

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: P640297

Luminaire Tested: GWS-SA5D-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640297
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-SA5D-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28800.7 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

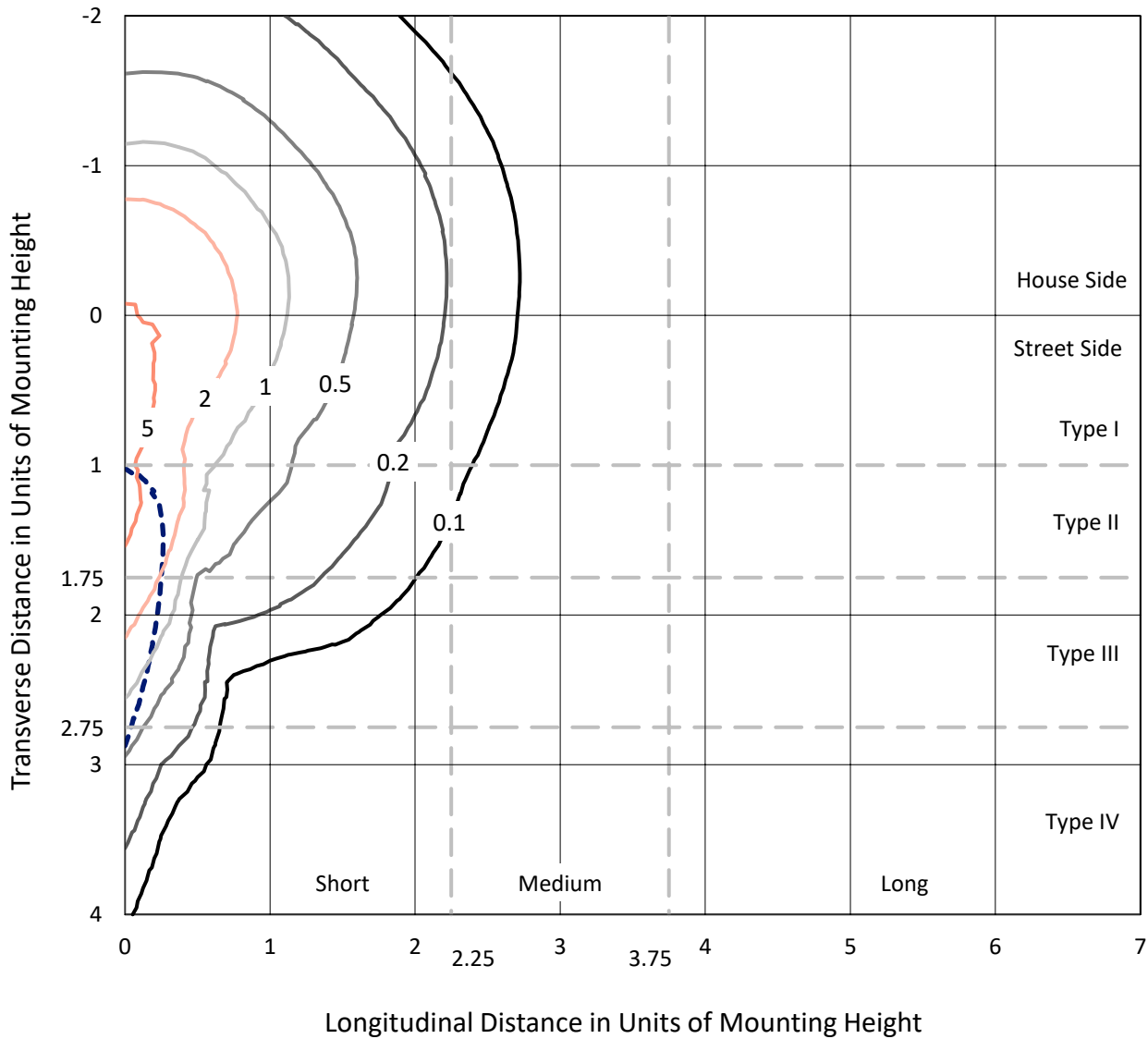
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

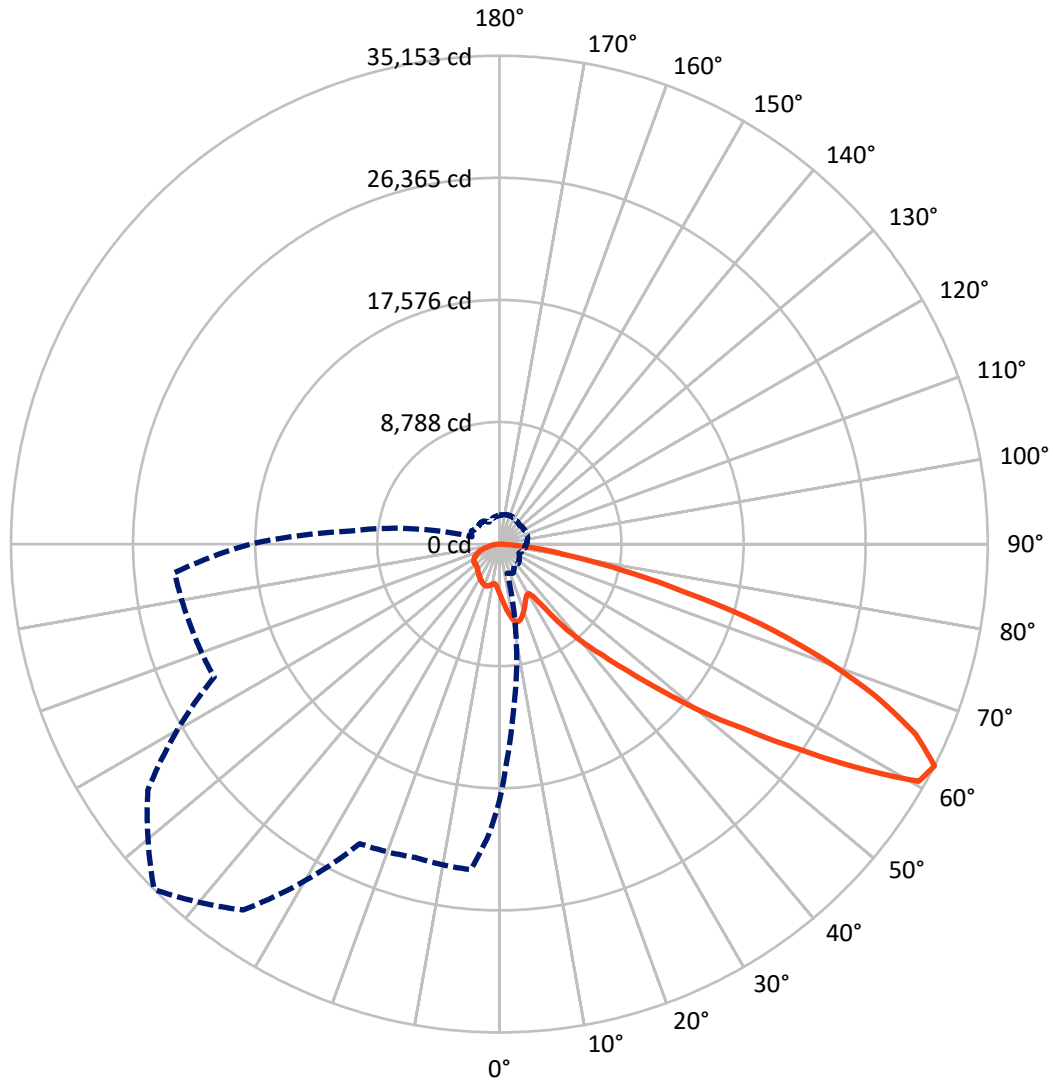
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	6886.3	0.0	6886.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	21914.4	0.0	21914.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	28800.7	0.0	28800.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	1.2
10°-20°	1149.7	4.0
20°-30°	1809.9	6.3
30°-40°	2480.8	8.6
40°-50°	3870.8	13.4
50°-60°	6674.0	23.2
60°-70°	7734.3	26.9
70°-80°	4082.5	14.2
80°-90°	644.9	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°	28800.7	100.0
0°-180°	28800.7	100.0

Coefficient of Utilization



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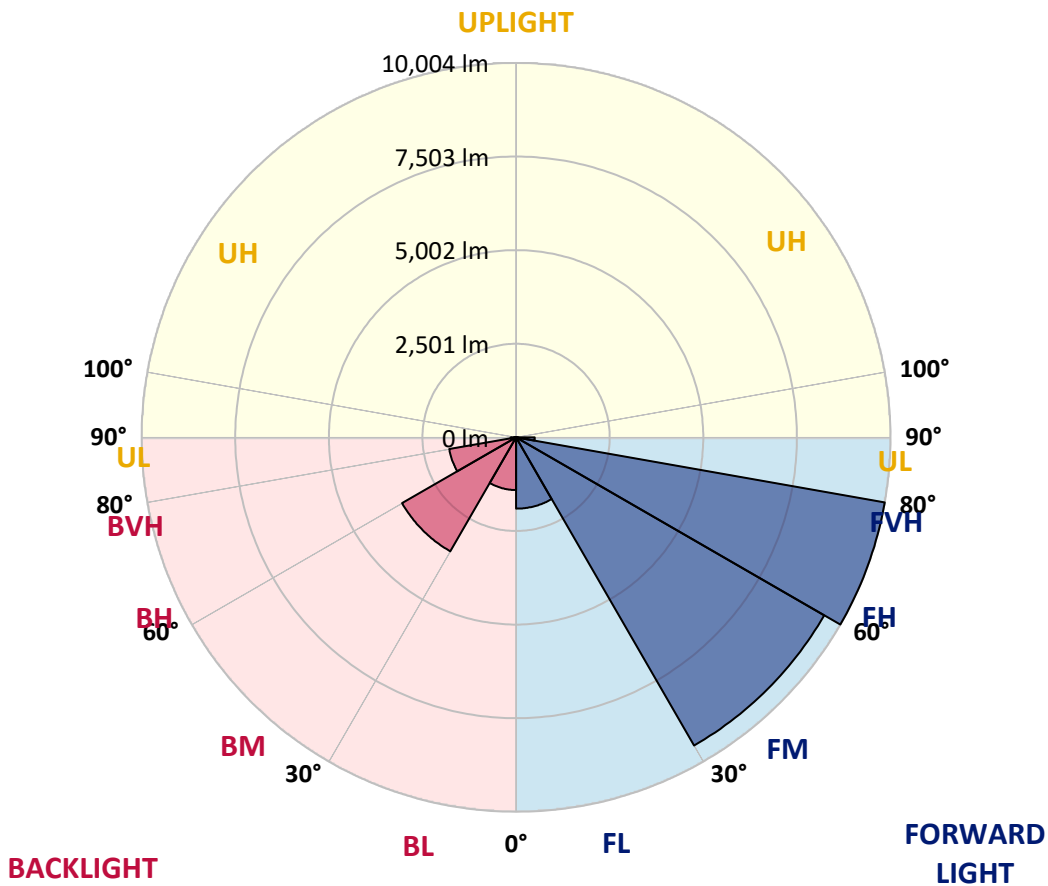
CATALOG NUMBER: GWS-SA5D-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.8	6.6			
FM (30°-60°)	9508.1	33.0			
FH (60°-80°)	10003.7	34.7			G4/12000
FVH (80°-90°)	497.8	1.7			G3/500
BL (0°-30°)	1408.5	4.9	B3/2500		
BM (30°-60°)	3517.5	12.2	B3/5000		
BH (60°-80°)	1813.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	147.1	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°	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9
2.5°	3901.5	3886.0	3864.0	3789.1	3742.9	3690.0	3634.9	3571.0	3498.3	3447.7	3397.0
5°	4231.9	4207.7	4154.8	3976.4	3853.0	3718.6	3606.3	3478.5	3352.9	3267.0	3181.1
7.5°	4549.1	4518.3	4436.8	4163.6	3963.2	3769.3	3599.7	3414.6	3227.4	3099.6	2998.3
10°	4866.4	4802.5	4698.9	4342.1	4077.7	3853.0	3659.1	3432.2	3183.3	3009.3	2901.3
12.5°	5108.7	5049.2	4936.9	4505.1	4192.3	3910.3	3692.2	3482.9	3271.4	3086.4	2976.2
15°	5335.6	5258.5	5130.7	4657.1	4287.0	3908.1	3626.1	3443.3	3412.4	3366.1	3223.0
17.5°	5498.6	5428.1	5296.0	4780.5	4339.9	3839.8	3443.3	3335.3	3474.1	3615.1	3478.5
20°	5641.8	5560.3	5425.9	4866.4	4350.9	3687.8	3220.8	3223.0	3441.0	3634.9	3601.9
22.5°	5763.0	5672.7	5553.7	4963.3	4346.5	3476.3	3026.9	3159.1	3377.2	3529.2	3533.6
25°	5912.8	5837.9	5738.8	5106.5	4346.5	3260.4	2885.9	3082.0	3269.2	3397.0	3392.6
27.5°	6095.6	6045.0	5963.5	5324.6	4386.1	3079.8	2806.6	2982.8	3130.4	3240.6	3238.4
30°	6300.5	6254.2	6192.6	5555.9	4454.4	2945.4	2762.5	2859.5	2967.4	3055.5	3055.5
32.5°	6509.8	6492.2	6426.1	5741.0	4401.5	2903.5	2725.1	2736.1	2793.4	2866.1	2859.5
35°	6800.6	6783.0	6699.3	5884.1	4172.4	2844.0	2665.6	2610.5	2617.1	2663.4	2678.8
37.5°	7225.8	7199.3	7076.0	6051.6	3826.6	2694.2	2568.7	2478.3	2458.5	2478.3	2507.0
40°	7739.1	7699.4	7532.0	6278.5	3427.8	2491.6	2416.7	2341.8	2308.7	2315.3	2348.4
42.5°	8382.3	8298.6	8058.5	6518.6	3033.5	2313.1	2247.0	2200.8	2163.3	2158.9	2222.8
45°	9426.5	9197.4	8816.3	6732.3	2700.8	2218.4	2095.0	2062.0	2031.1	2048.8	2123.7
47.5°	11250.6	10827.6	10085.2	6915.1	2498.2	2220.6	1973.9	1938.6	1936.4	1971.7	2055.4
50°	13757.6	13147.4	12001.8	7038.5	2392.4	2247.0	1901.2	1843.9	1885.7	1921.0	2000.3
52.5°	16158.8	15227.0	13863.3	7036.3	2346.2	2251.4	1921.0	1755.8	1885.7	1894.6	1969.5
55°	18209.8	16522.3	14365.6	6313.7	2280.1	2233.8	1998.1	1687.5	1861.5	1894.6	1954.0
57.5°	19840.0	17346.2	14328.2	5099.9	2480.6	2136.9	2044.4	1672.1	1791.0	1899.0	1967.3
60°	19659.4	16969.5	13405.1	3130.4	2460.7	1965.1	2037.8	1700.7	1672.1	1839.5	1951.8
62.5°	18458.7	15619.1	11816.8	2172.1	2310.9	1865.9	1929.8	1751.4	1561.9	1753.6	1876.9
65°	16777.9	13876.5	9847.3	1665.4	1914.4	1870.3	1747.0	1716.1	1465.0	1617.0	1749.2
67.5°	14555.1	11715.4	7774.3	1319.6	1335.0	1619.2	1586.1	1524.5	1374.7	1495.8	1614.8
70°	10942.2	8549.7	5348.8	1061.8	1011.2	1352.6	1425.3	1370.3	1286.5	1321.8	1447.4
72.5°	7710.4	5582.3	2930.0	841.5	779.9	1039.8	1238.1	1229.3	1136.7	1163.2	1286.5
75°	5729.9	3949.9	1830.7	665.3	634.5	744.6	1037.6	1064.0	986.9	1017.8	1112.5
77.5°	3813.4	2557.7	1017.8	493.5	493.5	544.1	773.2	896.6	839.3	863.6	929.7
80°	2103.8	1302.0	508.9	323.8	332.6	374.5	564.0	645.5	647.7	707.2	724.8
82.5°	665.3	414.2	226.9	189.5	178.4	213.7	363.5	462.6	431.8	550.7	506.7
85°	152.0	96.9	41.9	41.9	46.3	70.5	138.8	246.7	315.0	378.9	275.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	96.9	143.2	127.8
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°	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9
2.5°	3366.1	3322.1	3308.9	3271.4	3267.0	3231.8	3218.5	3218.5	3234.0	3234.0	3249.4
5°	3145.8	3090.8	3059.9	3015.9	3004.9	2978.4	2960.8	2963.0	2982.8	2996.0	3022.5
7.5°	2952.0	2914.5	2892.5	2872.7	2868.3	2863.9	2844.0	2841.8	2848.4	2868.3	2888.1
10°	2870.5	2844.0	2850.7	2866.1	2890.3	2903.5	2885.9	2877.1	2870.5	2883.7	2901.3
12.5°	2949.8	2923.3	2936.6	2963.0	2996.0	3009.3	3002.7	3000.5	3007.1	3057.7	3095.2
15°	3123.8	3073.2	3055.5	3066.5	3093.0	3106.2	3099.6	3108.4	3150.3	3282.4	3377.2
17.5°	3339.7	3216.3	3145.8	3126.0	3137.0	3148.1	3148.1	3170.1	3242.8	3436.6	3555.6
20°	3456.5	3295.7	3176.7	3128.2	3132.6	3143.6	3143.6	3174.5	3256.0	3463.1	3540.2
22.5°	3425.6	3278.0	3132.6	3079.8	3082.0	3090.8	3090.8	3117.2	3189.9	3372.8	3408.0
25°	3304.5	3174.5	3031.3	2985.0	2989.4	3004.9	3000.5	3015.9	3070.9	3220.8	3240.6
27.5°	3159.1	3044.5	2903.5	2868.3	2888.1	2918.9	2892.5	2894.7	2945.4	3070.9	3073.2
30°	3002.7	2907.9	2782.4	2755.9	2793.4	2808.8	2784.6	2784.6	2835.2	2921.1	2918.9
32.5°	2833.0	2773.5	2683.2	2654.6	2696.4	2720.7	2689.8	2694.2	2733.9	2791.2	2769.1
35°	2674.4	2643.6	2601.7	2581.9	2608.3	2630.4	2610.5	2619.3	2656.8	2672.2	2641.4
37.5°	2522.4	2518.0	2522.4	2522.4	2529.0	2535.6	2522.4	2544.4	2577.5	2557.7	2522.4
40°	2390.2	2407.9	2449.7	2438.7	2432.1	2438.7	2429.9	2467.3	2500.4	2465.1	2423.3
42.5°	2280.1	2313.1	2377.0	2377.0	2363.8	2368.2	2363.8	2410.1	2434.3	2385.8	2339.6
45°	2185.4	2233.8	2315.3	2326.3	2304.3	2304.3	2313.1	2370.4	2379.2	2313.1	2264.7
47.5°	2119.3	2178.7	2271.3	2291.1	2258.1	2255.8	2280.1	2341.8	2341.8	2264.7	2209.6
50°	2073.0	2139.1	2249.2	2275.7	2242.6	2233.8	2273.5	2333.0	2319.7	2227.2	2172.1
52.5°	2042.2	2110.5	2247.0	2284.5	2262.5	2253.6	2293.3	2335.2	2302.1	2203.0	2145.7
55°	2022.3	2097.2	2253.6	2284.5	2260.3	2244.8	2284.5	2321.9	2304.3	2189.8	2134.7
57.5°	2033.3	2108.2	2244.8	2260.3	2231.6	2205.2	2251.4	2304.3	2297.7	2194.2	2139.1
60°	2015.7	2084.0	2196.4	2200.8	2152.3	2110.5	2178.7	2258.1	2258.1	2178.7	2130.3
62.5°	1934.2	2002.5	2101.6	2106.0	2051.0	2004.7	2084.0	2178.7	2176.5	2112.7	2062.0
65°	1799.8	1863.7	1976.1	1987.1	1932.0	1883.5	1965.1	2053.2	2059.8	2002.5	1958.4
67.5°	1652.2	1709.5	1793.2	1837.3	1791.0	1740.4	1815.3	1899.0	1896.8	1828.5	1782.2
70°	1476.0	1528.9	1606.0	1643.4	1614.8	1566.3	1634.6	1678.7	1658.8	1625.8	1595.0
72.5°	1302.0	1352.6	1425.3	1425.3	1394.5	1348.2	1368.0	1447.4	1471.6	1447.4	1427.5
75°	1119.1	1163.2	1213.8	1224.9	1156.6	1072.8	1165.4	1233.7	1262.3	1251.3	1227.1
77.5°	931.9	964.9	1039.8	1020.0	892.2	848.1	923.0	1024.4	1044.2	1037.6	1004.6
80°	718.2	738.0	817.3	777.7	678.5	649.9	682.9	762.2	766.6	744.6	702.7
82.5°	482.5	508.9	561.8	484.7	482.5	456.0	429.6	438.4	478.0	473.6	445.0
85°	246.7	260.0	310.6	290.8	248.9	215.9	204.9	218.1	196.1	178.4	154.2
87.5°	103.5	112.4	154.2	85.9	26.4	0.0	0.0	13.2	19.8	28.6	30.8
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°	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9
2.5°	3284.6	3308.9	3368.4	3443.3	3515.9	3590.9	3672.4	3723.0	3784.7	3864.0	3866.2
5°	3055.5	3110.6	3196.5	3311.1	3430.0	3566.6	3725.2	3857.4	4016.0	4141.6	4192.3
7.5°	2914.5	2993.8	3101.8	3247.2	3403.6	3573.2	3780.3	4002.8	4262.8	4430.2	4529.3
10°	2927.8	3048.9	3156.9	3280.2	3421.2	3604.1	3870.6	4165.8	4485.3	4705.6	4828.9
12.5°	3163.5	3291.2	3271.4	3264.8	3359.5	3582.0	3943.3	4331.1	4721.0	4941.3	5088.9
15°	3460.9	3509.3	3322.1	3181.1	3238.4	3502.7	3983.0	4478.7	4917.0	5185.8	5331.2
17.5°	3612.9	3515.9	3289.0	3077.6	3062.1	3381.6	4002.8	4628.5	5137.3	5406.1	5560.3
20°	3542.4	3401.4	3209.7	3009.3	2899.1	3216.3	3991.8	4747.4	5337.8	5637.4	5763.0
22.5°	3390.4	3267.0	3117.2	2925.6	2766.9	3035.7	3963.2	4866.4	5516.3	5818.1	5928.2
25°	3225.2	3132.6	3009.3	2841.8	2692.0	2877.1	3943.3	5025.0	5721.1	6009.7	6080.2
27.5°	3059.9	2991.6	2890.3	2760.3	2674.4	2766.9	3949.9	5232.1	5985.5	6258.7	6230.0
30°	2896.9	2837.4	2766.9	2709.7	2672.2	2740.5	3932.3	5452.4	6276.3	6529.6	6360.0
32.5°	2742.7	2687.6	2643.6	2652.4	2674.4	2751.5	3842.0	5652.8	6542.8	6758.7	6501.0
35°	2610.5	2553.2	2553.2	2584.1	2665.6	2714.1	3608.5	5809.2	6838.0	7053.9	6701.5
37.5°	2487.2	2436.5	2469.5	2520.2	2597.3	2612.7	3308.9	5961.3	7267.6	7470.3	7012.1
40°	2379.2	2328.5	2388.0	2451.9	2491.6	2485.0	3004.9	6172.7	7774.3	7983.6	7424.0
42.5°	2293.3	2247.0	2299.9	2381.4	2388.0	2394.6	2782.4	6375.4	8362.5	8629.1	8133.4
45°	2222.8	2189.8	2216.2	2297.7	2297.7	2399.0	2643.6	6545.0	9248.1	9719.5	9435.3
47.5°	2167.7	2147.9	2161.1	2187.6	2231.6	2478.3	2555.5	6675.0	10860.7	11785.9	11499.5
50°	2136.9	2117.1	2134.7	2079.6	2211.8	2518.0	2526.8	6774.2	12986.5	14436.1	14081.4
52.5°	2110.5	2103.8	2114.9	1987.1	2255.8	2491.6	2504.8	6642.0	14411.9	17044.4	17394.7
55°	2101.6	2106.0	2053.2	1918.8	2308.7	2403.4	2438.7	5696.9	14799.6	19293.7	21468.0
57.5°	2106.0	2092.8	1958.4	1925.4	2310.9	2227.2	2533.4	4064.5	14235.6	20271.8	25453.2
60°	2090.6	2024.5	1843.9	1984.9	2209.6	2020.1	2465.1	2650.2	12748.6	19520.6	25684.5
62.5°	2022.3	1925.4	1744.8	2017.9	2028.9	1896.8	2238.2	2042.2	10765.9	17912.4	23455.1
65°	1923.2	1793.2	1661.0	1949.6	1846.1	1839.5	1683.1	1636.8	8657.7	15998.0	21340.2
67.5°	1760.2	1630.2	1599.4	1793.2	1661.0	1630.2	1352.6	1357.0	6908.5	13958.1	19214.4
70°	1575.1	1445.2	1469.4	1621.4	1478.2	1354.8	1094.9	1130.1	5240.9	11629.5	16348.3
72.5°	1454.0	1279.9	1282.1	1427.5	1299.8	1097.1	901.0	931.9	3326.5	8765.6	12997.6
75°	1227.1	1127.9	1079.5	1156.6	1103.7	854.8	757.8	751.2	1971.7	6282.9	9732.7
77.5°	1024.4	947.3	923.0	953.9	823.9	632.3	610.2	599.2	1116.9	4024.8	6377.6
80°	742.4	722.6	720.4	735.8	634.5	464.8	464.8	467.0	601.4	2185.4	3595.3
82.5°	471.4	515.5	456.0	506.7	431.8	330.4	308.4	350.3	345.9	931.9	1515.6
85°	196.1	268.8	251.1	266.6	204.9	180.6	193.9	209.3	200.5	359.1	590.4
87.5°	37.5	44.1	48.5	46.3	46.3	57.3	63.9	77.1	77.1	103.5	178.4
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°	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9	3590.9
2.5°	3949.9	4013.8	4000.6	4029.2	3991.8	4005.0	3930.1	3910.3	3897.1	3901.5
5°	4355.3	4485.3	4509.5	4558.0	4524.9	4524.9	4392.7	4293.6	4258.4	4231.9
7.5°	4767.2	4954.5	5077.9	5091.1	5073.5	5038.2	4846.5	4668.1	4604.2	4549.1
10°	5132.9	5357.6	5496.4	5562.5	5529.5	5474.4	5236.5	4991.9	4914.8	4866.4
12.5°	5412.7	5611.0	5703.5	5747.6	5743.2	5723.3	5529.5	5265.1	5183.6	5108.7
15°	5593.4	5692.5	5657.2	5655.0	5685.9	5765.2	5705.7	5498.6	5403.9	5335.6
17.5°	5710.1	5615.4	5459.0	5386.3	5452.4	5639.6	5776.2	5659.4	5573.5	5498.6
20°	5752.0	5414.9	5188.0	5053.6	5130.7	5401.7	5738.8	5776.2	5703.5	5641.8
22.5°	5703.5	5170.4	4862.0	4703.4	4778.3	5102.1	5628.6	5870.9	5822.5	5763.0
25°	5584.5	4914.8	4544.7	4401.5	4483.1	4813.5	5432.5	5959.1	5961.3	5912.8
27.5°	5436.9	4679.1	4322.2	4187.9	4267.2	4575.6	5240.9	6036.2	6113.3	6095.6
30°	5287.1	4538.1	4216.5	4121.8	4181.2	4454.4	5044.8	6115.5	6269.7	6300.5
32.5°	5218.9	4606.4	4465.4	4507.3	4430.2	4524.9	4974.3	6227.8	6459.1	6509.8
35°	5309.2	5212.2	5569.1	5734.3	5461.2	5102.1	5064.6	6397.4	6725.7	6800.6
37.5°	5747.6	6509.8	7042.9	7624.5	7150.9	6360.0	5511.8	6686.0	7106.8	7225.8
40°	6701.5	7642.1	8604.8	9356.0	8640.1	7576.0	6362.2	7115.6	7631.1	7739.1
42.5°	7600.3	8704.0	10030.1	11001.7	10072.0	8569.6	7278.6	7838.2	8322.8	8382.3
45°	8481.5	9746.0	11755.1	13105.5	11843.2	9514.7	8214.9	9058.6	9424.3	9426.5
47.5°	9514.7	10920.2	13918.4	15841.6	14193.8	10561.1	9093.9	10990.6	11499.5	11250.6
50°	10750.5	12087.7	16145.6	19024.9	17059.8	11847.6	10210.8	13345.6	14039.6	13757.6
52.5°	12405.0	13374.3	18599.7	22128.9	20183.7	13312.6	11830.0	16456.2	16685.3	16158.8
55°	14733.5	15231.4	21750.0	25962.1	23671.0	15116.8	14198.2	20359.9	19718.8	18209.8
57.5°	20036.1	18170.1	25794.6	30335.0	27616.5	18394.8	19388.4	24664.5	22384.4	19840.0
60°	24472.9	21739.0	29537.5	34674.8	30998.1	22007.7	24261.4	25413.5	22285.3	19659.4
62.5°	22977.0	22648.8	30887.9	35152.9	32152.4	23785.5	23356.0	23525.6	20831.3	18458.7
65°	20159.4	20893.0	29682.9	32886.0	30872.5	22192.8	21126.5	21780.8	19168.1	16777.9
67.5°	18496.2	19035.9	27539.4	29257.7	28546.2	20470.1	19392.8	18919.2	16586.2	14555.1
70°	16795.5	17242.7	24530.1	24704.2	24917.9	17606.2	15857.0	14447.1	12363.1	10942.2
72.5°	14513.2	14537.4	20725.6	19716.6	20122.0	13777.4	12764.0	10801.2	8999.2	7710.4
75°	12175.8	11510.5	16405.6	13781.8	14594.7	10717.5	10598.5	8140.0	6787.4	5729.9
77.5°	9283.3	8505.7	11984.2	9063.0	10250.4	7137.6	7968.2	5520.7	4776.1	3813.4
80°	6232.2	5747.6	6622.1	5115.3	6705.9	4919.2	5196.8	3128.2	2711.9	2103.8
82.5°	3286.8	2806.6	4093.1	3033.5	4044.7	2703.1	1949.6	967.1	823.9	665.3
85°	1273.3	1473.8	2006.9	1079.5	1568.5	964.9	564.0	240.1	200.5	152.0
87.5°	246.7	381.1	209.3	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)