

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642937

Luminaire Tested: GWS-SA6D-830-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-830-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26670.3 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

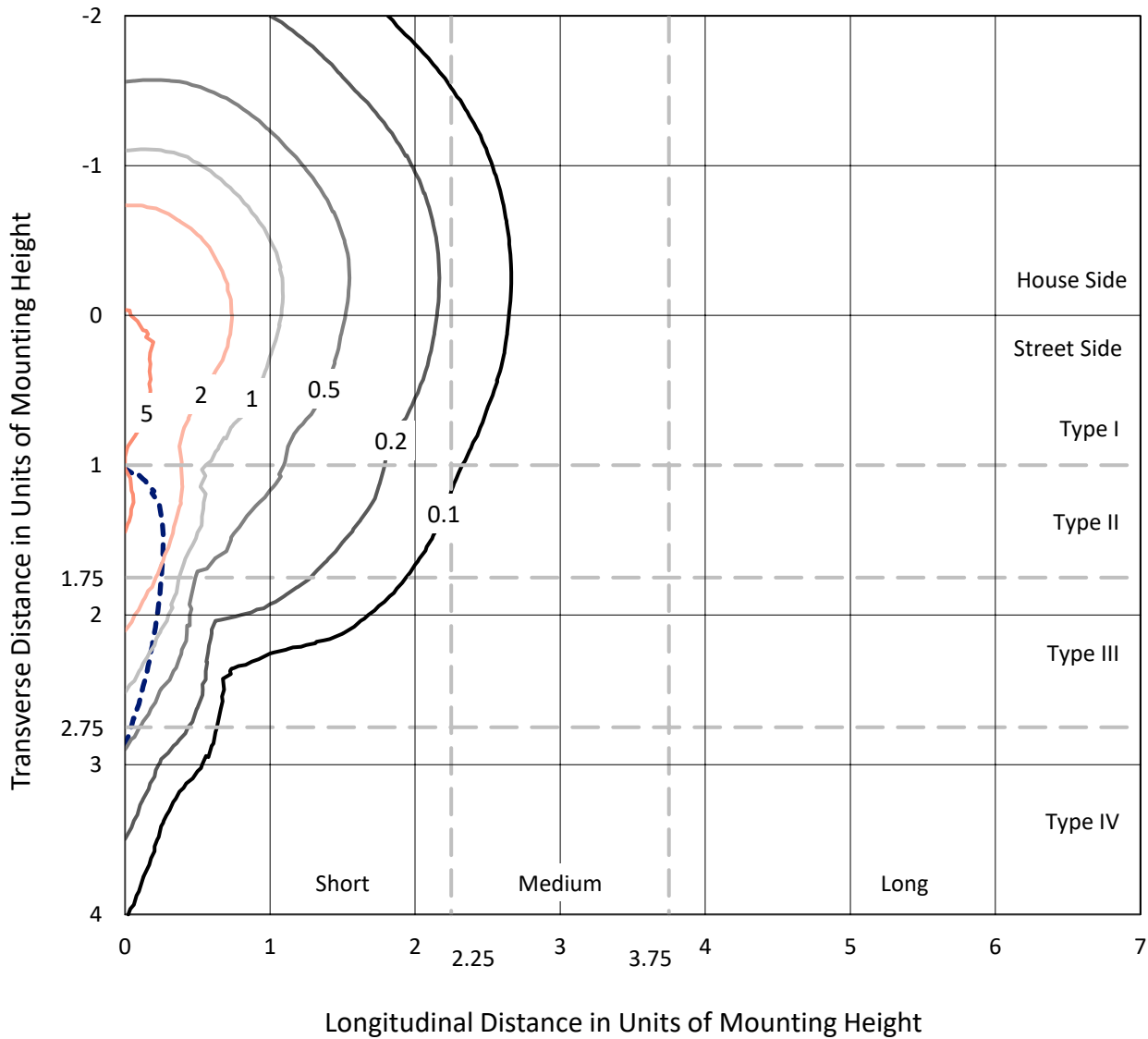


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Iso-Footcandle Lines of Horizontal Illumination

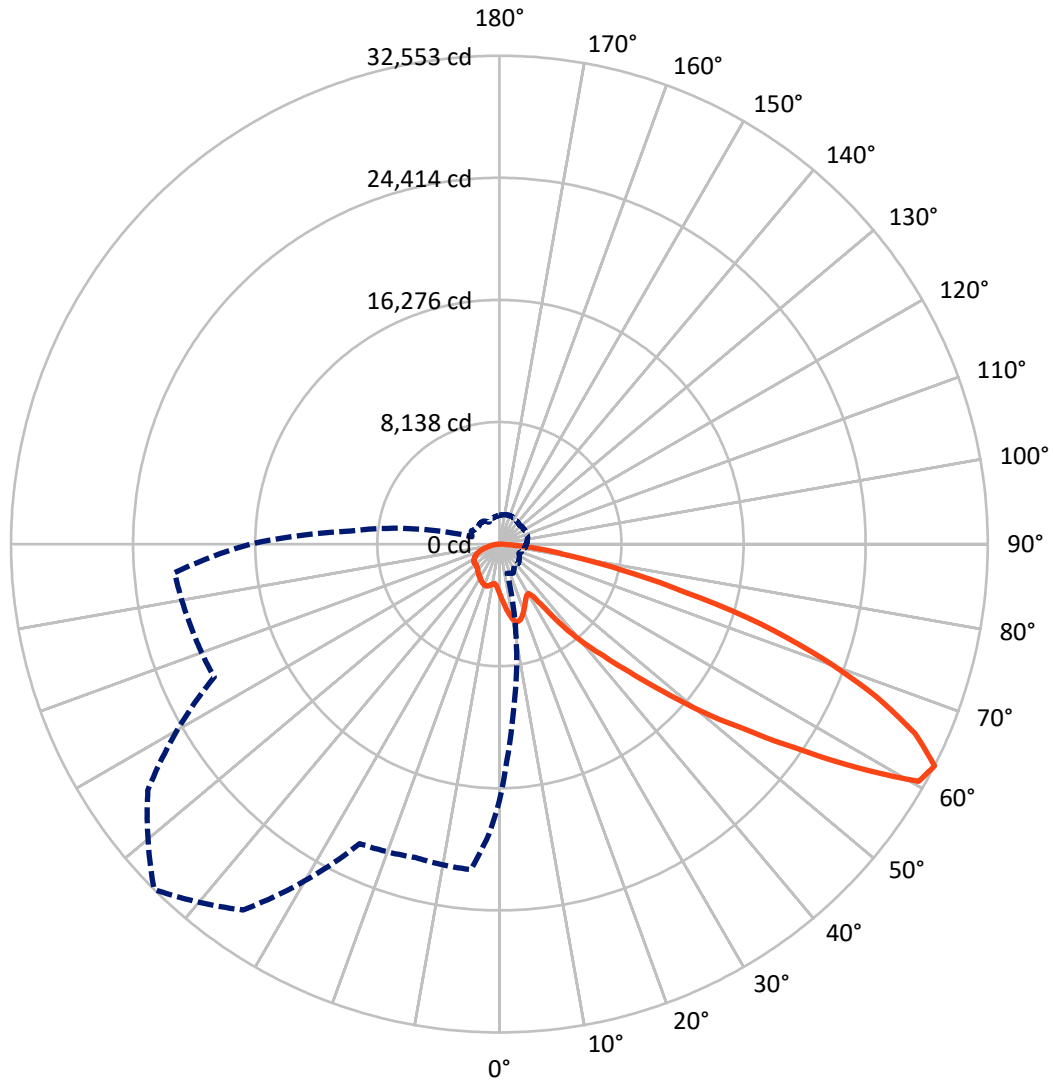
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6376.9	0.0	6376.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	20293.4	0.0	20293.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	26670.3	0.0	26670.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.6	1.2
10°-20°	1064.7	4.0
20°-30°	1676.0	6.3
30°-40°	2297.3	8.6
40°-50°	3584.5	13.4
50°-60°	6180.3	23.2
60°-70°	7162.2	26.9
70°-80°	3780.6	14.2
80°-90°	597.2	2.2
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°	26670.3	100.0
0°-180°	26670.3	100.0

Coefficient of Utilization



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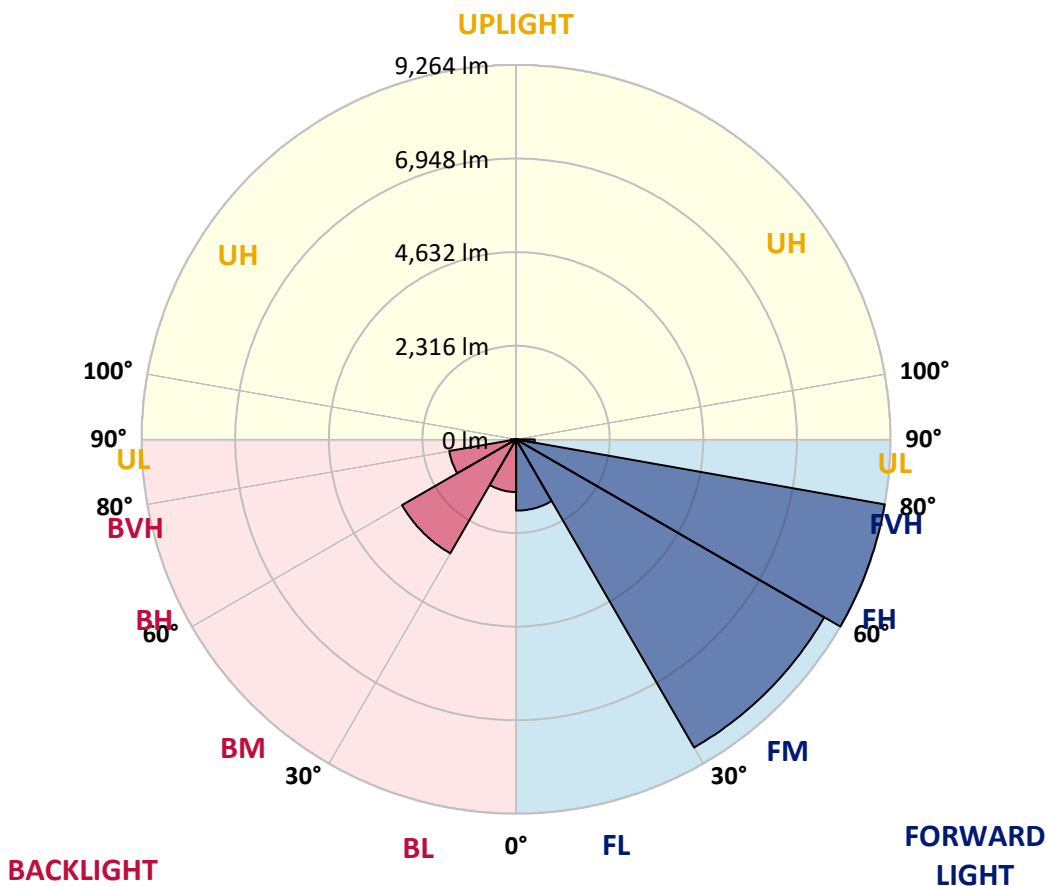
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.9	6.6			
FM (30°-60°)	8804.8	33.0			
FH (60°-80°)	9263.7	34.7			G4/12000
FVH (80°-90°)	461.0	1.7			G3/500
BL (0°-30°)	1304.3	4.9	B3/2500		
BM (30°-60°)	3257.3	12.2	B3/5000		
BH (60°-80°)	1679.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	136.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2
2.5°	3612.9	3598.6	3578.2	3508.8	3466.0	3417.0	3366.0	3306.9	3239.6	3192.6	3145.7
5°	3918.9	3896.4	3847.5	3682.2	3568.0	3443.6	3339.5	3221.2	3104.9	3025.4	2945.8
7.5°	4212.6	4184.1	4108.6	3855.6	3670.0	3490.5	3333.4	3162.0	2988.6	2870.3	2776.5
10°	4506.4	4447.2	4351.4	4020.9	3776.1	3568.0	3388.5	3178.4	2947.8	2786.7	2686.7
12.5°	4730.8	4675.7	4571.7	4171.8	3882.2	3621.0	3419.1	3225.3	3029.4	2858.1	2756.1
15°	4940.9	4869.5	4751.2	4312.6	3969.9	3619.0	3357.9	3188.6	3160.0	3117.2	2984.6
17.5°	5091.9	5026.6	4904.2	4426.8	4018.8	3555.8	3188.6	3088.6	3217.1	3347.7	3221.2
20°	5224.5	5149.0	5024.6	4506.4	4029.0	3415.0	2982.5	2984.6	3186.5	3366.0	3335.4
22.5°	5336.7	5253.1	5142.9	4596.2	4025.0	3219.2	2803.0	2925.4	3127.4	3268.1	3272.2
25°	5475.4	5406.1	5314.3	4728.8	4025.0	3019.2	2672.4	2854.0	3027.4	3145.7	3141.6
27.5°	5644.7	5597.8	5522.3	4930.7	4061.7	2851.9	2599.0	2762.2	2898.9	3000.9	2998.8
30°	5834.5	5791.6	5734.5	5144.9	4124.9	2727.5	2558.2	2647.9	2747.9	2829.5	2829.5
32.5°	6028.3	6011.9	5950.7	5316.3	4076.0	2688.7	2523.5	2533.7	2586.7	2654.1	2647.9
35°	6297.5	6281.2	6203.7	5448.9	3863.8	2633.7	2468.4	2417.4	2423.5	2466.4	2480.7
37.5°	6691.3	6666.8	6552.5	5603.9	3543.5	2494.9	2378.7	2295.0	2276.7	2295.0	2321.5
40°	7166.6	7129.9	6974.8	5814.1	3174.3	2307.3	2237.9	2168.5	2137.9	2144.1	2174.7
42.5°	7762.3	7684.8	7462.4	6036.4	2809.1	2142.0	2080.8	2038.0	2003.3	1999.2	2058.4
45°	8729.2	8517.1	8164.2	6234.3	2501.1	2054.3	1940.1	1909.5	1880.9	1897.2	1966.6
47.5°	10418.4	10026.7	9339.2	6403.6	2313.4	2056.3	1827.9	1795.2	1793.2	1825.8	1903.3
50°	12739.9	12174.8	11114.0	6517.9	2215.5	2080.8	1760.5	1707.5	1746.3	1778.9	1852.3
52.5°	14963.6	14100.6	12837.9	6515.8	2172.6	2084.9	1778.9	1625.9	1746.3	1754.4	1823.8
55°	16862.8	15300.2	13303.0	5846.7	2111.4	2068.6	1850.3	1562.7	1723.8	1754.4	1809.5
57.5°	18372.4	16063.1	13268.3	4722.6	2297.1	1978.8	1893.1	1548.4	1658.5	1758.5	1821.7
60°	18205.1	15714.3	12413.5	2898.9	2278.7	1819.7	1887.0	1574.9	1548.4	1703.4	1807.5
62.5°	17093.3	14463.7	10942.7	2011.5	2140.0	1727.9	1787.1	1621.8	1446.4	1623.9	1738.1
65°	15536.8	12850.1	9118.9	1542.3	1772.8	1732.0	1617.7	1589.2	1356.6	1497.4	1619.8
67.5°	13478.4	10848.8	7199.2	1222.0	1236.3	1499.4	1468.8	1411.7	1273.0	1385.2	1495.3
70°	10132.8	7917.3	4953.2	983.3	936.4	1252.6	1319.9	1268.9	1191.4	1224.0	1340.3
72.5°	7140.1	5169.4	2713.2	779.3	722.2	962.9	1146.5	1138.3	1052.7	1077.1	1191.4
75°	5306.1	3657.8	1695.3	616.1	587.5	689.5	960.8	985.3	913.9	942.5	1030.2
77.5°	3531.3	2368.5	942.5	457.0	457.0	503.9	716.0	830.3	777.2	799.7	860.9
80°	1948.2	1205.7	471.2	299.9	308.0	346.8	522.2	597.7	599.8	654.8	671.2
82.5°	616.1	383.5	210.1	175.4	165.2	197.9	336.6	428.4	399.8	510.0	469.2
85°	140.8	89.8	38.8	38.8	42.8	65.3	128.5	228.5	291.7	350.9	255.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	89.8	132.6	118.3
90°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2
2.5°	3117.2	3076.4	3064.1	3029.4	3025.4	2992.7	2980.5	2980.5	2994.8	2994.8	3009.0
5°	2913.1	2862.1	2833.6	2792.8	2782.6	2758.1	2741.8	2743.8	2762.2	2774.4	2798.9
7.5°	2733.6	2698.9	2678.5	2660.2	2656.1	2652.0	2633.7	2631.6	2637.7	2656.1	2674.5
10°	2658.1	2633.7	2639.8	2654.1	2676.5	2688.7	2672.4	2664.3	2658.1	2670.4	2686.7
12.5°	2731.6	2707.1	2719.3	2743.8	2774.4	2786.7	2780.5	2778.5	2784.6	2831.5	2866.2
15°	2892.7	2845.8	2829.5	2839.7	2864.2	2876.4	2870.3	2878.5	2917.2	3039.6	3127.4
17.5°	3092.7	2978.4	2913.1	2894.8	2905.0	2915.2	2915.2	2935.6	3002.9	3182.4	3292.6
20°	3200.8	3051.9	2941.7	2896.8	2900.9	2911.1	2911.1	2939.7	3015.2	3206.9	3278.3
22.5°	3172.2	3035.6	2900.9	2851.9	2854.0	2862.1	2862.1	2886.6	2954.0	3123.3	3155.9
25°	3060.0	2939.7	2807.1	2764.2	2768.3	2782.6	2778.5	2792.8	2843.8	2982.5	3000.9
27.5°	2925.4	2819.3	2688.7	2656.1	2674.5	2703.0	2678.5	2680.6	2727.5	2843.8	2845.8
30°	2780.5	2692.8	2576.5	2552.1	2586.7	2601.0	2578.6	2578.6	2625.5	2705.1	2703.0
32.5°	2623.5	2568.4	2484.7	2458.2	2497.0	2519.4	2490.9	2494.9	2531.7	2584.7	2564.3
35°	2476.6	2448.0	2409.3	2390.9	2415.4	2435.8	2417.4	2425.6	2460.3	2474.5	2446.0
37.5°	2335.8	2331.7	2335.8	2335.8	2341.9	2348.1	2335.8	2356.2	2386.8	2368.5	2335.8
40°	2213.4	2229.7	2268.5	2258.3	2252.2	2258.3	2250.1	2284.8	2315.4	2282.8	2244.0
42.5°	2111.4	2142.0	2201.2	2201.2	2188.9	2193.0	2188.9	2231.8	2254.2	2209.3	2166.5
45°	2023.7	2068.6	2144.1	2154.3	2133.9	2133.9	2142.0	2195.1	2203.2	2142.0	2097.1
47.5°	1962.5	2017.6	2103.3	2121.6	2091.0	2089.0	2111.4	2168.5	2168.5	2097.1	2046.1
50°	1919.7	1980.9	2082.9	2107.3	2076.7	2068.6	2105.3	2160.4	2148.1	2062.5	2011.5
52.5°	1891.1	1954.3	2080.8	2115.5	2095.1	2086.9	2123.7	2162.4	2131.8	2040.0	1987.0
55°	1872.7	1942.1	2086.9	2115.5	2093.1	2078.8	2115.5	2150.2	2133.9	2027.8	1976.8
57.5°	1882.9	1952.3	2078.8	2093.1	2066.5	2042.1	2084.9	2133.9	2127.7	2031.9	1980.9
60°	1866.6	1929.9	2033.9	2038.0	1993.1	1954.3	2017.6	2091.0	2091.0	2017.6	1972.7
62.5°	1791.1	1854.4	1946.2	1950.3	1899.3	1856.4	1929.9	2017.6	2015.5	1956.4	1909.5
65°	1666.7	1725.9	1829.9	1840.1	1789.1	1744.2	1819.7	1901.3	1907.4	1854.4	1813.6
67.5°	1530.0	1583.1	1660.6	1701.4	1658.5	1611.6	1681.0	1758.5	1756.5	1693.2	1650.4
70°	1366.8	1415.8	1487.2	1521.9	1495.3	1450.5	1513.7	1554.5	1536.1	1505.5	1477.0
72.5°	1205.7	1252.6	1319.9	1319.9	1291.3	1248.5	1266.9	1340.3	1362.7	1340.3	1321.9
75°	1036.3	1077.1	1124.1	1134.3	1071.0	993.5	1079.2	1142.4	1168.9	1158.7	1136.3
77.5°	862.9	893.5	962.9	944.5	826.2	785.4	854.8	948.6	967.0	960.8	930.2
80°	665.0	683.4	756.8	720.1	628.3	601.8	632.4	705.8	709.9	689.5	650.8
82.5°	446.8	471.2	520.2	448.8	446.8	422.3	397.8	406.0	442.7	438.6	412.1
85°	228.5	240.7	287.6	269.3	230.5	199.9	189.7	202.0	181.6	165.2	142.8
87.5°	95.9	104.0	142.8	79.6	24.5	0.0	0.0	12.2	18.4	26.5	28.6
90°	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2
2.5°	3041.7	3064.1	3119.2	3188.6	3255.9	3325.2	3400.7	3447.6	3504.8	3578.2	3580.2
5°	2829.5	2880.5	2960.1	3066.2	3176.3	3302.8	3449.7	3572.1	3719.0	3835.2	3882.2
7.5°	2698.9	2772.4	2872.3	3007.0	3151.8	3308.9	3500.7	3706.7	3947.4	4102.5	4194.3
10°	2711.2	2823.4	2923.4	3037.6	3168.2	3337.5	3584.3	3857.7	4153.5	4357.5	4471.7
12.5°	2929.5	3047.8	3029.4	3023.3	3111.0	3317.1	3651.6	4010.7	4371.8	4575.8	4712.4
15°	3204.9	3249.8	3076.4	2945.8	2998.8	3243.6	3688.4	4147.4	4553.3	4802.2	4936.9
17.5°	3345.6	3255.9	3045.8	2849.9	2835.6	3131.4	3706.7	4286.1	4757.3	5006.2	5149.0
20°	3280.4	3149.8	2972.3	2786.7	2684.7	2978.4	3696.5	4396.2	4943.0	5220.4	5336.7
22.5°	3139.6	3025.4	2886.6	2709.1	2562.3	2811.1	3670.0	4506.4	5108.2	5387.7	5489.7
25°	2986.6	2900.9	2786.7	2631.6	2492.9	2664.3	3651.6	4653.3	5297.9	5565.2	5630.5
27.5°	2833.6	2770.3	2676.5	2556.1	2476.6	2562.3	3657.8	4845.0	5542.7	5795.7	5769.2
30°	2682.6	2627.5	2562.3	2509.2	2474.5	2537.8	3641.4	5049.1	5812.0	6046.6	5889.5
32.5°	2539.8	2488.8	2448.0	2456.2	2476.6	2548.0	3557.8	5234.7	6058.9	6258.8	6020.1
35°	2417.4	2364.4	2364.4	2392.9	2468.4	2513.3	3341.6	5379.5	6332.2	6532.1	6205.7
37.5°	2303.2	2256.3	2286.9	2333.8	2405.2	2419.5	3064.1	5520.3	6730.0	6917.7	6493.4
40°	2203.2	2156.3	2211.4	2270.5	2307.3	2301.1	2782.6	5716.1	7199.2	7393.0	6874.9
42.5°	2123.7	2080.8	2129.8	2205.3	2211.4	2217.5	2576.5	5903.8	7743.9	7990.8	7531.8
45°	2058.4	2027.8	2052.3	2127.7	2127.7	2221.6	2448.0	6060.9	8564.0	9000.6	8737.4
47.5°	2007.4	1989.0	2001.3	2025.7	2066.5	2295.0	2366.4	6181.3	10057.3	10914.1	10648.9
50°	1978.8	1960.5	1976.8	1925.8	2048.2	2331.7	2339.9	6273.1	12025.9	13368.3	13039.8
52.5°	1954.3	1948.2	1958.4	1840.1	2089.0	2307.3	2319.5	6150.7	13345.8	15783.6	16108.0
55°	1946.2	1950.3	1901.3	1776.9	2137.9	2225.7	2258.3	5275.5	13704.9	17866.5	19880.0
57.5°	1950.3	1938.0	1813.6	1783.0	2140.0	2062.5	2346.0	3763.8	13182.6	18772.3	23570.4
60°	1936.0	1874.8	1707.5	1838.1	2046.1	1870.7	2282.8	2454.1	11805.6	18076.6	23784.6
62.5°	1872.7	1783.0	1615.7	1868.7	1878.9	1756.5	2072.7	1891.1	9969.6	16587.4	21720.1
65°	1780.9	1660.6	1538.2	1805.4	1709.5	1703.4	1558.6	1515.7	8017.3	14814.6	19761.7
67.5°	1630.0	1509.6	1481.1	1660.6	1538.2	1509.6	1252.6	1256.7	6397.5	12925.6	17793.1
70°	1458.6	1338.3	1360.7	1501.5	1368.9	1254.6	1013.9	1046.5	4853.2	10769.3	15139.0
72.5°	1346.4	1185.3	1187.3	1321.9	1203.6	1015.9	834.4	862.9	3080.4	8117.2	12036.1
75°	1136.3	1044.5	999.6	1071.0	1022.1	791.5	701.8	695.6	1825.8	5818.1	9012.8
77.5°	948.6	877.2	854.8	883.3	763.0	585.5	565.1	554.9	1034.3	3727.1	5905.9
80°	687.5	669.1	667.1	681.4	587.5	430.4	430.4	432.5	556.9	2023.7	3329.3
82.5°	436.6	477.4	422.3	469.2	399.8	306.0	285.6	324.4	320.3	862.9	1403.5
85°	181.6	248.9	232.6	246.8	189.7	167.3	179.5	193.8	185.6	332.5	546.7
87.5°	34.7	40.8	44.9	42.8	42.8	53.0	59.2	71.4	71.4	95.9	165.2
90°	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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2	3325.2
2.5°	3657.8	3716.9	3704.7	3731.2	3696.5	3708.8	3639.4	3621.0	3608.8	3612.9
5°	4033.1	4153.5	4175.9	4220.8	4190.2	4190.2	4067.8	3976.0	3943.4	3918.9
7.5°	4414.6	4588.0	4702.2	4714.5	4698.2	4665.5	4488.0	4322.8	4263.6	4212.6
10°	4753.2	4961.3	5089.9	5151.1	5120.5	5069.5	4849.1	4622.7	4551.3	4506.4
12.5°	5012.3	5195.9	5281.6	5322.4	5318.3	5300.0	5120.5	4875.7	4800.2	4730.8
15°	5179.6	5271.4	5238.8	5236.7	5265.3	5338.7	5283.7	5091.9	5004.2	4940.9
17.5°	5287.7	5200.0	5055.2	4987.9	5049.1	5222.5	5348.9	5240.8	5161.3	5091.9
20°	5326.5	5014.4	4804.2	4679.8	4751.2	5002.1	5314.3	5348.9	5281.6	5224.5
22.5°	5281.6	4787.9	4502.3	4355.4	4424.8	4724.7	5212.3	5436.7	5391.8	5336.7
25°	5171.5	4551.3	4208.6	4076.0	4151.4	4457.4	5030.7	5518.3	5520.3	5475.4
27.5°	5034.8	4333.0	4002.5	3878.1	3951.5	4237.1	4853.2	5589.7	5661.1	5644.7
30°	4896.1	4202.4	3904.6	3816.9	3872.0	4124.9	4671.6	5663.1	5805.9	5834.5
32.5°	4832.8	4265.7	4135.1	4173.9	4102.5	4190.2	4606.4	5767.1	5981.3	6028.3
35°	4916.5	4826.7	5157.2	5310.2	5057.2	4724.7	4690.0	5924.2	6228.2	6297.5
37.5°	5322.4	6028.3	6521.9	7060.5	6621.9	5889.5	5104.1	6191.5	6581.1	6691.3
40°	6205.7	7076.8	7968.3	8664.0	8001.0	7015.6	5891.6	6589.3	7066.6	7166.6
42.5°	7038.1	8060.1	9288.2	10187.9	9327.0	7935.7	6740.2	7258.4	7707.2	7762.3
45°	7854.1	9025.1	10885.6	12136.1	10967.2	8810.9	7607.2	8388.6	8727.2	8729.2
47.5°	8810.9	10112.4	12888.9	14669.8	13143.9	9779.9	8421.2	10177.7	10648.9	10418.4
50°	9955.3	11193.6	14951.3	17617.6	15797.9	10971.2	9455.5	12358.4	13001.1	12739.9
52.5°	11487.4	12385.0	17223.9	20492.0	18690.7	12327.8	10954.9	15239.0	15451.1	14963.6
55°	13643.7	14104.7	20141.1	24041.6	21920.0	13998.6	13147.9	18853.9	18260.2	16862.8
57.5°	18554.0	16826.1	23886.6	28091.1	25573.7	17034.2	17954.2	22840.1	20728.7	18372.4
60°	22662.6	20130.9	27352.6	32109.9	28705.1	20379.8	22466.8	23533.7	20636.9	18205.1
62.5°	21277.4	20973.5	28603.1	32552.6	29774.1	22026.1	21628.3	21785.4	19290.4	17093.3
65°	18668.2	19347.6	27487.2	30453.4	28588.9	20551.2	19563.8	20169.7	17750.2	15536.8
67.5°	17128.0	17627.8	25502.3	27093.5	26434.6	18955.9	17958.3	17519.7	15359.3	13478.4
70°	15553.1	15967.2	22715.6	22876.8	23074.7	16303.8	14684.1	13378.5	11448.6	10132.8
72.5°	13439.7	13462.1	19192.5	18258.2	18633.6	12758.3	11819.9	10002.2	8333.5	7140.1
75°	11275.2	10659.1	15192.0	12762.4	13515.1	9924.7	9814.5	7537.9	6285.3	5306.1
77.5°	8596.6	7876.5	11097.7	8392.6	9492.2	6609.7	7378.8	5112.3	4422.8	3531.3
80°	5771.2	5322.4	6132.3	4736.9	6209.8	4555.4	4812.4	2896.8	2511.3	1948.2
82.5°	3043.7	2599.0	3790.4	2809.1	3745.5	2503.1	1805.4	895.6	763.0	616.1
85°	1179.1	1364.8	1858.5	999.6	1452.5	893.5	522.2	222.4	185.6	140.8
87.5°	228.5	352.9	193.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)