

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: P320481

Luminaire Tested: **GLEON-SA7B-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320481
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-SA7B-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28227 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

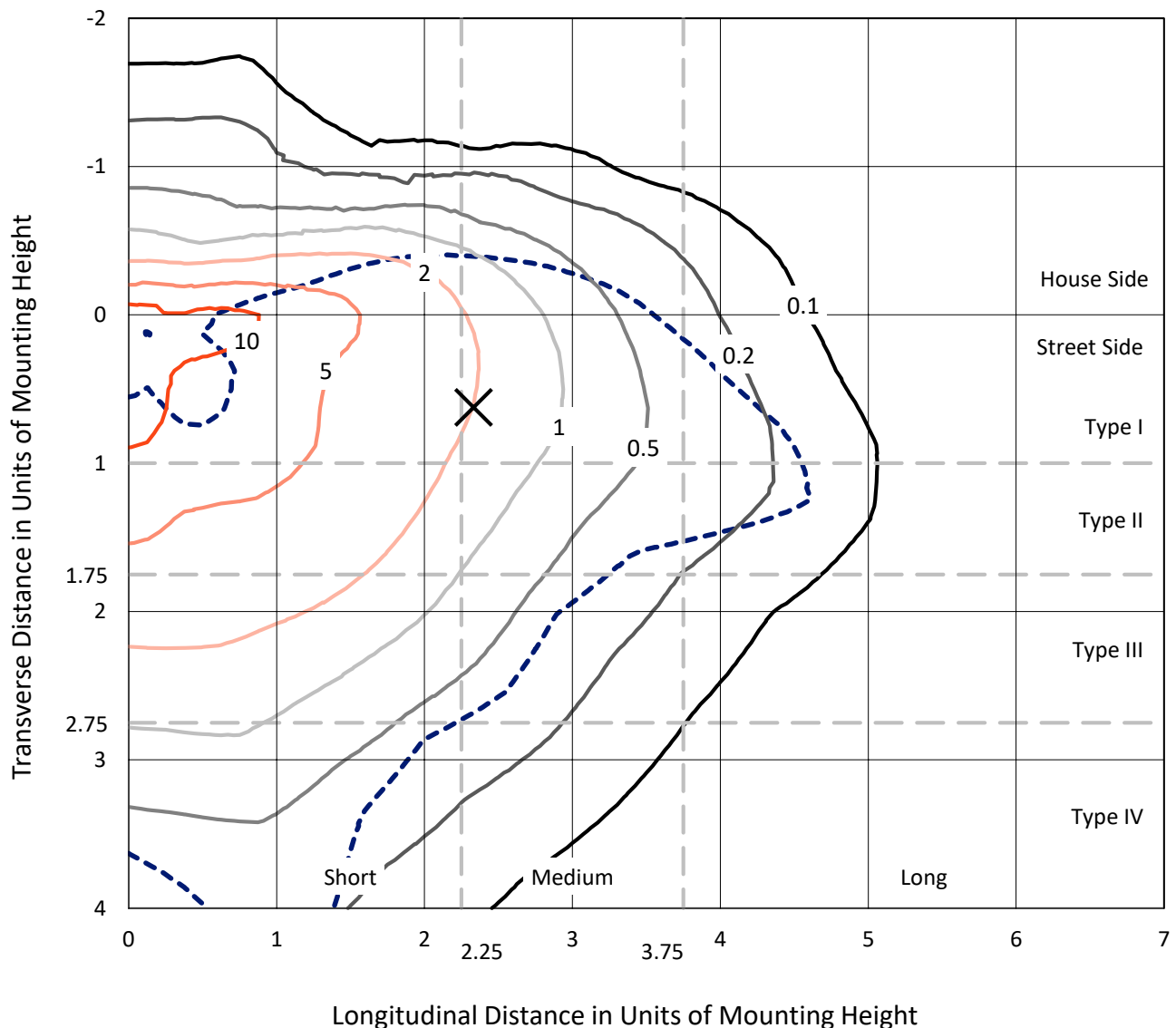
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

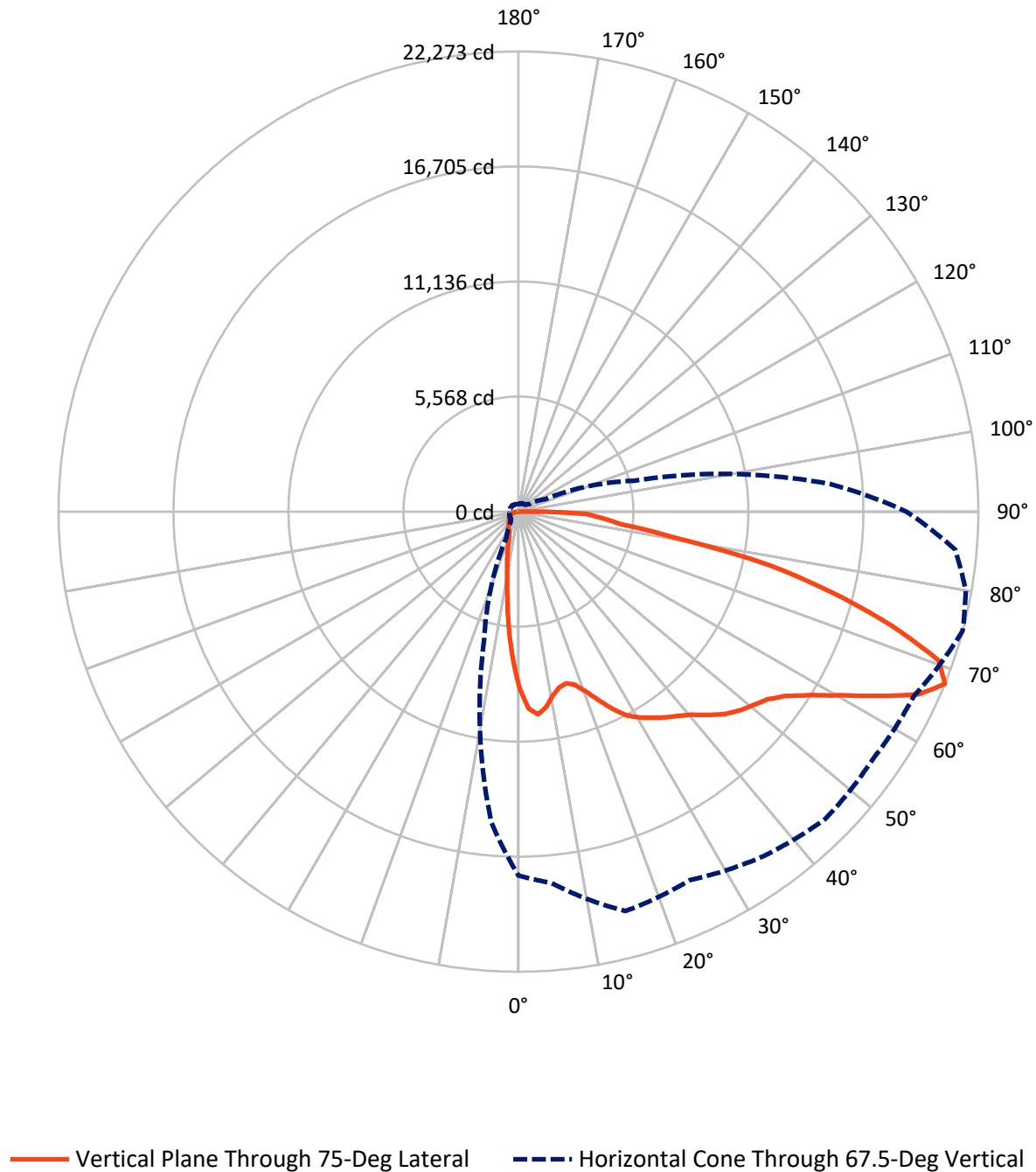
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4971.5	0.0	4971.5
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	23255.5	0.0	23255.5
	% Fixture	82.4	0.0	82.4
Total	Lumens	28227.0	0.0	28227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.7	2.4
10°-20°	1378.7	4.9
20°-30°	1960.9	6.9
30°-40°	2825.6	10.0
40°-50°	3982.1	14.1
50°-60°	5535.8	19.6
60°-70°	6694.4	23.7
70°-80°	4115.0	14.6
80°-90°	1070.8	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°	28227.0	100.0
0°-180°	28227.0	100.0

Coefficient of Utilization



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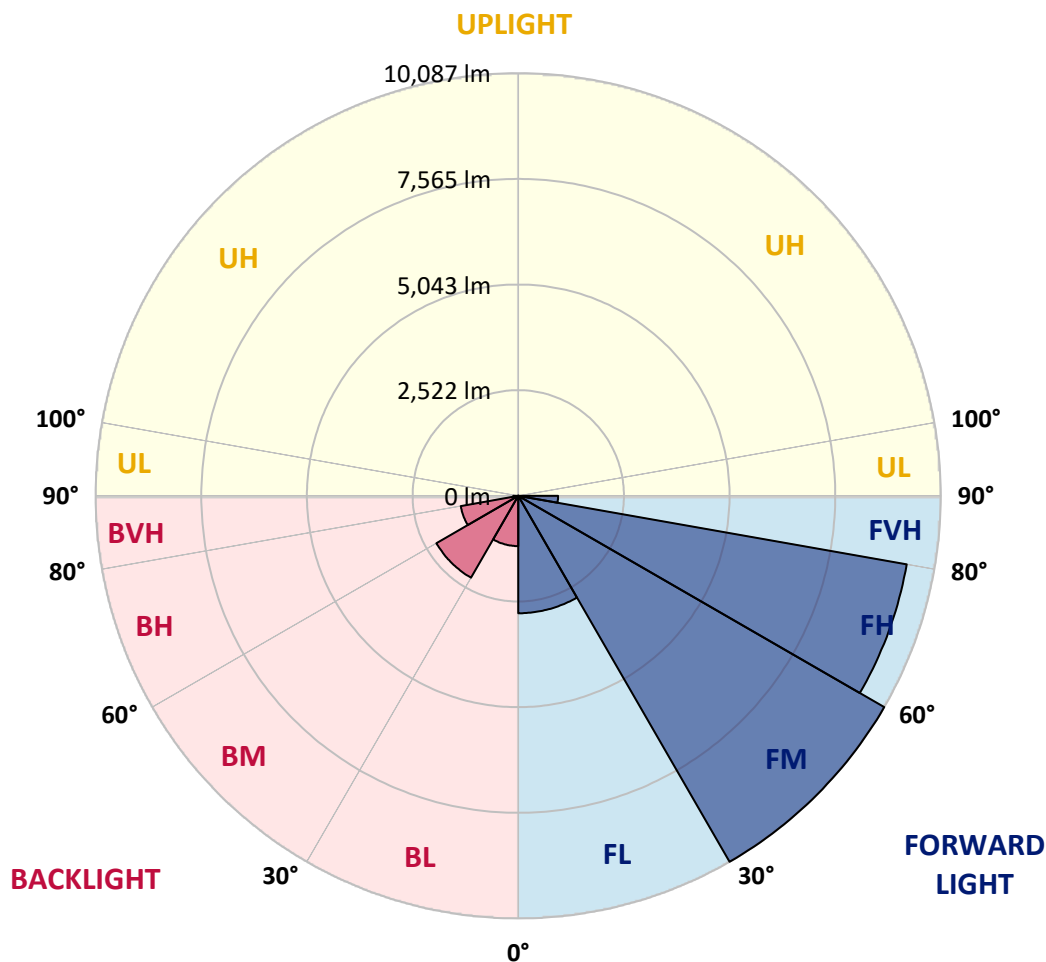
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2802.7	9.9			
FM	(30°-60°)	10086.8	35.7			
FH	(60°-80°)	9415.6	33.4			G4/12000
FVH	(80°-90°)	950.5	3.4			G5
BL	(0°-30°)	1200.7	4.3	B3/2500		
BM	(30°-60°)	2256.7	8.0	B2/2500		
BH	(60°-80°)	1393.8	4.9	B3/2500		G3/2500
BVH	(80°-90°)	120.3	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	9166.0	9286.8	9370.3	9452.7	9517.0	9580.2	9672.7	9765.3	9783.3	9800.3	9764.1
5°	9111.8	9406.4	9656.9	9906.3	10137.7	10369.0	10507.9	10646.7	10674.9	10703.1	10616.2
7.5°	8528.4	8962.9	9397.4	9831.9	10230.2	10628.6	10871.2	11112.8	11168.0	11222.2	11080.0
10°	7864.8	8370.4	8904.2	9438.0	9962.8	10487.5	10838.5	11189.5	11259.5	11329.4	11152.2
12.5°	7360.3	7912.2	8482.1	9052.0	9606.1	10159.1	10522.5	10885.9	10972.8	11059.7	10931.1
15°	7166.2	7771.1	8307.2	8843.3	9326.3	9808.2	10106.1	10402.9	10439.0	10474.0	10453.7
17.5°	7360.3	8027.3	8512.6	8996.7	9259.7	9521.5	9641.1	9759.6	9799.1	9837.5	9889.4
20°	7928.0	8648.0	8990.0	9330.8	9319.5	9307.1	9249.5	9190.8	9180.7	9170.5	9317.2
22.5°	8738.3	9574.5	9711.1	9846.5	9529.4	9212.3	9019.3	8825.2	8786.8	8747.3	8903.1
25°	9689.7	10580.1	10555.3	10529.3	9925.5	9320.6	8952.7	8584.8	8541.9	8499.0	8632.2
27.5°	10724.5	11575.5	11412.9	11250.4	10430.0	9609.5	9075.7	8541.9	8499.0	8456.2	8573.5
30°	11533.7	12305.6	12044.9	11784.2	10855.4	9926.7	9292.4	8658.2	8588.2	8517.1	8661.6
32.5°	12218.7	12875.5	12525.7	12175.8	11200.8	10225.7	9539.6	8853.4	8743.9	8634.5	8827.5
35°	12932.0	13444.3	12952.3	12459.1	11508.9	10557.5	9831.9	9105.1	8970.8	8836.5	9101.7
37.5°	13734.4	14159.8	13453.3	12745.8	11855.3	10964.9	10269.7	9573.4	9435.7	9298.1	9636.6
40°	14581.9	14936.2	13993.9	13051.6	12234.5	11417.5	10875.8	10332.9	10202.0	10070.0	10480.8
42.5°	15323.3	15581.8	14497.2	13412.7	12691.6	11969.3	11587.9	11205.3	11204.2	11201.9	11618.3
45°	15882.0	16106.5	14917.1	13726.5	13137.4	12547.1	12348.5	12149.9	12309.0	12468.1	12845.1
47.5°	16345.8	16498.2	15269.2	14039.1	13647.5	13255.9	13285.2	13314.5	13638.4	13962.3	14205.0
50°	16876.2	16753.2	15588.5	14422.8	14302.0	14181.3	14445.3	14708.3	15080.7	15452.0	15616.8
52.5°	17450.6	17124.5	16021.9	14918.2	15053.6	15189.0	15726.2	16263.4	16639.2	17015.0	17077.1
55°	18483.3	17983.3	16818.7	15652.9	15913.6	16173.1	16962.0	17749.7	18043.1	18336.5	18359.1
57.5°	19646.8	19203.3	17934.8	16666.3	16946.2	17226.1	18136.8	19046.4	19363.5	19679.5	19635.5
60°	20094.8	20116.3	18994.5	17871.6	18153.7	18435.9	19322.9	20209.9	20574.4	20937.8	20840.8
62.5°	19643.4	20172.7	19573.4	18973.0	19229.2	19484.3	20353.2	21222.2	21595.8	21969.3	21800.0
65°	18750.7	19275.5	19544.1	19812.7	19897.3	19982.0	20793.4	21603.7	21890.3	22175.8	22090.1
67.5°	17615.4	18039.7	19030.6	20020.3	19849.9	19679.5	20059.8	20440.1	20734.7	21029.2	20980.7
70°	16300.7	16806.2	18127.8	19449.3	18611.9	17773.4	17616.5	17459.7	17777.9	18095.0	17898.7
72.5°	13943.1	14706.0	16115.6	17524.0	15981.3	14438.6	13902.5	13366.4	13769.3	14172.2	13859.6
75°	10531.6	11543.9	13101.2	14657.5	12816.8	10976.2	10260.7	9545.2	9891.7	10238.1	10023.7
77.5°	7324.2	8593.8	10127.5	11661.2	9790.1	7917.8	7386.3	6853.6	6957.5	7060.2	7024.0
80°	4993.8	5828.9	6898.8	7967.5	6721.6	5475.7	5517.4	5558.1	5509.5	5459.9	5532.1
82.5°	3131.7	3719.7	4545.8	5370.7	4709.4	4048.1	4427.3	4806.5	4620.2	4432.9	4502.9
85°	1763.9	2122.8	2930.8	3737.7	3483.8	3228.8	3451.1	3672.3	3383.4	3094.5	3222.0
87.5°	336.3	559.8	1621.7	2682.5	2435.4	2188.2	1901.6	1614.9	1232.4	849.8	1241.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	9728.0	9708.8	9689.7	9620.8	9550.8	9447.0	9361.3	9212.3	9131.0	9008.0	8885.0
5°	10528.2	10406.3	10284.4	10074.5	9863.5	9628.7	9359.0	9059.9	8834.2	8540.8	8247.4
7.5°	10937.8	10653.4	10367.9	9965.0	9561.0	9197.6	8771.0	8373.8	8035.2	7653.8	7272.3
10°	10975.1	10548.5	10120.8	9597.1	9072.3	8631.1	8140.2	7698.9	7292.6	6854.8	6415.8
12.5°	10801.3	10347.6	9892.8	9316.1	8738.3	8237.2	7709.1	7214.8	6764.5	6282.6	5799.6
15°	10433.4	10071.1	9707.7	9167.1	8626.6	8121.0	7608.6	7022.9	6513.9	6020.8	5526.5
17.5°	9940.2	9768.7	9596.0	9205.5	8813.9	8376.0	7879.5	7192.2	6596.3	6060.3	5524.2
20°	9462.8	9526.0	9588.1	9432.4	9276.6	8925.6	8492.3	7720.4	6959.7	6258.9	5556.9
22.5°	9057.7	9361.3	9663.7	9784.5	9904.1	9693.0	9354.5	8461.8	7455.1	6539.9	5624.7
25°	8764.3	9267.6	9770.9	10172.7	10573.3	10479.6	10218.9	9362.4	8112.0	6945.0	5777.0
27.5°	8690.9	9308.2	9925.5	10548.5	11170.3	11257.2	11185.0	10311.5	8895.2	7448.4	6000.5
30°	8806.0	9431.2	10055.3	10813.7	11570.9	11917.4	12014.5	11102.6	9790.1	8035.2	6279.2
32.5°	9020.4	9633.2	10246.0	11072.1	11897.1	12420.7	12730.0	11826.0	10414.2	8477.6	6539.9
35°	9366.9	9940.2	10513.5	11373.4	12233.4	12910.5	13474.8	12573.1	10968.3	8786.8	6604.2
37.5°	9974.1	10467.2	10960.4	11754.9	12548.3	13426.3	14273.8	13395.8	11567.6	9084.8	6600.8
40°	10891.6	11240.3	11587.9	12259.3	12929.7	14034.5	15178.9	14313.3	12230.0	9407.5	6585.0
42.5°	12034.8	12214.2	12392.5	12924.1	13455.6	14669.9	16000.5	15210.5	12862.0	9707.7	6553.4
45°	13220.9	13268.3	13315.7	13650.8	13984.9	15173.2	16560.2	15884.2	13413.8	9968.4	6521.8
47.5°	14446.5	14284.0	14121.4	14254.6	14387.8	15559.2	16959.7	16395.5	13968.0	10257.3	6545.5
50°	15781.5	15329.0	14876.4	14806.5	14736.5	15945.2	17430.3	17045.5	14633.8	10678.3	6722.7
52.5°	17138.0	16392.1	15646.1	15369.6	15092.0	16405.6	18054.4	17854.7	15584.0	11330.6	7076.0
55°	18381.7	17432.6	16483.5	16111.1	15738.6	17109.8	18816.2	19043.0	16801.7	12164.6	7526.2
57.5°	19590.4	18514.9	17439.4	17094.0	16748.7	18144.7	19781.1	20109.5	18031.8	12964.7	7896.4
60°	20743.7	19679.5	18614.2	18337.7	18060.1	19431.2	20823.9	20584.6	18666.1	13339.4	8011.5
62.5°	21630.8	20784.4	19937.9	19792.4	19645.7	20732.4	21625.1	20399.5	18263.2	12970.3	7677.5
65°	22004.3	21522.4	21039.4	21176.0	21311.4	21716.5	21824.9	19857.8	16997.0	11936.6	6876.2
67.5°	20931.1	21029.2	21127.4	21700.7	22272.9	21994.1	21231.3	18790.2	15194.7	10471.7	5748.8
70°	17701.2	18290.3	18878.2	20234.8	21590.1	20971.7	19641.1	16874.0	13025.6	8784.6	4542.4
72.5°	13545.9	14208.3	14869.7	16883.0	18895.2	18325.3	16695.6	13859.6	10443.5	7015.0	3585.4
75°	9808.2	10556.4	11303.5	13524.4	15745.4	14954.3	12488.4	9923.3	7932.5	5354.9	2776.2
77.5°	6986.8	7487.9	7988.9	10182.8	12375.6	11086.8	8312.8	6677.6	5490.4	3721.9	1952.4
80°	5604.3	5450.9	5297.4	6519.6	7741.8	7527.4	5498.3	4288.5	3799.8	2494.1	1188.4
82.5°	4571.7	4197.0	3822.4	4397.9	4973.5	4941.9	3815.6	3146.4	2828.1	1733.4	638.8
85°	3348.4	3198.3	3048.2	3557.2	4066.1	3631.6	2584.4	1999.8	2205.2	1276.4	347.6
87.5°	1633.0	1865.5	2096.8	2697.2	3296.5	2474.9	784.3	388.2	537.2	353.2	168.2
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: P320481
 CATALOG NUMBER: GLEON-SA7B-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: P320481

CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	8793.6	8701.1	8596.1	8491.1	8371.5	8250.8	8179.7	8107.4	8029.6	7951.7	7863.7
5°	8053.3	7859.2	7639.1	7419.0	7201.2	6983.4	6866.0	6748.7	6624.5	6499.3	6390.9
7.5°	6990.2	6706.9	6402.2	6096.4	5825.5	5553.6	5385.4	5216.1	5062.6	4908.0	4778.2
10°	6054.6	5693.5	5387.7	5080.7	4876.4	4672.2	4517.6	4362.9	4214.0	4063.9	3920.6
12.5°	5438.4	5077.3	4883.2	4689.1	4519.8	4350.5	4172.2	3992.8	3788.5	3583.1	3433.0
15°	5198.1	4869.7	4654.1	4437.4	4210.6	3982.6	3763.7	3544.7	3303.2	3061.7	2891.3
17.5°	5094.2	4664.3	4362.9	4060.5	3761.4	3462.4	3208.4	2954.5	2690.4	2426.4	2253.7
20°	4984.8	4412.6	4008.6	3603.4	3219.7	2836.0	2548.2	2260.5	2024.6	1788.7	1656.7
22.5°	4885.5	4145.1	3638.4	3130.6	2676.9	2223.2	1941.1	1657.8	1513.4	1368.9	1315.9
25°	4844.8	3911.5	3288.6	2665.6	2187.1	1707.5	1506.6	1305.7	1250.4	1194.0	1166.9
27.5°	4851.6	3702.7	2994.0	2284.2	1853.1	1422.0	1284.3	1146.6	1112.7	1077.8	1060.8
30°	4877.6	3475.9	2716.4	1956.9	1601.4	1245.9	1156.8	1066.5	1030.4	994.2	972.8
32.5°	4906.9	3272.8	2502.0	1730.1	1440.0	1148.9	1075.5	1001.0	966.0	931.0	909.6
35°	4856.1	3106.9	2355.3	1603.7	1336.2	1067.6	1005.5	942.3	904.0	865.6	845.3
37.5°	4770.3	2939.9	2241.3	1541.6	1268.5	994.2	949.1	902.8	863.3	822.7	803.5
40°	4692.5	2798.8	2156.6	1513.4	1231.2	948.0	909.6	871.2	830.6	788.9	766.3
42.5°	4629.3	2704.0	2073.1	1442.3	1197.4	951.4	897.2	841.9	802.4	762.9	738.1
45°	4581.9	2641.9	2007.7	1373.4	1165.8	958.1	889.3	820.4	781.0	740.3	711.0
47.5°	4577.4	2609.2	1961.4	1313.6	1106.0	897.2	869.0	840.8	783.2	724.5	690.7
50°	4639.4	2556.1	1907.2	1257.2	1048.4	839.6	878.0	915.2	817.1	717.8	674.9
52.5°	4769.2	2462.5	1821.5	1180.5	978.4	775.3	835.1	893.8	809.2	723.4	668.1
55°	4926.1	2324.8	1691.7	1057.4	885.9	713.2	766.3	818.2	765.2	711.0	644.4
57.5°	5024.3	2151.0	1528.0	905.1	782.1	659.1	689.5	718.9	697.4	676.0	608.3
60°	4965.6	1919.6	1344.1	767.4	690.7	613.9	608.3	601.5	633.1	664.7	586.8
62.5°	4678.9	1680.4	1181.6	682.8	625.2	566.5	554.1	540.6	592.5	643.3	560.9
65°	4194.8	1513.4	1078.9	644.4	580.1	515.7	502.2	488.7	504.5	520.3	481.9
67.5°	3579.7	1410.7	1020.2	629.7	551.9	472.9	457.1	441.3	437.9	434.5	420.9
70°	2945.5	1347.5	981.8	616.2	521.4	425.5	410.8	396.1	391.6	386.0	375.8
72.5°	2462.5	1339.6	977.3	615.1	496.6	378.1	364.5	351.0	345.3	338.6	330.7
75°	2016.7	1257.2	927.7	598.1	462.7	326.1	313.7	301.3	296.8	291.2	284.4
77.5°	1496.4	1040.5	779.8	519.1	396.1	273.1	260.7	247.2	246.0	243.8	238.1
80°	970.5	752.7	557.5	362.3	288.9	214.4	204.3	193.0	194.1	195.2	190.7
82.5°	539.4	439.0	340.8	242.6	197.5	152.4	147.8	142.2	145.6	147.8	142.2
85°	284.4	221.2	182.8	144.5	114.0	83.5	83.5	82.4	86.9	91.4	86.9
87.5°	123.0	77.9	66.6	54.2	30.5	5.6	6.8	6.8	9.0	11.3	10.2
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: P320481
 CATALOG NUMBER: GLEON-SA7B-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: P320481

CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	7774.5	7692.1	7608.6	7517.2	7534.1	7464.2	7394.2	7350.2	7306.2	7292.6	7279.1
5°	6282.6	6188.9	6094.1	6009.5	6082.8	6033.2	5983.5	5976.8	5968.9	5968.9	5967.7
7.5°	4648.5	4548.0	4446.5	4376.5	4448.7	4439.7	4430.7	4479.2	4527.7	4567.2	4605.6
10°	3777.2	3655.3	3532.3	3428.5	3410.5	3358.5	3305.5	3316.8	3326.9	3369.8	3412.7
12.5°	3282.9	3137.3	2991.8	2869.9	2814.6	2728.8	2641.9	2587.7	2533.6	2539.2	2543.7
15°	2719.8	2578.7	2436.5	2331.6	2296.6	2230.0	2163.4	2095.7	2026.9	1998.6	1969.3
17.5°	2079.9	1967.0	1853.1	1783.1	1783.1	1763.9	1744.7	1710.9	1675.9	1647.7	1618.3
20°	1524.7	1464.8	1403.9	1374.6	1383.6	1384.7	1384.7	1401.6	1418.6	1409.5	1400.5
22.5°	1261.7	1240.3	1218.8	1206.4	1210.9	1212.1	1213.2	1229.0	1243.7	1254.9	1265.1
25°	1138.7	1125.2	1111.6	1107.1	1117.3	1118.4	1118.4	1128.5	1138.7	1150.0	1161.3
27.5°	1042.8	1037.1	1031.5	1023.6	1033.7	1033.7	1032.6	1043.9	1054.1	1064.2	1073.2
30°	951.4	953.6	954.7	952.5	959.3	963.8	967.2	975.1	981.8	989.7	997.6
32.5°	887.0	883.6	880.3	878.0	892.7	900.6	908.5	916.4	923.1	926.5	929.9
35°	825.0	817.1	809.2	803.5	817.1	827.2	837.4	852.0	865.6	867.8	870.1
37.5°	783.2	773.1	762.9	756.1	761.8	766.3	770.8	786.6	802.4	811.4	819.3
40°	743.7	733.6	723.4	717.8	721.1	722.3	723.4	731.3	738.1	755.0	770.8
42.5°	712.1	699.7	687.3	680.5	682.8	685.0	686.2	685.0	683.9	699.7	715.5
45°	680.5	667.0	653.4	645.5	646.7	646.7	646.7	644.4	641.0	648.9	656.8
47.5°	655.7	639.9	624.1	616.2	613.9	611.7	609.4	608.3	606.0	611.7	616.2
50°	630.9	613.9	595.9	586.8	581.2	578.9	576.7	575.6	573.3	578.9	583.5
52.5°	611.7	591.4	571.0	556.4	550.7	547.3	544.0	545.1	545.1	547.3	548.5
55°	577.8	559.8	540.6	530.4	520.3	518.0	515.7	519.1	521.4	521.4	521.4
57.5°	540.6	523.6	505.6	498.8	489.8	489.8	488.7	493.2	496.6	498.8	501.1
60°	507.8	488.7	469.5	463.8	460.4	459.3	458.2	463.8	468.3	472.9	477.4
62.5°	477.4	457.1	436.7	430.0	428.8	430.0	430.0	435.6	440.1	444.6	449.2
65°	443.5	423.2	401.8	395.0	397.2	400.6	404.0	408.5	411.9	416.4	420.9
67.5°	406.3	389.3	371.3	364.5	365.6	370.2	374.7	378.1	380.3	384.8	389.3
70°	365.6	351.0	336.3	331.8	330.7	336.3	340.8	343.1	345.3	351.0	355.5
72.5°	321.6	309.2	296.8	293.4	294.5	297.9	301.3	304.7	307.0	312.6	317.1
75°	276.5	265.2	253.9	251.7	253.9	257.3	260.7	263.0	265.2	272.0	277.6
77.5°	232.5	220.1	206.5	205.4	208.8	212.2	214.4	217.8	221.2	230.2	239.3
80°	186.2	172.7	158.0	156.9	160.3	163.6	167.0	170.4	173.8	185.1	195.2
82.5°	136.6	120.8	105.0	102.7	114.0	117.4	120.8	126.4	130.9	141.1	151.2
85°	82.4	66.6	50.8	49.7	59.8	65.5	71.1	77.9	83.5	92.5	101.6
87.5°	9.0	4.5	0.0	0.0	1.1	5.6	10.2	15.8	21.4	30.5	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320481
 CATALOG NUMBER: GLEON-SA7B-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: P320481

CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	7229.4	7178.7	7230.6	7281.4	7302.8	7324.2	7268.9	7212.5	7300.5	7387.4	7410.0
5°	5922.6	5876.3	5911.3	5945.2	5869.5	5793.9	5786.0	5777.0	5842.5	5907.9	5918.1
7.5°	4590.9	4576.2	4609.0	4641.7	4545.8	4448.7	4401.3	4353.9	4369.7	4385.5	4383.3
10°	3422.9	3431.9	3472.5	3512.0	3437.5	3363.1	3330.3	3297.6	3333.7	3368.7	3401.4
12.5°	2564.0	2583.2	2626.1	2667.9	2637.4	2605.8	2609.2	2612.6	2654.3	2695.0	2731.1
15°	1991.9	2014.4	2044.9	2074.3	2075.4	2075.4	2104.7	2132.9	2129.6	2126.2	2151.0
17.5°	1648.8	1678.1	1681.5	1684.9	1686.0	1687.2	1684.9	1682.7	1665.7	1648.8	1668.0
20°	1411.8	1422.0	1431.0	1438.9	1428.7	1417.4	1389.2	1361.0	1349.7	1338.5	1356.5
22.5°	1284.3	1302.3	1293.3	1283.2	1262.8	1241.4	1220.0	1197.4	1196.3	1194.0	1204.2
25°	1177.1	1191.7	1175.9	1160.1	1145.5	1130.8	1116.1	1101.5	1100.3	1099.2	1103.7
27.5°	1087.9	1101.5	1086.8	1072.1	1059.7	1047.3	1036.0	1024.7	1022.5	1020.2	1021.3
30°	1011.2	1023.6	1011.2	997.6	988.6	978.4	970.5	962.6	961.5	960.4	960.4
32.5°	942.3	954.7	945.7	936.7	928.8	920.9	915.2	909.6	904.0	898.3	885.9
35°	882.5	894.9	889.3	882.5	873.5	864.5	854.3	843.0	828.3	812.6	805.8
37.5°	831.7	844.1	838.5	832.9	820.4	808.0	790.0	770.8	766.3	760.6	759.5
40°	791.1	810.3	799.0	786.6	767.4	748.2	739.2	730.2	727.9	725.7	723.4
42.5°	746.0	775.3	755.0	734.7	716.6	698.6	696.3	694.1	692.9	691.8	691.8
45°	689.5	721.1	700.8	679.4	669.2	659.1	659.1	659.1	660.2	660.2	662.5
47.5°	636.5	655.7	645.5	635.4	629.7	624.1	625.2	626.3	629.7	632.0	637.6
50°	591.4	598.1	600.4	601.5	598.1	594.7	597.0	598.1	601.5	603.8	608.3
52.5°	558.6	568.8	568.8	567.7	567.7	567.7	569.9	572.2	575.6	578.9	583.5
55°	537.2	551.9	547.3	542.8	544.0	544.0	546.2	548.5	551.9	554.1	560.9
57.5°	516.9	532.7	528.2	523.6	523.6	523.6	524.8	525.9	529.3	531.5	536.1
60°	493.2	509.0	504.5	498.8	499.9	501.1	502.2	502.2	504.5	505.6	505.6
62.5°	465.0	480.8	476.2	470.6	474.0	476.2	476.2	476.2	478.5	479.6	476.2
65°	435.6	450.3	445.8	441.3	445.8	449.2	451.4	452.5	451.4	450.3	446.9
67.5°	404.0	418.7	414.2	408.5	414.2	418.7	423.2	426.6	423.2	419.8	415.3
70°	370.2	384.8	379.2	373.5	379.2	384.8	389.3	393.9	389.3	384.8	383.7
72.5°	334.0	351.0	344.2	337.4	344.2	351.0	353.2	355.5	352.1	348.7	346.5
75°	294.5	311.5	305.8	299.1	304.7	310.3	311.5	312.6	312.6	311.5	304.7
77.5°	252.8	266.3	263.0	259.6	263.0	266.3	266.3	266.3	267.5	267.5	258.4
80°	203.1	211.0	212.2	213.3	214.4	215.6	214.4	213.3	211.0	208.8	203.1
82.5°	151.2	151.2	160.3	168.2	168.2	167.0	165.9	163.6	159.1	153.5	141.1
85°	95.9	90.3	105.0	118.5	118.5	117.4	115.1	111.7	102.7	92.5	82.4
87.5°	32.7	27.1	41.8	56.4	57.6	57.6	55.3	53.0	44.0	33.9	26.0
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: P320481
 CATALOG NUMBER: GLEON-SA7B-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: P320481

CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	7443.9	7458.5	7472.1	7582.7	7692.1	7820.8	7949.4	8047.6	8144.7	8245.1	8345.6
5°	5953.1	5971.1	5989.2	6123.5	6256.6	6436.1	6615.5	6770.1	6924.7	7106.4	7288.1
7.5°	4412.6	4452.1	4490.5	4633.8	4776.0	4969.0	5160.8	5362.8	5563.7	5800.7	6037.7
10°	3465.8	3540.2	3613.6	3760.3	3907.0	4097.7	4287.3	4498.4	4709.4	4943.0	5175.5
12.5°	2805.6	2904.9	3003.0	3179.1	3355.2	3583.1	3810.0	4044.7	4278.3	4483.7	4689.1
15°	2216.5	2324.8	2432.0	2618.2	2804.4	3055.0	3304.4	3560.5	3815.6	4061.6	4307.6
17.5°	1728.9	1818.1	1906.1	2064.1	2221.0	2463.6	2706.2	2974.8	3243.4	3543.6	3842.7
20°	1394.9	1432.1	1469.4	1583.3	1696.2	1893.7	2090.1	2364.3	2638.5	2997.4	3356.3
22.5°	1222.2	1241.4	1259.5	1314.8	1368.9	1496.4	1622.8	1865.5	2107.0	2498.6	2889.1
25°	1118.4	1133.1	1147.7	1183.8	1220.0	1280.9	1341.8	1512.2	1682.7	2067.5	2451.2
27.5°	1024.7	1047.3	1068.7	1085.7	1101.5	1143.2	1183.8	1295.6	1407.3	1766.2	2123.9
30°	957.0	964.9	972.8	998.8	1023.6	1066.5	1109.4	1187.2	1265.1	1568.7	1871.1
32.5°	878.0	889.3	900.6	927.7	954.7	994.2	1033.7	1096.9	1159.0	1418.6	1677.0
35°	806.9	818.2	829.5	856.6	882.5	925.4	967.2	1020.2	1072.1	1297.8	1523.5
37.5°	762.9	774.2	785.5	809.2	831.7	874.6	916.4	958.1	998.8	1207.5	1416.3
40°	725.7	736.9	748.2	770.8	792.2	834.0	874.6	909.6	944.6	1139.8	1335.1
42.5°	692.9	705.3	717.8	740.3	761.8	799.0	836.2	882.5	927.7	1081.1	1233.5
45°	665.8	678.3	689.5	714.4	739.2	775.3	811.4	875.7	940.1	1050.7	1161.3
47.5°	641.0	654.6	667.0	694.1	721.1	766.3	810.3	864.5	917.5	1027.0	1136.4
50°	617.3	633.1	648.9	681.6	713.2	788.9	863.3	871.2	878.0	1007.8	1136.4
52.5°	594.7	612.8	630.9	671.5	711.0	799.0	887.0	858.8	829.5	971.7	1113.9
55°	572.2	588.0	602.6	652.3	702.0	766.3	830.6	793.4	755.0	904.0	1052.9
57.5°	541.7	558.6	574.4	627.5	680.5	725.7	769.7	735.8	700.8	827.2	952.5
60°	510.1	529.3	548.5	616.2	682.8	674.9	665.8	659.1	651.2	741.5	831.7
62.5°	481.9	502.2	522.5	610.5	698.6	644.4	590.2	595.9	600.4	667.0	733.6
65°	453.7	474.0	493.2	537.2	581.2	559.8	538.3	547.3	555.2	620.7	686.2
67.5°	422.1	440.1	457.1	471.7	486.4	488.7	490.9	499.9	509.0	586.8	663.6
70°	387.1	401.8	416.4	426.6	435.6	440.1	443.5	454.8	466.1	550.7	635.4
72.5°	347.6	360.0	371.3	380.3	389.3	392.7	395.0	406.3	417.6	507.8	598.1
75°	304.7	314.9	323.9	331.8	339.7	344.2	348.7	356.6	364.5	462.7	559.8
77.5°	257.3	267.5	276.5	283.3	288.9	293.4	296.8	307.0	317.1	399.5	480.8
80°	200.9	213.3	224.6	230.2	234.7	235.9	235.9	244.9	253.9	312.6	370.2
82.5°	142.2	155.7	168.2	172.7	177.2	177.2	177.2	187.3	197.5	237.0	275.4
85°	83.5	98.2	111.7	116.2	120.8	123.0	124.1	128.7	132.0	160.3	187.3
87.5°	26.0	38.4	49.7	51.9	54.2	58.7	63.2	64.3	64.3	83.5	102.7
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: P320481
 CATALOG NUMBER: GLEON-SA7B-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: P320481

CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5	8599.5
2.5°	8460.7	8575.8	8710.1	8843.3	8957.2	9071.2	9166.0
5°	7519.5	7750.8	8034.1	8316.2	8567.9	8819.6	9111.8
7.5°	6336.8	6635.8	7002.6	7369.4	7724.9	8079.2	8528.4
10°	5480.2	5783.8	6172.0	6559.1	6958.6	7357.0	7864.8
12.5°	4936.2	5182.3	5558.1	5933.9	6403.3	6871.7	7360.3
15°	4577.4	4846.0	5211.6	5577.3	6090.7	6604.2	7166.2
17.5°	4194.8	4545.8	5014.1	5482.5	6090.7	6697.9	7360.3
20°	3794.2	4230.9	4838.1	5445.2	6264.5	7082.7	7928.0
22.5°	3394.7	3900.2	4678.9	5456.5	6527.5	7597.3	8738.3
25°	3034.6	3618.1	4581.9	5544.5	6910.1	8274.5	9689.7
27.5°	2761.5	3398.0	4542.4	5685.6	7395.3	9105.1	10724.5
30°	2518.9	3166.7	4495.0	5823.3	7862.6	9900.7	11533.7
32.5°	2309.0	2941.0	4403.6	5865.0	8188.7	10512.4	12218.7
35°	2144.2	2764.9	4250.1	5735.2	8393.0	11050.7	12932.0
37.5°	2002.0	2587.7	4075.2	5562.6	8574.7	11586.7	13734.4
40°	1866.6	2398.2	3925.1	5450.9	8825.2	12199.5	14581.9
42.5°	1738.0	2242.4	3804.3	5366.2	9057.7	12748.0	15323.3
45°	1642.0	2122.8	3697.1	5270.3	9207.8	13145.3	15882.0
47.5°	1594.6	2051.7	3639.5	5226.3	9357.9	13488.3	16345.8
50°	1587.9	2039.3	3705.0	5370.7	9682.9	13993.9	16876.2
52.5°	1586.7	2059.6	3893.5	5727.3	10286.7	14844.8	17450.6
55°	1563.0	2072.0	4118.0	6163.0	11097.0	16029.8	18483.3
57.5°	1490.8	2029.1	4349.4	6668.6	11953.5	17237.3	19646.8
60°	1379.1	1925.3	4540.1	7153.8	12529.1	17903.2	20094.8
62.5°	1239.1	1743.6	4603.3	7461.9	12513.3	17564.6	19643.4
65°	1119.5	1552.9	4395.7	7237.3	11880.2	16521.9	18750.7
67.5°	1013.4	1362.1	3876.5	6389.8	10741.5	15092.0	17615.4
70°	936.7	1236.9	3207.3	5177.7	9316.1	13453.3	16300.7
72.5°	888.2	1177.1	2614.8	4051.5	7560.1	11067.6	13943.1
75°	821.6	1083.4	2051.7	3018.8	5786.0	8553.2	10531.6
77.5°	697.4	913.0	1546.1	2179.2	4245.6	6310.8	7324.2
80°	538.3	705.3	1063.1	1420.8	2921.8	4422.8	4993.8
82.5°	383.7	492.0	644.4	796.8	1941.1	3084.3	3131.7
85°	237.0	286.6	369.0	451.4	1284.3	2117.1	1763.9
87.5°	127.5	152.4	195.2	237.0	410.8	584.6	336.3
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: P320481
 CATALOG NUMBER: GLEON-SA7B-830-U-SLL

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

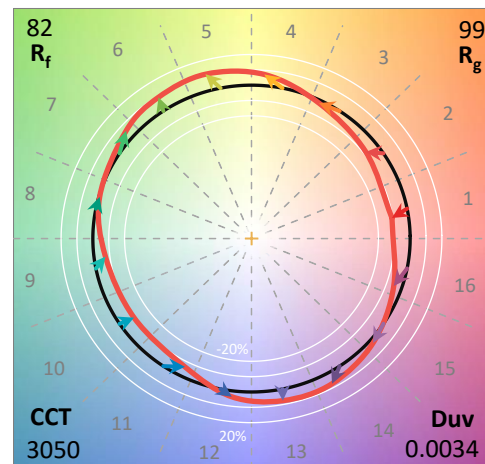
Test Information

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

Spectral Parameters

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

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



Test Conditions

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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

λ (nm)	Power W ^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

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

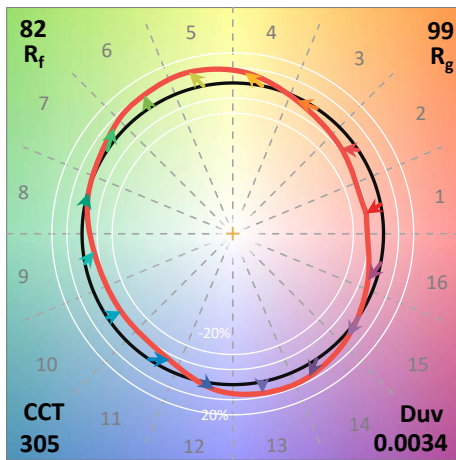
TM-30-18

Summary

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



Color Vector Graphics

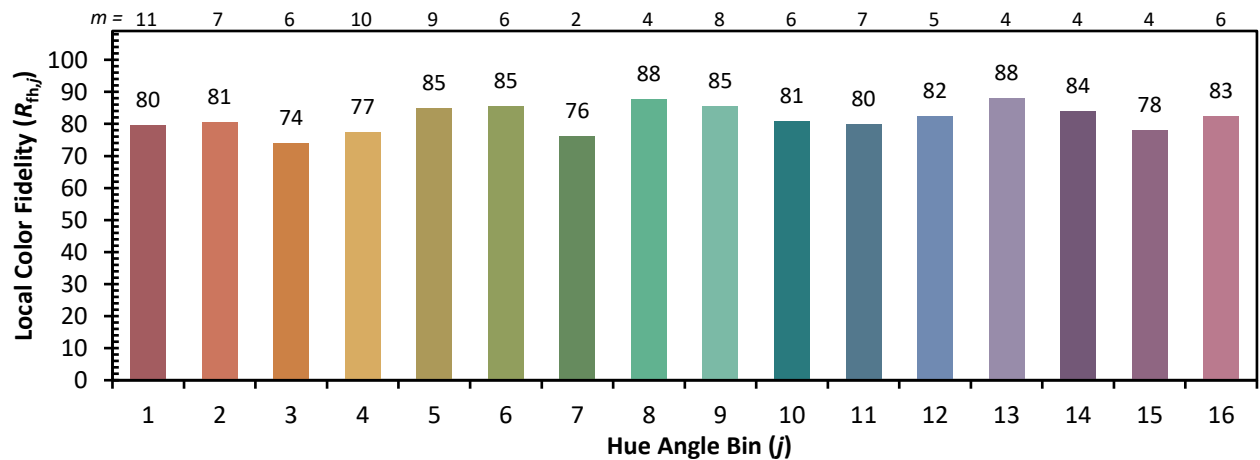


Individual Sample Fidelity Index ($R_{f,i}$)

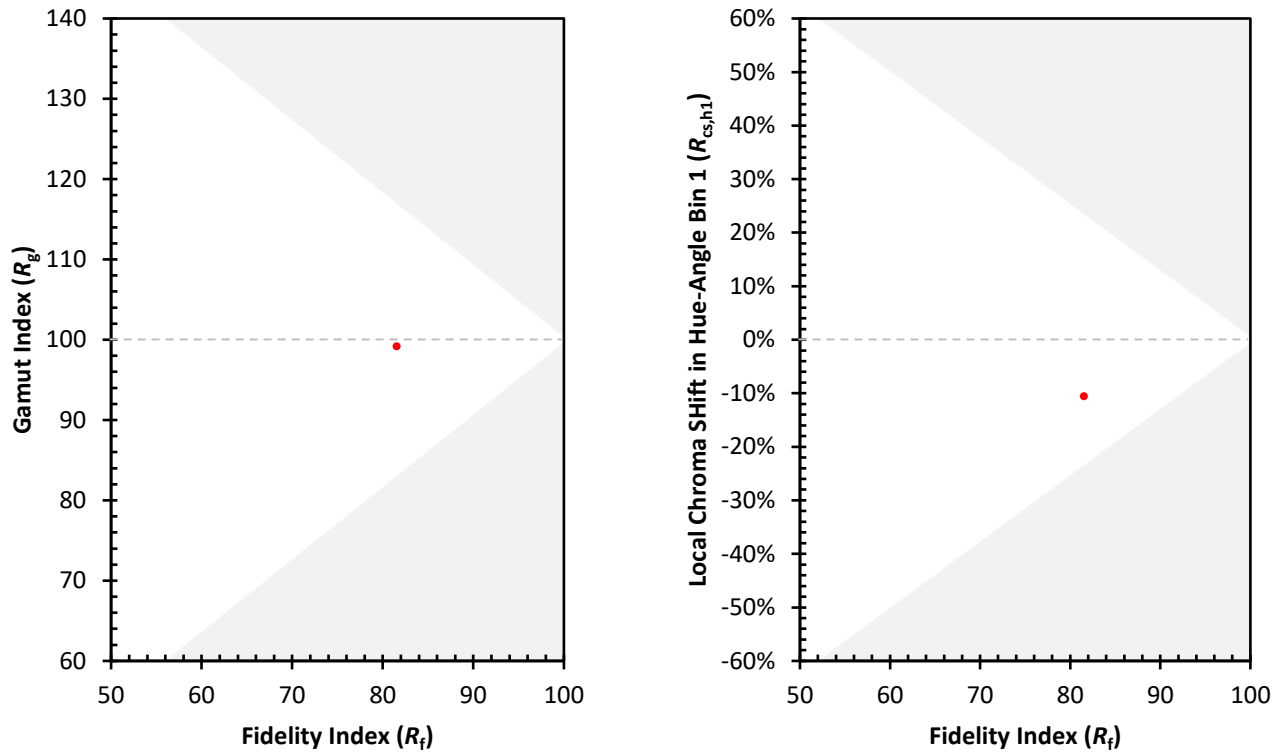
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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