

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: P320491

Luminaire Tested: **GLEON-SA7C-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320491
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-SA7C-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34938 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

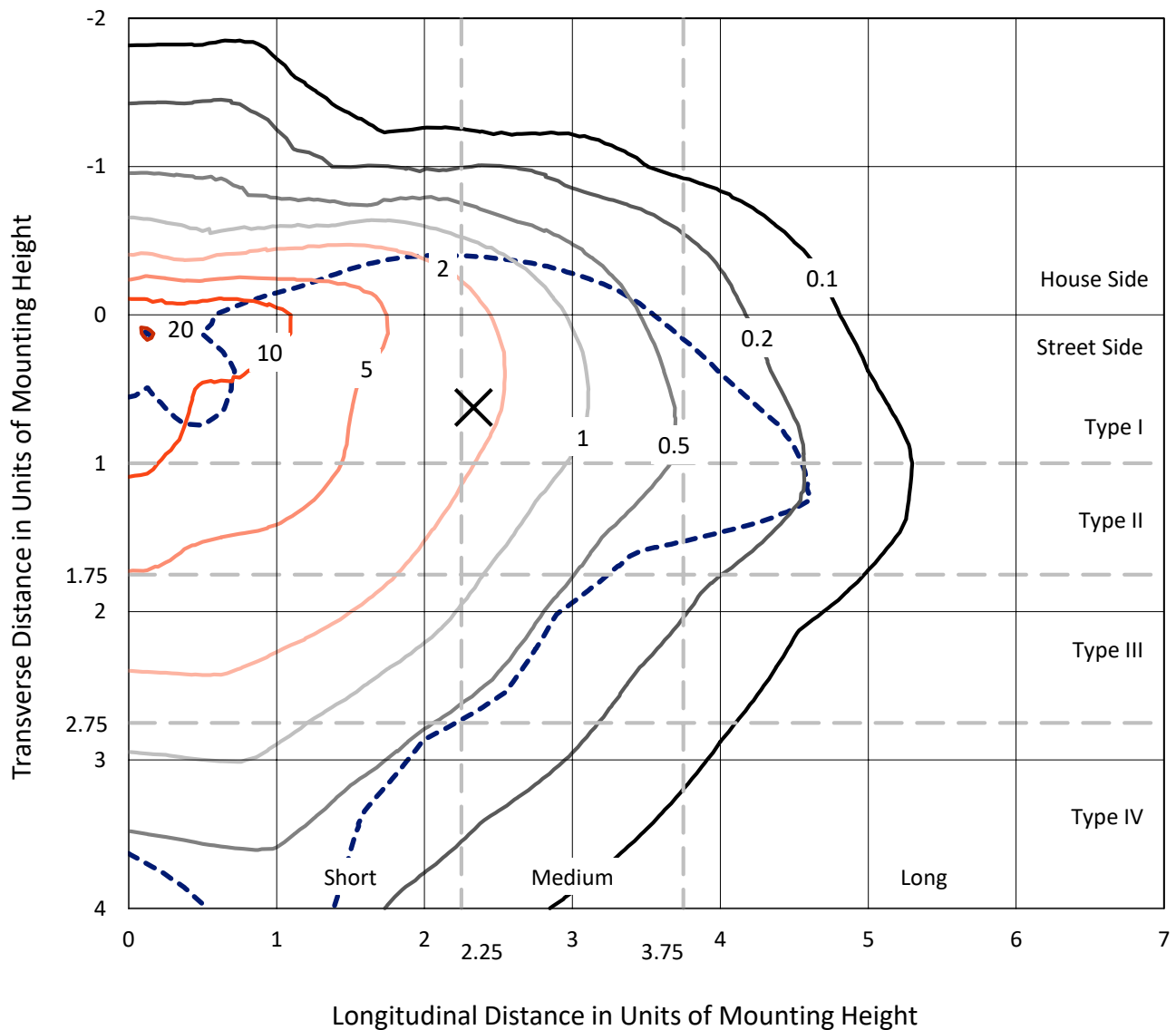
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

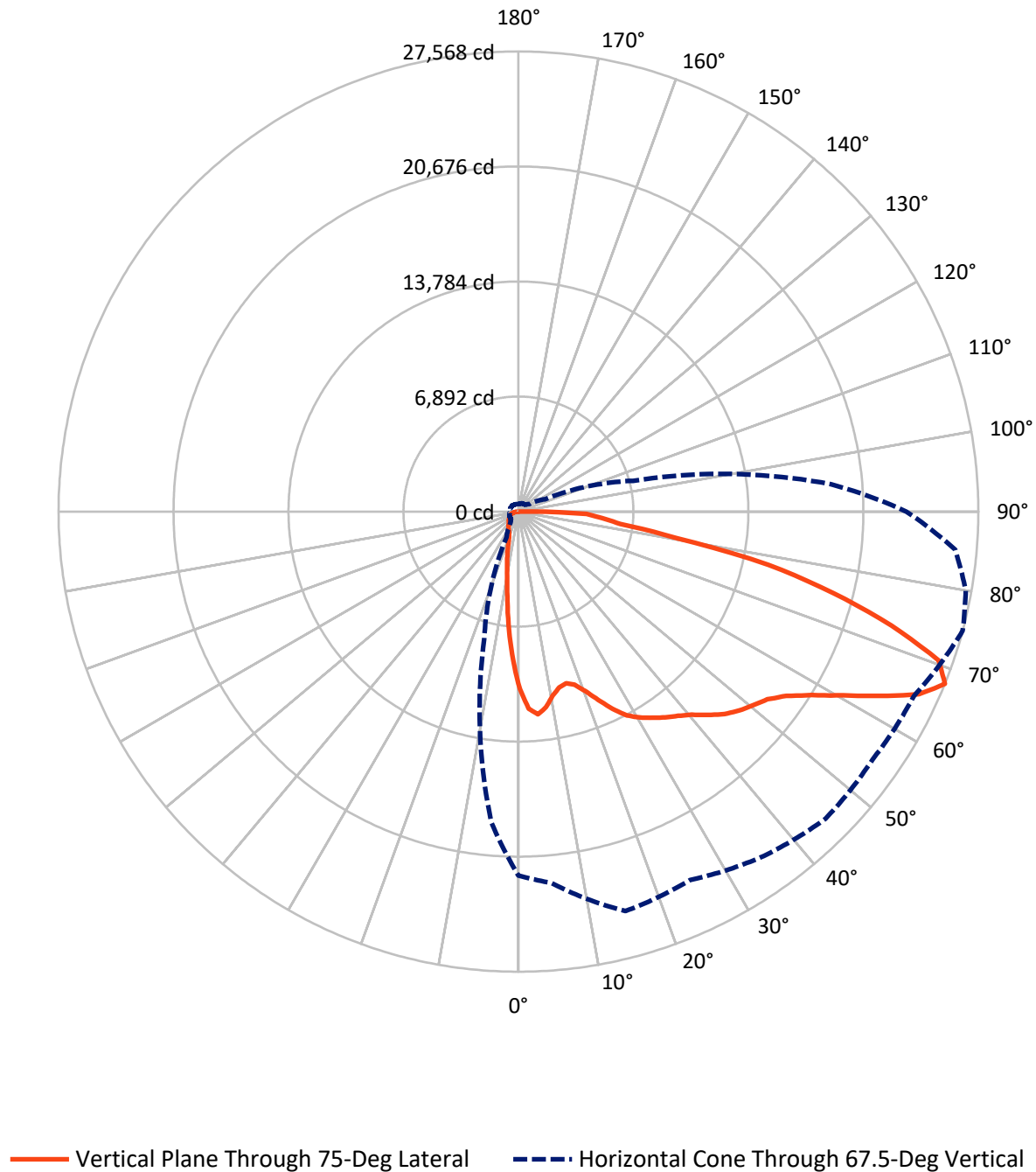
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.4 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	6153.4	0.0	6153.4
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	28784.6	0.0	28784.6
	% Fixture	82.4	0.0	82.4
Total	Lumens	34938.0	0.0	34938.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	821.5	2.4
10°-20°	1706.5	4.9
20°-30°	2427.1	6.9
30°-40°	3497.4	10.0
40°-50°	4928.8	14.1
50°-60°	6851.9	19.6
60°-70°	8286.0	23.7
70°-80°	5093.3	14.6
80°-90°	1325.4	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	34938.0	100.0
0°-180°	34938.0	100.0

Coefficient of Utilization



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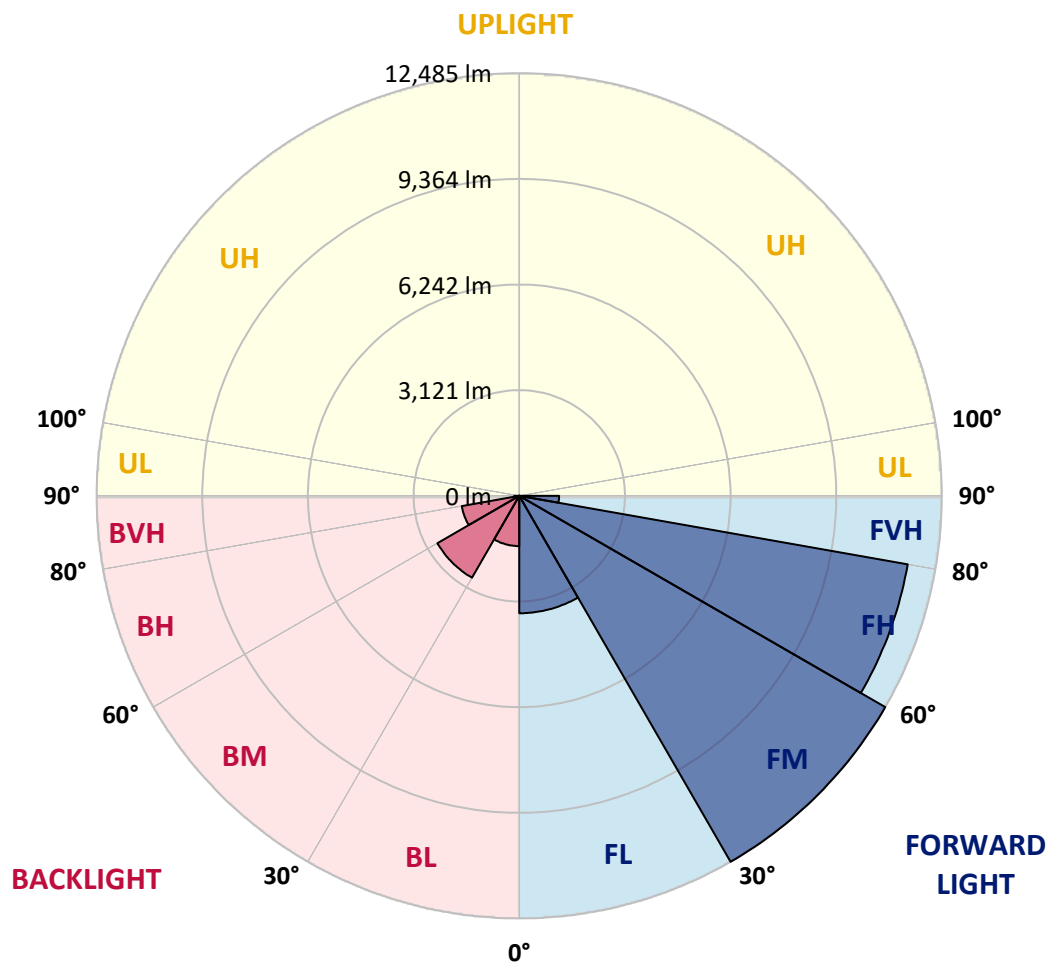
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3469.0	9.9			
FM	(30°-60°)	12485.0	35.7			
FH	(60°-80°)	11654.1	33.4			G4/12000
FVH	(80°-90°)	1176.4	3.4			G5
BL	(0°-30°)	1486.1	4.3	B3/2500		
BM	(30°-60°)	2793.2	8.0	B3/5000		
BH	(60°-80°)	1725.2	4.9	B3/2500		G3/2500
BVH	(80°-90°)	148.9	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°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	11345.2	11494.7	11598.1	11700.0	11779.7	11857.9	11972.4	12087.0	12109.3	12130.3	12085.6
5°	11278.2	11642.8	11952.9	12261.6	12547.9	12834.3	13006.1	13177.9	13212.8	13247.8	13140.2
7.5°	10556.0	11093.8	11631.6	12169.4	12662.5	13155.6	13455.9	13754.8	13823.3	13890.3	13714.3
10°	9734.7	10360.5	11021.2	11681.9	12331.4	12981.0	13415.4	13849.8	13936.4	14023.0	13803.7
12.5°	9110.3	9793.3	10498.8	11204.2	11890.0	12574.5	13024.3	13474.1	13581.6	13689.2	13529.9
15°	8870.0	9618.7	10282.2	10945.7	11543.6	12140.1	12508.8	12876.2	12920.9	12964.2	12939.1
17.5°	9110.3	9935.8	10536.5	11135.7	11461.2	11785.3	11933.3	12080.0	12128.9	12176.4	12240.6
20°	9812.9	10704.1	11127.3	11549.2	11535.2	11519.9	11448.6	11376.0	11363.4	11350.8	11532.4
22.5°	10815.8	11850.9	12019.9	12187.5	11795.0	11402.5	11163.7	10923.4	10875.9	10827.0	11019.8
25°	11993.4	13095.5	13064.8	13032.6	12285.3	11536.6	11081.2	10625.9	10572.8	10519.7	10684.5
27.5°	13274.3	14327.5	14126.4	13925.2	12909.7	11894.2	11233.5	10572.8	10519.7	10466.6	10611.9
30°	14275.8	15231.3	14908.6	14585.9	13436.3	12286.7	11501.7	10716.7	10630.1	10542.1	10720.9
32.5°	15123.7	15936.7	15503.7	15070.7	13863.8	12656.9	11807.6	10958.3	10822.8	10687.3	10926.2
35°	16006.5	16640.7	16031.7	15421.3	14245.1	13067.6	12169.4	11269.8	11103.6	10937.4	11265.6
37.5°	16999.7	17526.3	16651.9	15776.1	14673.9	13571.8	12711.4	11849.5	11679.1	11508.7	11927.7
40°	18048.7	18487.4	17321.0	16154.6	15143.3	14132.0	13461.5	12789.6	12627.6	12464.1	12972.6
42.5°	18966.5	19286.4	17944.0	16601.6	15709.0	14815.0	14342.9	13869.4	13868.0	13865.2	14380.6
45°	19657.9	19935.9	18463.6	16989.9	16260.8	15530.2	15284.4	15038.5	15235.5	15432.4	15899.0
47.5°	20232.0	20420.6	18899.4	17376.9	16892.2	16407.4	16443.8	16480.1	16881.0	17281.9	17582.2
50°	20888.6	20736.3	19294.7	17851.8	17702.3	17552.9	17879.7	18205.2	18666.2	19125.7	19329.7
52.5°	21599.5	21195.9	19831.1	18465.0	18632.6	18800.3	19465.2	20130.1	20595.2	21060.4	21137.2
55°	22877.7	22258.9	20817.3	19374.4	19697.0	20018.3	20994.7	21969.7	22332.9	22696.1	22724.0
57.5°	24317.8	23768.9	22198.8	20628.7	20975.2	21321.6	22448.8	23574.7	23967.2	24358.3	24303.9
60°	24872.4	24898.9	23510.4	22120.6	22469.8	22819.0	23916.9	25014.9	25466.0	25915.8	25795.7
62.5°	24313.6	24968.8	24227.0	23483.9	23801.0	24116.7	25192.3	26267.8	26730.2	27192.6	26983.0
65°	23208.7	23858.3	24190.7	24523.2	24627.9	24732.7	25737.0	26740.0	27094.8	27448.2	27342.0
67.5°	21803.5	22328.7	23555.1	24780.2	24569.3	24358.3	24829.1	25299.8	25664.4	26029.0	25968.9
70°	20176.2	20801.9	22437.7	24073.4	23036.9	21999.0	21804.9	21610.7	22004.6	22397.2	22154.1
72.5°	17258.1	18202.4	19947.1	21690.3	19780.8	17871.3	17207.8	16544.3	17043.0	17541.7	17154.8
75°	13035.4	14288.4	16216.1	18142.3	15864.1	13585.8	12700.2	11814.6	12243.4	12672.3	12406.9
77.5°	9065.6	10637.0	12535.4	14433.7	12117.7	9800.3	9142.4	8483.1	8611.6	8738.7	8694.0
80°	6181.1	7214.7	8539.0	9861.8	8319.7	6777.5	6829.2	6879.5	6819.4	6758.0	6847.4
82.5°	3876.3	4604.0	5626.5	6647.6	5829.1	5010.5	5479.9	5949.2	5718.7	5486.8	5573.4
85°	2183.3	2627.5	3627.6	4626.4	4312.1	3996.4	4271.6	4545.4	4187.8	3830.2	3988.0
87.5°	416.3	692.8	2007.3	3320.3	3014.4	2708.5	2353.7	1998.9	1525.4	1051.8	1536.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	12040.9	12017.1	11993.4	11908.2	11821.6	11693.1	11586.9	11402.5	11301.9	11149.7	10997.4
5°	13031.2	12880.4	12729.5	12469.7	12208.5	11918.0	11584.1	11213.9	10934.6	10571.4	10208.2
7.5°	13538.3	13186.3	12832.9	12334.2	11834.1	11384.4	10856.3	10364.7	9945.6	9473.5	9001.3
10°	13584.4	13056.4	12527.0	11878.8	11229.3	10683.1	10075.5	9529.3	9026.5	8484.5	7941.1
12.5°	13369.3	12807.8	12244.8	11531.0	10815.8	10195.6	9541.9	8930.1	8372.7	7776.3	7178.4
15°	12913.9	12465.5	12015.7	11346.6	10677.5	10051.8	9417.6	8692.6	8062.6	7452.2	6840.4
17.5°	12303.5	12091.2	11877.4	11394.1	10909.4	10367.4	9752.8	8902.1	8164.6	7501.1	6837.6
20°	11712.6	11790.8	11867.7	11674.9	11482.1	11047.7	10511.3	9555.9	8614.4	7747.0	6878.1
22.5°	11211.1	11586.9	11961.3	12110.7	12258.8	11997.6	11578.5	10473.6	9227.6	8094.8	6961.9
25°	10848.0	11471.0	12094.0	12591.2	13087.1	12971.2	12648.5	11588.3	10040.6	8596.2	7150.5
27.5°	10757.2	11521.2	12285.3	13056.4	13826.1	13933.6	13844.2	12763.1	11010.0	9219.2	7427.1
30°	10899.6	11673.5	12446.0	13384.7	14321.9	14750.8	14870.9	13742.2	12117.7	9945.6	7772.1
32.5°	11165.1	11923.5	12682.0	13704.5	14725.6	15373.8	15756.5	14637.6	12890.2	10493.2	8094.8
35°	11593.9	12303.5	13013.1	14077.5	15141.9	15980.0	16678.4	15562.3	13576.0	10875.9	8174.4
37.5°	12345.4	12955.8	13566.2	14549.6	15531.6	16618.4	17667.4	16580.7	14317.8	11244.7	8170.2
40°	13481.0	13912.7	14342.9	15174.0	16003.8	17371.3	18787.7	17716.3	15137.7	11644.2	8150.6
42.5°	14896.0	15118.1	15338.9	15996.8	16654.7	18157.7	19804.6	18826.8	15919.9	12015.7	8111.5
45°	16364.1	16422.8	16481.5	16896.3	17309.8	18780.7	20497.4	19660.7	16603.0	12338.4	8072.4
47.5°	17881.1	17680.0	17478.8	17643.7	17808.5	19258.4	20991.9	20293.5	17288.9	12696.0	8101.8
50°	19533.6	18973.5	18413.3	18326.7	18240.1	19736.1	21574.4	21098.1	18113.0	13217.0	8321.1
52.5°	21212.6	20289.3	19366.0	19023.8	18680.1	20306.1	22346.9	22099.6	19289.2	14024.4	8758.3
55°	22752.0	21577.2	20402.4	19941.5	19480.5	21177.7	23289.7	23570.5	20796.4	15056.7	9315.6
57.5°	24248.0	22916.8	21585.6	21158.1	20730.7	22458.6	24484.1	24890.5	22318.9	16047.1	9773.8
60°	25675.6	24358.3	23039.7	22697.5	22353.9	24051.0	25774.7	25478.6	23104.0	16510.8	9916.3
62.5°	26773.5	25725.9	24678.2	24498.0	24316.4	25661.6	26766.5	25249.5	22605.3	16054.0	9502.8
65°	27235.9	26639.4	26041.5	26210.6	26378.2	26879.7	27013.8	24579.0	21038.0	14774.5	8511.0
67.5°	25907.4	26029.0	26150.5	26860.1	27568.3	27223.3	26279.0	23257.6	18807.2	12961.4	7115.6
70°	21909.7	22638.8	23366.6	25045.6	26723.2	25957.7	24310.8	20885.8	16122.5	10873.1	5622.3
72.5°	16766.4	17586.4	18404.9	20896.9	23387.5	22682.1	20665.1	17154.8	12926.5	8682.8	4437.8
75°	12140.1	13066.2	13990.9	16739.9	19488.9	18509.7	15457.6	12282.5	9818.5	6628.1	3436.3
77.5°	8647.9	9268.1	9888.3	12603.8	15317.9	13722.7	10289.2	8265.2	6795.7	4606.8	2416.6
80°	6936.8	6746.8	6556.8	8069.6	9582.4	9317.0	6805.5	5308.0	4703.2	3087.0	1470.9
82.5°	5658.7	5194.9	4731.1	5443.5	6155.9	6116.8	4722.8	3894.4	3500.5	2145.6	790.6
85°	4144.5	3958.7	3772.9	4402.9	5032.9	4495.1	3198.8	2475.2	2729.5	1579.8	430.2
87.5°	2021.2	2309.0	2595.4	3338.5	4080.2	3063.3	970.8	480.5	664.9	437.2	208.1
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



REPORT NUMBER: P320491
 CATALOG NUMBER: GLEON-SA7C-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: P320491

CATALOG NUMBER: GLEON-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	10884.3	10769.7	10639.8	10509.9	10361.9	10212.4	10124.4	10035.0	9938.6	9842.2	9733.3
5°	9967.9	9727.7	9455.3	9182.9	8913.3	8643.7	8498.5	8353.2	8199.5	8044.5	7910.4
7.5°	8652.1	8301.5	7924.4	7545.8	7210.6	6873.9	6665.8	6456.3	6266.3	6074.9	5914.3
10°	7494.1	7047.1	6668.6	6288.6	6035.8	5783.0	5591.6	5400.2	5215.9	5030.1	4852.7
12.5°	6731.4	6284.4	6044.2	5803.9	5594.4	5384.9	5164.2	4942.1	4689.2	4435.0	4249.2
15°	6433.9	6027.4	5760.6	5492.4	5211.7	4929.5	4658.5	4387.5	4088.6	3789.7	3578.7
17.5°	6305.4	5773.2	5400.2	5025.9	4655.7	4285.5	3971.3	3657.0	3330.1	3003.2	2789.5
20°	6169.9	5461.7	4961.6	4460.2	3985.2	3510.3	3154.1	2797.9	2506.0	2214.0	2050.6
22.5°	6047.0	5130.6	4503.5	3874.9	3313.3	2751.8	2402.6	2052.0	1873.2	1694.4	1628.7
25°	5996.7	4841.5	4070.4	3299.4	2707.1	2113.4	1864.8	1616.2	1547.7	1477.9	1444.3
27.5°	6005.1	4583.1	3705.9	2827.2	2293.6	1760.0	1589.6	1419.2	1377.3	1334.0	1313.0
30°	6037.2	4302.3	3362.2	2422.1	1982.1	1542.1	1431.8	1320.0	1275.3	1230.6	1204.1
32.5°	6073.5	4050.9	3096.8	2141.4	1782.4	1422.0	1331.2	1239.0	1195.7	1152.4	1125.9
35°	6010.7	3845.5	2915.2	1984.9	1653.9	1321.4	1244.6	1166.4	1118.9	1071.4	1046.2
37.5°	5904.5	3638.8	2774.2	1908.1	1570.1	1230.6	1174.8	1117.5	1068.6	1018.3	994.6
40°	5808.1	3464.2	2669.4	1873.2	1524.0	1173.4	1125.9	1078.4	1028.1	976.4	948.5
42.5°	5729.9	3346.9	2566.0	1785.2	1482.1	1177.5	1110.5	1042.1	993.2	944.3	913.5
45°	5671.2	3270.0	2485.0	1700.0	1442.9	1185.9	1100.7	1015.5	966.6	916.3	880.0
47.5°	5665.6	3229.5	2427.7	1625.9	1368.9	1110.5	1075.6	1040.7	969.4	896.8	854.9
50°	5742.5	3163.9	2360.7	1556.1	1297.7	1039.3	1086.8	1132.8	1011.3	888.4	835.3
52.5°	5903.1	3047.9	2254.5	1461.1	1211.1	959.6	1033.7	1106.3	1001.5	895.4	826.9
55°	6097.3	2877.5	2093.9	1308.9	1096.5	882.8	948.5	1012.7	947.1	880.0	797.6
57.5°	6218.8	2662.4	1891.3	1120.3	968.0	815.8	853.5	889.8	863.3	836.7	752.9
60°	6146.2	2376.0	1663.7	949.9	854.9	759.9	752.9	744.5	783.6	822.7	726.4
62.5°	5791.4	2079.9	1462.5	845.1	773.9	701.2	685.9	669.1	733.3	796.2	694.2
65°	5192.1	1873.2	1335.4	797.6	718.0	638.4	621.6	604.8	624.4	643.9	596.5
67.5°	4430.8	1746.1	1262.8	779.4	683.1	585.3	565.7	546.2	542.0	537.8	521.0
70°	3645.8	1667.8	1215.3	762.7	645.3	526.6	508.5	490.3	484.7	477.7	465.2
72.5°	3047.9	1658.1	1209.7	761.3	614.6	467.9	451.2	434.4	427.4	419.1	409.3
75°	2496.2	1556.1	1148.2	740.3	572.7	403.7	388.3	373.0	367.4	360.4	352.0
77.5°	1852.2	1287.9	965.2	642.6	490.3	338.0	322.7	305.9	304.5	301.7	294.7
80°	1201.3	931.7	690.0	448.4	357.6	265.4	252.8	238.9	240.3	241.7	236.1
82.5°	667.7	543.4	421.8	300.3	244.4	188.6	183.0	176.0	180.2	183.0	176.0
85°	352.0	273.8	226.3	178.8	141.1	103.4	103.4	102.0	107.6	113.1	107.6
87.5°	152.3	96.4	82.4	67.0	37.7	7.0	8.4	8.4	11.2	14.0	12.6
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: P320491
 CATALOG NUMBER: GLEON-SA7C-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: P320491

CATALOG NUMBER: GLEON-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	9622.9	9521.0	9417.6	9304.4	9325.4	9238.8	9152.2	9097.7	9043.2	9026.5	9009.7
5°	7776.3	7660.3	7543.0	7438.2	7529.0	7467.6	7406.1	7397.7	7388.0	7388.0	7386.6
7.5°	5753.6	5629.3	5503.6	5417.0	5506.4	5495.2	5484.0	5544.1	5604.2	5653.1	5700.6
10°	4675.3	4524.4	4372.2	4243.6	4221.3	4157.0	4091.4	4105.4	4117.9	4171.0	4224.1
12.5°	4063.4	3883.3	3703.1	3552.2	3483.8	3377.6	3270.0	3203.0	3135.9	3142.9	3148.5
15°	3366.4	3191.8	3015.8	2885.9	2842.6	2760.2	2677.8	2594.0	2508.7	2473.8	2437.5
17.5°	2574.4	2434.7	2293.6	2207.0	2207.0	2183.3	2159.5	2117.6	2074.3	2039.4	2003.1
20°	1887.1	1813.1	1737.7	1701.4	1712.5	1713.9	1713.9	1734.9	1755.8	1744.7	1733.5
22.5°	1561.7	1535.1	1508.6	1493.2	1498.8	1500.2	1501.6	1521.2	1539.3	1553.3	1565.9
25°	1409.4	1392.7	1375.9	1370.3	1382.9	1384.3	1384.3	1396.9	1409.4	1423.4	1437.4
27.5°	1290.7	1283.7	1276.7	1266.9	1279.5	1279.5	1278.1	1292.1	1304.7	1317.2	1328.4
30°	1177.5	1180.3	1181.7	1178.9	1187.3	1192.9	1197.1	1206.9	1215.3	1225.0	1234.8
32.5°	1097.9	1093.7	1089.5	1086.8	1104.9	1114.7	1124.5	1134.2	1142.6	1146.8	1151.0
35°	1021.1	1011.3	1001.5	994.6	1011.3	1023.9	1036.5	1054.6	1071.4	1074.2	1077.0
37.5°	969.4	956.8	944.3	935.9	942.9	948.5	954.1	973.6	993.2	1004.3	1014.1
40°	920.5	908.0	895.4	888.4	892.6	894.0	895.4	905.2	913.5	934.5	954.1
42.5°	881.4	866.0	850.7	842.3	845.1	847.9	849.3	847.9	846.5	866.0	885.6
45°	842.3	825.5	808.8	799.0	800.4	800.4	800.4	797.6	793.4	803.2	813.0
47.5°	811.6	792.0	772.5	762.7	759.9	757.1	754.3	752.9	750.1	757.1	762.7
50°	780.8	759.9	737.5	726.4	719.4	716.6	713.8	712.4	709.6	716.6	722.2
52.5°	757.1	732.0	706.8	688.6	681.7	677.5	673.3	674.7	674.7	677.5	678.9
55°	715.2	692.8	669.1	656.5	643.9	641.2	638.4	642.6	645.3	645.3	645.3
57.5°	669.1	648.1	625.8	617.4	606.2	606.2	604.8	610.4	614.6	617.4	620.2
60°	628.6	604.8	581.1	574.1	569.9	568.5	567.1	574.1	579.7	585.3	590.9
62.5°	590.9	565.7	540.6	532.2	530.8	532.2	532.2	539.2	544.8	550.4	555.9
65°	549.0	523.8	497.3	488.9	491.7	495.9	500.1	505.7	509.9	515.4	521.0
67.5°	502.9	481.9	459.6	451.2	452.6	458.2	463.8	467.9	470.7	476.3	481.9
70°	452.6	434.4	416.3	410.7	409.3	416.3	421.8	424.6	427.4	434.4	440.0
72.5°	398.1	382.7	367.4	363.2	364.6	368.8	373.0	377.2	379.9	386.9	392.5
75°	342.2	328.3	314.3	311.5	314.3	318.5	322.7	325.5	328.3	336.6	343.6
77.5°	287.8	272.4	255.6	254.2	258.4	262.6	265.4	269.6	273.8	285.0	296.1
80°	230.5	213.7	195.6	194.2	198.4	202.5	206.7	210.9	215.1	229.1	241.7
82.5°	169.0	149.5	129.9	127.1	141.1	145.3	149.5	156.4	162.0	174.6	187.2
85°	102.0	82.4	62.9	61.5	74.0	81.0	88.0	96.4	103.4	114.5	125.7
87.5°	11.2	5.6	0.0	0.0	1.4	7.0	12.6	19.6	26.5	37.7	47.5
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: P320491
 CATALOG NUMBER: GLEON-SA7C-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: P320491

CATALOG NUMBER: GLEON-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	8948.2	8885.4	8949.6	9012.5	9039.0	9065.6	8997.1	8927.3	9036.2	9143.8	9171.7
5°	7330.7	7273.4	7316.7	7358.6	7265.0	7171.4	7161.7	7150.5	7231.5	7312.5	7325.1
7.5°	5682.4	5664.2	5704.8	5745.3	5626.5	5506.4	5447.7	5389.1	5408.6	5428.2	5425.4
10°	4236.7	4247.8	4298.1	4347.0	4254.8	4162.6	4122.1	4081.6	4126.3	4169.6	4210.1
12.5°	3173.7	3197.4	3250.5	3302.2	3264.4	3225.3	3229.5	3233.7	3285.4	3335.7	3380.4
15°	2465.4	2493.4	2531.1	2567.4	2568.8	2568.8	2605.1	2640.1	2635.9	2631.7	2662.4
17.5°	2040.8	2077.1	2081.3	2085.5	2086.9	2088.3	2085.5	2082.7	2061.8	2040.8	2064.5
20°	1747.5	1760.0	1771.2	1781.0	1768.4	1754.4	1719.5	1684.6	1670.6	1656.7	1679.0
22.5°	1589.6	1612.0	1600.8	1588.2	1563.1	1536.5	1510.0	1482.1	1480.7	1477.9	1490.4
25°	1456.9	1475.1	1455.5	1436.0	1417.8	1399.6	1381.5	1363.3	1361.9	1360.5	1366.1
27.5°	1346.6	1363.3	1345.2	1327.0	1311.6	1296.3	1282.3	1268.3	1265.5	1262.8	1264.2
30°	1251.6	1266.9	1251.6	1234.8	1223.6	1211.1	1201.3	1191.5	1190.1	1188.7	1188.7
32.5°	1166.4	1181.7	1170.6	1159.4	1149.6	1139.8	1132.8	1125.9	1118.9	1111.9	1096.5
35°	1092.3	1107.7	1100.7	1092.3	1081.2	1070.0	1057.4	1043.4	1025.3	1005.7	997.4
37.5°	1029.5	1044.8	1037.9	1030.9	1015.5	1000.1	977.8	954.1	948.5	941.5	940.1
40°	979.2	1002.9	989.0	973.6	949.9	926.1	914.9	903.8	901.0	898.2	895.4
42.5°	923.3	959.6	934.5	909.4	887.0	864.7	861.9	859.1	857.7	856.3	856.3
45°	853.5	892.6	867.4	840.9	828.3	815.8	815.8	815.8	817.2	817.2	820.0
47.5°	787.8	811.6	799.0	786.4	779.4	772.5	773.9	775.3	779.4	782.2	789.2
50°	732.0	740.3	743.1	744.5	740.3	736.1	738.9	740.3	744.5	747.3	752.9
52.5°	691.4	704.0	704.0	702.6	702.6	702.6	705.4	708.2	712.4	716.6	722.2
55°	664.9	683.1	677.5	671.9	673.3	673.3	676.1	678.9	683.1	685.9	694.2
57.5°	639.8	659.3	653.7	648.1	648.1	648.1	649.5	650.9	655.1	657.9	663.5
60°	610.4	630.0	624.4	617.4	618.8	620.2	621.6	621.6	624.4	625.8	625.8
62.5°	575.5	595.1	589.5	582.5	586.7	589.5	589.5	589.5	592.3	593.7	589.5
65°	539.2	557.3	551.8	546.2	551.8	555.9	558.7	560.1	558.7	557.3	553.2
67.5°	500.1	518.2	512.6	505.7	512.6	518.2	523.8	528.0	523.8	519.6	514.0
70°	458.2	476.3	469.3	462.4	469.3	476.3	481.9	487.5	481.9	476.3	474.9
72.5°	413.5	434.4	426.0	417.7	426.0	434.4	437.2	440.0	435.8	431.6	428.8
75°	364.6	385.5	378.5	370.2	377.2	384.1	385.5	386.9	386.9	385.5	377.2
77.5°	312.9	329.7	325.5	321.3	325.5	329.7	329.7	329.7	331.1	331.1	319.9
80°	251.4	261.2	262.6	264.0	265.4	266.8	265.4	264.0	261.2	258.4	251.4
82.5°	187.2	187.2	198.4	208.1	208.1	206.7	205.3	202.5	197.0	190.0	174.6
85°	118.7	111.7	129.9	146.7	146.7	145.3	142.5	138.3	127.1	114.5	102.0
87.5°	40.5	33.5	51.7	69.8	71.2	71.2	68.4	65.7	54.5	41.9	32.1
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



REPORT NUMBER: P320491
 CATALOG NUMBER: GLEON-SA7C-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: P320491

CATALOG NUMBER: GLEON-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	9213.6	9231.8	9248.6	9385.5	9521.0	9680.2	9839.4	9961.0	10081.1	10205.4	10329.7
5°	7368.4	7390.8	7413.1	7579.3	7744.2	7966.3	8188.4	8379.7	8571.1	8796.0	9020.9
7.5°	5461.7	5510.6	5558.1	5735.5	5911.5	6150.3	6387.8	6637.8	6886.5	7179.8	7473.2
10°	4289.7	4381.9	4472.7	4654.3	4835.9	5072.0	5306.6	5567.9	5829.1	6118.2	6406.0
12.5°	3472.6	3595.5	3717.0	3934.9	4152.8	4435.0	4715.8	5006.3	5295.5	5549.7	5803.9
15°	2743.4	2877.5	3010.2	3240.7	3471.2	3781.3	4090.0	4407.1	4722.8	5027.3	5331.8
17.5°	2140.0	2250.3	2359.3	2554.8	2749.0	3049.3	3349.7	3682.1	4014.6	4386.1	4756.3
20°	1726.5	1772.6	1818.7	1959.8	2099.5	2343.9	2587.0	2926.4	3265.8	3710.0	4154.2
22.5°	1512.8	1536.5	1558.9	1627.3	1694.4	1852.2	2008.7	2309.0	2607.9	3092.6	3575.9
25°	1384.3	1402.4	1420.6	1465.3	1510.0	1585.4	1660.9	1871.8	2082.7	2559.0	3034.0
27.5°	1268.3	1296.3	1322.8	1343.8	1363.3	1415.0	1465.3	1603.6	1741.9	2186.1	2628.9
30°	1184.5	1194.3	1204.1	1236.2	1266.9	1320.0	1373.1	1469.5	1565.9	1941.6	2316.0
32.5°	1086.8	1100.7	1114.7	1148.2	1181.7	1230.6	1279.5	1357.7	1434.6	1755.8	2075.7
35°	998.8	1012.7	1026.7	1060.2	1092.3	1145.4	1197.1	1262.8	1327.0	1606.4	1885.8
37.5°	944.3	958.2	972.2	1001.5	1029.5	1082.6	1134.2	1185.9	1236.2	1494.6	1753.1
40°	898.2	912.1	926.1	954.1	980.6	1032.3	1082.6	1125.9	1169.2	1410.8	1652.5
42.5°	857.7	873.0	888.4	916.3	942.9	989.0	1035.1	1092.3	1148.2	1338.2	1526.8
45°	824.1	839.5	853.5	884.2	914.9	959.6	1004.3	1084.0	1163.6	1300.5	1437.4
47.5°	793.4	810.2	825.5	859.1	892.6	948.5	1002.9	1070.0	1135.6	1271.1	1406.6
50°	764.1	783.6	803.2	843.7	882.8	976.4	1068.6	1078.4	1086.8	1247.4	1406.6
52.5°	736.1	758.5	780.8	831.1	880.0	989.0	1097.9	1063.0	1026.7	1202.7	1378.7
55°	708.2	727.8	745.9	807.4	868.8	948.5	1028.1	982.0	934.5	1118.9	1303.3
57.5°	670.5	691.4	711.0	776.7	842.3	898.2	952.7	910.7	867.4	1023.9	1178.9
60°	631.4	655.1	678.9	762.7	845.1	835.3	824.1	815.8	806.0	917.7	1029.5
62.5°	596.5	621.6	646.7	755.7	864.7	797.6	730.6	737.5	743.1	825.5	908.0
65°	561.5	586.7	610.4	664.9	719.4	692.8	666.3	677.5	687.3	768.3	849.3
67.5°	522.4	544.8	565.7	583.9	602.0	604.8	607.6	618.8	630.0	726.4	821.3
70°	479.1	497.3	515.4	528.0	539.2	544.8	549.0	562.9	576.9	681.7	786.4
72.5°	430.2	445.6	459.6	470.7	481.9	486.1	488.9	502.9	516.8	628.6	740.3
75°	377.2	389.7	400.9	410.7	420.5	426.0	431.6	441.4	451.2	572.7	692.8
77.5°	318.5	331.1	342.2	350.6	357.6	363.2	367.4	379.9	392.5	494.5	595.1
80°	248.6	264.0	278.0	285.0	290.5	291.9	291.9	303.1	314.3	386.9	458.2
82.5°	176.0	192.8	208.1	213.7	219.3	219.3	219.3	231.9	244.4	293.3	340.8
85°	103.4	121.5	138.3	143.9	149.5	152.3	153.7	159.2	163.4	198.4	231.9
87.5°	32.1	47.5	61.5	64.3	67.0	72.6	78.2	79.6	79.6	103.4	127.1
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



REPORT NUMBER: P320491
 CATALOG NUMBER: GLEON-SA7C-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: P320491

CATALOG NUMBER: GLEON-SA7C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0	10644.0
2.5°	10472.2	10614.7	10780.9	10945.7	11086.8	11227.9	11345.2
5°	9307.2	9593.6	9944.2	10293.4	10604.9	10916.4	11278.2
7.5°	7843.3	8213.5	8667.5	9121.5	9561.5	10000.1	10556.0
10°	6783.1	7158.9	7639.4	8118.5	8613.0	9106.1	9734.7
12.5°	6109.8	6414.4	6879.5	7344.7	7925.7	8505.4	9110.3
15°	5665.6	5998.1	6450.7	6903.3	7538.8	8174.4	8870.0
17.5°	5192.1	5626.5	6206.2	6785.9	7538.8	8290.3	9110.3
20°	4696.2	5236.8	5988.3	6739.8	7753.9	8766.7	9812.9
22.5°	4201.7	4827.5	5791.4	6753.8	8079.4	9403.6	10815.8
25°	3756.1	4478.3	5671.2	6862.7	8552.9	10241.7	11993.4
27.5°	3418.1	4205.9	5622.3	7037.3	9153.6	11269.8	13274.3
30°	3117.8	3919.6	5563.7	7207.8	9731.9	12254.6	14275.8
32.5°	2858.0	3640.2	5450.5	7259.4	10135.6	13011.7	15123.7
35°	2654.0	3422.3	5260.6	7098.8	10388.4	13678.0	16006.5
37.5°	2478.0	3203.0	5044.0	6885.1	10613.3	14341.5	16999.7
40°	2310.4	2968.3	4858.3	6746.8	10923.4	15100.0	18048.7
42.5°	2151.2	2775.5	4708.8	6642.0	11211.1	15778.9	18966.5
45°	2032.4	2627.5	4576.1	6523.3	11396.9	16270.6	19657.9
47.5°	1973.8	2539.5	4504.9	6468.8	11582.7	16695.2	20232.0
50°	1965.4	2524.1	4585.9	6647.6	11985.0	17321.0	20888.6
52.5°	1964.0	2549.3	4819.1	7089.0	12732.3	18374.2	21599.5
55°	1934.6	2564.6	5097.1	7628.2	13735.3	19840.9	22877.7
57.5°	1845.2	2511.5	5383.5	8254.0	14795.5	21335.5	24317.8
60°	1707.0	2383.0	5619.5	8854.7	15507.9	22159.7	24872.4
62.5°	1533.7	2158.1	5697.8	9236.0	15488.3	21740.6	24313.6
65°	1385.7	1922.1	5440.7	8958.0	14704.7	20449.9	23208.7
67.5°	1254.4	1686.0	4798.2	7909.0	13295.3	18680.1	21803.5
70°	1159.4	1531.0	3969.9	6408.8	11531.0	16651.9	20176.2
72.5°	1099.3	1456.9	3236.5	5014.7	9357.5	13698.9	17258.1
75°	1016.9	1341.0	2539.5	3736.6	7161.7	10586.8	13035.4
77.5°	863.3	1130.1	1913.7	2697.3	5255.0	7811.2	9065.6
80°	666.3	873.0	1315.8	1758.6	3616.5	5474.3	6181.1
82.5°	474.9	609.0	797.6	986.2	2402.6	3817.6	3876.3
85°	293.3	354.8	456.8	558.7	1589.6	2620.5	2183.3
87.5°	157.8	188.6	241.7	293.3	508.5	723.6	416.3
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: P320491
 CATALOG NUMBER: GLEON-SA7C-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
 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

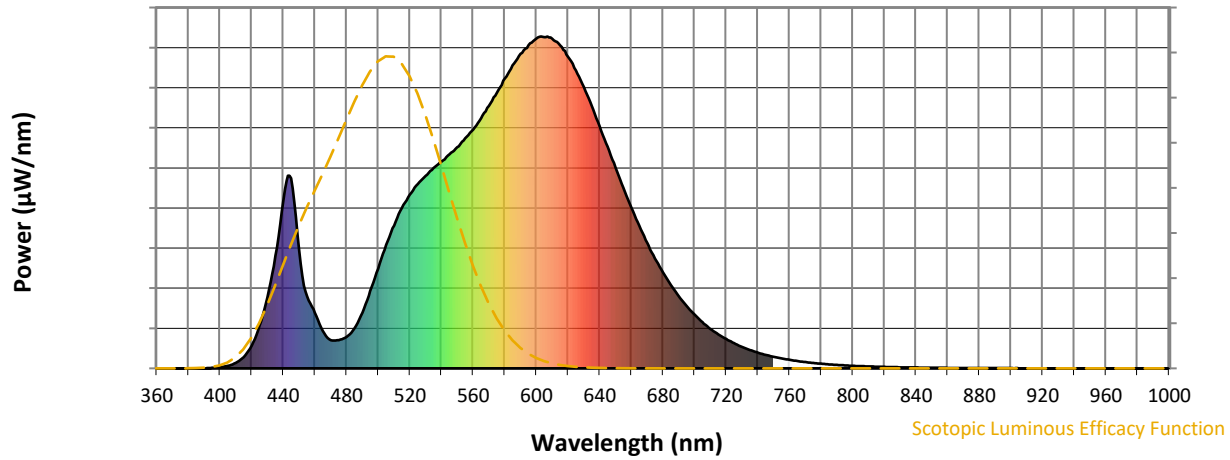


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

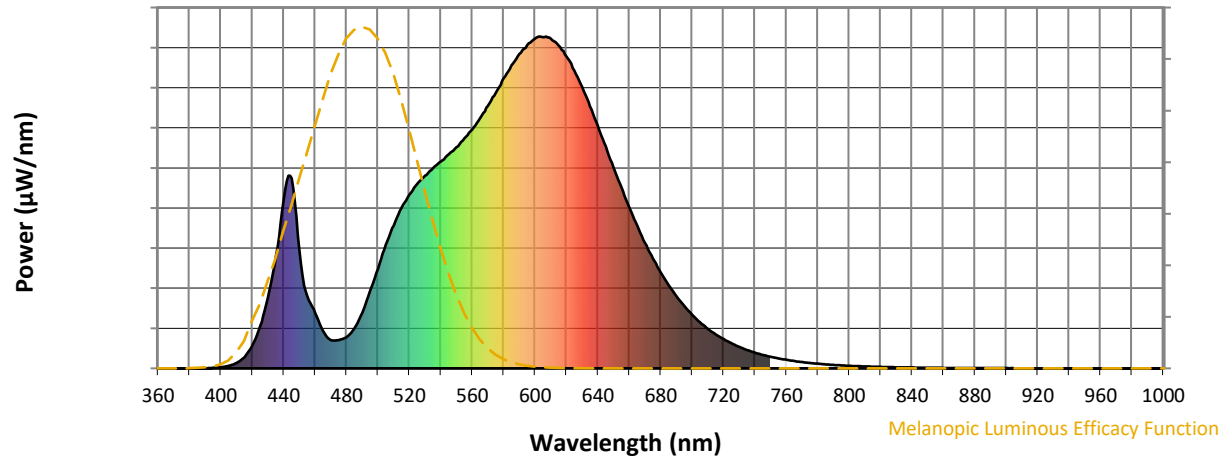
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.27

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

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

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

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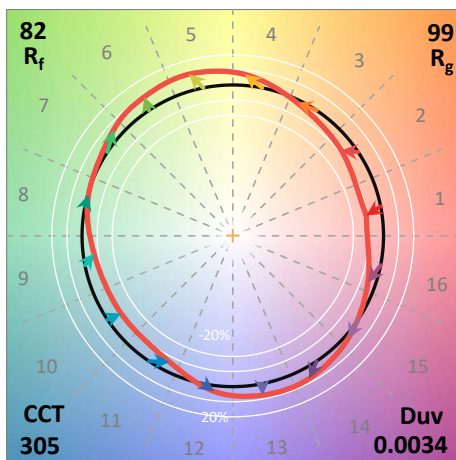
TM-30-18

Summary

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



Color Vector Graphics

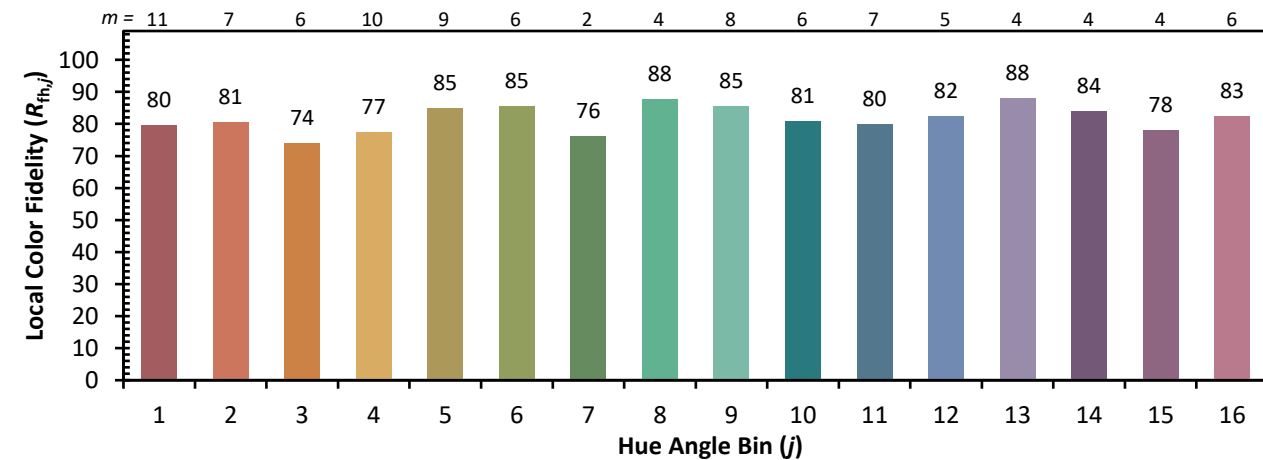


Individual Sample Fidelity Index ($R_{f,i}$)

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)