

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: P386729

Luminaire Tested: **GPC-SA2B-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386729
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-SA2B-830-U-SLR
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8329 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

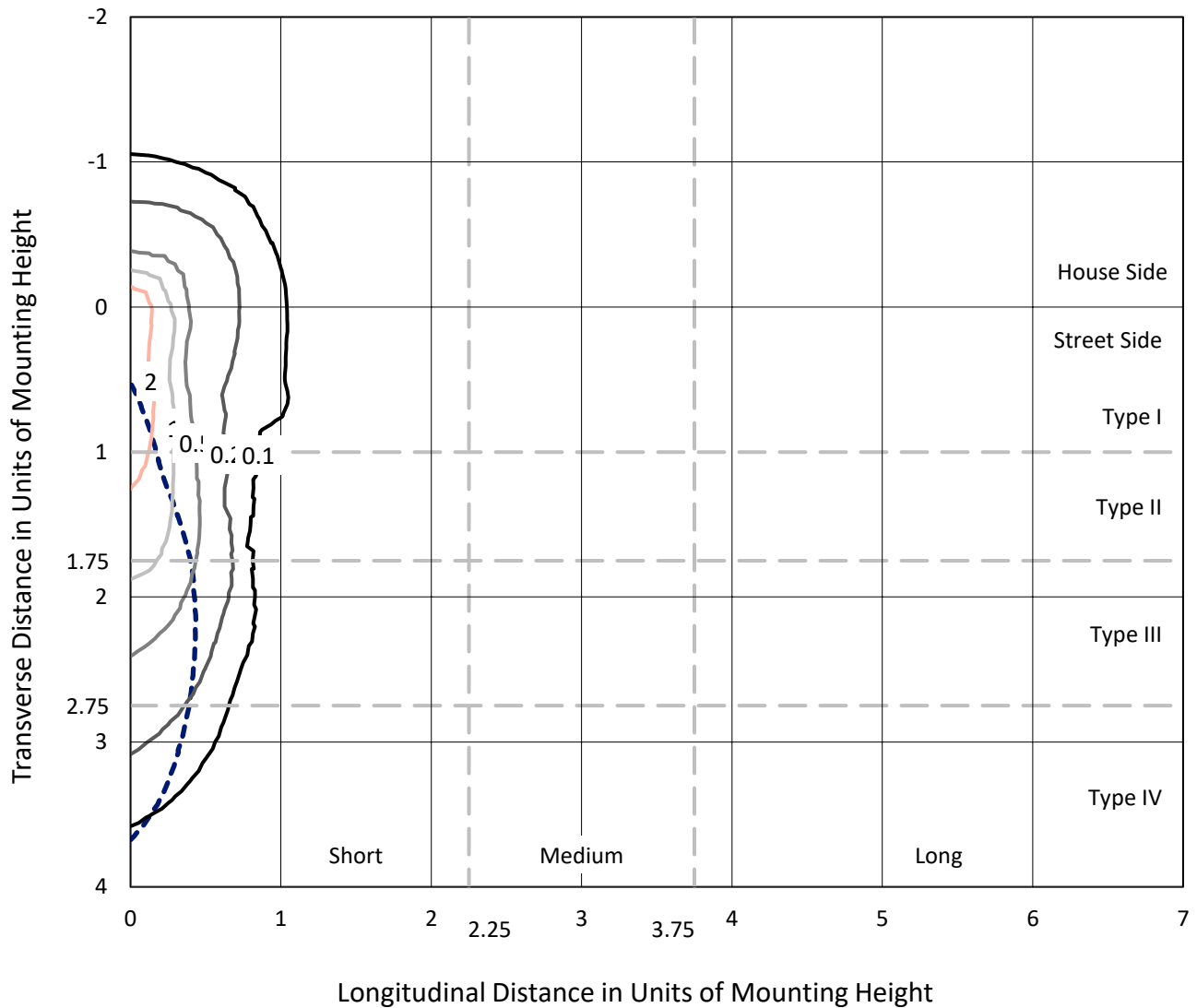
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

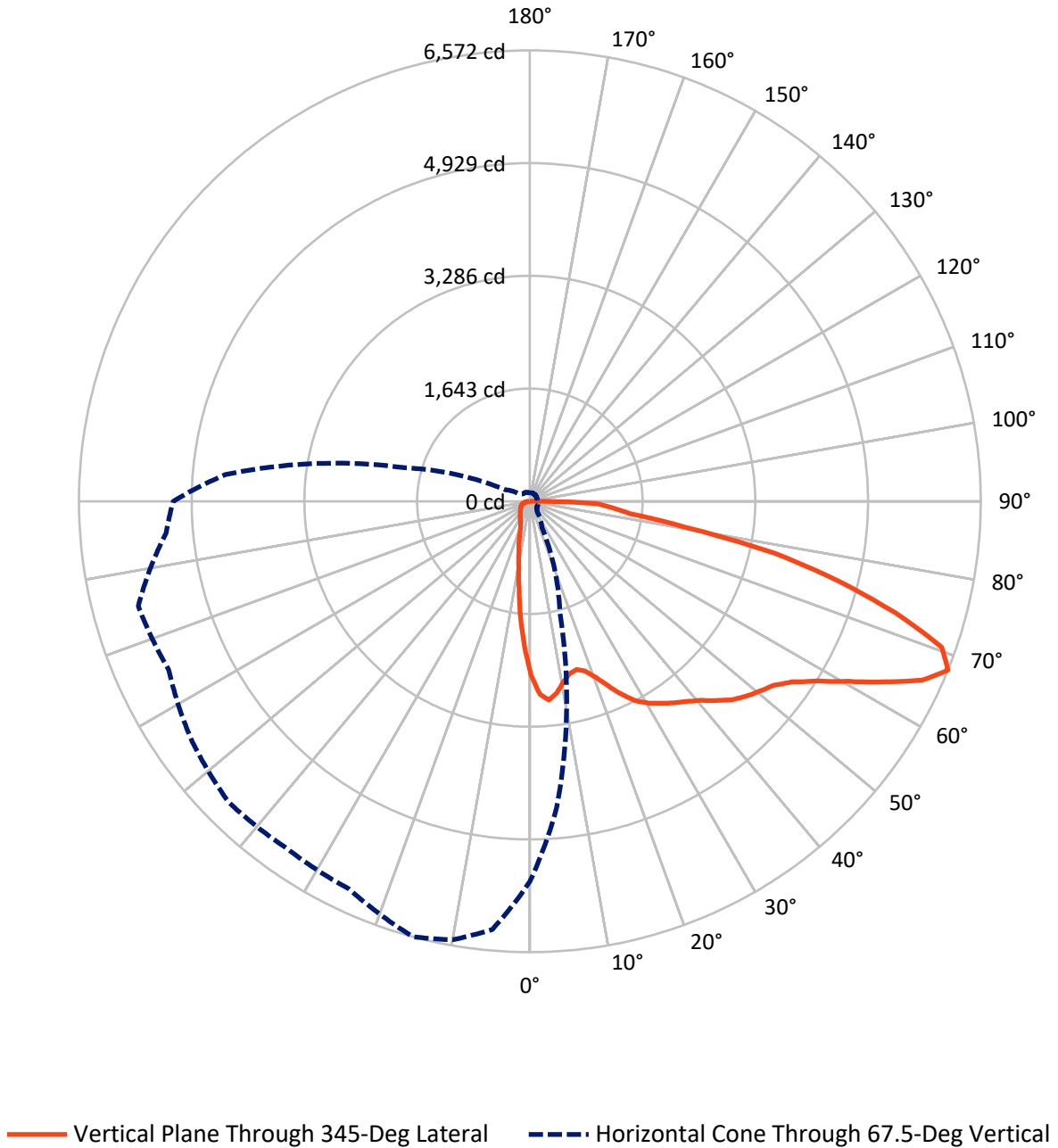
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P386729
CATALOG NUMBER: GPC-SA2B-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P386729

CATALOG NUMBER: GPC-SA2B-830-U-SLR

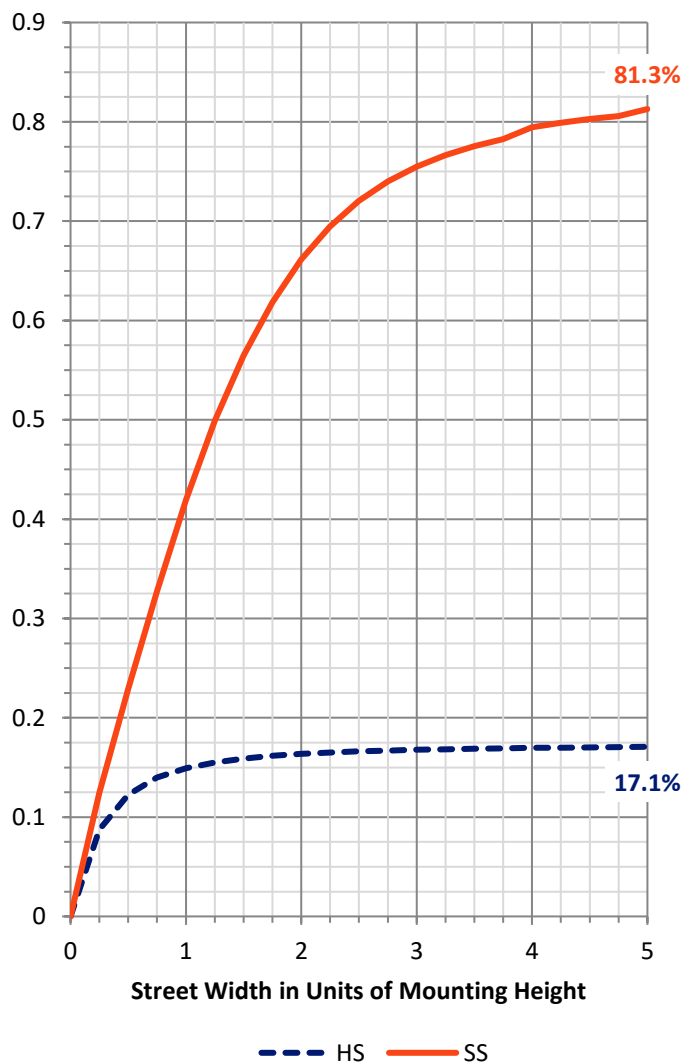
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.9	0.0	1439.9
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	6889.1	0.0	6889.1
	% Fixture	82.7	0.0	82.7
Total	Lumens	8329.0	0.0	8329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.8	2.4
10°-20°	406.8	4.9
20°-30°	578.6	6.9
30°-40°	833.8	10.0
40°-50°	1175.0	14.1
50°-60°	1633.5	19.6
60°-70°	1975.3	23.7
70°-80°	1214.2	14.6
80°-90°	315.9	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°	8329.0	100.0
0°-180°	8329.0	100.0

Coefficient of Utilization



REPORT NUMBER: P386729

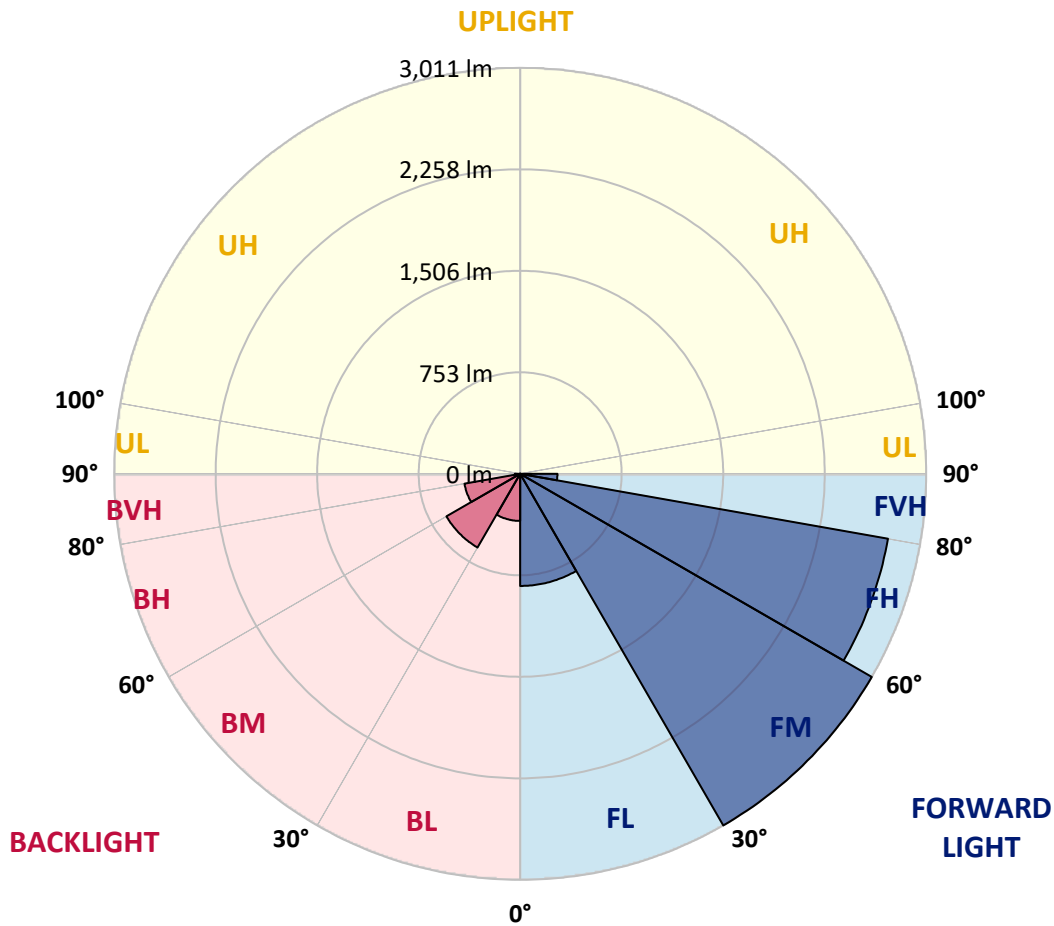
CATALOG NUMBER: GPC-SA2B-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.7	10.0			
FM (30°-60°)	3011.1	36.2			
FH (60°-80°)	2769.9	33.3			G2/5000
FVH (80°-90°)	276.3	3.3			G3/500
BL (0°-30°)	349.6	4.2	B1/500		
BM (30°-60°)	631.1	7.6	B1/1000		
BH (60°-80°)	419.6	5.0	B1/500		G1/500
BVH (80°-90°)	39.6	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-G3

Type IV Medium





REPORT NUMBER: P386729

CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2718.3	2694.3	2658.0	2621.7	2594.8	2567.5	2536.5	2505.5	2470.2	2434.6	2413.6
5°	2673.4	2606.8	2520.2	2433.6	2376.3	2319.0	2254.1	2189.2	2124.9	2060.6	2026.0
7.5°	2470.9	2371.0	2258.4	2145.9	2062.6	1979.0	1889.1	1798.9	1719.0	1638.7	1589.1
10°	2271.8	2151.9	2022.7	1893.1	1786.6	1680.0	1589.8	1499.2	1438.9	1378.6	1333.0
12.5°	2128.9	1996.0	1853.8	1711.3	1604.7	1498.2	1440.9	1383.6	1333.7	1283.7	1231.1
15°	2072.3	1922.1	1776.6	1630.7	1533.8	1436.9	1373.3	1309.4	1242.4	1175.2	1110.6
17.5°	2122.2	1946.4	1788.2	1630.1	1503.2	1376.3	1287.4	1198.1	1109.9	1021.7	946.7
20°	2278.1	2053.6	1846.8	1639.7	1470.9	1302.0	1182.8	1063.3	950.1	836.8	751.9
22.5°	2496.9	2199.8	1929.8	1659.7	1441.6	1223.1	1073.6	923.8	789.9	656.0	572.8
25°	2762.6	2393.6	2049.3	1704.6	1429.6	1154.2	970.4	786.6	645.4	503.8	444.6
27.5°	3042.7	2624.7	2197.8	1770.6	1431.6	1092.6	883.5	674.0	546.8	419.6	379.0
30°	3276.1	2888.8	2371.0	1852.8	1439.2	1025.7	801.5	577.4	472.5	367.6	341.3
32.5°	3489.5	3073.0	2501.5	1929.8	1447.9	965.7	738.3	510.5	424.9	339.0	317.4
35°	3710.0	3236.5	2592.8	1948.7	1432.9	916.8	695.0	473.2	394.3	315.0	296.7
37.5°	3952.8	3413.3	2680.7	1947.7	1407.6	867.5	661.3	454.9	374.3	293.4	280.1
40°	4223.5	3608.8	2775.9	1943.1	1384.6	825.8	636.4	446.6	363.3	279.7	268.4
42.5°	4488.2	3795.2	2864.5	1933.8	1366.0	797.9	611.7	425.6	353.3	280.7	264.7
45°	4687.0	3958.1	2941.4	1924.4	1352.0	779.6	592.4	405.3	344.0	282.7	262.4
47.5°	4837.9	4121.6	3026.7	1931.4	1350.7	769.9	578.8	387.6	326.3	264.7	256.4
50°	5029.7	4318.1	3150.9	1983.7	1369.0	754.3	562.8	371.0	309.4	247.8	259.1
52.5°	5268.5	4598.4	3343.4	2087.9	1407.3	726.6	537.5	348.3	288.7	228.8	246.4
55°	5619.1	4957.8	3589.4	2220.8	1453.6	686.0	499.2	312.0	261.4	210.5	226.1
57.5°	5933.8	5320.7	3825.5	2330.0	1482.5	634.7	450.9	267.1	230.8	194.5	203.5
60°	6074.0	5507.9	3936.1	2364.0	1465.2	566.4	396.6	226.4	203.8	181.2	179.5
62.5°	6019.4	5389.0	3827.2	2265.4	1380.6	495.8	348.7	201.5	184.5	167.2	163.5
65°	5859.5	5015.4	3522.2	2029.0	1237.8	446.6	318.4	190.1	171.2	152.2	148.2
67.5°	5544.5	4483.6	3089.9	1696.3	1056.3	416.3	301.0	185.8	162.8	139.5	134.9
70°	4979.1	3843.5	2592.1	1340.3	869.1	397.6	289.7	181.8	153.8	125.5	121.2
72.5°	4089.6	3081.6	2070.0	1058.0	726.6	395.3	288.4	181.5	146.5	111.6	107.6
75°	2928.1	2340.7	1580.1	819.2	595.1	371.0	273.7	176.5	136.5	96.2	92.6
77.5°	1970.4	1620.1	1098.2	576.1	441.6	307.0	230.1	153.2	116.9	80.6	76.9
80°	1265.4	1121.2	735.9	350.7	286.4	222.1	164.5	106.9	85.2	63.3	60.3
82.5°	928.4	834.5	511.5	188.5	159.2	129.5	100.6	71.6	58.3	45.0	43.6
85°	590.1	650.7	376.6	102.6	83.9	65.3	53.9	42.6	33.6	24.6	24.6
87.5°	114.6	158.5	104.2	49.6	36.3	23.0	19.6	16.0	9.0	1.7	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2392.3	2369.3	2346.3	2320.4	2294.1	2269.8	2245.1	2218.1	2223.1	2202.5	2181.8
5°	1991.4	1954.7	1917.8	1885.8	1853.8	1826.2	1798.2	1773.2	1794.9	1780.2	1765.6
7.5°	1539.1	1493.9	1448.2	1409.9	1371.6	1342.0	1312.0	1291.4	1312.7	1310.0	1307.4
10°	1287.4	1243.4	1199.1	1156.9	1114.6	1078.6	1042.3	1011.7	1006.3	991.0	975.4
12.5°	1178.2	1117.9	1057.3	1013.0	968.7	925.8	882.8	846.8	830.5	805.2	779.6
15°	1046.0	974.7	903.4	853.2	802.5	760.9	719.0	688.0	677.7	658.0	638.4
17.5°	871.8	793.9	716.0	665.0	613.7	580.4	546.8	526.1	526.1	520.5	514.8
20°	667.0	597.4	527.8	488.8	449.9	432.2	414.3	405.6	408.3	408.6	408.6
22.5°	489.2	446.6	403.9	388.3	372.3	366.0	359.6	356.0	357.3	357.6	358.0
25°	385.3	369.0	352.3	344.3	336.0	332.0	328.0	326.7	329.7	330.0	330.0
27.5°	338.3	328.3	318.0	313.0	307.7	306.0	304.4	302.0	305.0	305.0	304.7
30°	314.7	304.0	293.4	287.0	280.7	281.4	281.7	281.1	283.1	284.4	285.4
32.5°	295.4	285.1	274.7	268.4	261.7	260.7	259.7	259.1	263.4	265.7	268.1
35°	278.1	266.7	255.4	249.4	243.4	241.1	238.8	237.1	241.1	244.1	247.1
37.5°	266.4	254.7	242.8	237.1	231.1	228.1	225.1	223.1	224.8	226.1	227.4
40°	257.1	245.1	232.8	226.1	219.4	216.5	213.5	211.8	212.8	213.1	213.5
42.5°	248.4	236.8	225.1	217.8	210.1	206.5	202.8	200.8	201.5	202.1	202.5
45°	242.1	230.4	218.5	209.8	200.8	196.8	192.8	190.5	190.8	190.8	190.8
47.5°	248.1	231.1	213.8	203.8	193.5	188.8	184.2	181.8	181.2	180.5	179.8
50°	270.1	241.1	211.8	199.1	186.1	181.2	175.8	173.2	171.5	170.8	170.2
52.5°	263.7	238.8	213.5	197.1	180.5	174.5	168.5	164.2	162.5	161.5	160.5
55°	241.4	225.8	209.8	190.1	170.5	165.2	159.5	156.5	153.5	152.8	152.2
57.5°	212.1	205.8	199.5	179.5	159.5	154.5	149.2	147.2	144.5	144.5	144.2
60°	177.5	186.8	196.1	173.2	149.9	144.2	138.5	136.9	135.9	135.5	135.2
62.5°	159.5	174.8	189.8	165.5	140.9	134.9	128.9	126.9	126.5	126.9	126.9
65°	144.2	148.9	153.5	142.2	130.9	124.9	118.5	116.6	117.2	118.2	119.2
67.5°	130.2	129.2	128.2	124.2	119.9	114.9	109.6	107.6	107.9	109.2	110.6
70°	116.9	115.6	113.9	110.9	107.9	103.6	99.2	97.9	97.6	99.2	100.6
72.5°	103.6	101.9	99.9	97.6	94.9	91.2	87.6	86.6	86.9	87.9	88.9
75°	88.9	87.6	85.9	83.9	81.6	78.3	74.9	74.3	74.9	75.9	76.9
77.5°	72.9	72.6	71.9	70.3	68.6	64.9	60.9	60.6	61.6	62.6	63.3
80°	56.9	57.3	57.6	56.3	54.9	50.9	46.6	46.3	47.3	48.3	49.3
82.5°	42.0	43.0	43.6	42.0	40.3	35.6	31.0	30.3	33.6	34.6	35.6
85°	24.3	25.6	27.0	25.6	24.3	19.6	15.0	14.7	17.6	19.3	21.0
87.5°	2.0	2.7	3.3	3.0	2.7	1.3	0.0	0.0	0.3	1.7	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2168.9	2155.9	2151.9	2147.9	2133.2	2118.2	2133.6	2148.5	2154.9	2161.2	2144.9
5°	1763.6	1761.3	1761.3	1760.9	1747.6	1733.9	1744.3	1754.3	1732.0	1709.6	1707.3
7.5°	1321.7	1336.0	1347.7	1359.0	1354.7	1350.3	1360.0	1369.6	1341.3	1312.7	1298.7
10°	978.7	981.7	994.3	1007.0	1010.0	1012.7	1024.7	1036.3	1014.3	992.4	982.7
12.5°	763.6	747.6	749.3	750.6	756.6	762.2	774.9	787.2	778.2	768.9	769.9
15°	618.4	598.1	589.7	581.1	587.8	594.4	603.4	612.1	612.4	612.4	621.1
17.5°	504.8	494.5	486.2	477.5	486.5	495.2	496.2	497.2	497.5	497.8	497.2
20°	413.6	418.6	415.9	413.3	416.6	419.6	422.2	424.6	421.6	418.3	409.9
22.5°	362.6	367.0	370.3	373.3	379.0	384.3	381.6	378.6	372.6	366.3	360.0
25°	333.0	336.0	339.3	342.7	347.3	351.7	347.0	342.3	338.0	333.7	329.3
27.5°	308.0	311.0	314.0	316.7	321.0	325.0	320.7	316.4	312.7	309.0	305.7
30°	287.7	289.7	292.0	294.4	298.4	302.0	298.4	294.4	291.7	288.7	286.4
32.5°	270.4	272.4	273.4	274.4	278.1	281.7	279.1	276.4	274.1	271.7	270.1
35°	251.4	255.4	256.1	256.7	260.4	264.1	262.4	260.4	257.7	255.1	252.1
37.5°	232.1	236.8	239.4	241.8	245.4	249.1	247.4	245.8	242.1	238.4	233.1
40°	215.8	217.8	222.8	227.4	233.4	239.1	235.8	232.1	226.4	220.8	218.1
42.5°	202.1	201.8	206.5	211.1	220.1	228.8	222.8	216.8	211.5	206.1	205.5
45°	190.1	189.1	191.5	193.8	203.5	212.8	206.8	200.5	197.5	194.5	194.5
47.5°	179.5	178.8	180.5	181.8	187.8	193.5	190.5	187.5	185.8	184.2	184.5
50°	169.8	169.2	170.8	172.2	174.5	176.5	177.2	177.5	176.5	175.5	176.2
52.5°	160.8	160.8	161.5	161.8	164.8	167.8	167.8	167.5	167.5	167.5	168.2
55°	153.2	153.8	153.8	153.8	158.5	162.8	161.5	160.2	160.5	160.5	161.2
57.5°	145.5	146.5	147.2	147.9	152.5	157.2	155.8	154.5	154.5	154.5	154.8
60°	136.9	138.2	139.5	140.9	145.5	150.2	148.9	147.2	147.5	147.9	148.2
62.5°	128.5	129.9	131.2	132.5	137.2	141.9	140.5	138.9	139.9	140.5	140.5
65°	120.5	121.5	122.9	124.2	128.5	132.9	131.5	130.2	131.5	132.5	133.2
67.5°	111.6	112.2	113.6	114.9	119.2	123.5	122.2	120.5	122.2	123.5	124.9
70°	101.2	101.9	103.6	104.9	109.2	113.6	111.9	110.2	111.9	113.6	114.9
72.5°	89.9	90.6	92.2	93.6	98.6	103.6	101.6	99.6	101.6	103.6	104.2
75°	77.6	78.3	80.3	81.9	86.9	91.9	90.2	88.2	89.9	91.6	91.9
77.5°	64.3	65.3	67.9	70.6	74.6	78.6	77.6	76.6	77.6	78.6	78.6
80°	50.3	51.3	54.6	57.6	59.9	62.3	62.6	62.9	63.3	63.6	63.3
82.5°	37.3	38.6	41.6	44.6	44.6	44.6	47.3	49.6	49.6	49.3	49.0
85°	23.0	24.6	27.3	30.0	28.3	26.6	31.0	35.0	35.0	34.6	34.0
87.5°	4.7	6.3	9.0	11.3	9.7	8.0	12.3	16.7	17.0	17.0	16.3
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



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386729

CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2128.2	2154.2	2179.8	2186.5	2196.5	2200.8	2204.8	2237.5	2269.8	2307.7	2345.7
5°	1704.6	1724.0	1743.3	1746.3	1756.6	1761.9	1767.3	1806.9	1846.2	1899.1	1952.1
7.5°	1284.7	1289.4	1294.1	1293.4	1302.0	1313.7	1325.0	1367.3	1409.3	1466.2	1522.8
10°	973.0	983.7	994.0	1003.7	1022.7	1044.6	1066.3	1109.6	1152.9	1209.1	1265.1
12.5°	770.9	783.2	795.2	805.9	827.8	857.2	886.1	938.1	990.0	1057.3	1124.2
15°	629.4	628.4	627.4	634.7	654.0	686.0	717.6	772.6	827.5	901.4	975.0
17.5°	496.5	491.5	486.5	492.2	510.2	536.5	562.4	609.1	655.4	726.9	798.5
20°	401.6	398.3	394.9	400.3	411.6	422.6	433.6	467.2	500.5	558.8	616.7
22.5°	353.3	353.0	352.3	355.3	360.6	366.3	371.6	387.9	403.9	441.6	478.9
25°	325.0	324.7	324.3	325.7	330.0	334.3	338.7	349.3	360.0	378.0	395.9
27.5°	302.4	301.7	301.0	301.4	302.4	309.0	315.4	320.3	325.0	337.3	349.3
30°	284.1	283.7	283.4	283.4	282.4	284.7	287.0	294.7	302.0	314.7	327.3
32.5°	268.4	266.7	265.1	261.4	259.1	262.4	265.7	273.7	281.7	293.4	305.0
35°	248.8	244.4	239.8	237.8	238.1	241.4	244.8	252.7	260.4	273.1	285.4
37.5°	227.4	226.1	224.4	224.1	225.1	228.4	231.8	238.8	245.4	258.1	270.4
40°	215.5	214.8	214.1	213.5	214.1	217.5	220.8	227.4	233.8	246.1	258.1
42.5°	204.8	204.5	204.1	204.1	204.5	208.1	211.8	218.5	224.8	235.8	246.8
45°	194.5	194.8	194.8	195.5	196.5	200.1	203.5	210.8	218.1	228.8	239.4
47.5°	184.8	185.8	186.5	188.1	189.1	193.1	196.8	204.8	212.8	226.1	239.1
50°	176.5	177.5	178.2	179.5	182.2	186.8	191.5	201.1	210.5	232.8	254.7
52.5°	168.8	169.8	170.8	172.2	175.5	180.8	186.1	198.1	209.8	235.8	261.7
55°	161.8	162.8	163.5	165.5	168.8	173.5	177.8	192.5	207.1	226.1	245.1
57.5°	155.2	156.2	156.8	158.2	159.8	164.8	169.5	185.2	200.8	214.1	227.1
60°	148.2	148.9	149.2	149.2	150.5	156.2	161.8	181.8	201.5	199.1	196.5
62.5°	140.5	141.2	141.5	140.5	142.2	148.2	154.2	180.2	206.1	190.1	174.2
65°	133.5	133.2	132.9	131.9	133.9	139.9	145.5	158.5	171.5	165.2	158.8
67.5°	125.9	124.9	123.9	122.5	124.5	129.9	134.9	139.2	143.5	144.2	144.9
70°	116.2	114.9	113.6	113.2	114.2	118.5	122.9	125.9	128.5	129.9	130.9
72.5°	104.9	103.9	102.9	102.2	102.6	106.2	109.6	112.2	114.9	115.9	116.6
75°	92.2	92.2	91.9	89.9	89.9	92.9	95.6	97.9	100.2	101.6	102.9
77.5°	78.6	78.9	78.9	76.3	75.9	78.9	81.6	83.6	85.2	86.6	87.6
80°	62.9	62.3	61.6	59.9	59.3	62.9	66.3	67.9	69.3	69.6	69.6
82.5°	48.3	47.0	45.3	41.6	42.0	46.0	49.6	50.9	52.3	52.3	52.3
85°	33.0	30.3	27.3	24.3	24.6	29.0	33.0	34.3	35.6	36.3	36.6
87.5°	15.7	13.0	10.0	7.7	7.7	11.3	14.7	15.3	16.0	17.3	18.6
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: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386729
 CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2374.6	2403.3	2432.9	2462.6	2496.5	2530.5	2570.1	2609.4	2643.0	2676.7	2704.7
5°	1997.7	2043.3	2096.9	2150.5	2218.8	2287.1	2370.7	2453.9	2528.2	2602.4	2688.7
7.5°	1582.4	1641.7	1711.6	1781.6	1869.8	1958.1	2066.3	2174.5	2279.4	2384.0	2516.5
10°	1327.4	1389.6	1458.6	1527.2	1617.1	1706.6	1821.2	1935.4	2053.3	2170.9	2320.7
12.5°	1193.5	1262.4	1323.0	1383.6	1456.6	1529.2	1640.0	1750.9	1889.5	2027.7	2171.8
15°	1050.6	1125.9	1198.5	1271.1	1350.7	1429.9	1537.8	1645.7	1797.2	1948.7	2114.6
17.5°	877.8	957.1	1045.6	1133.9	1237.8	1341.3	1479.5	1617.7	1797.2	1976.4	2171.8
20°	697.6	778.6	884.5	990.4	1119.6	1248.4	1427.6	1606.7	1848.5	2089.9	2339.4
22.5°	550.5	621.7	737.3	852.5	1001.7	1150.9	1380.6	1610.1	1926.1	2241.8	2578.4
25°	446.2	496.5	610.1	723.3	895.4	1067.6	1352.0	1636.0	2039.0	2441.6	2859.2
27.5°	382.3	415.3	521.2	626.7	814.9	1002.7	1340.3	1677.7	2182.2	2686.7	3164.5
30°	350.3	373.3	462.9	552.1	743.3	934.4	1326.4	1718.3	2320.0	2921.4	3403.3
32.5°	323.7	342.0	418.6	494.8	681.3	867.8	1299.4	1730.6	2416.3	3101.9	3605.4
35°	301.0	316.4	383.0	449.6	632.7	815.9	1254.1	1692.3	2476.5	3260.8	3815.9
37.5°	282.7	294.7	356.3	417.9	590.7	763.6	1202.5	1641.4	2530.2	3418.9	4052.7
40°	268.4	278.7	336.3	393.9	550.8	707.6	1158.2	1608.4	2604.1	3599.8	4302.7
42.5°	260.4	273.7	319.0	364.0	512.8	661.7	1122.6	1583.4	2672.7	3761.6	4521.5
45°	258.4	277.4	310.0	342.7	484.5	626.4	1090.9	1555.1	2717.0	3878.8	4686.4
47.5°	255.1	270.7	303.0	335.3	470.5	605.4	1073.9	1542.1	2761.3	3980.1	4823.2
50°	257.1	259.1	297.4	335.3	468.5	601.7	1093.3	1584.8	2857.2	4129.2	4979.7
52.5°	253.4	244.8	286.7	328.7	468.2	607.7	1148.9	1690.0	3035.3	4380.3	5149.2
55°	234.1	222.8	266.7	310.7	461.2	611.4	1215.1	1818.5	3274.4	4730.0	5453.9
57.5°	217.1	206.8	244.1	281.1	439.9	598.7	1283.4	1967.7	3527.2	5086.3	5797.3
60°	194.5	192.1	218.8	245.4	406.9	568.1	1339.7	2110.9	3697.0	5282.8	5929.5
62.5°	175.8	177.2	196.8	216.5	365.6	514.5	1358.3	2201.8	3692.3	5182.9	5796.3
65°	161.5	163.8	183.2	202.5	330.3	458.2	1297.0	2135.6	3505.5	4875.2	5532.9
67.5°	147.5	150.2	173.2	195.8	299.0	401.9	1143.9	1885.5	3169.5	4453.3	5197.9
70°	134.2	137.5	162.5	187.5	276.4	365.0	946.4	1527.8	2748.9	3969.7	4809.9
72.5°	119.9	123.2	149.9	176.5	262.1	347.3	771.6	1195.5	2230.8	3265.8	4114.3
75°	105.2	107.6	136.5	165.2	242.4	319.7	605.4	890.8	1707.3	2523.8	3107.6
77.5°	90.6	93.6	117.9	141.9	205.8	269.4	456.2	643.0	1252.8	1862.2	2161.2
80°	72.3	74.9	92.2	109.2	158.8	208.1	313.7	419.3	862.1	1305.0	1473.5
82.5°	55.3	58.3	69.9	81.3	113.2	145.2	190.1	235.1	572.8	910.1	924.1
85°	38.0	39.0	47.3	55.3	69.9	84.6	108.9	133.2	379.0	624.7	520.5
87.5°	19.0	19.0	24.6	30.3	37.6	45.0	57.6	69.9	121.2	172.5	99.2
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: P386729
 CATALOG NUMBER: GPC-SA2B-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: P386729

CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2740.3	2764.6	2789.2	2807.9	2826.9	2854.2	2881.5	2886.5	2891.8	2881.1	2870.5
5°	2775.6	2849.2	2923.1	2991.4	3059.6	3100.6	3141.6	3149.9	3158.2	3132.6	3106.6
7.5°	2644.7	2772.9	2901.1	3018.7	3136.2	3207.5	3279.1	3295.1	3311.4	3269.4	3227.5
10°	2469.9	2627.4	2784.9	2939.8	3094.6	3198.2	3301.7	3322.4	3343.0	3290.7	3238.5
12.5°	2334.7	2502.9	2671.0	2834.2	2997.7	3104.9	3212.2	3237.8	3263.4	3225.5	3187.2
15°	2293.1	2451.2	2609.4	2751.6	2894.1	2981.7	3069.6	3080.0	3090.6	3084.6	3078.6
17.5°	2368.7	2511.5	2654.7	2732.0	2809.6	2844.5	2879.8	2891.1	2902.8	2917.8	2933.1
20°	2551.8	2652.4	2753.3	2749.9	2746.3	2729.3	2712.0	2709.0	2706.0	2748.9	2792.2
22.5°	2825.2	2865.2	2905.5	2811.9	2718.3	2661.4	2604.1	2592.8	2581.1	2626.7	2672.7
25°	3121.9	3114.6	3106.9	2928.8	2750.3	2641.7	2533.2	2520.5	2507.9	2546.8	2586.1
27.5°	3415.6	3367.7	3319.7	3077.6	2835.5	2678.0	2520.5	2507.9	2495.2	2529.8	2564.5
30°	3631.1	3554.1	3477.2	3203.2	2929.1	2742.0	2554.8	2534.2	2513.2	2555.8	2598.4
32.5°	3799.2	3696.0	3592.8	3305.1	3017.3	2814.9	2612.4	2580.1	2547.8	2604.8	2661.7
35°	3967.1	3821.9	3676.4	3396.0	3115.2	2901.1	2686.7	2647.0	2607.4	2685.7	2763.9
37.5°	4178.2	3969.7	3760.9	3498.2	3235.5	3030.3	2824.9	2784.2	2743.6	2843.2	2943.1
40°	4407.3	4129.2	3851.2	3610.1	3369.0	3209.2	3049.0	3010.4	2971.4	3092.6	3213.8
42.5°	4597.8	4277.8	3957.7	3745.0	3531.8	3419.3	3306.4	3306.1	3305.4	3428.3	3551.2
45°	4752.6	4401.6	4050.3	3876.5	3702.3	3643.7	3585.1	3632.1	3679.0	3789.9	3901.1
47.5°	4868.2	4505.5	4142.6	4027.0	3911.5	3920.1	3928.8	4024.3	4119.9	4191.2	4262.8
50°	4943.4	4599.8	4255.8	4220.2	4184.5	4262.1	4340.0	4449.6	4559.5	4608.1	4656.7
52.5°	5053.0	4727.7	4402.0	4441.9	4481.9	4640.4	4798.9	4909.8	5020.7	5038.7	5057.0
55°	5306.4	4962.8	4618.8	4695.4	4772.3	5004.7	5237.5	5324.1	5410.6	5417.3	5424.0
57.5°	5666.4	5292.1	4917.8	5000.4	5083.0	5351.4	5620.1	5713.3	5806.9	5793.9	5780.6
60°	5935.8	5604.8	5273.4	5356.7	5439.9	5701.7	5963.4	6070.7	6178.2	6149.6	6120.9
62.5°	5952.4	5775.6	5598.5	5673.7	5749.3	6005.7	6262.1	6372.4	6482.6	6432.6	6382.7
65°	5687.7	5767.0	5846.2	5871.2	5896.2	6135.3	6374.7	6458.9	6543.5	6518.2	6492.9
67.5°	5323.1	5615.1	5907.5	5857.2	5806.9	5919.1	6031.4	6118.3	6205.2	6190.9	6176.2
70°	4959.1	5349.0	5739.0	5491.9	5244.5	5198.2	5151.9	5245.5	5339.4	5281.4	5223.2
72.5°	4339.4	4755.0	5170.9	4715.7	4260.4	4102.3	3944.1	4063.0	4181.9	4089.6	3997.0
75°	3406.3	3865.5	4325.1	3781.9	3238.8	3027.7	2816.5	2918.8	3021.0	2957.7	2894.1
77.5°	2535.8	2988.4	3440.9	2888.8	2336.4	2179.5	2022.3	2052.6	2083.3	2072.6	2061.6
80°	1720.0	2035.3	2351.0	1983.4	1615.7	1627.7	1640.0	1625.7	1611.1	1632.4	1653.7
82.5°	1097.6	1341.0	1584.8	1389.6	1194.5	1306.4	1418.3	1363.3	1308.0	1328.4	1349.0
85°	626.4	864.5	1102.9	1028.0	952.7	1018.0	1083.6	998.3	913.1	950.4	988.0
87.5°	165.2	478.2	791.5	718.6	645.7	561.1	476.5	363.6	250.8	366.3	481.9
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: P386729
 CATALOG NUMBER: GPC-SA2B-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: P386729

CATALOG NUMBER: GPC-SA2B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5	2537.5
2.5°	2864.8	2859.2	2838.9	2818.2	2787.6	2762.3	2718.3
5°	3070.6	3034.7	2972.7	2910.5	2841.2	2761.6	2673.4
7.5°	3143.6	3059.3	2940.4	2821.2	2714.0	2588.1	2470.9
10°	3112.6	2986.4	2831.9	2677.0	2546.8	2402.0	2271.8
12.5°	3053.3	2919.1	2748.9	2578.4	2430.3	2274.7	2128.9
15°	2971.7	2864.5	2705.0	2545.5	2396.3	2245.1	2072.3
17.5°	2882.5	2831.5	2716.3	2600.8	2471.6	2325.0	2122.2
20°	2810.6	2829.2	2783.2	2737.3	2633.7	2505.9	2278.1
22.5°	2761.9	2851.5	2886.8	2922.4	2860.2	2760.3	2496.9
25°	2734.6	2883.1	3001.4	3119.9	3092.3	3015.3	2762.6
27.5°	2746.6	2928.8	3112.3	3296.1	3321.7	3300.4	3042.7
30°	2782.6	2967.1	3190.5	3414.3	3516.5	3545.2	3276.1
32.5°	2842.5	3023.3	3266.8	3510.5	3665.0	3756.3	3489.5
35°	2933.1	3102.3	3356.0	3609.8	3809.6	3976.1	3710.0
37.5°	3088.6	3234.1	3468.2	3702.7	3961.7	4211.8	3952.8
40°	3316.4	3419.3	3617.1	3815.2	4141.2	4478.9	4223.5
42.5°	3603.8	3656.7	3813.6	3970.4	4328.7	4721.3	4488.2
45°	3915.1	3929.1	4027.7	4126.6	4477.2	4886.5	4687.0
47.5°	4214.8	4166.9	4206.2	4245.5	4591.1	5004.4	4837.9
50°	4523.2	4389.7	4369.0	4348.4	4705.0	5143.2	5029.7
52.5°	4836.9	4616.8	4535.2	4453.3	4840.9	5327.4	5268.5
55°	5143.9	4863.9	4754.0	4644.1	5048.7	5552.2	5619.1
57.5°	5463.3	5145.9	5044.0	4942.1	5354.0	5836.9	5933.8
60°	5806.9	5492.6	5411.0	5329.1	5733.7	6144.6	6074.0
62.5°	6132.9	5883.2	5840.2	5796.9	6117.6	6381.0	6019.4
65°	6350.7	6208.2	6248.1	6288.4	6408.0	6440.0	5859.5
67.5°	6205.2	6234.2	6403.0	6572.2	6489.9	6264.8	5544.5
70°	5396.7	5570.5	5970.4	6370.7	6188.2	5795.6	4979.1
72.5°	4192.2	4387.7	4981.4	5575.5	5407.3	4926.5	4089.6
75°	3114.6	3335.4	3990.7	4646.1	4412.6	3685.0	2928.1
77.5°	2209.5	2357.3	3004.4	3651.7	3271.1	2452.9	1970.4
80°	1608.4	1563.1	1923.8	2284.4	2221.1	1622.4	1265.4
82.5°	1238.4	1127.9	1297.7	1467.5	1458.2	1125.9	928.4
85°	943.7	899.4	1049.6	1199.8	1071.3	762.6	590.1
87.5°	550.1	618.7	795.5	972.7	729.9	231.4	114.6
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: P386729
 CATALOG NUMBER: GPC-SA2B-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.

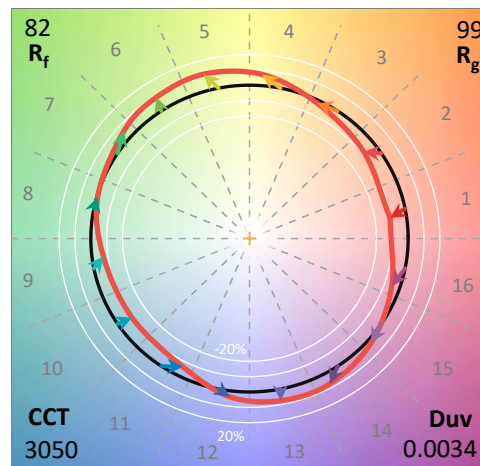
Test Information

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

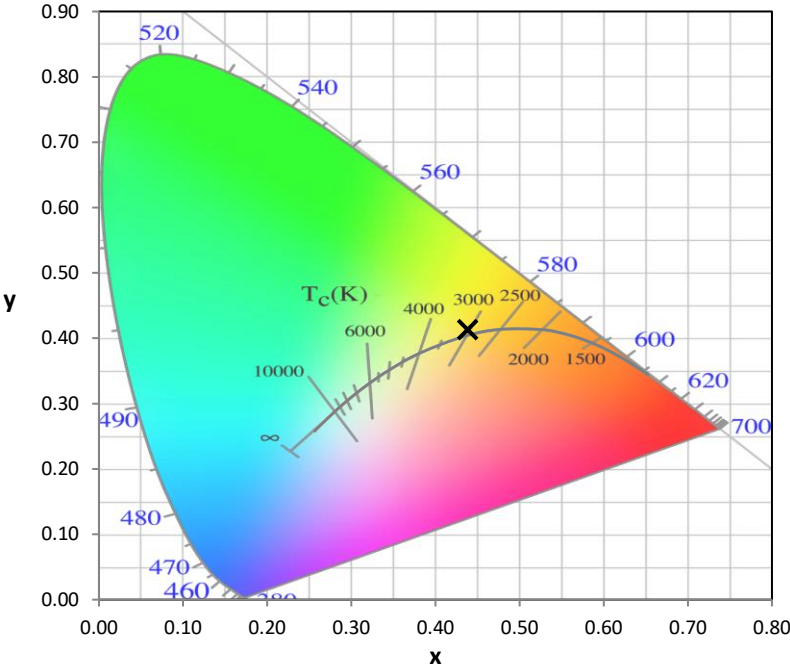
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

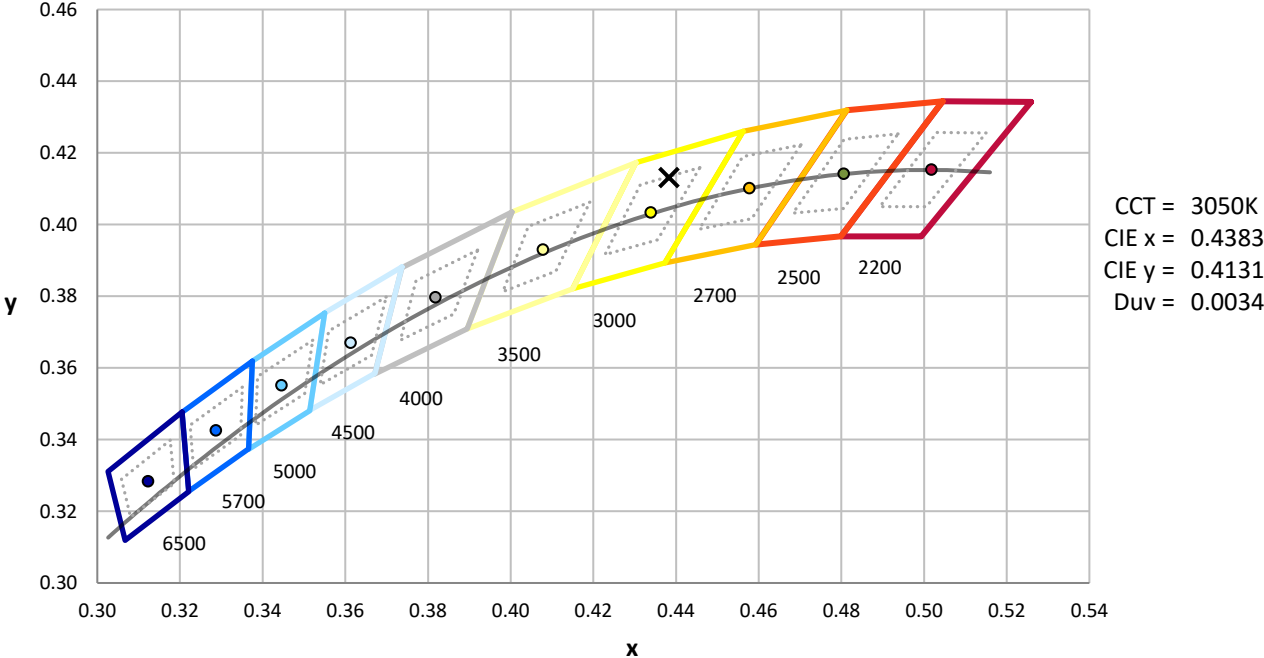
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



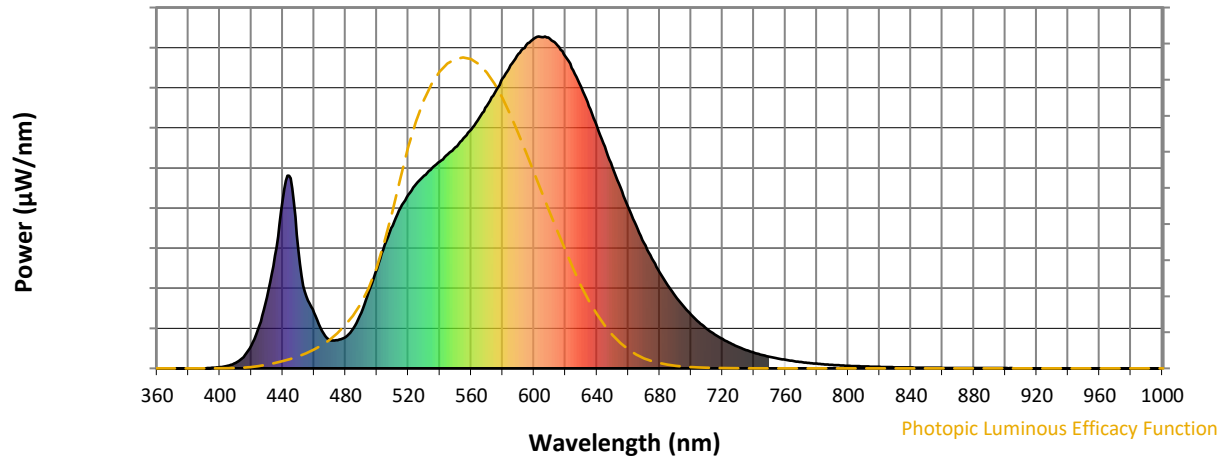
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

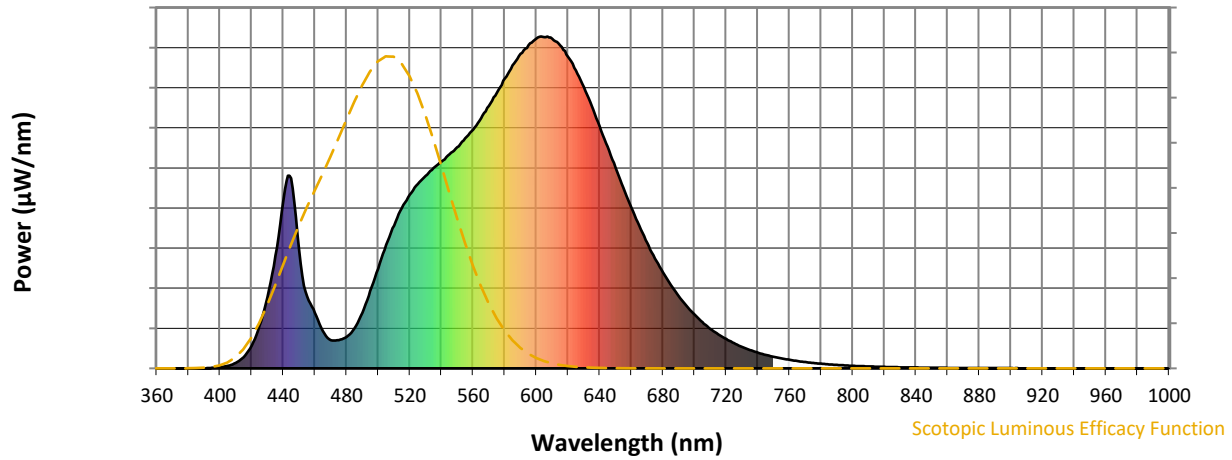


Photopic Lumens: NR

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



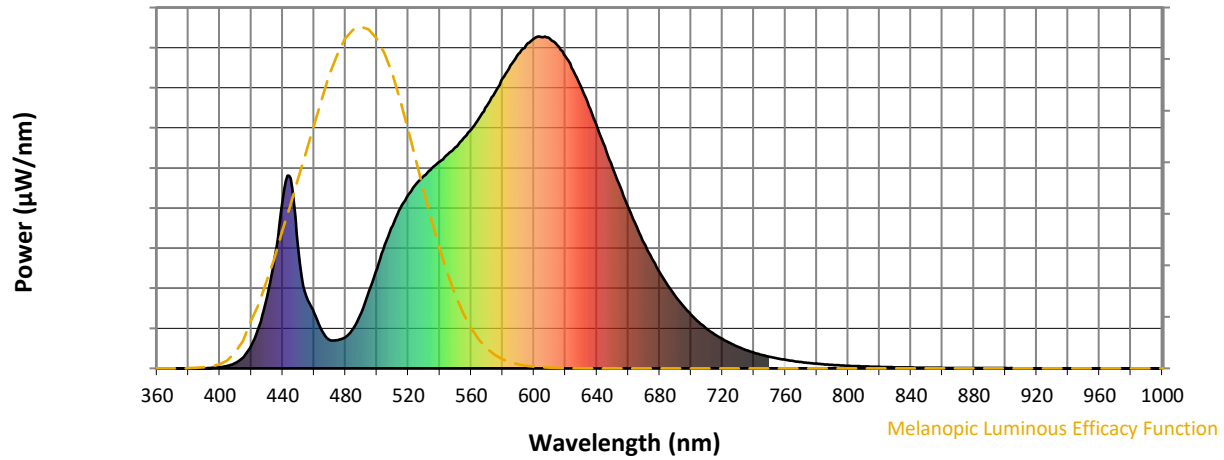
Scotopic Lumens: NR

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



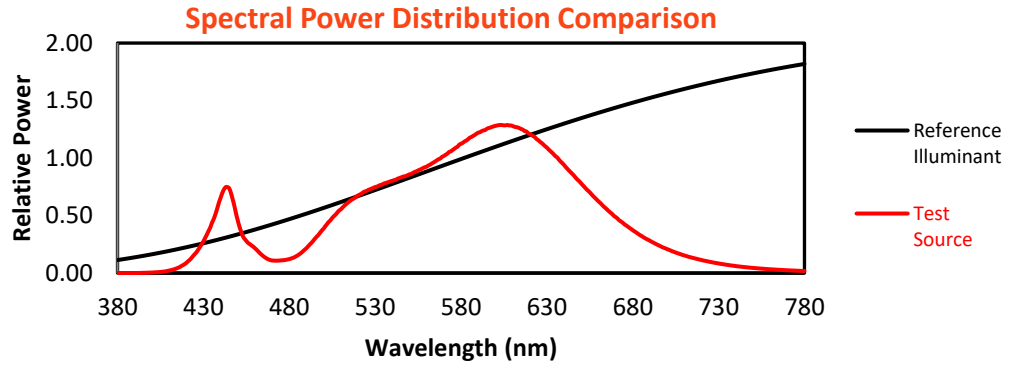
Melanopic Lumens: NR

M/P: 2.32

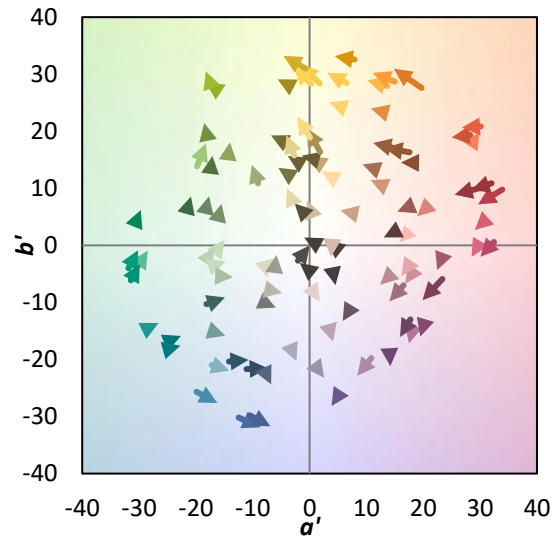
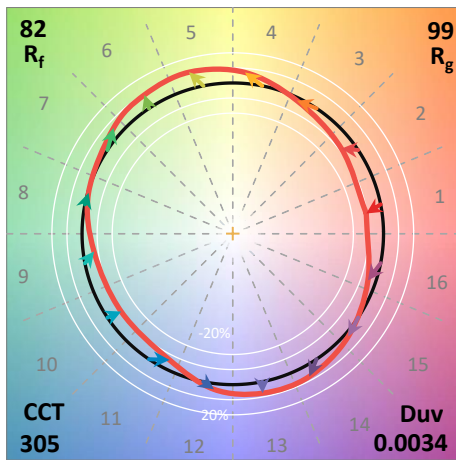
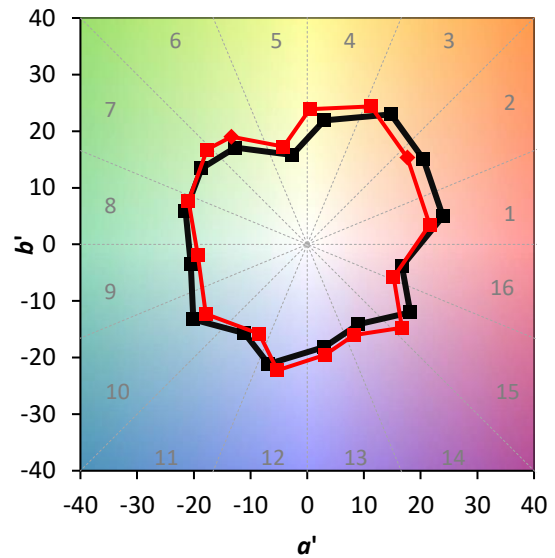
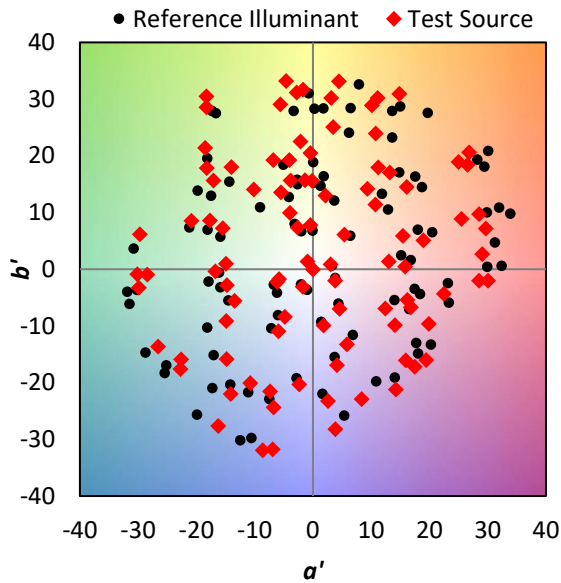
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300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

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

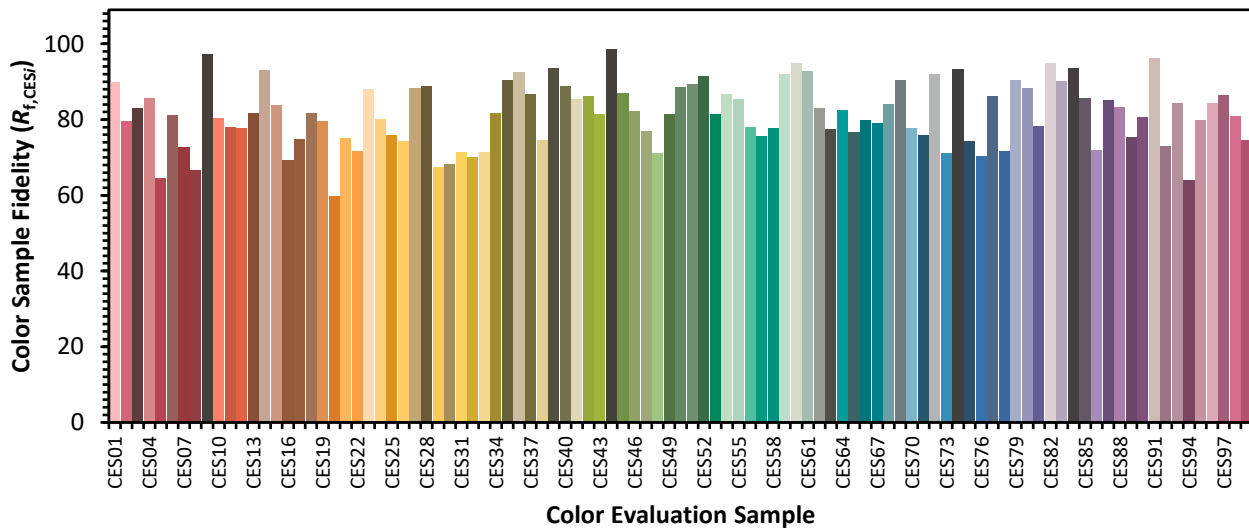


Color Vector Graphics

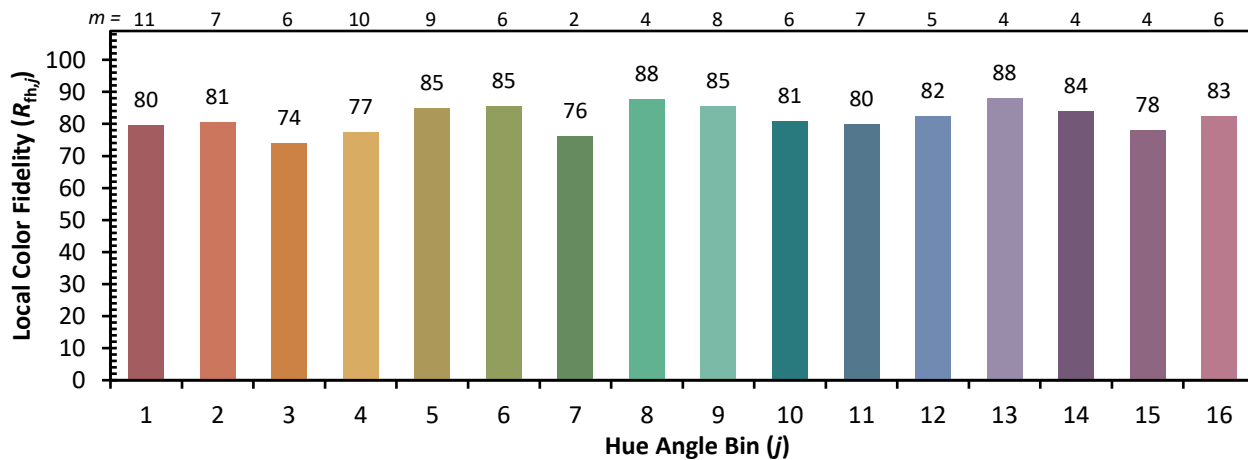
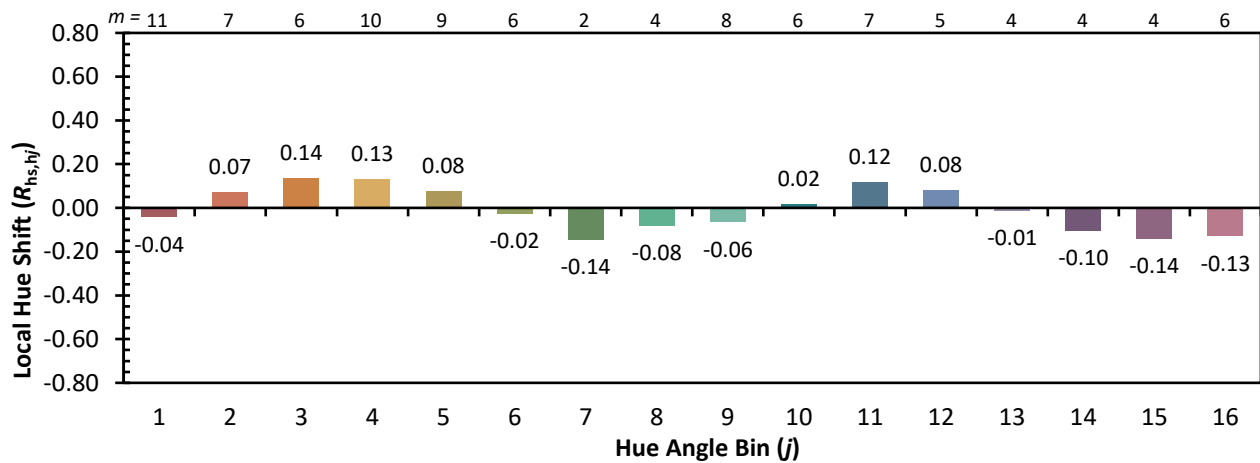
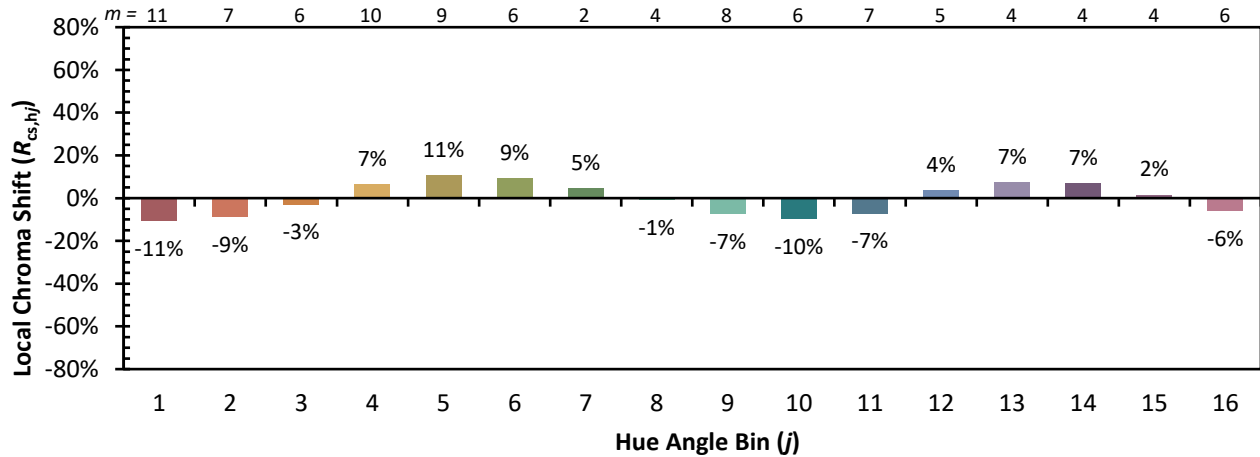


Individual Sample Fidelity Index ($R_{f,i}$)

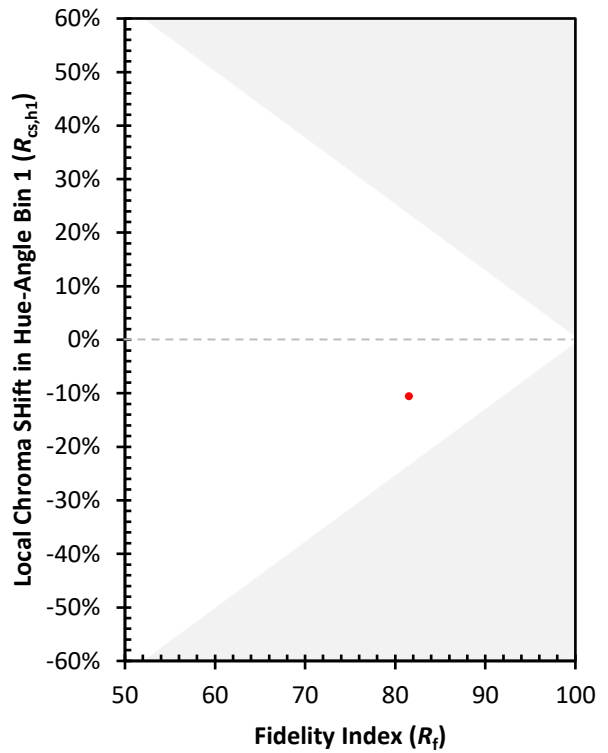
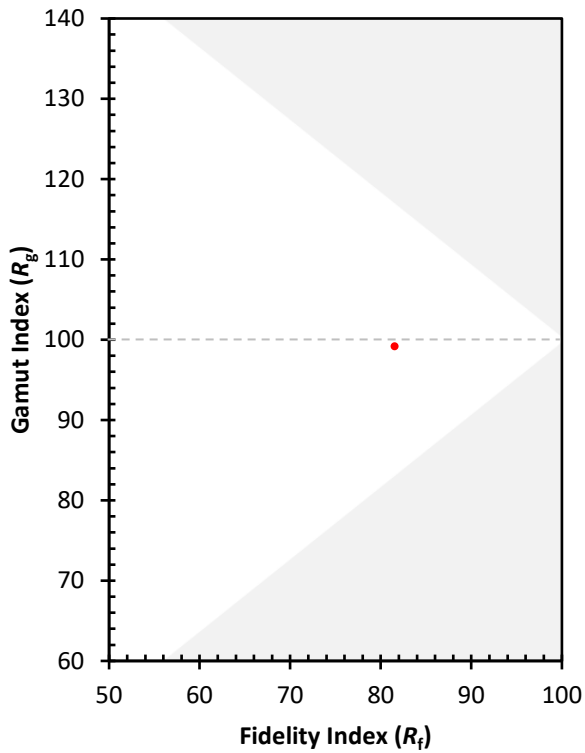
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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