

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: P386057

Luminaire Tested: **GPC-SA1C-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386057
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: GPC-SA1C-830-U-SLR
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5276 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

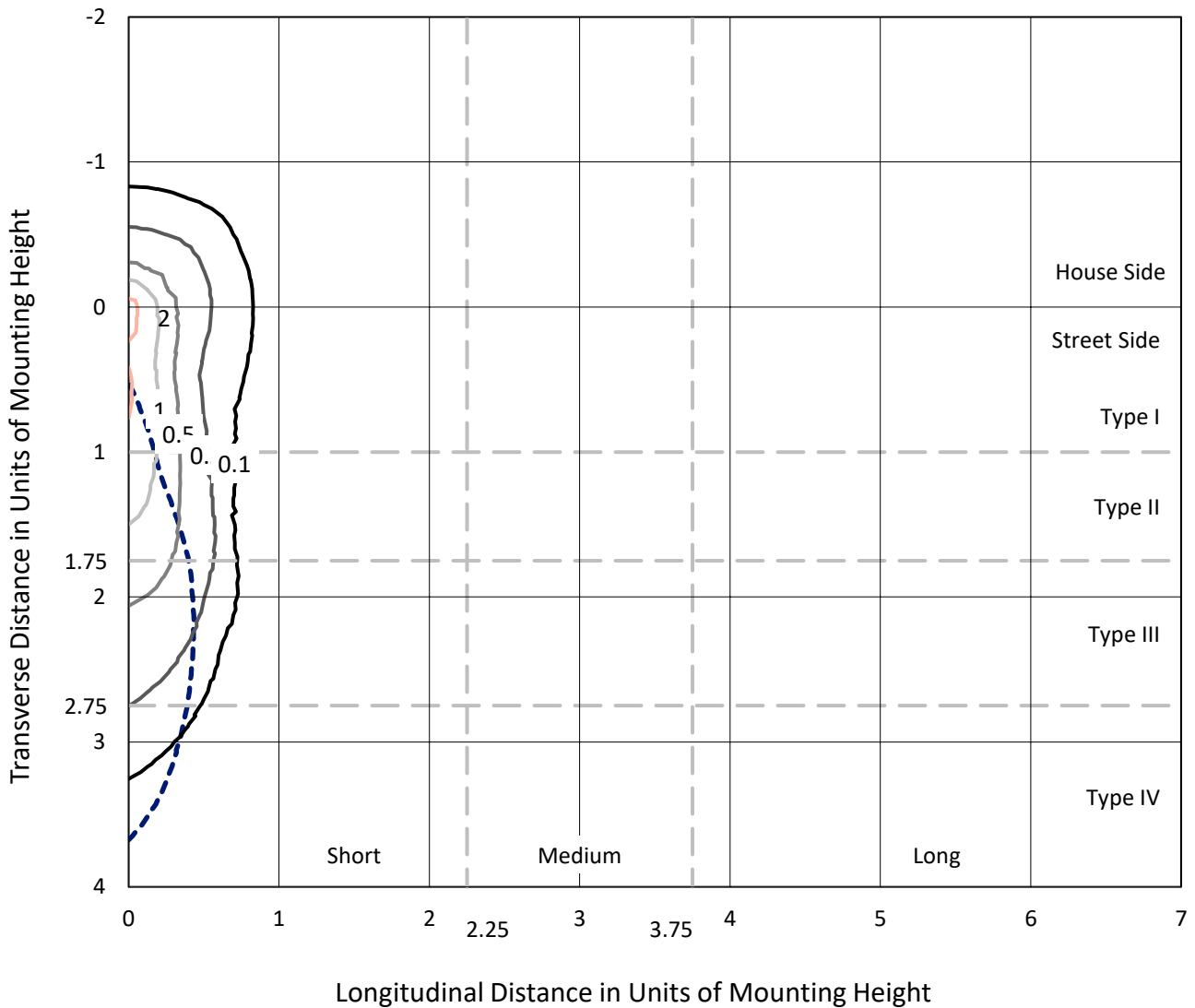
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

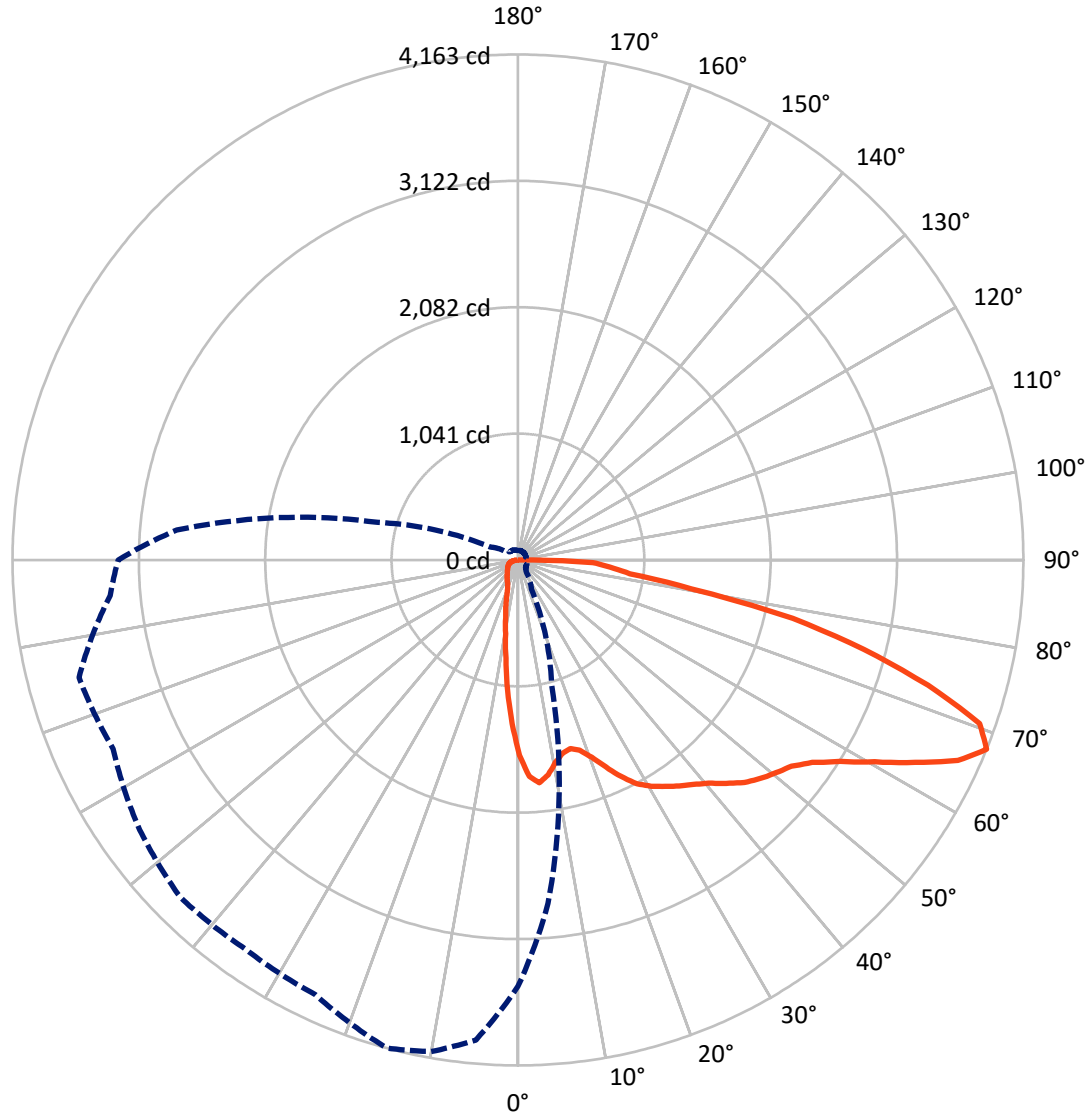
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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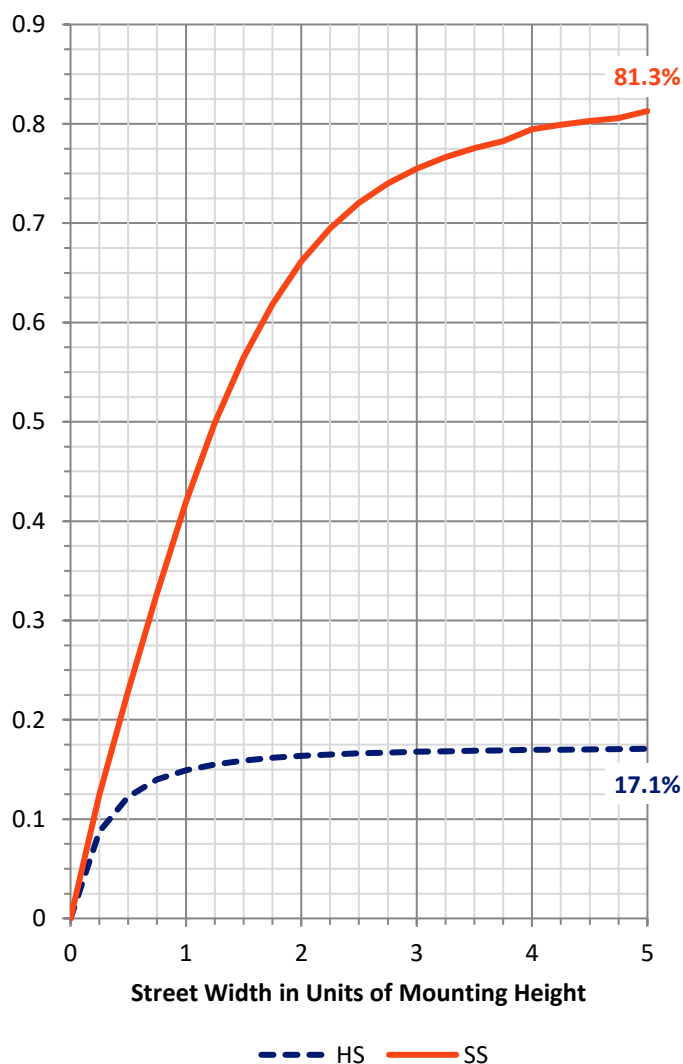
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.1	0.0	912.1
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	4363.9	0.0	4363.9
	% Fixture	82.7	0.0	82.7
Total	Lumens	5276.0	0.0	5276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	2.4
10°-20°	257.7	4.9
20°-30°	366.5	6.9
30°-40°	528.1	10.0
40°-50°	744.3	14.1
50°-60°	1034.7	19.6
60°-70°	1251.3	23.7
70°-80°	769.1	14.6
80°-90°	200.1	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°	5276.0	100.0
0°-180°	5276.0	100.0

Coefficient of Utilization

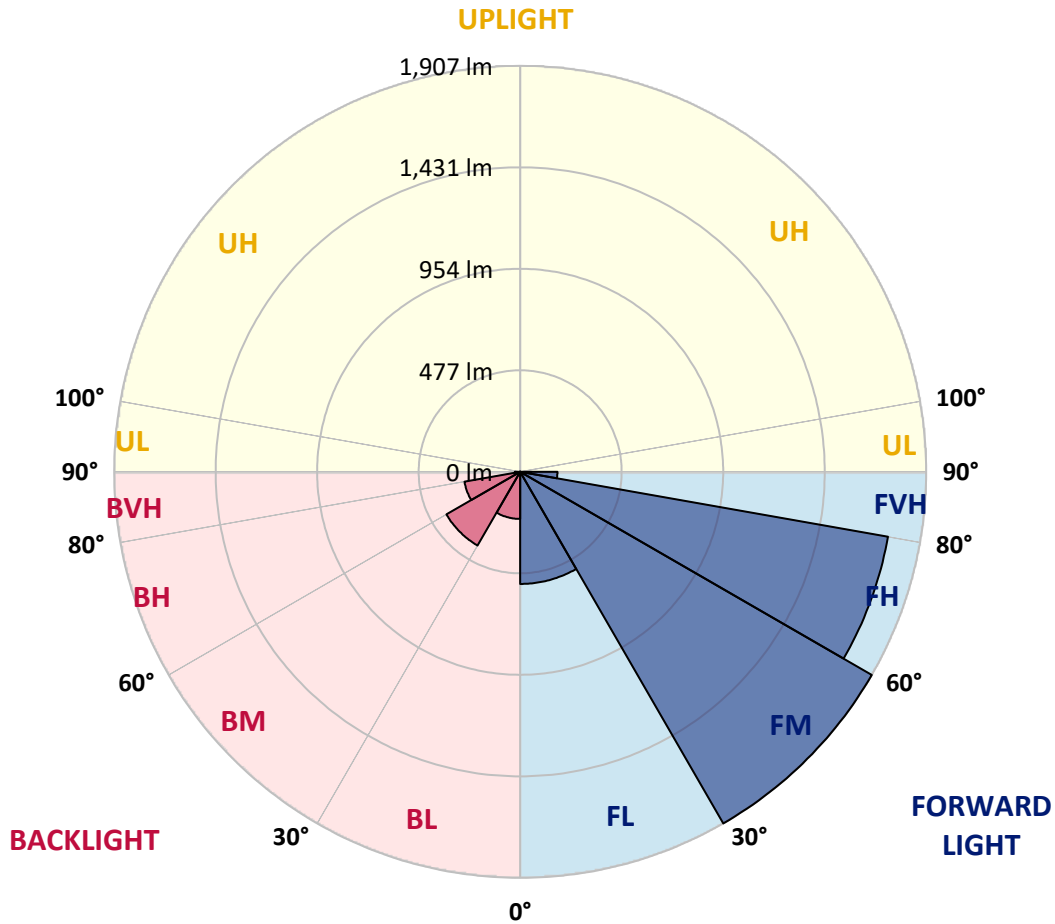


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.8	10.0			
FM (30°-60°)	1907.4	36.2			
FH (60°-80°)	1754.6	33.3			G1/1800
FVH (80°-90°)	175.0	3.3			G2/225
BL (0°-30°)	221.5	4.2	B1/500		
BM (30°-60°)	399.8	7.6	B1/1000		
BH (60°-80°)	265.8	5.0	B1/500		G1/500
BVH (80°-90°)	25.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1721.9	1706.7	1683.7	1660.7	1643.7	1626.4	1606.7	1587.1	1564.8	1542.2	1528.9
5°	1693.4	1651.2	1596.4	1541.6	1505.3	1469.0	1427.9	1386.7	1346.0	1305.3	1283.4
7.5°	1565.2	1501.9	1430.6	1359.3	1306.6	1253.6	1196.7	1139.5	1088.9	1038.0	1006.6
10°	1439.0	1363.1	1281.3	1199.2	1131.7	1064.2	1007.0	949.7	911.5	873.3	844.4
12.5°	1348.5	1264.4	1174.3	1084.0	1016.5	949.0	912.7	876.5	844.8	813.2	779.8
15°	1312.7	1217.6	1125.4	1033.0	971.6	910.2	869.9	829.4	787.0	744.4	703.5
17.5°	1344.3	1232.9	1132.8	1032.6	952.2	871.8	815.5	759.0	703.1	647.2	599.7
20°	1443.0	1300.9	1169.9	1038.7	931.7	824.8	749.3	673.5	601.8	530.1	476.3
22.5°	1581.6	1393.5	1222.4	1051.3	913.2	774.8	680.1	585.2	500.4	415.6	362.8
25°	1750.0	1516.2	1298.1	1079.8	905.6	731.1	614.7	498.2	408.8	319.2	281.6
27.5°	1927.4	1662.6	1392.2	1121.6	906.8	692.1	559.6	426.9	346.4	265.8	240.1
30°	2075.2	1829.9	1501.9	1173.7	911.7	649.7	507.7	365.8	299.3	232.9	216.2
32.5°	2210.5	1946.6	1584.6	1222.4	917.2	611.7	467.7	323.4	269.2	214.7	201.0
35°	2350.1	2050.1	1642.4	1234.4	907.7	580.7	440.2	299.7	249.8	199.6	187.9
37.5°	2503.9	2162.1	1698.1	1233.8	891.6	549.5	418.9	288.1	237.1	185.8	177.4
40°	2675.4	2286.0	1758.4	1230.8	877.1	523.1	403.1	282.9	230.1	177.2	170.0
42.5°	2843.1	2404.1	1814.5	1224.9	865.3	505.4	387.5	269.6	223.8	177.8	167.7
45°	2969.0	2507.2	1863.2	1219.0	856.4	493.8	375.3	256.7	217.9	179.1	166.2
47.5°	3064.5	2610.8	1917.2	1223.5	855.6	487.7	366.6	245.5	206.7	167.7	162.4
50°	3186.1	2735.3	1995.9	1256.6	867.2	477.8	356.5	235.0	196.0	156.9	164.1
52.5°	3337.3	2912.9	2117.8	1322.6	891.4	460.3	340.5	220.6	182.9	144.9	156.1
55°	3559.4	3140.5	2273.7	1406.8	920.8	434.5	316.2	197.7	165.6	133.3	143.2
57.5°	3758.8	3370.4	2423.3	1476.0	939.1	402.1	285.6	169.2	146.2	123.2	128.9
60°	3847.6	3489.0	2493.3	1497.5	928.1	358.8	251.2	143.4	129.1	114.8	113.7
62.5°	3813.0	3413.7	2424.3	1435.0	874.6	314.1	220.9	127.6	116.9	105.9	103.6
65°	3711.7	3177.0	2231.1	1285.3	784.1	282.9	201.7	120.4	108.4	96.4	93.9
67.5°	3512.2	2840.1	1957.3	1074.5	669.1	263.7	190.7	117.7	103.2	88.4	85.4
70°	3154.0	2434.7	1642.0	849.0	550.6	251.9	183.5	115.2	97.5	79.5	76.8
72.5°	2590.6	1952.0	1311.2	670.2	460.3	250.4	182.7	115.0	92.8	70.7	68.1
75°	1854.8	1482.7	1000.9	518.9	377.0	235.0	173.4	111.8	86.5	61.0	58.6
77.5°	1248.1	1026.2	695.7	364.9	279.7	194.5	145.8	97.0	74.0	51.0	48.7
80°	801.6	710.2	466.2	222.1	181.4	140.7	104.2	67.7	54.0	40.1	38.2
82.5°	588.1	528.6	324.0	119.4	100.8	82.1	63.7	45.4	36.9	28.5	27.6
85°	373.8	412.2	238.6	65.0	53.2	41.3	34.2	27.0	21.3	15.6	15.6
87.5°	72.6	100.4	66.0	31.4	23.0	14.6	12.4	10.1	5.7	1.1	1.3
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°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1515.4	1500.8	1486.3	1469.8	1453.2	1437.8	1422.2	1405.1	1408.2	1395.2	1382.1
5°	1261.4	1238.2	1214.8	1194.6	1174.3	1156.8	1139.1	1123.3	1137.0	1127.7	1118.4
7.5°	975.0	946.3	917.4	893.1	868.9	850.1	831.1	818.0	831.5	829.8	828.2
10°	815.5	787.7	759.6	732.8	706.0	683.2	660.2	640.8	637.5	627.8	617.8
12.5°	746.3	708.1	669.7	641.7	613.6	586.4	559.2	536.4	526.1	510.1	493.8
15°	662.6	617.4	572.3	540.4	508.4	482.0	455.4	435.8	429.3	416.8	404.4
17.5°	552.2	502.9	453.5	421.2	388.8	367.7	346.4	333.3	333.3	329.7	326.1
20°	422.5	378.4	334.3	309.7	285.0	273.8	262.4	256.9	258.6	258.8	258.8
22.5°	309.9	282.9	255.9	246.0	235.8	231.8	227.8	225.5	226.3	226.6	226.8
25°	244.1	233.7	223.2	218.1	212.8	210.3	207.8	206.9	208.8	209.0	209.0
27.5°	214.3	208.0	201.4	198.3	194.9	193.9	192.8	191.3	193.2	193.2	193.0
30°	199.3	192.6	185.8	181.8	177.8	178.2	178.5	178.0	179.3	180.1	180.8
32.5°	187.1	180.6	174.0	170.0	165.8	165.2	164.5	164.1	166.9	168.3	169.8
35°	176.1	169.0	161.8	158.0	154.2	152.7	151.2	150.2	152.7	154.6	156.5
37.5°	168.8	161.4	153.8	150.2	146.4	144.5	142.6	141.3	142.4	143.2	144.1
40°	162.8	155.3	147.4	143.2	139.0	137.1	135.2	134.2	134.8	135.0	135.2
42.5°	157.4	150.0	142.6	138.0	133.1	130.8	128.5	127.2	127.6	128.0	128.3
45°	153.4	146.0	138.4	132.9	127.2	124.7	122.1	120.7	120.9	120.9	120.9
47.5°	157.2	146.4	135.4	129.1	122.6	119.6	116.7	115.2	114.8	114.3	113.9
50°	171.1	152.7	134.2	126.1	117.9	114.8	111.4	109.7	108.6	108.2	107.8
52.5°	167.1	151.2	135.2	124.9	114.3	110.5	106.7	104.0	102.9	102.3	101.7
55°	152.9	143.0	132.9	120.4	108.0	104.6	101.0	99.1	97.2	96.8	96.4
57.5°	134.4	130.4	126.4	113.7	101.0	97.9	94.5	93.2	91.5	91.5	91.3
60°	112.4	118.3	124.2	109.7	94.9	91.3	87.8	86.7	86.1	85.9	85.6
62.5°	101.0	110.7	120.2	104.8	89.2	85.4	81.6	80.4	80.2	80.4	80.4
65°	91.3	94.3	97.2	90.1	82.9	79.1	75.1	73.8	74.3	74.9	75.5
67.5°	82.5	81.8	81.2	78.7	75.9	72.8	69.4	68.1	68.3	69.2	70.0
70°	74.0	73.2	72.1	70.2	68.3	65.6	62.9	62.0	61.8	62.9	63.7
72.5°	65.6	64.5	63.3	61.8	60.1	57.8	55.5	54.8	55.1	55.7	56.3
75°	56.3	55.5	54.4	53.2	51.7	49.6	47.5	47.0	47.5	48.1	48.7
77.5°	46.2	46.0	45.6	44.5	43.5	41.1	38.6	38.4	39.0	39.7	40.1
80°	36.1	36.3	36.5	35.6	34.8	32.3	29.5	29.3	30.0	30.6	31.2
82.5°	26.6	27.2	27.6	26.6	25.5	22.6	19.6	19.2	21.3	21.9	22.6
85°	15.4	16.2	17.1	16.2	15.4	12.4	9.5	9.3	11.2	12.2	13.3
87.5°	1.3	1.7	2.1	1.9	1.7	0.8	0.0	0.0	0.2	1.1	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1373.9	1365.6	1363.1	1360.6	1351.3	1341.8	1351.5	1361.0	1365.0	1369.0	1358.7
5°	1117.1	1115.7	1115.7	1115.5	1107.0	1098.4	1104.9	1111.2	1097.1	1083.0	1081.5
7.5°	837.2	846.3	853.7	860.8	858.1	855.4	861.5	867.6	849.7	831.5	822.7
10°	620.0	621.9	629.9	637.9	639.8	641.5	649.1	656.4	642.5	628.6	622.5
12.5°	483.7	473.6	474.6	475.5	479.3	482.8	490.9	498.7	493.0	487.1	487.7
15°	391.7	378.8	373.6	368.1	372.3	376.5	382.2	387.7	387.9	387.9	393.4
17.5°	319.8	313.2	308.0	302.5	308.2	313.7	314.3	314.9	315.1	315.4	314.9
20°	262.0	265.2	263.5	261.8	263.9	265.8	267.5	268.9	267.1	264.9	259.7
22.5°	229.7	232.5	234.6	236.5	240.1	243.4	241.7	239.8	236.0	232.0	228.0
25°	210.9	212.8	214.9	217.1	220.0	222.8	219.8	216.8	214.1	211.4	208.6
27.5°	195.1	197.0	198.9	200.6	203.3	205.9	203.1	200.4	198.1	195.8	193.6
30°	182.3	183.5	185.0	186.5	189.0	191.3	189.0	186.5	184.8	182.9	181.4
32.5°	171.3	172.5	173.2	173.8	176.1	178.5	176.8	175.1	173.6	172.1	171.1
35°	159.3	161.8	162.2	162.6	165.0	167.3	166.2	165.0	163.3	161.6	159.7
37.5°	147.0	150.0	151.7	153.1	155.5	157.8	156.7	155.7	153.4	151.0	147.7
40°	136.7	138.0	141.1	144.1	147.9	151.5	149.3	147.0	143.4	139.9	138.2
42.5°	128.0	127.8	130.8	133.7	139.4	144.9	141.1	137.3	133.9	130.6	130.2
45°	120.4	119.8	121.3	122.8	128.9	134.8	131.0	127.0	125.1	123.2	123.2
47.5°	113.7	113.3	114.3	115.2	119.0	122.6	120.7	118.8	117.7	116.7	116.9
50°	107.6	107.2	108.2	109.1	110.5	111.8	112.2	112.4	111.8	111.2	111.6
52.5°	101.9	101.9	102.3	102.5	104.4	106.3	106.3	106.1	106.1	106.1	106.5
55°	97.0	97.5	97.5	97.5	100.4	103.2	102.3	101.5	101.7	101.7	102.1
57.5°	92.2	92.8	93.2	93.7	96.6	99.6	98.7	97.9	97.9	97.9	98.1
60°	86.7	87.5	88.4	89.2	92.2	95.1	94.3	93.2	93.4	93.7	93.9
62.5°	81.4	82.3	83.1	84.0	86.9	89.9	89.0	88.0	88.6	89.0	89.0
65°	76.4	77.0	77.8	78.7	81.4	84.2	83.3	82.5	83.3	84.0	84.4
67.5°	70.7	71.1	71.9	72.8	75.5	78.3	77.4	76.4	77.4	78.3	79.1
70°	64.1	64.5	65.6	66.4	69.2	71.9	70.9	69.8	70.9	71.9	72.8
72.5°	57.0	57.4	58.4	59.3	62.4	65.6	64.3	63.1	64.3	65.6	66.0
75°	49.1	49.6	50.8	51.9	55.1	58.2	57.2	55.9	57.0	58.0	58.2
77.5°	40.7	41.3	43.0	44.7	47.3	49.8	49.1	48.5	49.1	49.8	49.8
80°	31.9	32.5	34.6	36.5	38.0	39.4	39.7	39.9	40.1	40.3	40.1
82.5°	23.6	24.5	26.4	28.3	28.3	28.3	30.0	31.4	31.4	31.2	31.0
85°	14.6	15.6	17.3	19.0	17.9	16.9	19.6	22.1	22.1	21.9	21.5
87.5°	3.0	4.0	5.7	7.2	6.1	5.1	7.8	10.5	10.8	10.8	10.3
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):

	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1348.1	1364.6	1380.8	1385.0	1391.4	1394.1	1396.6	1417.3	1437.8	1461.8	1485.9
5°	1079.8	1092.0	1104.3	1106.2	1112.7	1116.1	1119.5	1144.6	1169.5	1203.0	1236.5
7.5°	813.8	816.8	819.7	819.3	824.8	832.2	839.3	866.1	892.7	928.8	964.6
10°	616.4	623.1	629.7	635.8	647.8	661.7	675.4	702.9	730.3	765.9	801.4
12.5°	488.3	496.1	503.7	510.5	524.4	543.0	561.3	594.2	627.1	669.7	712.1
15°	398.7	398.0	397.4	402.1	414.3	434.5	454.6	489.4	524.2	571.0	617.6
17.5°	314.5	311.3	308.2	311.8	323.2	339.8	356.3	385.8	415.1	460.5	505.8
20°	254.4	252.3	250.2	253.6	260.7	267.7	274.6	296.0	317.0	354.0	390.7
22.5°	223.8	223.6	223.2	225.1	228.4	232.0	235.4	245.7	255.9	279.7	303.3
25°	205.9	205.7	205.5	206.3	209.0	211.8	214.5	221.3	228.0	239.4	250.8
27.5°	191.5	191.1	190.7	190.9	191.5	195.8	199.8	202.9	205.9	213.7	221.3
30°	179.9	179.7	179.5	179.5	178.9	180.4	181.8	186.7	191.3	199.3	207.4
32.5°	170.0	169.0	167.9	165.6	164.1	166.2	168.3	173.4	178.5	185.8	193.2
35°	157.6	154.8	151.9	150.6	150.8	152.9	155.0	160.1	165.0	173.0	180.8
37.5°	144.1	143.2	142.2	142.0	142.6	144.7	146.8	151.2	155.5	163.5	171.3
40°	136.5	136.1	135.6	135.2	135.6	137.7	139.9	144.1	148.1	155.9	163.5
42.5°	129.7	129.5	129.3	129.3	129.5	131.8	134.2	138.4	142.4	149.3	156.3
45°	123.2	123.4	123.4	123.8	124.5	126.8	128.9	133.5	138.2	144.9	151.7
47.5°	117.1	117.7	118.1	119.2	119.8	122.3	124.7	129.7	134.8	143.2	151.5
50°	111.8	112.4	112.9	113.7	115.4	118.3	121.3	127.4	133.3	147.4	161.4
52.5°	106.9	107.6	108.2	109.1	111.2	114.5	117.9	125.5	132.9	149.3	165.8
55°	102.5	103.2	103.6	104.8	106.9	109.9	112.6	121.9	131.2	143.2	155.3
57.5°	98.3	98.9	99.4	100.2	101.3	104.4	107.4	117.3	127.2	135.6	143.9
60°	93.9	94.3	94.5	94.5	95.3	98.9	102.5	115.2	127.6	126.1	124.5
62.5°	89.0	89.4	89.6	89.0	90.1	93.9	97.7	114.1	130.6	120.4	110.3
65°	84.6	84.4	84.2	83.5	84.8	88.6	92.2	100.4	108.6	104.6	100.6
67.5°	79.7	79.1	78.5	77.6	78.9	82.3	85.4	88.2	90.9	91.3	91.8
70°	73.6	72.8	71.9	71.7	72.4	75.1	77.8	79.7	81.4	82.3	82.9
72.5°	66.4	65.8	65.2	64.8	65.0	67.3	69.4	71.1	72.8	73.4	73.8
75°	58.4	58.4	58.2	57.0	57.0	58.9	60.5	62.0	63.5	64.3	65.2
77.5°	49.8	50.0	50.0	48.3	48.1	50.0	51.7	52.9	54.0	54.8	55.5
80°	39.9	39.4	39.0	38.0	37.5	39.9	42.0	43.0	43.9	44.1	44.1
82.5°	30.6	29.7	28.7	26.4	26.6	29.1	31.4	32.3	33.1	33.1	33.1
85°	20.9	19.2	17.3	15.4	15.6	18.4	20.9	21.7	22.6	23.0	23.2
87.5°	9.9	8.2	6.3	4.9	4.9	7.2	9.3	9.7	10.1	11.0	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P386057
 CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1504.2	1522.4	1541.1	1559.9	1581.4	1602.9	1628.0	1652.9	1674.2	1695.5	1713.3
5°	1265.4	1294.3	1328.3	1362.3	1405.5	1448.7	1501.7	1554.4	1601.5	1648.5	1703.1
7.5°	1002.4	1039.9	1084.2	1128.5	1184.4	1240.3	1308.9	1377.4	1443.9	1510.1	1594.1
10°	840.8	880.3	923.9	967.4	1024.3	1081.1	1153.6	1226.0	1300.7	1375.1	1470.0
12.5°	756.0	799.7	838.1	876.5	922.7	968.6	1038.9	1109.1	1196.9	1284.4	1375.8
15°	665.5	713.2	759.2	805.2	855.6	905.8	974.1	1042.5	1138.4	1234.4	1339.5
17.5°	556.0	606.2	662.4	718.3	784.1	849.7	937.2	1024.8	1138.4	1251.9	1375.8
20°	441.9	493.2	560.3	627.3	709.2	790.8	904.3	1017.8	1170.9	1323.9	1481.9
22.5°	348.7	393.8	467.0	540.0	634.5	729.0	874.6	1019.9	1220.1	1420.1	1633.3
25°	282.7	314.5	386.4	458.2	567.2	676.3	856.4	1036.4	1291.6	1546.6	1811.1
27.5°	242.2	263.0	330.1	397.0	516.2	635.1	849.0	1062.7	1382.3	1701.9	2004.6
30°	221.9	236.5	293.2	349.7	470.8	591.9	840.2	1088.5	1469.6	1850.6	2155.8
32.5°	205.0	216.6	265.2	313.5	431.6	549.7	823.1	1096.3	1530.6	1964.9	2283.9
35°	190.7	200.4	242.6	284.8	400.8	516.8	794.4	1072.0	1568.8	2065.5	2417.2
37.5°	179.1	186.7	225.7	264.7	374.2	483.7	761.7	1039.7	1602.7	2165.7	2567.2
40°	170.0	176.6	213.1	249.5	348.9	448.2	733.7	1018.8	1649.6	2280.3	2725.6
42.5°	165.0	173.4	202.1	230.6	324.8	419.1	711.1	1003.0	1693.0	2382.8	2864.2
45°	163.7	175.7	196.4	217.1	306.9	396.8	691.0	985.1	1721.1	2457.0	2968.6
47.5°	161.6	171.5	192.0	212.4	298.1	383.5	680.3	976.9	1749.1	2521.2	3055.3
50°	162.8	164.1	188.4	212.4	296.8	381.2	692.5	1003.9	1809.9	2615.7	3154.4
52.5°	160.5	155.0	181.6	208.2	296.6	385.0	727.7	1070.5	1922.7	2774.7	3261.8
55°	148.3	141.1	169.0	196.8	292.2	387.3	769.7	1151.9	2074.2	2996.2	3454.8
57.5°	137.5	131.0	154.6	178.0	278.7	379.3	813.0	1246.5	2234.3	3221.9	3672.3
60°	123.2	121.7	138.6	155.5	257.8	359.9	848.6	1337.2	2341.9	3346.4	3756.0
62.5°	111.4	112.2	124.7	137.1	231.6	325.9	860.4	1394.7	2338.9	3283.1	3671.6
65°	102.3	103.8	116.0	128.3	209.3	290.3	821.6	1352.8	2220.6	3088.2	3504.8
67.5°	93.4	95.1	109.7	124.0	189.4	254.6	724.6	1194.3	2007.7	2820.9	3292.6
70°	85.0	87.1	102.9	118.8	175.1	231.2	599.5	967.8	1741.3	2514.6	3046.8
72.5°	75.9	78.0	94.9	111.8	166.0	220.0	488.8	757.3	1413.1	2068.7	2606.2
75°	66.7	68.1	86.5	104.6	153.6	202.5	383.5	564.3	1081.5	1598.7	1968.5
77.5°	57.4	59.3	74.7	89.9	130.4	170.7	289.0	407.3	793.6	1179.6	1369.0
80°	45.8	47.5	58.4	69.2	100.6	131.8	198.7	265.6	546.1	826.7	933.4
82.5°	35.0	36.9	44.3	51.5	71.7	92.0	120.4	148.9	362.8	576.5	585.4
85°	24.0	24.7	30.0	35.0	44.3	53.6	69.0	84.4	240.1	395.7	329.7
87.5°	12.0	12.0	15.6	19.2	23.8	28.5	36.5	44.3	76.8	109.3	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386057
 CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386057

CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1735.8	1751.2	1766.8	1778.7	1790.7	1808.0	1825.3	1828.4	1831.8	1825.1	1818.3
5°	1758.2	1804.8	1851.6	1894.9	1938.1	1964.1	1990.0	1995.3	2000.6	1984.3	1967.9
7.5°	1675.3	1756.5	1837.7	1912.2	1986.6	2031.8	2077.1	2087.3	2097.6	2071.0	2044.4
10°	1564.5	1664.3	1764.1	1862.2	1960.3	2025.9	2091.5	2104.6	2117.6	2084.5	2051.4
12.5°	1478.9	1585.4	1692.0	1795.3	1898.9	1966.8	2034.7	2051.0	2067.2	2043.2	2018.9
15°	1452.5	1552.7	1652.9	1743.0	1833.3	1888.8	1944.5	1951.0	1957.7	1953.9	1950.1
17.5°	1500.4	1590.9	1681.6	1730.6	1779.7	1801.9	1824.2	1831.4	1838.8	1848.3	1858.0
20°	1616.4	1680.1	1744.1	1742.0	1739.6	1728.9	1717.9	1716.0	1714.1	1741.3	1768.7
22.5°	1789.6	1814.9	1840.5	1781.2	1721.9	1685.8	1649.6	1642.4	1635.0	1663.9	1693.0
25°	1977.6	1972.9	1968.1	1855.2	1742.2	1673.4	1604.6	1596.6	1588.6	1613.3	1638.2
27.5°	2163.6	2133.2	2102.9	1949.5	1796.2	1696.4	1596.6	1588.6	1580.6	1602.5	1624.5
30°	2300.1	2251.4	2202.6	2029.0	1855.4	1736.9	1618.3	1605.3	1592.0	1619.0	1646.0
32.5°	2406.6	2341.2	2275.8	2093.6	1911.3	1783.1	1654.8	1634.4	1613.9	1650.0	1686.1
35°	2512.9	2421.0	2328.8	2151.2	1973.4	1837.7	1701.9	1676.8	1651.7	1701.2	1750.8
37.5°	2646.7	2514.6	2382.4	2215.9	2049.5	1919.6	1789.4	1763.7	1737.9	1801.0	1864.3
40°	2791.8	2615.7	2439.5	2286.8	2134.1	2032.8	1931.4	1906.9	1882.2	1959.0	2035.8
42.5°	2912.5	2709.7	2507.0	2372.2	2237.2	2165.9	2094.4	2094.2	2093.8	2171.6	2249.5
45°	3010.5	2788.2	2565.7	2455.6	2345.2	2308.1	2271.0	2300.7	2330.5	2400.7	2471.2
47.5°	3083.7	2854.0	2624.1	2550.9	2477.7	2483.2	2488.7	2549.2	2609.8	2654.9	2700.3
50°	3131.4	2913.7	2695.8	2673.3	2650.7	2699.8	2749.2	2818.6	2888.2	2919.0	2949.8
52.5°	3200.8	2994.7	2788.4	2813.7	2839.1	2939.5	3039.9	3110.1	3180.4	3191.7	3203.3
55°	3361.3	3143.7	2925.8	2974.3	3023.0	3170.2	3317.7	3372.5	3427.4	3431.6	3435.8
57.5°	3589.4	3352.3	3115.2	3167.5	3219.8	3389.8	3560.1	3619.1	3678.4	3670.2	3661.7
60°	3760.0	3550.3	3340.5	3393.2	3445.9	3611.7	3777.5	3845.5	3913.6	3895.4	3877.3
62.5°	3770.6	3658.6	3546.3	3594.0	3641.9	3804.3	3966.7	4036.6	4106.4	4074.7	4043.1
65°	3602.9	3653.1	3703.3	3719.1	3734.9	3886.4	4038.0	4091.4	4145.0	4129.0	4112.9
67.5°	3371.9	3556.9	3742.1	3710.2	3678.4	3749.5	3820.6	3875.6	3930.7	3921.6	3912.3
70°	3141.3	3388.3	3635.4	3478.8	3322.1	3292.8	3263.5	3322.7	3382.2	3345.5	3308.6
72.5°	2748.8	3012.0	3275.5	2987.1	2698.8	2598.6	2498.4	2573.7	2649.0	2590.6	2531.9
75°	2157.7	2448.6	2739.7	2395.7	2051.6	1917.9	1784.1	1848.9	1913.7	1873.6	1833.3
77.5°	1606.3	1893.0	2179.7	1829.9	1480.0	1380.6	1281.0	1300.2	1319.6	1312.9	1305.9
80°	1089.5	1289.3	1489.2	1256.4	1023.5	1031.1	1038.9	1029.8	1020.5	1034.0	1047.5
82.5°	695.3	849.5	1003.9	880.3	756.6	827.5	898.4	863.6	828.6	841.4	854.5
85°	396.8	547.6	698.6	651.2	603.5	644.8	686.4	632.4	578.4	602.0	625.9
87.5°	104.6	302.9	501.4	455.2	409.0	355.4	301.9	230.3	158.8	232.0	305.2
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: P386057
 CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386057

CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4	1607.4
2.5°	1814.7	1811.1	1798.3	1785.2	1765.8	1749.8	1721.9
5°	1945.1	1922.3	1883.1	1843.6	1799.7	1749.3	1693.4
7.5°	1991.3	1937.9	1862.6	1787.1	1719.2	1639.4	1565.2
10°	1971.7	1891.7	1793.8	1695.8	1613.3	1521.5	1439.0
12.5°	1934.1	1849.1	1741.3	1633.3	1539.4	1440.9	1348.5
15°	1882.4	1814.5	1713.5	1612.4	1517.9	1422.2	1312.7
17.5°	1825.9	1793.6	1720.6	1647.4	1565.6	1472.8	1344.3
20°	1780.3	1792.2	1763.0	1733.9	1668.3	1587.3	1443.0
22.5°	1749.5	1806.3	1828.6	1851.2	1811.8	1748.5	1581.6
25°	1732.2	1826.3	1901.2	1976.3	1958.8	1910.1	1750.0
27.5°	1739.8	1855.2	1971.5	2087.9	2104.1	2090.6	1927.4
30°	1762.6	1879.5	2021.0	2162.8	2227.5	2245.7	2075.2
32.5°	1800.6	1915.1	2069.3	2223.7	2321.6	2379.4	2210.5
35°	1858.0	1965.1	2125.9	2286.6	2413.2	2518.6	2350.1
37.5°	1956.5	2048.7	2196.9	2345.5	2509.6	2668.0	2503.9
40°	2100.8	2165.9	2291.2	2416.8	2623.3	2837.2	2675.4
42.5°	2282.8	2316.3	2415.7	2515.0	2742.0	2990.7	2843.1
45°	2480.0	2488.9	2551.3	2614.0	2836.1	3095.3	2969.0
47.5°	2669.9	2639.5	2664.4	2689.3	2908.2	3170.0	3064.5
50°	2865.2	2780.6	2767.5	2754.5	2980.4	3258.0	3186.1
52.5°	3063.9	2924.5	2872.8	2820.9	3066.4	3374.6	3337.3
55°	3258.4	3081.0	3011.4	2941.8	3198.1	3517.0	3559.4
57.5°	3460.7	3259.7	3195.1	3130.6	3391.5	3697.4	3758.8
60°	3678.4	3479.3	3427.6	3375.7	3632.0	3892.3	3847.6
62.5°	3884.9	3726.7	3699.5	3672.1	3875.2	4042.1	3813.0
65°	4022.9	3932.6	3957.9	3983.4	4059.1	4079.4	3711.7
67.5°	3930.7	3949.0	4056.0	4163.1	4111.0	3968.4	3512.2
70°	3418.5	3528.6	3782.0	4035.5	3919.9	3671.2	3154.0
72.5°	2655.5	2779.4	3155.5	3531.8	3425.3	3120.7	2590.6
75°	1972.9	2112.8	2527.9	2943.0	2795.2	2334.3	1854.8
77.5°	1399.6	1493.3	1903.1	2313.2	2072.1	1553.8	1248.1
80°	1018.8	990.2	1218.6	1447.1	1407.0	1027.7	801.6
82.5°	784.5	714.5	822.0	929.6	923.7	713.2	588.1
85°	597.8	569.8	664.9	760.0	678.6	483.1	373.8
87.5°	348.5	391.9	503.9	616.2	462.4	146.6	72.6
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: P386057
 CATALOG NUMBER: GPC-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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.

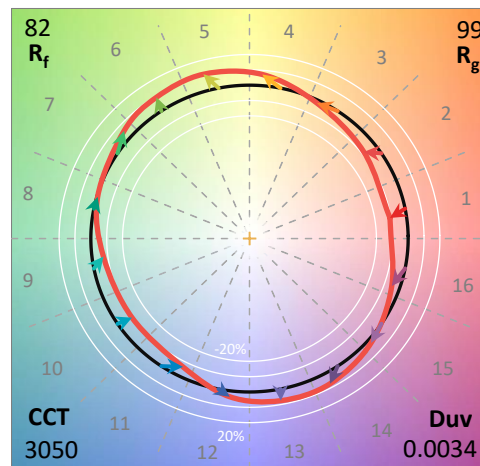
Test Information

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



Test Conditions

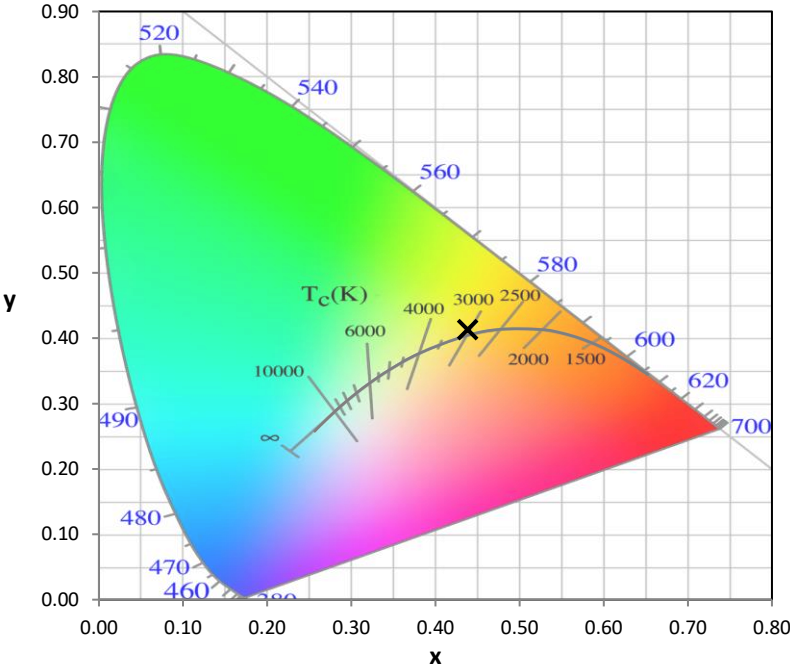
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

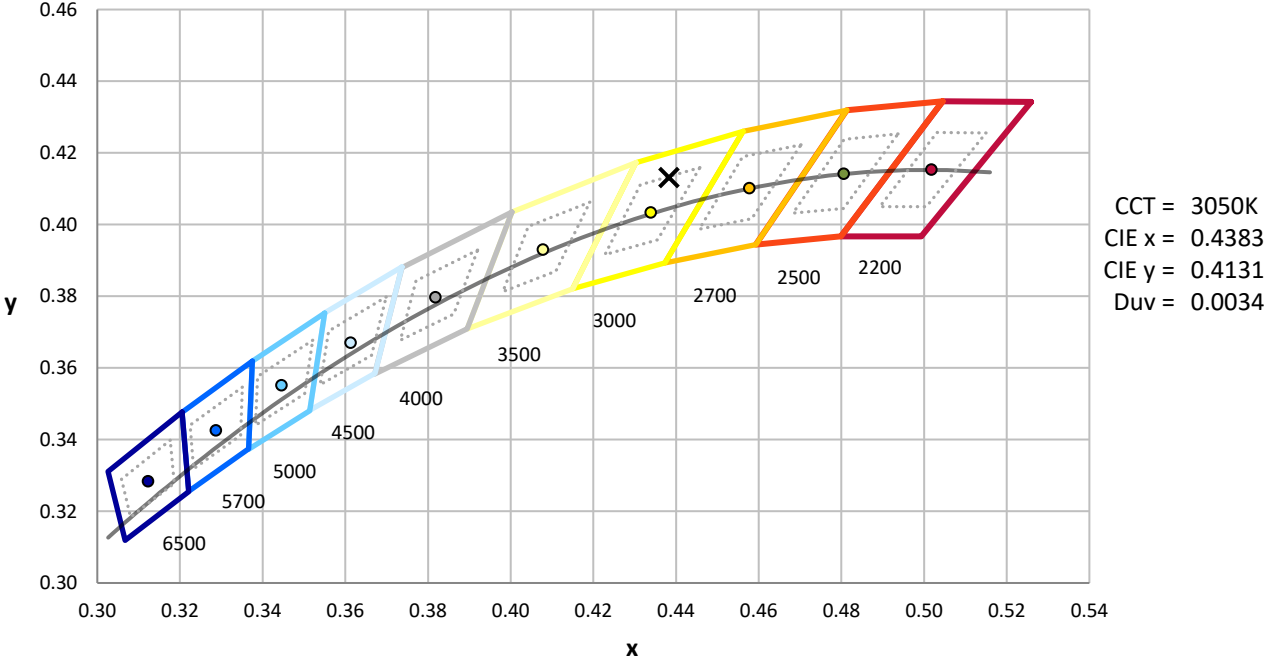
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



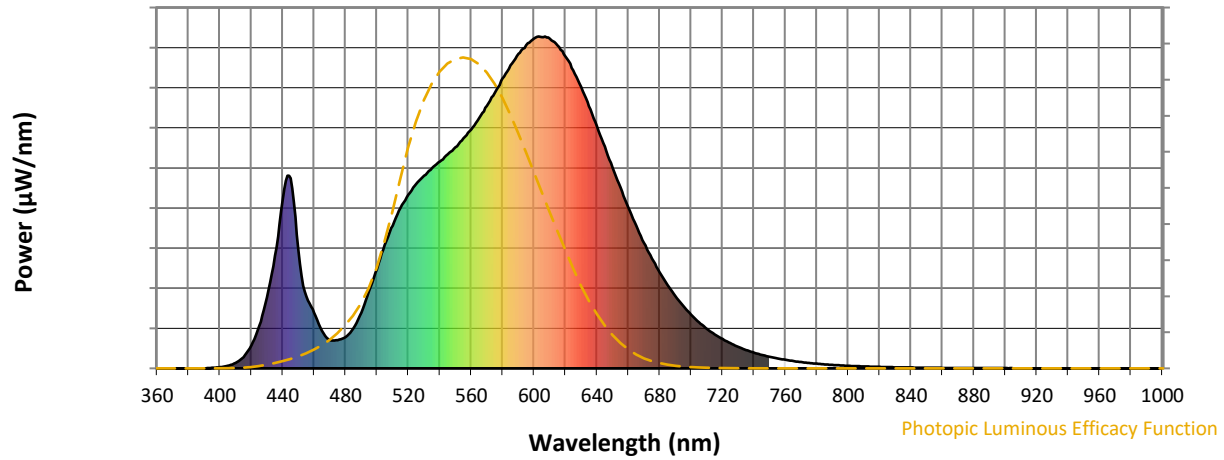
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

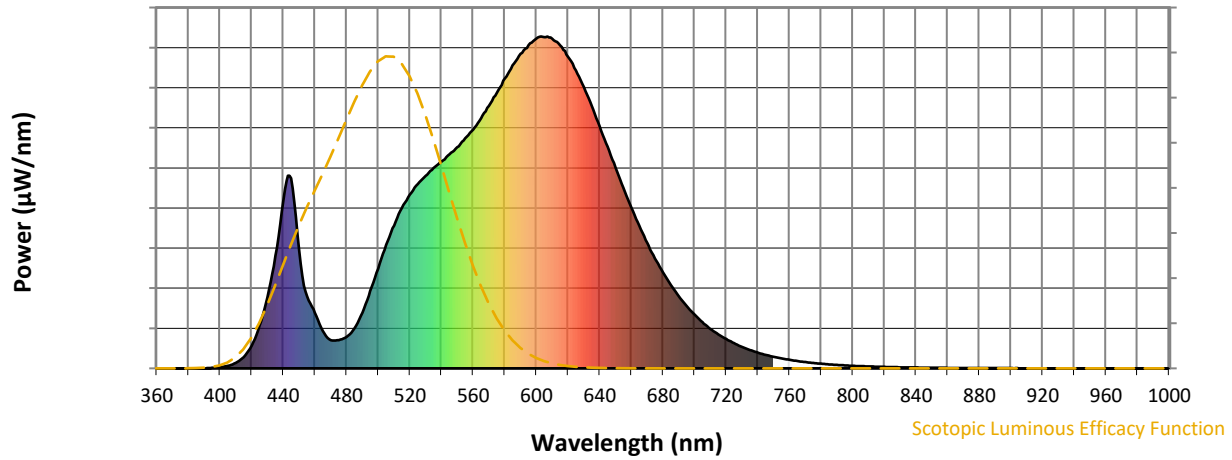


Photopic Lumens: NR

λ (nm)	Power W [^] /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

Scotopic Flux vs. Wavelength



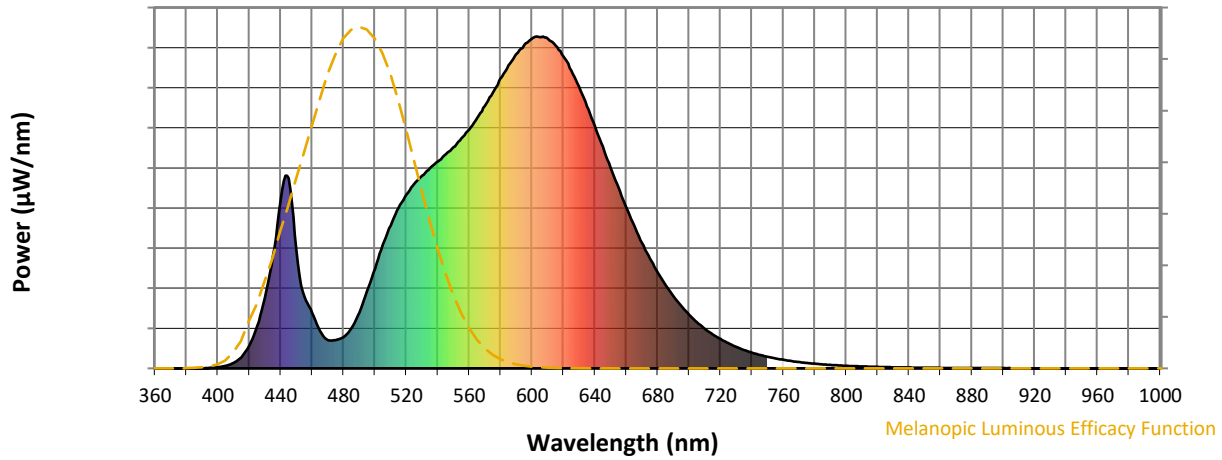
Scotopic Lumens: NR

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



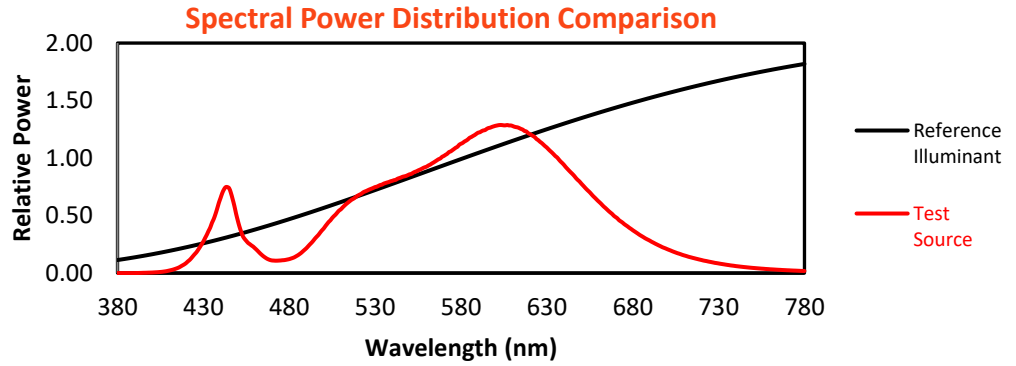
Melanopic Lumens: NR

M/P: 2.32

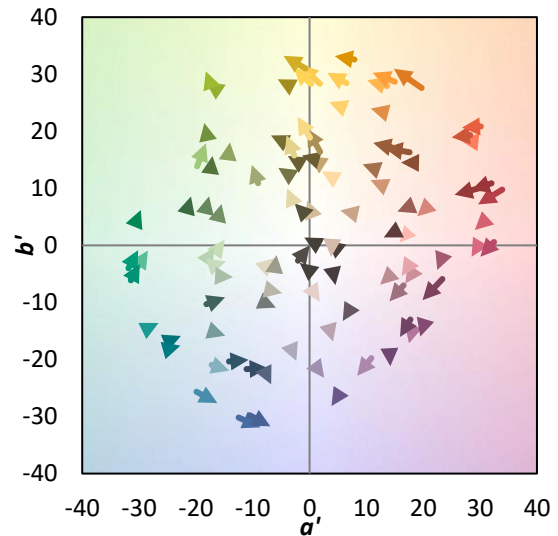
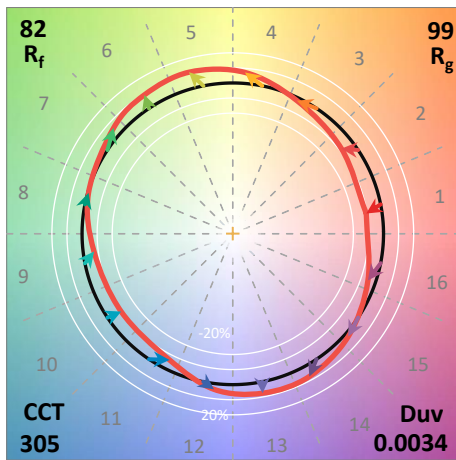
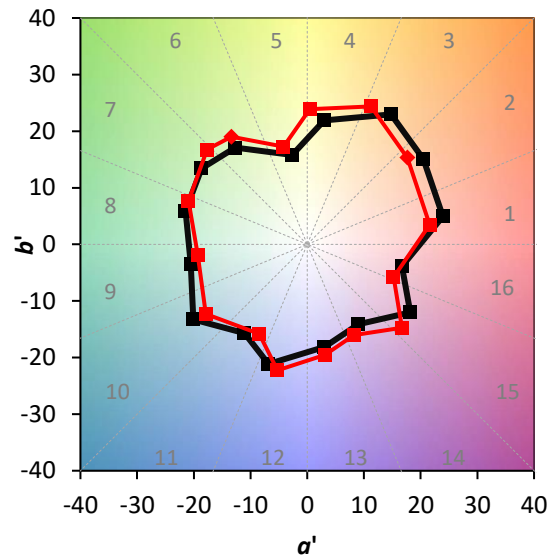
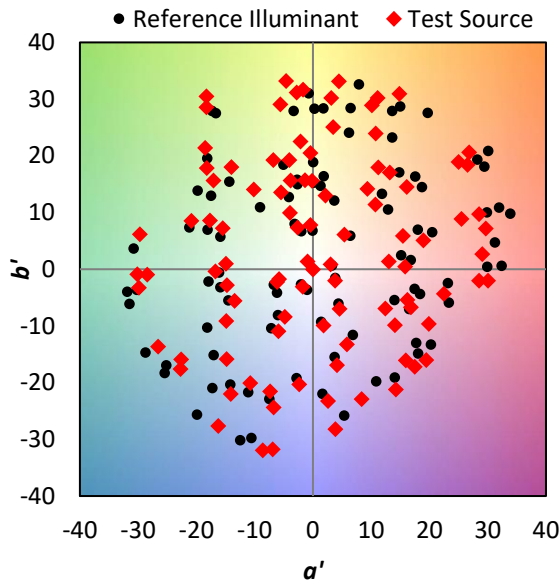
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	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			

Summary

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

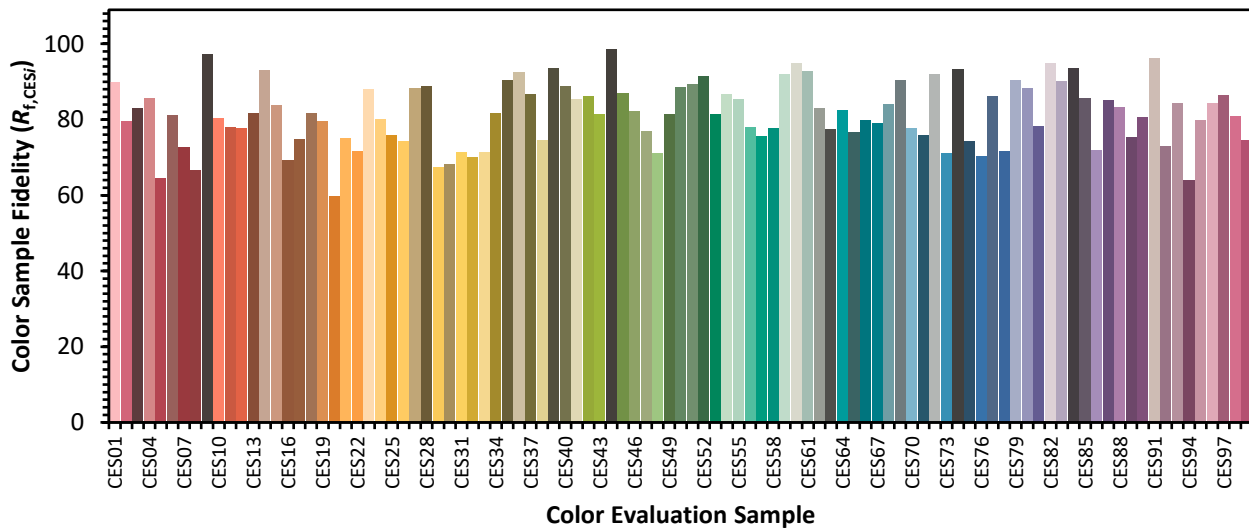


Color Vector Graphics

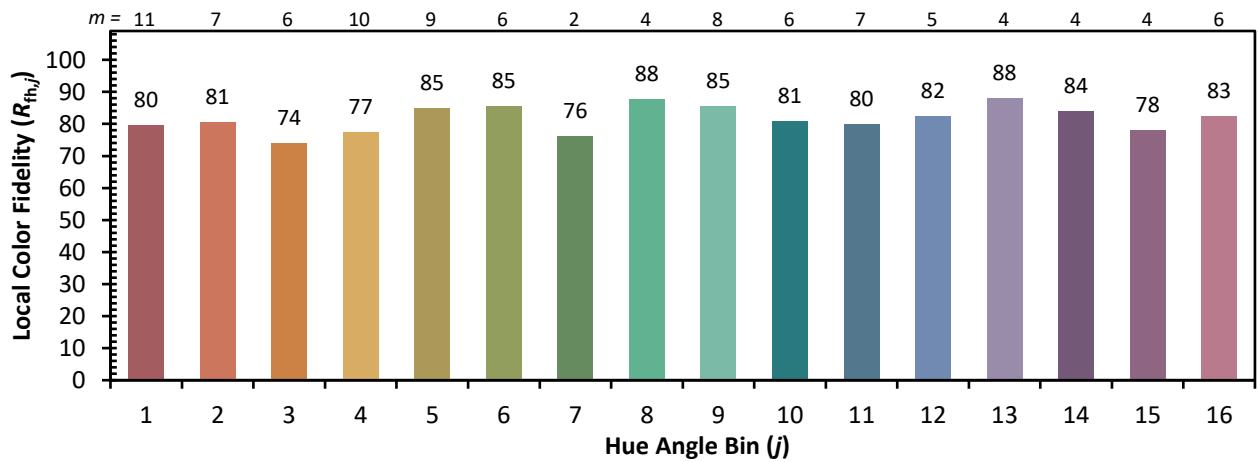
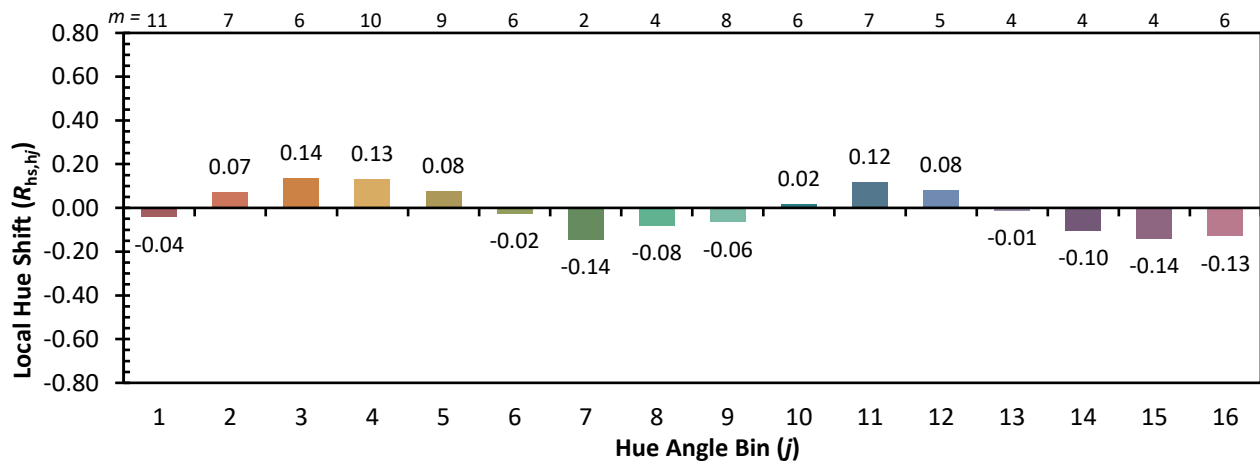
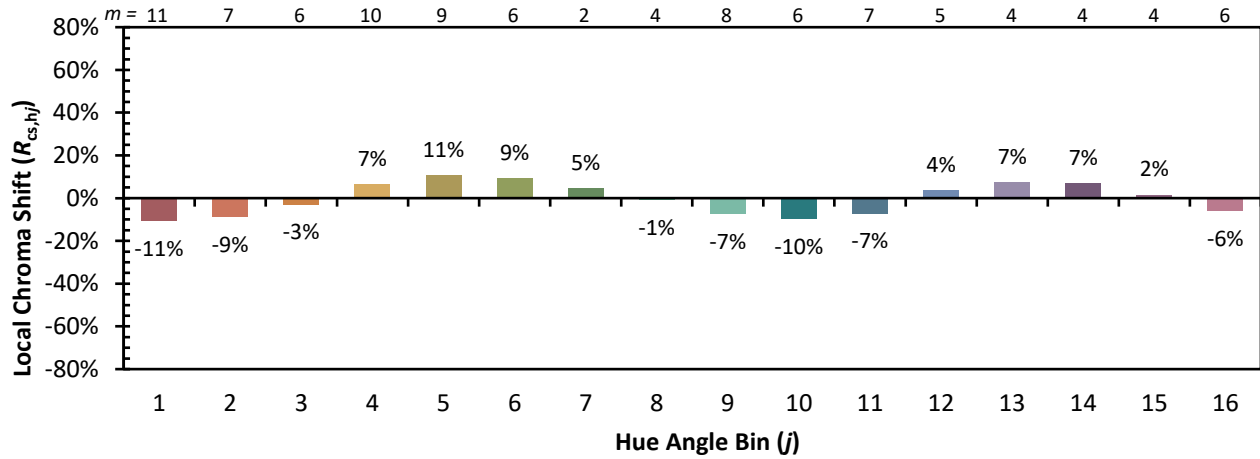


Individual Sample Fidelity Index ($R_{f,i}$)

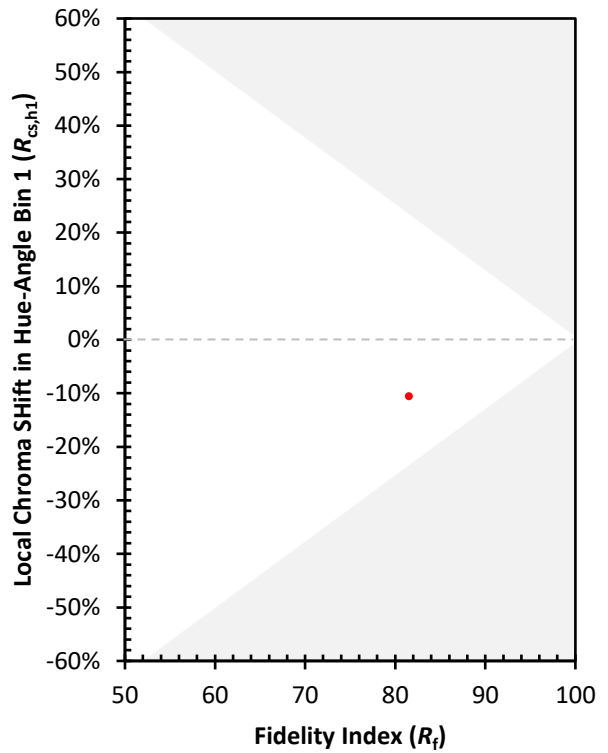
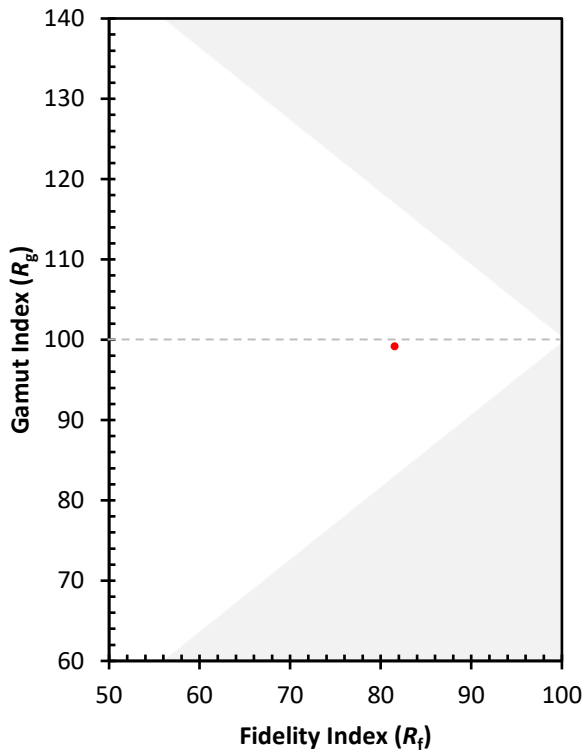
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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