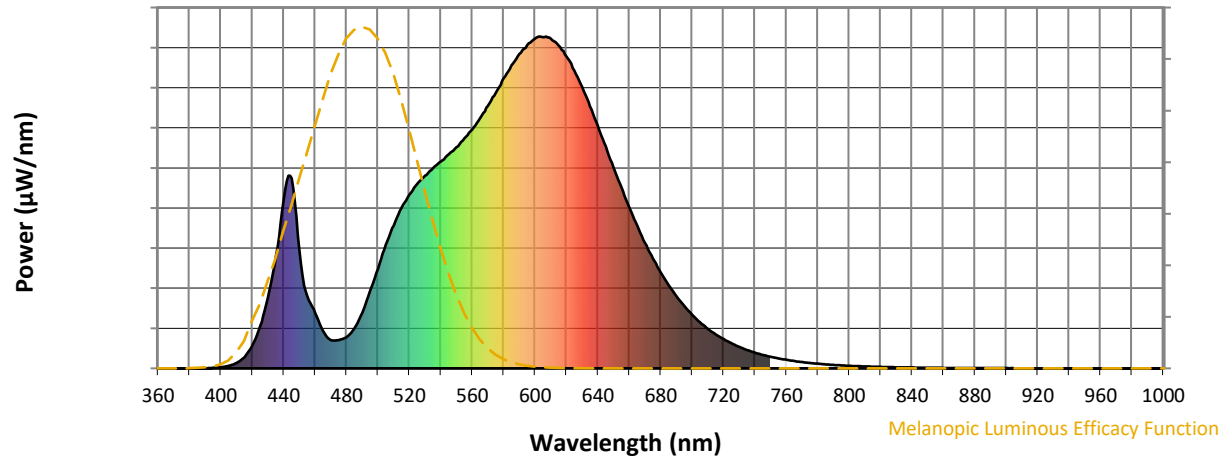
Scotopic Lumens: NR

S/P: 1.27

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

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

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

REPORT NUMBER: SP1-2408-195-9

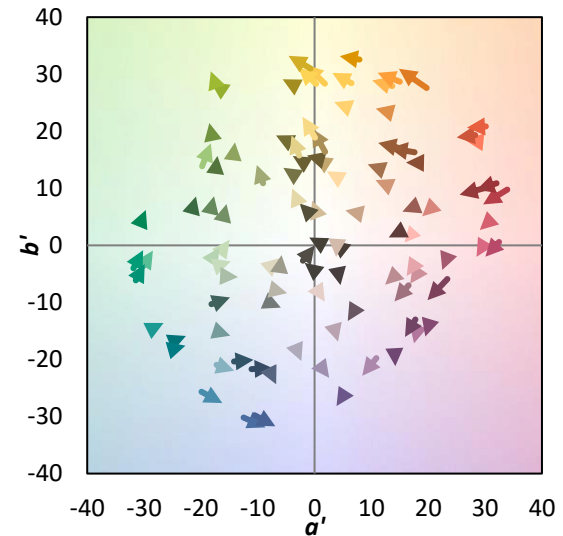
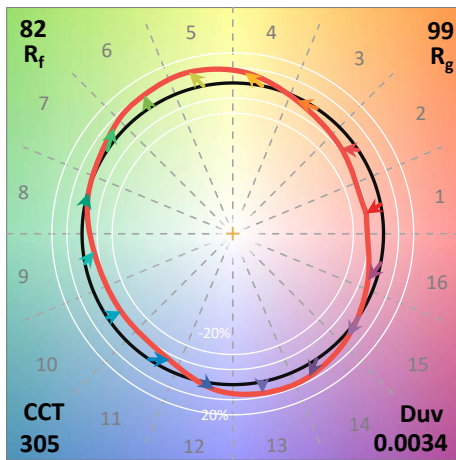
TM-30-18

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)