

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: P386279

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386279
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-SA1D-830-U-SLL
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

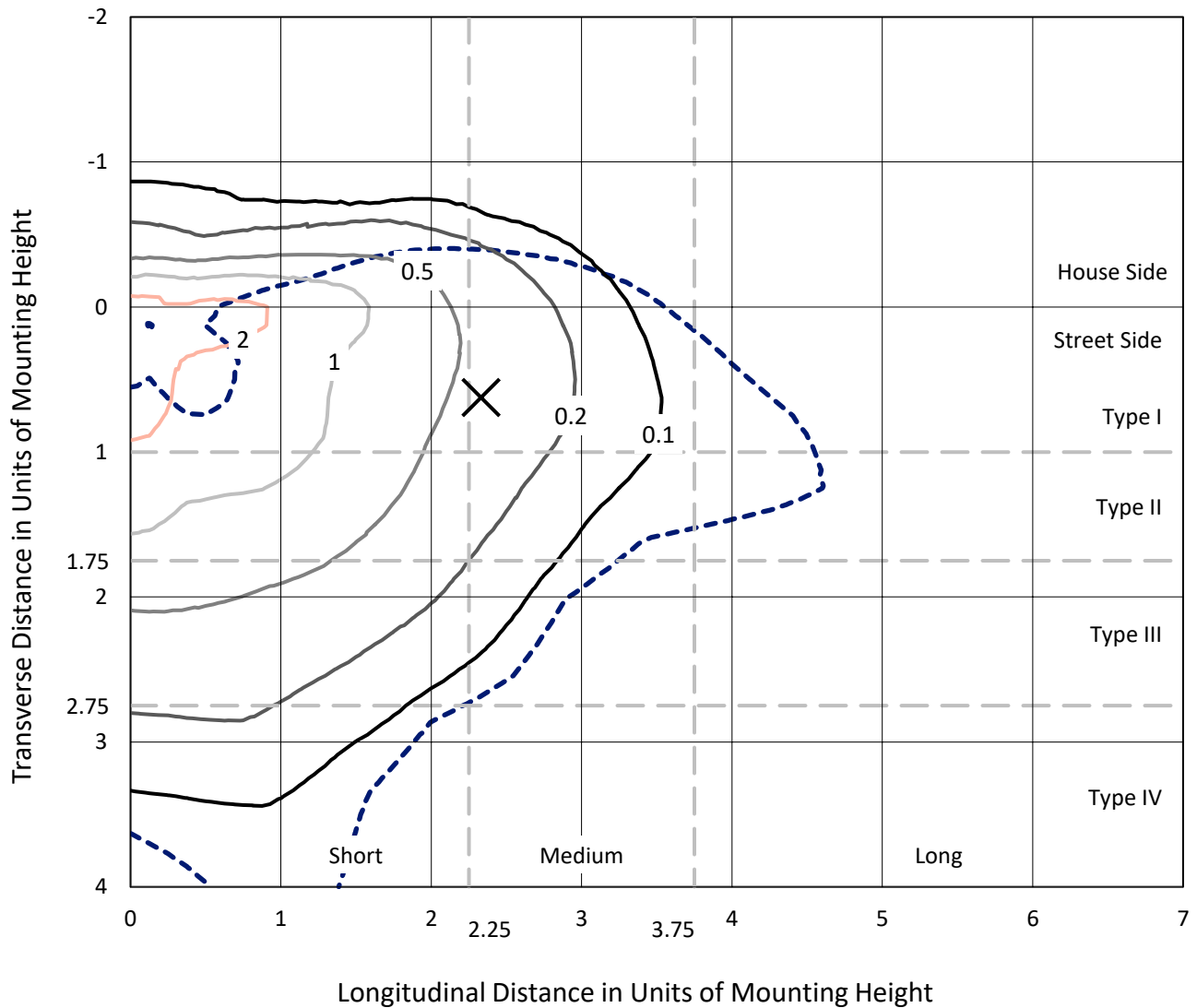
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

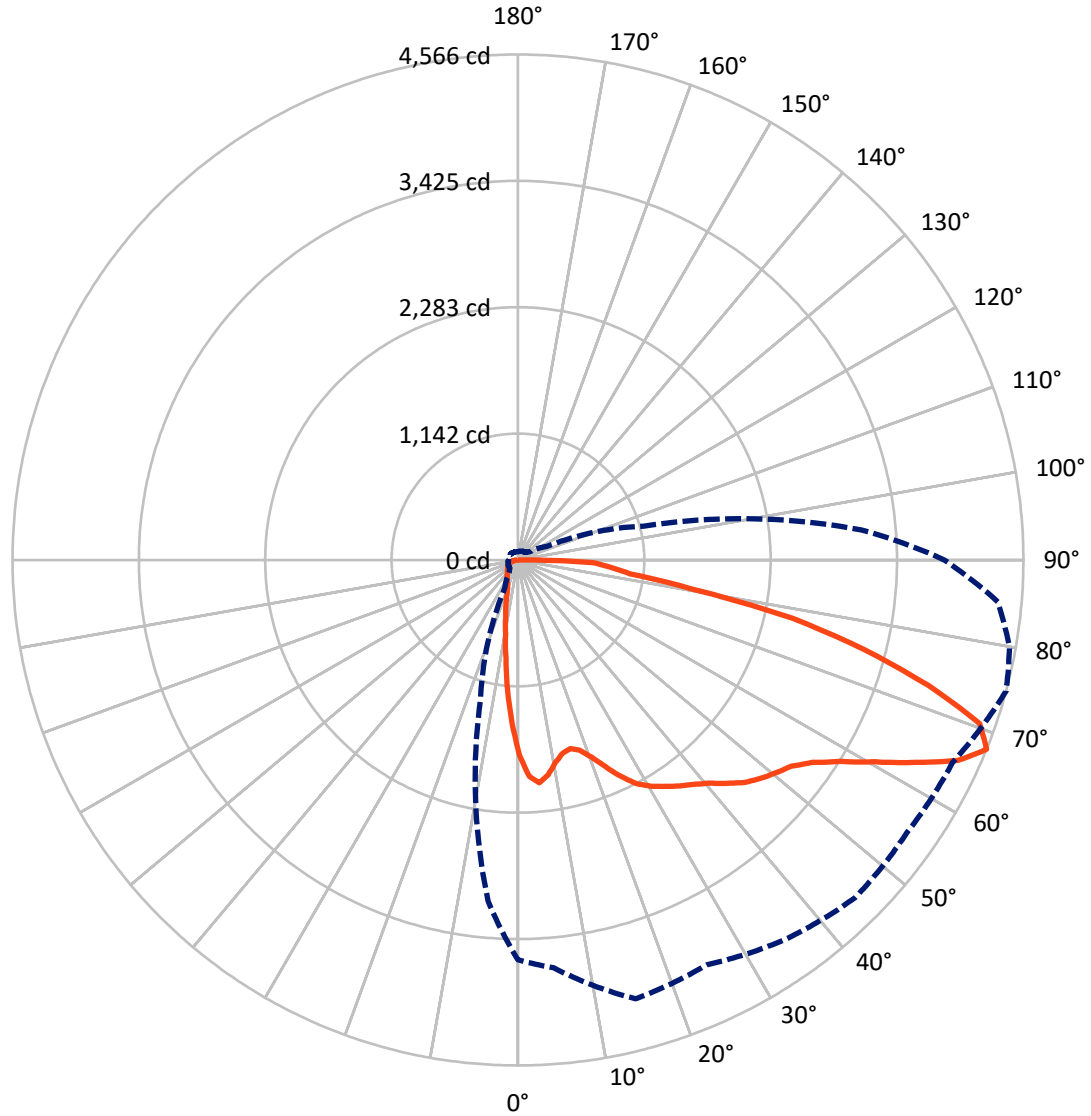
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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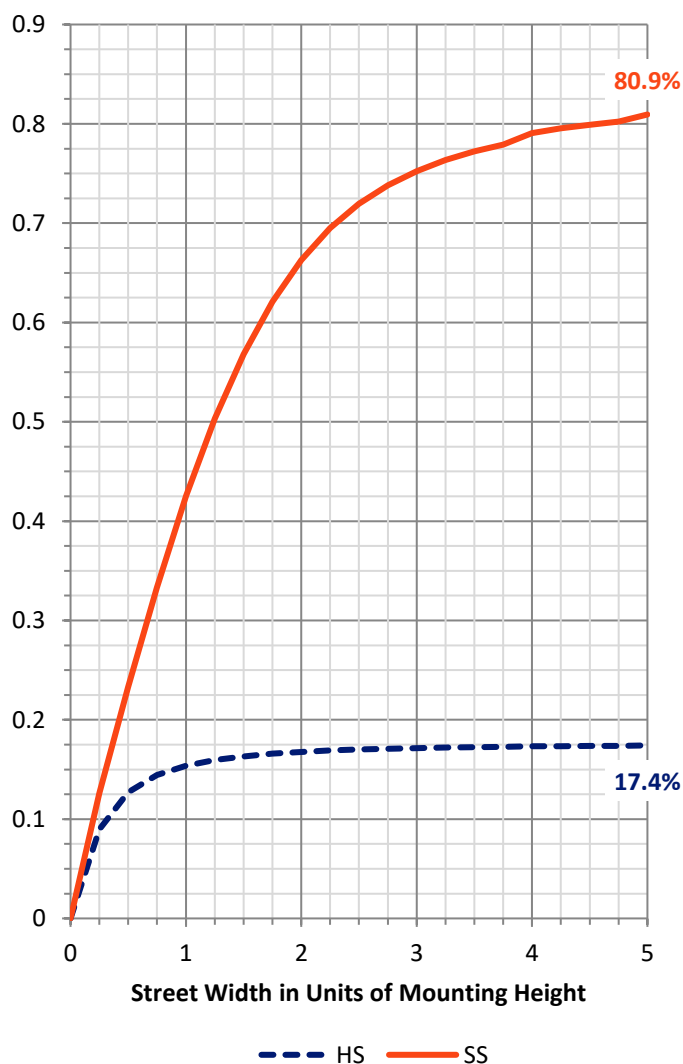
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.2	0.0	1019.2
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	4767.8	0.0	4767.8
	% Fixture	82.4	0.0	82.4
Total	Lumens	5787.0	0.0	5787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	2.4
10°-20°	282.7	4.9
20°-30°	402.0	6.9
30°-40°	579.3	10.0
40°-50°	816.4	14.1
50°-60°	1134.9	19.6
60°-70°	1372.5	23.7
70°-80°	843.6	14.6
80°-90°	219.5	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°	5787.0	100.0
0°-180°	5787.0	100.0

Coefficient of Utilization

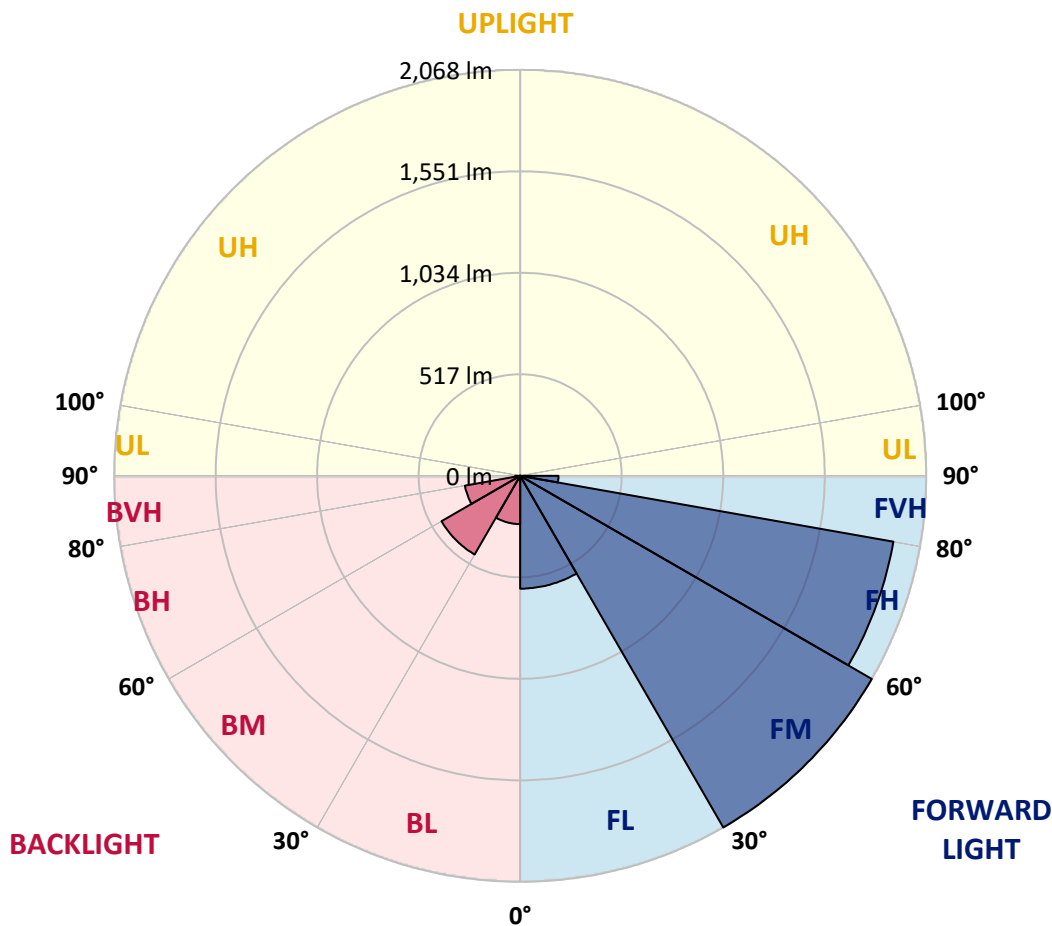


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.6	9.9			
FM (30°-60°)	2068.0	35.7			
FH (60°-80°)	1930.3	33.4			G2/5000
FVH (80°-90°)	194.9	3.4			G2/225
BL (0°-30°)	246.2	4.3	B1/500		
BM (30°-60°)	462.7	8.0	B1/1000		
BH (60°-80°)	285.8	4.9	B1/500		G1/500
BVH (80°-90°)	24.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1879.2	1903.9	1921.1	1938.0	1951.1	1964.1	1983.1	2002.0	2005.7	2009.2	2001.8
5°	1868.1	1928.5	1979.8	2031.0	2078.4	2125.8	2154.3	2182.7	2188.5	2194.3	2176.5
7.5°	1748.5	1837.5	1926.6	2015.7	2097.4	2179.0	2228.8	2278.3	2289.6	2300.7	2271.6
10°	1612.4	1716.1	1825.5	1934.9	2042.5	2150.1	2222.1	2294.0	2308.4	2322.7	2286.4
12.5°	1509.0	1622.1	1739.0	1855.8	1969.4	2082.8	2157.3	2231.8	2249.6	2267.4	2241.0
15°	1469.2	1593.2	1703.1	1813.0	1912.0	2010.8	2071.9	2132.8	2140.2	2147.3	2143.2
17.5°	1509.0	1645.7	1745.2	1844.5	1898.4	1952.1	1976.6	2000.9	2009.0	2016.8	2027.5
20°	1625.4	1773.0	1843.1	1913.0	1910.7	1908.1	1896.3	1884.3	1882.2	1880.1	1910.2
22.5°	1791.5	1962.9	1990.9	2018.7	1953.7	1888.7	1849.1	1809.3	1801.4	1793.3	1825.3
25°	1986.5	2169.1	2164.0	2158.7	2034.9	1910.9	1835.5	1760.0	1751.2	1742.4	1769.7
27.5°	2198.7	2373.2	2339.8	2306.5	2138.3	1970.1	1860.7	1751.2	1742.4	1733.7	1757.7
30°	2364.6	2522.9	2469.4	2416.0	2225.5	2035.1	1905.1	1775.1	1760.7	1746.1	1775.8
32.5°	2505.0	2639.7	2568.0	2496.2	2296.3	2096.4	1955.8	1815.1	1792.7	1770.2	1809.8
35°	2651.3	2756.3	2655.4	2554.3	2359.5	2164.5	2015.7	1866.7	1839.2	1811.6	1866.0
37.5°	2815.8	2903.0	2758.2	2613.1	2430.5	2248.0	2105.5	1962.7	1934.5	1906.3	1975.7
40°	2989.5	3062.2	2869.0	2675.8	2508.3	2340.8	2229.7	2118.4	2091.6	2064.5	2148.7
42.5°	3141.5	3194.5	2972.2	2749.8	2602.0	2453.9	2375.7	2297.3	2297.0	2296.6	2382.0
45°	3256.1	3302.1	3058.2	2814.1	2693.4	2572.4	2531.6	2490.9	2523.5	2556.2	2633.4
47.5°	3351.2	3382.4	3130.4	2878.2	2798.0	2717.7	2723.7	2729.7	2796.1	2862.5	2912.2
50°	3459.9	3434.7	3195.9	2956.9	2932.1	2907.4	2961.5	3015.4	3091.8	3167.9	3201.7
52.5°	3577.7	3510.8	3284.8	3058.5	3086.2	3114.0	3224.1	3334.3	3411.3	3488.4	3501.1
55°	3789.4	3686.9	3448.1	3209.1	3262.5	3315.8	3477.5	3639.0	3699.1	3759.3	3763.9
57.5°	4027.9	3937.0	3676.9	3416.9	3474.2	3531.6	3718.3	3904.8	3969.8	4034.6	4025.6
60°	4119.8	4124.2	3894.2	3664.0	3721.8	3779.7	3961.5	4143.4	4218.1	4292.6	4272.7
62.5°	4027.2	4135.7	4012.9	3889.8	3942.3	3994.6	4172.8	4350.9	4427.5	4504.1	4469.4
65°	3844.2	3951.8	4006.9	4061.9	4079.3	4096.6	4263.0	4429.1	4487.9	4546.4	4528.8
67.5°	3611.4	3698.4	3901.6	4104.5	4069.6	4034.6	4112.6	4190.6	4251.0	4311.3	4301.4
70°	3341.9	3445.6	3716.5	3987.4	3815.7	3643.8	3611.7	3579.5	3644.8	3709.8	3669.5
72.5°	2858.6	3015.0	3304.0	3592.7	3276.4	2960.1	2850.2	2740.3	2822.9	2905.5	2841.5
75°	2159.1	2366.7	2686.0	3005.0	2627.7	2250.3	2103.6	1956.9	2028.0	2099.0	2055.0
77.5°	1501.6	1761.9	2076.3	2390.7	2007.1	1623.3	1514.3	1405.1	1426.4	1447.4	1440.0
80°	1023.8	1195.0	1414.4	1633.5	1378.0	1122.6	1131.2	1139.5	1129.5	1119.4	1134.2
82.5°	642.1	762.6	932.0	1101.1	965.5	829.9	907.7	985.4	947.2	908.8	923.2
85°	361.6	435.2	600.9	766.3	714.2	661.9	707.5	752.9	693.6	634.4	660.6
87.5°	68.9	114.8	332.5	550.0	499.3	448.6	389.9	331.1	252.7	174.2	254.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1994.4	1990.5	1986.5	1972.4	1958.1	1936.8	1919.2	1888.7	1872.0	1846.8	1821.6
5°	2158.4	2133.5	2108.5	2065.4	2022.2	1974.0	1918.7	1857.4	1811.2	1751.0	1690.8
7.5°	2242.4	2184.1	2125.6	2043.0	1960.2	1885.7	1798.2	1716.8	1647.4	1569.1	1490.9
10°	2250.1	2162.6	2074.9	1967.6	1860.0	1769.5	1668.9	1578.4	1495.1	1405.3	1315.3
12.5°	2214.4	2121.4	2028.2	1910.0	1791.5	1688.8	1580.5	1479.1	1386.8	1288.0	1189.0
15°	2139.0	2064.7	1990.2	1879.4	1768.6	1664.9	1559.9	1439.8	1335.5	1234.4	1133.0
17.5°	2037.9	2002.7	1967.3	1887.3	1807.0	1717.2	1615.4	1474.5	1352.4	1242.5	1132.6
20°	1940.0	1953.0	1965.7	1933.8	1901.9	1829.9	1741.1	1582.8	1426.9	1283.2	1139.3
22.5°	1857.0	1919.2	1981.2	2006.0	2030.5	1987.2	1917.8	1734.8	1528.4	1340.8	1153.1
25°	1796.8	1900.0	2003.2	2085.6	2167.7	2148.5	2095.1	1919.4	1663.1	1423.8	1184.4
27.5°	1781.8	1908.3	2034.9	2162.6	2290.1	2307.9	2293.1	2114.0	1823.7	1527.0	1230.2
30°	1805.4	1933.6	2061.5	2217.0	2372.2	2443.3	2463.2	2276.2	2007.1	1647.4	1287.3
32.5°	1849.3	1975.0	2100.6	2270.0	2439.1	2546.5	2609.8	2424.5	2135.1	1738.0	1340.8
35°	1920.4	2037.9	2155.4	2331.7	2508.0	2646.9	2762.6	2577.7	2248.7	1801.4	1354.0
37.5°	2044.8	2146.0	2247.1	2409.9	2572.6	2752.6	2926.4	2746.4	2371.5	1862.5	1353.3
40°	2232.9	2304.4	2375.7	2513.4	2650.8	2877.3	3111.9	2934.5	2507.4	1928.7	1350.0
42.5°	2467.3	2504.1	2540.7	2649.6	2758.6	3007.6	3280.4	3118.4	2636.9	1990.2	1343.6
45°	2710.5	2720.2	2729.9	2798.6	2867.1	3110.8	3395.1	3256.5	2750.1	2043.7	1337.1
47.5°	2961.8	2928.4	2895.1	2922.4	2949.7	3189.9	3477.0	3361.3	2863.7	2102.9	1341.9
50°	3235.5	3142.7	3049.9	3035.6	3021.2	3269.0	3573.5	3494.6	3000.2	2189.2	1378.3
52.5°	3513.6	3360.6	3207.7	3151.0	3094.1	3363.4	3701.5	3660.5	3195.0	2323.0	1450.7
55°	3768.5	3574.0	3379.4	3303.0	3226.7	3507.8	3857.6	3904.1	3444.6	2493.9	1543.0
57.5°	4016.3	3795.9	3575.4	3504.6	3433.8	3720.0	4055.4	4122.8	3696.8	2658.0	1618.9
60°	4252.8	4034.6	3816.2	3759.5	3702.6	3983.7	4269.2	4220.2	3826.9	2734.8	1642.5
62.5°	4434.7	4261.1	4087.6	4057.8	4027.7	4250.5	4433.5	4182.2	3744.3	2659.1	1574.0
65°	4511.2	4412.5	4313.4	4341.4	4369.2	4452.2	4474.5	4071.2	3484.7	2447.2	1409.7
67.5°	4291.2	4311.3	4331.5	4449.0	4566.3	4509.2	4352.8	3852.3	3115.2	2146.9	1178.6
70°	3629.0	3749.8	3870.4	4148.5	4426.3	4299.5	4026.8	3459.4	2670.5	1801.0	931.3
72.5°	2777.1	2912.9	3048.5	3461.3	3873.8	3757.0	3422.9	2841.5	2141.1	1438.2	735.1
75°	2010.8	2164.2	2317.4	2772.7	3228.1	3065.9	2560.3	2034.4	1626.3	1097.8	569.2
77.5°	1432.4	1535.1	1637.9	2087.6	2537.2	2273.0	1704.3	1369.0	1125.6	763.1	400.3
80°	1149.0	1117.5	1086.0	1336.6	1587.2	1543.2	1127.2	879.2	779.0	511.3	243.6
82.5°	937.3	860.5	783.6	901.6	1019.6	1013.2	782.3	645.1	579.8	355.4	131.0
85°	686.5	655.7	624.9	729.3	833.6	744.5	529.8	410.0	452.1	261.7	71.3
87.5°	334.8	382.5	429.9	553.0	675.8	507.4	160.8	79.6	110.1	72.4	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1802.8	1783.9	1762.3	1740.8	1716.3	1691.5	1677.0	1662.2	1646.2	1630.2	1612.2
5°	1651.1	1611.3	1566.1	1521.0	1476.4	1431.7	1407.7	1383.6	1358.1	1332.5	1310.2
7.5°	1433.1	1375.0	1312.6	1249.9	1194.3	1138.6	1104.1	1069.4	1037.9	1006.2	979.6
10°	1241.3	1167.3	1104.6	1041.6	999.7	957.9	926.2	894.5	863.9	833.2	803.8
12.5°	1115.0	1040.9	1001.1	961.3	926.6	891.9	855.4	818.6	776.7	734.6	703.8
15°	1065.7	998.4	954.2	909.7	863.2	816.5	771.6	726.7	677.2	627.7	592.8
17.5°	1044.4	956.3	894.5	832.5	771.2	709.8	657.8	605.7	551.6	497.4	462.0
20°	1022.0	904.7	821.8	738.8	660.1	581.4	522.4	463.4	415.1	366.7	339.7
22.5°	1001.6	849.8	745.9	641.8	548.8	455.8	398.0	339.9	310.3	280.7	269.8
25°	993.3	801.9	674.2	546.5	448.4	350.1	308.9	267.7	256.4	244.8	239.2
27.5°	994.7	759.1	613.8	468.3	379.9	291.5	263.3	235.1	228.1	221.0	217.5
30°	1000.0	712.6	556.9	401.2	328.3	255.4	237.2	218.6	211.2	203.8	199.4
32.5°	1006.0	671.0	512.9	354.7	295.2	235.5	220.5	205.2	198.1	190.9	186.5
35°	995.6	637.0	482.9	328.8	273.9	218.9	206.2	193.2	185.3	177.5	173.3
37.5°	978.0	602.7	459.5	316.1	260.1	203.8	194.6	185.1	177.0	168.7	164.7
40°	962.0	573.8	442.1	310.3	252.4	194.4	186.5	178.6	170.3	161.7	157.1
42.5°	949.1	554.4	425.0	295.7	245.5	195.0	183.9	172.6	164.5	156.4	151.3
45°	939.4	541.6	411.6	281.6	239.0	196.4	182.3	168.2	160.1	151.8	145.8
47.5°	938.4	534.9	402.1	269.3	226.7	183.9	178.2	172.4	160.6	148.5	141.6
50°	951.2	524.1	391.0	257.7	214.9	172.1	180.0	187.6	167.5	147.2	138.4
52.5°	977.8	504.8	373.4	242.0	200.6	159.0	171.2	183.2	165.9	148.3	137.0
55°	1009.9	476.6	346.8	216.8	181.6	146.2	157.1	167.7	156.9	145.8	132.1
57.5°	1030.1	441.0	313.3	185.6	160.3	135.1	141.4	147.4	143.0	138.6	124.7
60°	1018.0	393.6	275.6	157.3	141.6	125.9	124.7	123.3	129.8	136.3	120.3
62.5°	959.3	344.5	242.2	140.0	128.2	116.1	113.6	110.8	121.5	131.9	115.0
65°	860.0	310.3	221.2	132.1	118.9	105.7	103.0	100.2	103.4	106.7	98.8
67.5°	733.9	289.2	209.2	129.1	113.1	96.9	93.7	90.5	89.8	89.1	86.3
70°	603.9	276.3	201.3	126.3	106.9	87.2	84.2	81.2	80.3	79.1	77.0
72.5°	504.8	274.6	200.4	126.1	101.8	77.5	74.7	72.0	70.8	69.4	67.8
75°	413.5	257.7	190.2	122.6	94.9	66.9	64.3	61.8	60.9	59.7	58.3
77.5°	306.8	213.3	159.9	106.4	81.2	56.0	53.4	50.7	50.4	50.0	48.8
80°	199.0	154.3	114.3	74.3	59.2	44.0	41.9	39.6	39.8	40.0	39.1
82.5°	110.6	90.0	69.9	49.7	40.5	31.2	30.3	29.2	29.8	30.3	29.2
85°	58.3	45.3	37.5	29.6	23.4	17.1	17.1	16.9	17.8	18.7	17.8
87.5°	25.2	16.0	13.7	11.1	6.2	1.2	1.4	1.4	1.9	2.3	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1593.9	1577.0	1559.9	1541.2	1544.6	1530.3	1515.9	1506.9	1497.9	1495.1	1492.3
5°	1288.0	1268.8	1249.4	1232.0	1247.1	1236.9	1226.7	1225.3	1223.7	1223.7	1223.5
7.5°	953.0	932.4	911.6	897.3	912.1	910.2	908.4	918.3	928.3	936.4	944.2
10°	774.4	749.4	724.2	702.9	699.2	688.6	677.7	680.0	682.1	690.9	699.7
12.5°	673.1	643.2	613.4	588.4	577.0	559.5	541.6	530.5	519.4	520.6	521.5
15°	557.6	528.7	499.5	478.0	470.8	457.2	443.5	429.7	415.5	409.8	403.7
17.5°	426.4	403.3	379.9	365.6	365.6	361.6	357.7	350.8	343.6	337.8	331.8
20°	312.6	300.3	287.8	281.8	283.7	283.9	283.9	287.4	290.8	289.0	287.1
22.5°	258.7	254.3	249.9	247.3	248.3	248.5	248.7	252.0	255.0	257.3	259.4
25°	233.5	230.7	227.9	227.0	229.1	229.3	229.3	231.4	233.5	235.8	238.1
27.5°	213.8	212.6	211.5	209.9	211.9	211.9	211.7	214.0	216.1	218.2	220.0
30°	195.0	195.5	195.7	195.3	196.7	197.6	198.3	199.9	201.3	202.9	204.5
32.5°	181.9	181.2	180.5	180.0	183.0	184.6	186.3	187.9	189.3	190.0	190.6
35°	169.1	167.5	165.9	164.7	167.5	169.6	171.7	174.7	177.5	177.9	178.4
37.5°	160.6	158.5	156.4	155.0	156.2	157.1	158.0	161.3	164.5	166.4	168.0
40°	152.5	150.4	148.3	147.2	147.8	148.1	148.3	149.9	151.3	154.8	158.0
42.5°	146.0	143.4	140.9	139.5	140.0	140.4	140.7	140.4	140.2	143.4	146.7
45°	139.5	136.7	134.0	132.3	132.6	132.6	132.6	132.1	131.4	133.0	134.7
47.5°	134.4	131.2	127.9	126.3	125.9	125.4	124.9	124.7	124.2	125.4	126.3
50°	129.3	125.9	122.2	120.3	119.2	118.7	118.2	118.0	117.5	118.7	119.6
52.5°	125.4	121.2	117.1	114.1	112.9	112.2	111.5	111.8	111.8	112.2	112.4
55°	118.5	114.8	110.8	108.7	106.7	106.2	105.7	106.4	106.9	106.9	106.9
57.5°	110.8	107.4	103.7	102.3	100.4	100.4	100.2	101.1	101.8	102.3	102.7
60°	104.1	100.2	96.2	95.1	94.4	94.2	93.9	95.1	96.0	96.9	97.9
62.5°	97.9	93.7	89.5	88.2	87.9	88.2	88.2	89.3	90.2	91.2	92.1
65°	90.9	86.8	82.4	81.0	81.4	82.1	82.8	83.8	84.4	85.4	86.3
67.5°	83.3	79.8	76.1	74.7	75.0	75.9	76.8	77.5	78.0	78.9	79.8
70°	75.0	72.0	68.9	68.0	67.8	68.9	69.9	70.3	70.8	72.0	72.9
72.5°	65.9	63.4	60.9	60.2	60.4	61.1	61.8	62.5	62.9	64.1	65.0
75°	56.7	54.4	52.1	51.6	52.1	52.8	53.4	53.9	54.4	55.8	56.9
77.5°	47.7	45.1	42.3	42.1	42.8	43.5	44.0	44.7	45.3	47.2	49.1
80°	38.2	35.4	32.4	32.2	32.9	33.5	34.2	34.9	35.6	37.9	40.0
82.5°	28.0	24.8	21.5	21.1	23.4	24.1	24.8	25.9	26.8	28.9	31.0
85°	16.9	13.7	10.4	10.2	12.3	13.4	14.6	16.0	17.1	19.0	20.8
87.5°	1.9	0.9	0.0	0.0	0.2	1.2	2.1	3.2	4.4	6.2	7.9
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: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1482.2	1471.7	1482.4	1492.8	1497.2	1501.6	1490.3	1478.7	1496.7	1514.5	1519.2
5°	1214.2	1204.7	1211.9	1218.9	1203.4	1187.9	1186.2	1184.4	1197.8	1211.2	1213.3
7.5°	941.2	938.2	944.9	951.6	932.0	912.1	902.3	892.6	895.9	899.1	898.6
10°	701.7	703.6	711.9	720.0	704.8	689.5	682.8	676.1	683.5	690.6	697.3
12.5°	525.7	529.6	538.4	547.0	540.7	534.2	534.9	535.6	544.2	552.5	559.9
15°	408.4	413.0	419.2	425.3	425.5	425.5	431.5	437.3	436.6	435.9	441.0
17.5°	338.0	344.0	344.7	345.4	345.7	345.9	345.4	345.0	341.5	338.0	342.0
20°	289.4	291.5	293.4	295.0	292.9	290.6	284.8	279.0	276.7	274.4	278.1
22.5°	263.3	267.0	265.1	263.1	258.9	254.5	250.1	245.5	245.3	244.8	246.9
25°	241.3	244.3	241.1	237.8	234.8	231.8	228.8	225.8	225.6	225.4	226.3
27.5°	223.0	225.8	222.8	219.8	217.3	214.7	212.4	210.1	209.6	209.2	209.4
30°	207.3	209.9	207.3	204.5	202.7	200.6	199.0	197.4	197.1	196.9	196.9
32.5°	193.2	195.7	193.9	192.0	190.4	188.8	187.6	186.5	185.3	184.2	181.6
35°	180.9	183.5	182.3	180.9	179.1	177.2	175.1	172.8	169.8	166.6	165.2
37.5°	170.5	173.1	171.9	170.8	168.2	165.7	162.0	158.0	157.1	155.9	155.7
40°	162.2	166.1	163.8	161.3	157.3	153.4	151.5	149.7	149.2	148.8	148.3
42.5°	152.9	159.0	154.8	150.6	146.9	143.2	142.8	142.3	142.1	141.8	141.8
45°	141.4	147.8	143.7	139.3	137.2	135.1	135.1	135.1	135.4	135.4	135.8
47.5°	130.5	134.4	132.3	130.3	129.1	127.9	128.2	128.4	129.1	129.6	130.7
50°	121.2	122.6	123.1	123.3	122.6	121.9	122.4	122.6	123.3	123.8	124.7
52.5°	114.5	116.6	116.6	116.4	116.4	116.4	116.8	117.3	118.0	118.7	119.6
55°	110.1	113.1	112.2	111.3	111.5	111.5	112.0	112.4	113.1	113.6	115.0
57.5°	106.0	109.2	108.3	107.4	107.4	107.4	107.6	107.8	108.5	109.0	109.9
60°	101.1	104.3	103.4	102.3	102.5	102.7	103.0	103.0	103.4	103.7	103.7
62.5°	95.3	98.6	97.6	96.5	97.2	97.6	97.6	97.6	98.1	98.3	97.6
65°	89.3	92.3	91.4	90.5	91.4	92.1	92.5	92.8	92.5	92.3	91.6
67.5°	82.8	85.8	84.9	83.8	84.9	85.8	86.8	87.5	86.8	86.1	85.1
70°	75.9	78.9	77.7	76.6	77.7	78.9	79.8	80.7	79.8	78.9	78.7
72.5°	68.5	72.0	70.6	69.2	70.6	72.0	72.4	72.9	72.2	71.5	71.0
75°	60.4	63.9	62.7	61.3	62.5	63.6	63.9	64.1	64.1	63.9	62.5
77.5°	51.8	54.6	53.9	53.2	53.9	54.6	54.6	54.6	54.8	54.8	53.0
80°	41.6	43.3	43.5	43.7	44.0	44.2	44.0	43.7	43.3	42.8	41.6
82.5°	31.0	31.0	32.9	34.5	34.5	34.2	34.0	33.5	32.6	31.5	28.9
85°	19.7	18.5	21.5	24.3	24.3	24.1	23.6	22.9	21.1	19.0	16.9
87.5°	6.7	5.6	8.6	11.6	11.8	11.8	11.3	10.9	9.0	6.9	5.3
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):

	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: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1526.1	1529.1	1531.9	1554.6	1577.0	1603.4	1629.8	1649.9	1669.8	1690.4	1711.0
5°	1220.5	1224.2	1227.9	1255.4	1282.7	1319.5	1356.3	1388.0	1419.7	1456.9	1494.2
7.5°	904.7	912.8	920.6	950.0	979.2	1018.7	1058.1	1099.5	1140.7	1189.2	1237.8
10°	710.5	725.8	740.8	770.9	801.0	840.1	879.0	922.2	965.5	1013.4	1061.1
12.5°	575.2	595.5	615.7	651.8	687.9	734.6	781.1	829.2	877.1	919.2	961.3
15°	454.4	476.6	498.6	536.8	575.0	626.3	677.5	730.0	782.3	832.7	883.1
17.5°	354.5	372.7	390.8	423.2	455.3	505.1	554.8	609.9	665.0	726.5	787.8
20°	286.0	293.6	301.2	324.6	347.7	388.2	428.5	484.7	540.9	614.5	688.1
22.5°	250.6	254.5	258.2	269.5	280.7	306.8	332.7	382.5	432.0	512.3	592.3
25°	229.3	232.3	235.3	242.7	250.1	262.6	275.1	310.0	345.0	423.9	502.5
27.5°	210.1	214.7	219.1	222.6	225.8	234.4	242.7	265.6	288.5	362.1	435.4
30°	196.2	197.8	199.4	204.8	209.9	218.6	227.4	243.4	259.4	321.6	383.6
32.5°	180.0	182.3	184.6	190.2	195.7	203.8	211.9	224.9	237.6	290.8	343.8
35°	165.4	167.7	170.1	175.6	180.9	189.7	198.3	209.2	219.8	266.1	312.3
37.5°	156.4	158.7	161.0	165.9	170.5	179.3	187.9	196.4	204.8	247.6	290.4
40°	148.8	151.1	153.4	158.0	162.4	171.0	179.3	186.5	193.7	233.7	273.7
42.5°	142.1	144.6	147.2	151.8	156.2	163.8	171.4	180.9	190.2	221.7	252.9
45°	136.5	139.1	141.4	146.5	151.5	159.0	166.4	179.5	192.7	215.4	238.1
47.5°	131.4	134.2	136.7	142.3	147.8	157.1	166.1	177.2	188.1	210.5	233.0
50°	126.6	129.8	133.0	139.7	146.2	161.7	177.0	178.6	180.0	206.6	233.0
52.5°	121.9	125.6	129.3	137.7	145.8	163.8	181.9	176.1	170.1	199.2	228.4
55°	117.3	120.5	123.6	133.7	143.9	157.1	170.3	162.7	154.8	185.3	215.9
57.5°	111.1	114.5	117.8	128.6	139.5	148.8	157.8	150.9	143.7	169.6	195.3
60°	104.6	108.5	112.4	126.3	140.0	138.4	136.5	135.1	133.5	152.0	170.5
62.5°	98.8	103.0	107.1	125.2	143.2	132.1	121.0	122.2	123.1	136.7	150.4
65°	93.0	97.2	101.1	110.1	119.2	114.8	110.4	112.2	113.8	127.3	140.7
67.5°	86.5	90.2	93.7	96.7	99.7	100.2	100.6	102.5	104.3	120.3	136.0
70°	79.4	82.4	85.4	87.5	89.3	90.2	90.9	93.2	95.6	112.9	130.3
72.5°	71.3	73.8	76.1	78.0	79.8	80.5	81.0	83.3	85.6	104.1	122.6
75°	62.5	64.6	66.4	68.0	69.6	70.6	71.5	73.1	74.7	94.9	114.8
77.5°	52.8	54.8	56.7	58.1	59.2	60.2	60.9	62.9	65.0	81.9	98.6
80°	41.2	43.7	46.0	47.2	48.1	48.4	48.4	50.2	52.1	64.1	75.9
82.5°	29.2	31.9	34.5	35.4	36.3	36.3	36.3	38.4	40.5	48.6	56.5
85°	17.1	20.1	22.9	23.8	24.8	25.2	25.5	26.4	27.1	32.9	38.4
87.5°	5.3	7.9	10.2	10.6	11.1	12.0	13.0	13.2	13.2	17.1	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P386279

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0	1763.0
2.5°	1734.6	1758.2	1785.7	1813.0	1836.4	1859.7	1879.2
5°	1541.6	1589.0	1647.1	1705.0	1756.6	1808.2	1868.1
7.5°	1299.1	1360.5	1435.6	1510.8	1583.7	1656.4	1748.5
10°	1123.5	1185.8	1265.4	1344.7	1426.6	1508.3	1612.4
12.5°	1012.0	1062.4	1139.5	1216.5	1312.8	1408.8	1509.0
15°	938.4	993.5	1068.5	1143.4	1248.7	1354.0	1469.2
17.5°	860.0	932.0	1028.0	1124.0	1248.7	1373.2	1509.0
20°	777.9	867.4	991.9	1116.4	1284.3	1452.1	1625.4
22.5°	696.0	799.6	959.3	1118.7	1338.2	1557.6	1791.5
25°	622.2	741.8	939.4	1136.7	1416.7	1696.4	1986.5
27.5°	566.2	696.7	931.3	1165.6	1516.2	1866.7	2198.7
30°	516.4	649.2	921.5	1193.9	1612.0	2029.8	2364.6
32.5°	473.4	602.9	902.8	1202.4	1678.8	2155.2	2505.0
35°	439.6	566.9	871.3	1175.8	1720.7	2265.6	2651.3
37.5°	410.4	530.5	835.5	1140.4	1757.9	2375.5	2815.8
40°	382.7	491.7	804.7	1117.5	1809.3	2501.1	2989.5
42.5°	356.3	459.7	779.9	1100.2	1857.0	2613.6	3141.5
45°	336.6	435.2	758.0	1080.5	1887.7	2695.0	3256.1
47.5°	326.9	420.6	746.2	1071.5	1918.5	2765.3	3351.2
50°	325.5	418.1	759.6	1101.1	1985.2	2869.0	3459.9
52.5°	325.3	422.2	798.2	1174.2	2108.9	3043.4	3577.7
55°	320.4	424.8	844.3	1263.5	2275.1	3286.4	3789.4
57.5°	305.6	416.0	891.7	1367.2	2450.7	3533.9	4027.9
60°	282.7	394.7	930.8	1466.7	2568.7	3670.4	4119.8
62.5°	254.0	357.5	943.8	1529.8	2565.4	3601.0	4027.2
65°	229.5	318.4	901.2	1483.8	2435.6	3387.3	3844.2
67.5°	207.8	279.3	794.8	1310.0	2202.2	3094.1	3611.4
70°	192.0	253.6	657.6	1061.5	1910.0	2758.2	3341.9
72.5°	182.1	241.3	536.1	830.6	1549.9	2269.0	2858.6
75°	168.4	222.1	420.6	618.9	1186.2	1753.6	2159.1
77.5°	143.0	187.2	317.0	446.8	870.4	1293.8	1501.6
80°	110.4	144.6	218.0	291.3	599.0	906.7	1023.8
82.5°	78.7	100.9	132.1	163.3	398.0	632.3	642.1
85°	48.6	58.8	75.7	92.5	263.3	434.0	361.6
87.5°	26.1	31.2	40.0	48.6	84.2	119.8	68.9
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: P386279
 CATALOG NUMBER: GPC-SA1D-830-U-SLL

CANDELA DISTRIBUTION (continued):

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

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.

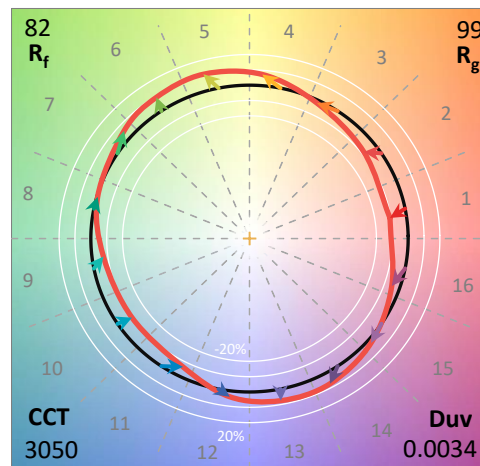
Test Information

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

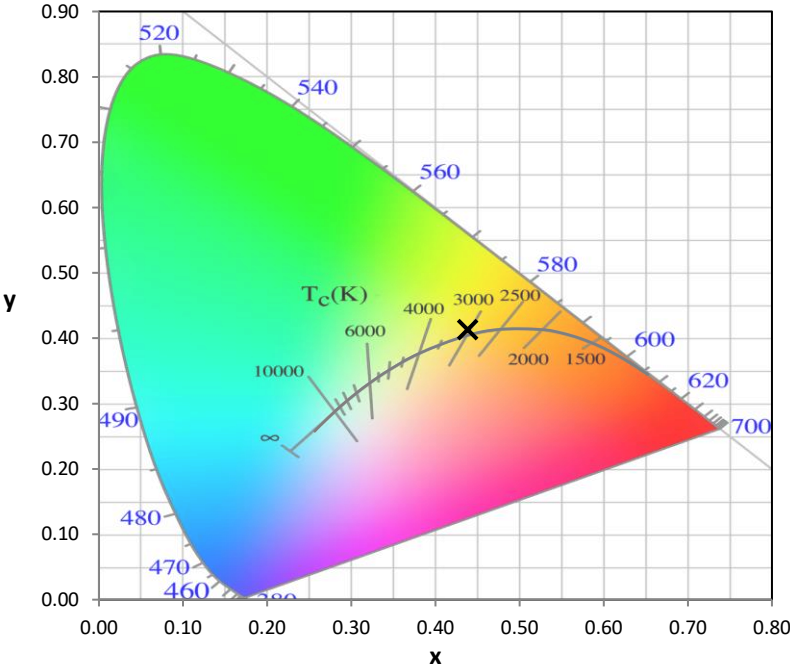
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

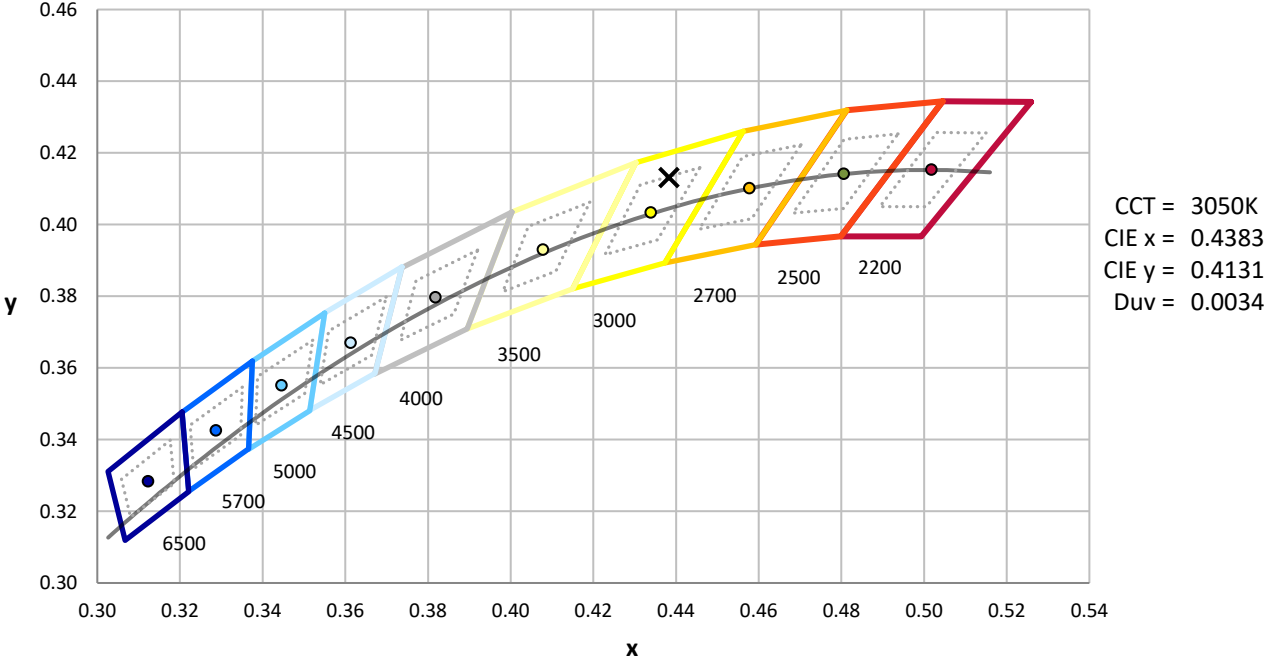
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



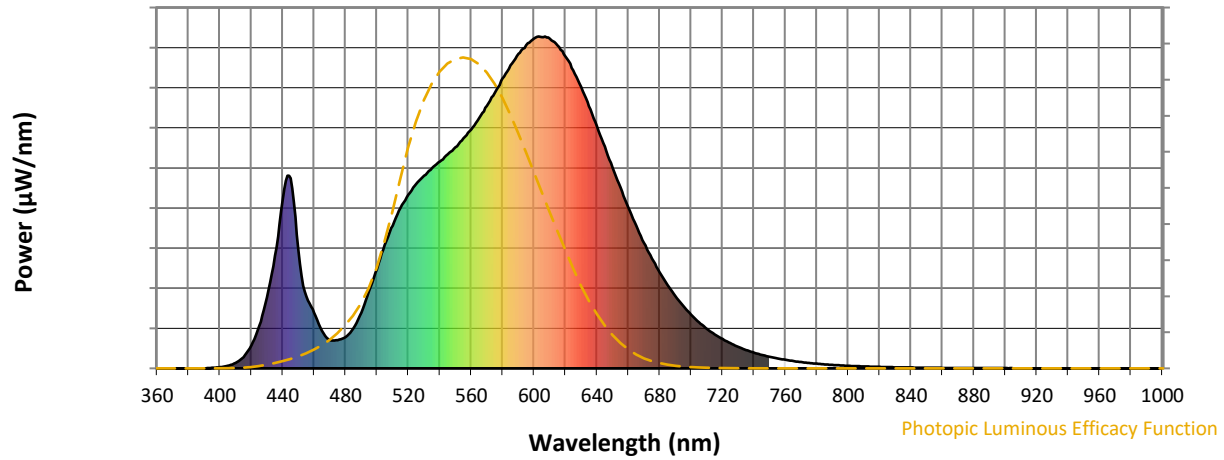
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

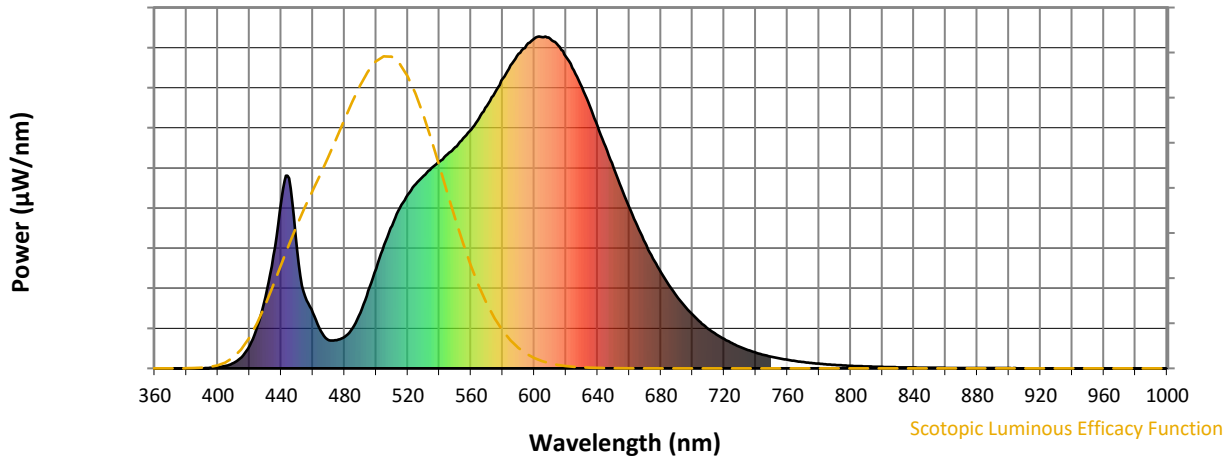


Photopic Lumens: NR

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



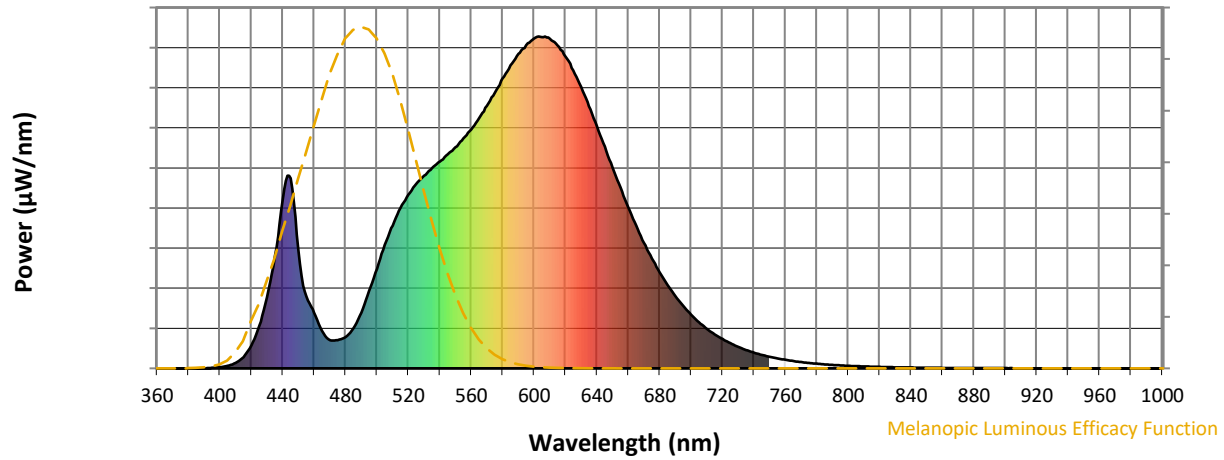
Scotopic Lumens: NR

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



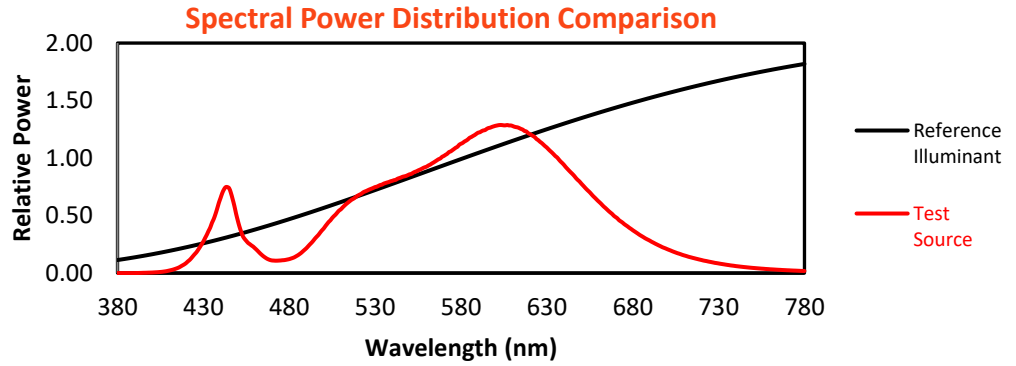
Melanopic Lumens: NR

M/P: 2.32

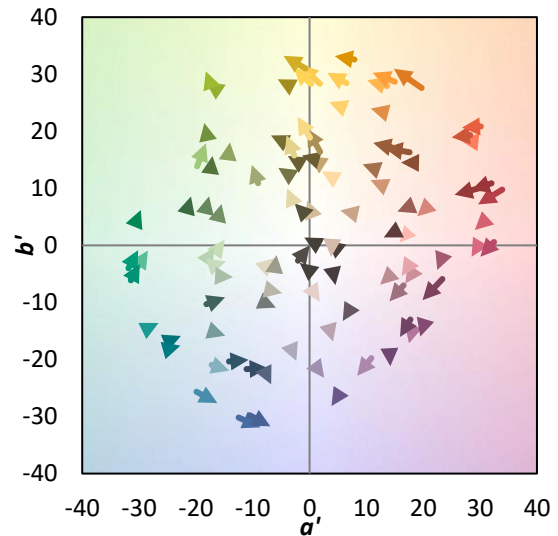
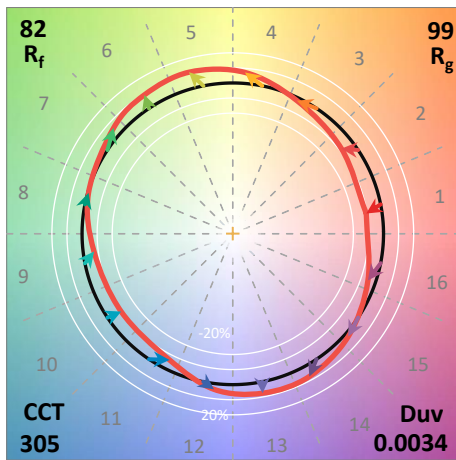
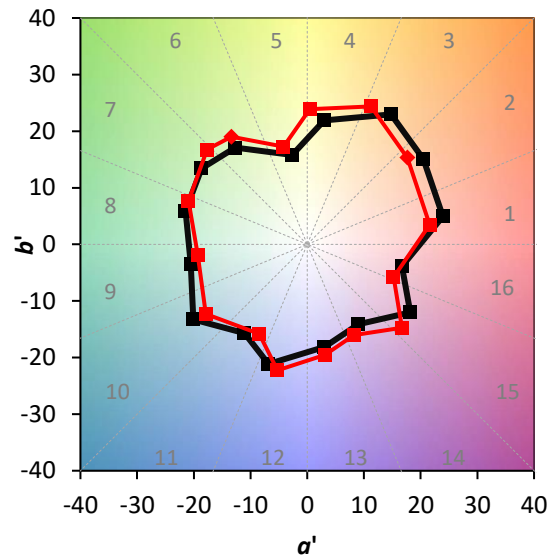
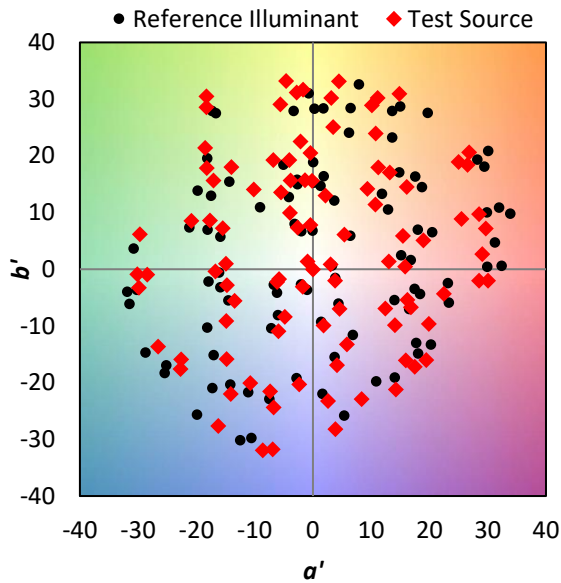
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300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

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

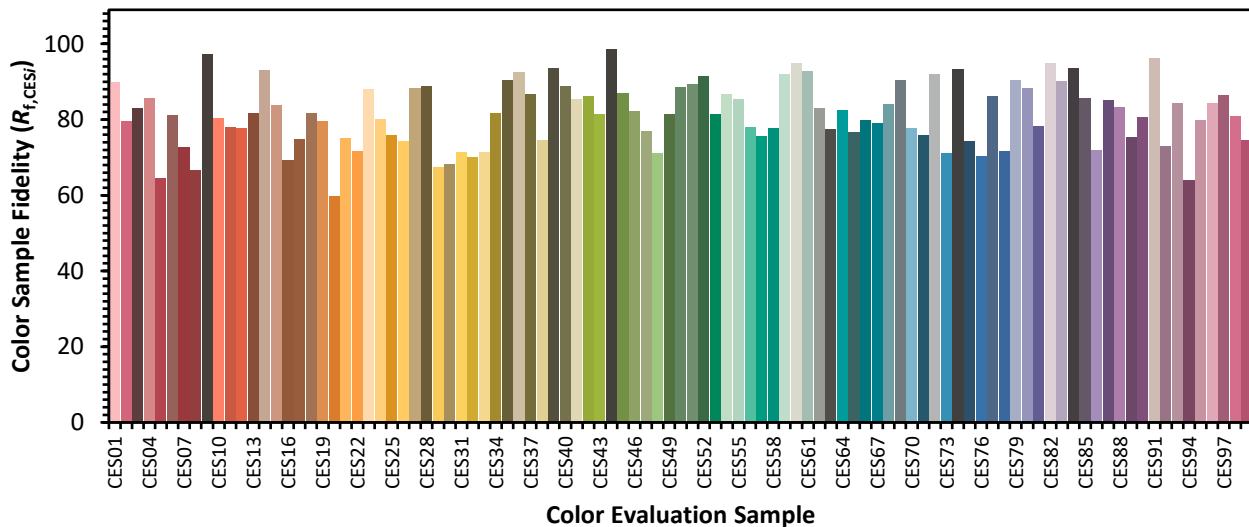


Color Vector Graphics

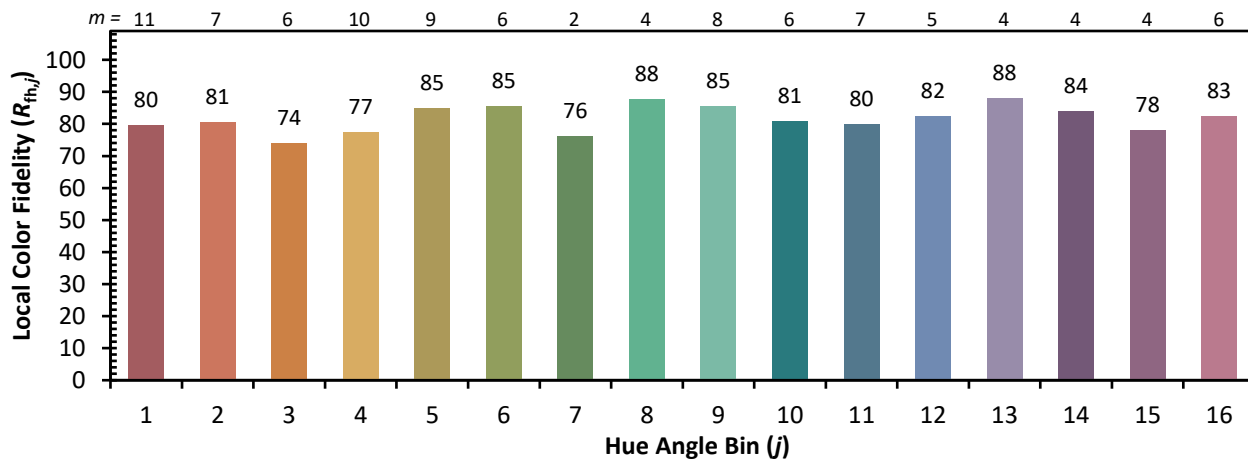
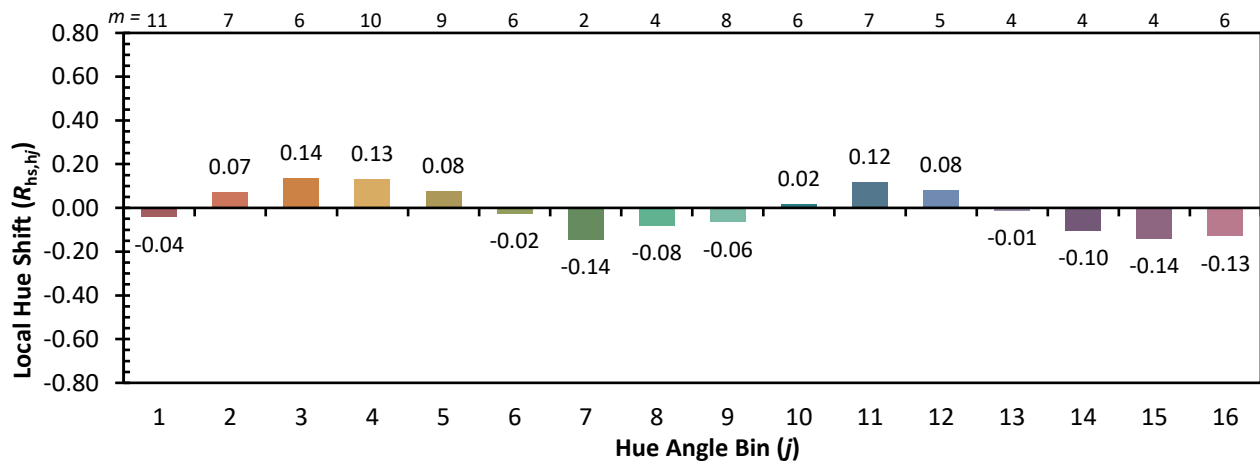
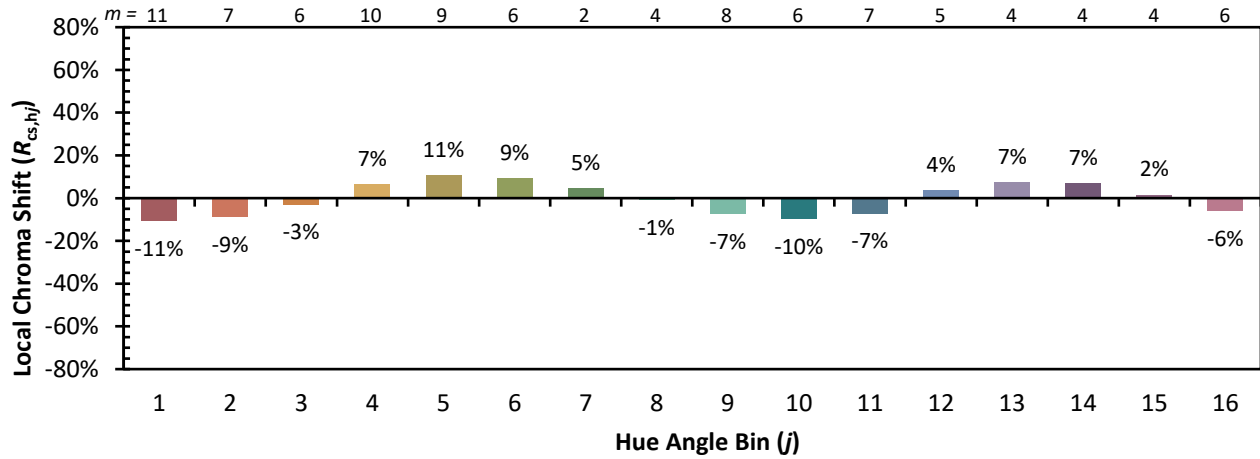


Individual Sample Fidelity Index ($R_{f,i}$)

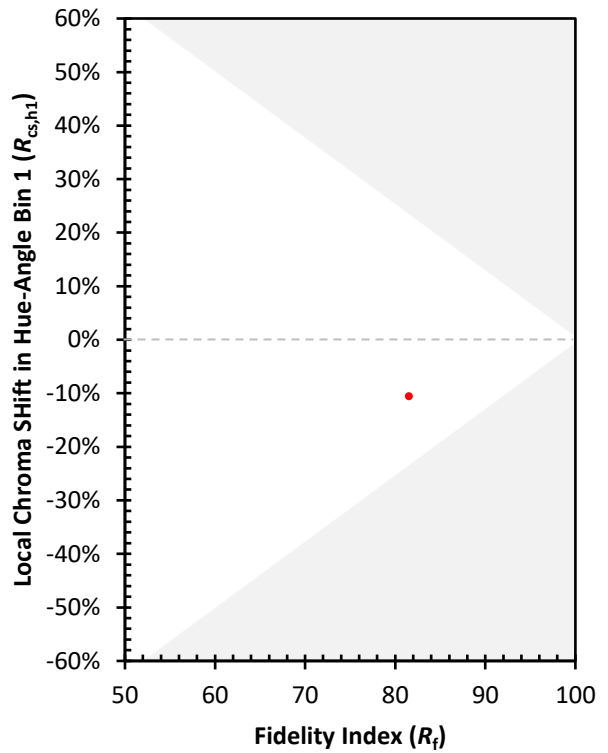
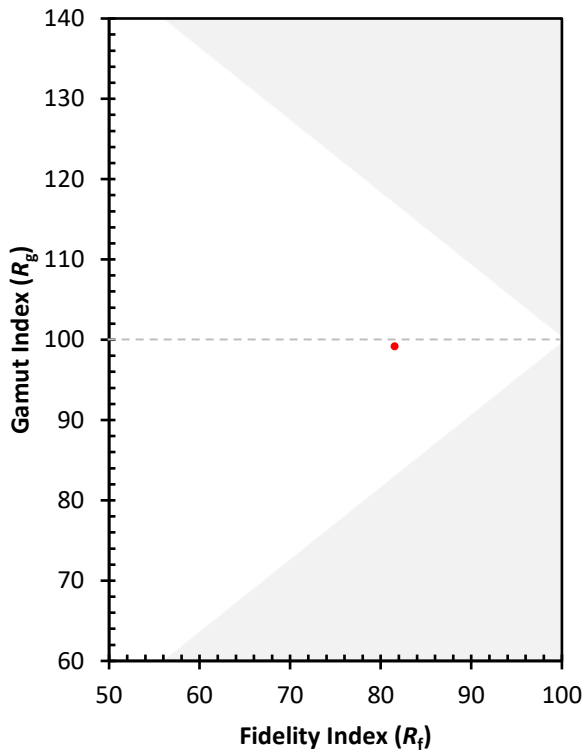
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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