

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: P642717

Luminaire Tested: GWS-SA6D-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642717
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-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33573.4 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

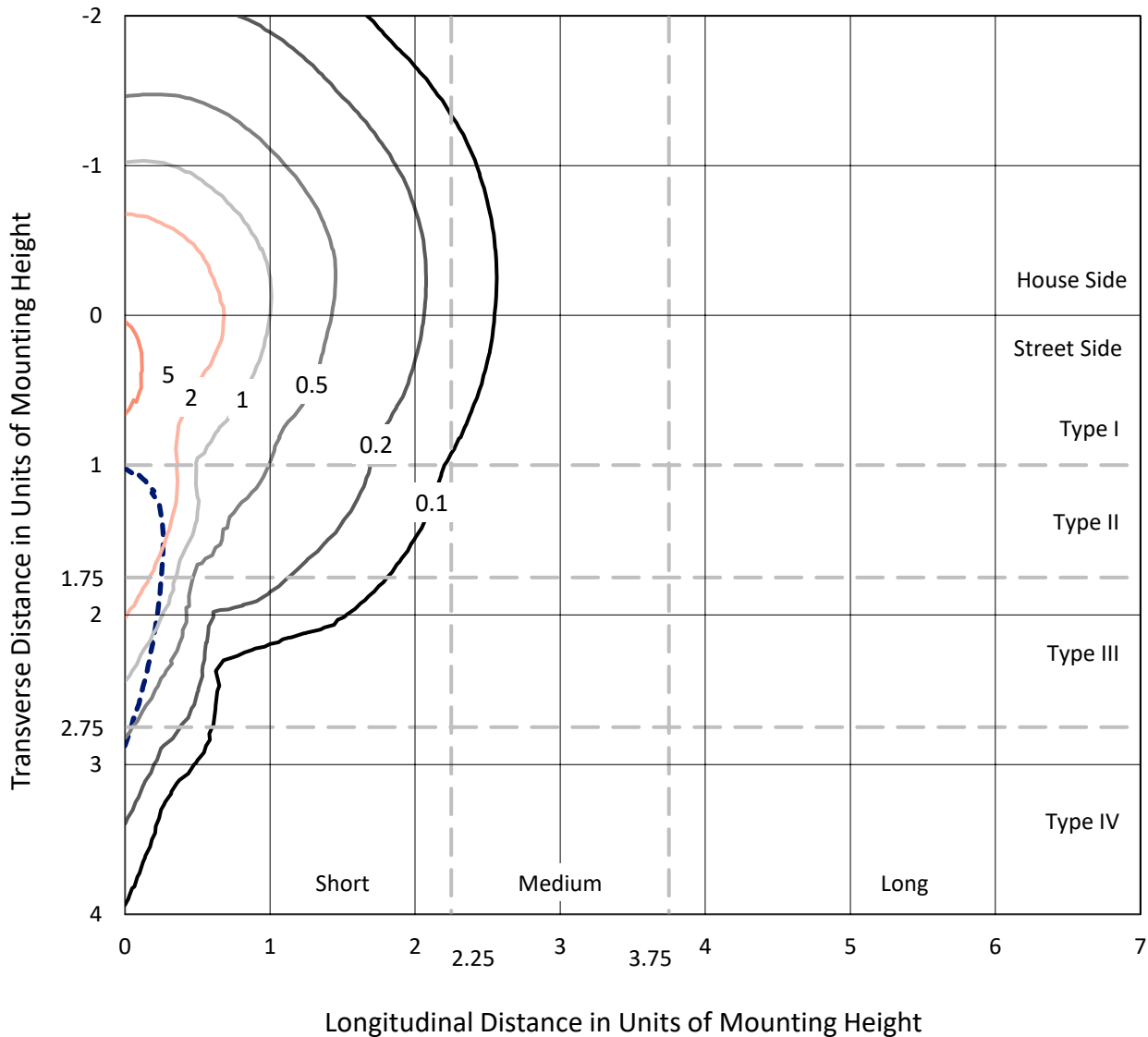
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

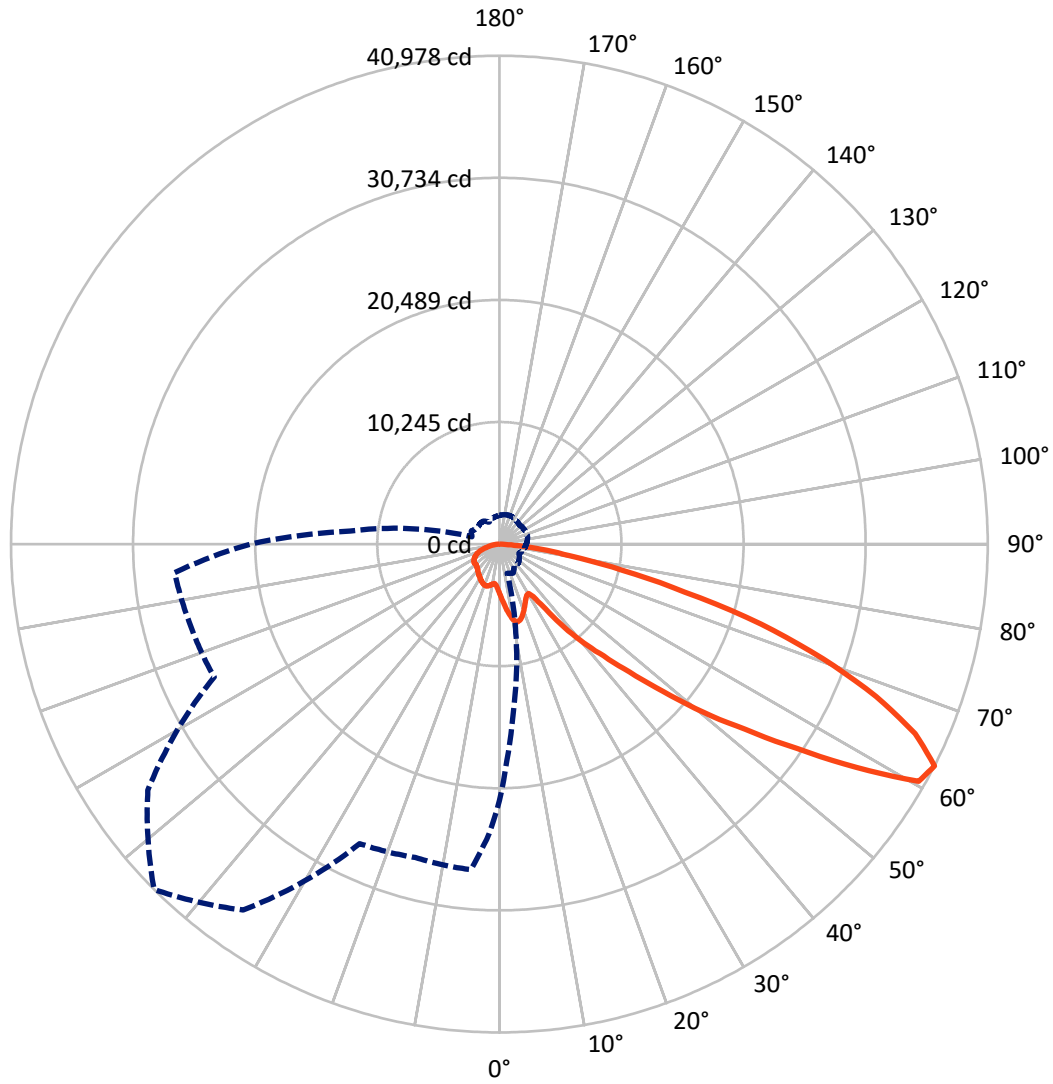
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 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	8027.4	0.0	8027.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	25545.9	0.0	25545.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	33573.4	0.0	33573.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.4	1.2
10°-20°	1340.2	4.0
20°-30°	2109.8	6.3
30°-40°	2891.9	8.6
40°-50°	4512.2	13.4
50°-60°	7780.0	23.2
60°-70°	9016.0	26.9
70°-80°	4759.1	14.2
80°-90°	751.8	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°	33573.4	100.0
0°-180°	33573.4	100.0

Coefficient of Utilization



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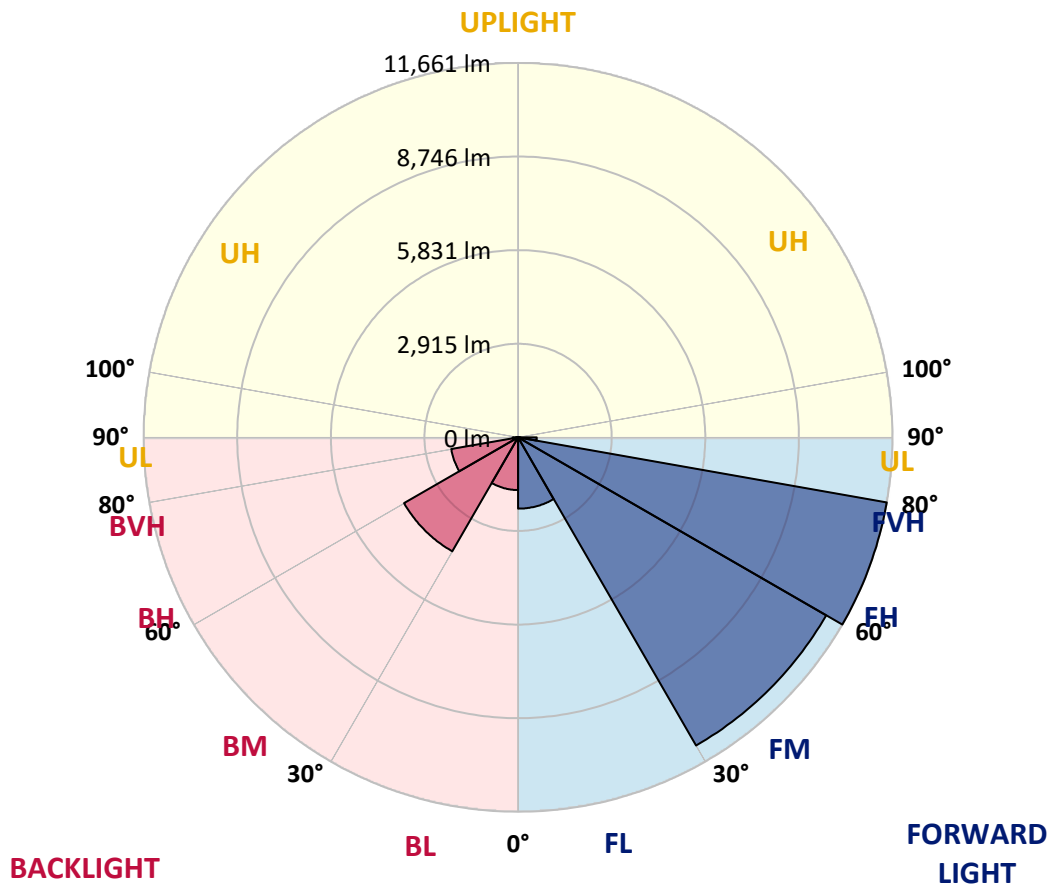
CATALOG NUMBER: GWS-SA6D-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2220.5	6.6			
FM (30°-60°)	11083.8	33.0			
FH (60°-80°)	11661.5	34.7			G4/12000
FVH (80°-90°)	580.3	1.7			G4/750
BL (0°-30°)	1641.9	4.9	B3/2500		
BM (30°-60°)	4100.4	12.2	B3/5000		
BH (60°-80°)	2113.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	171.5	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°	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9
2.5°	4548.0	4530.0	4504.3	4417.0	4363.1	4301.5	4237.3	4162.8	4078.1	4019.0	3959.9
5°	4933.2	4905.0	4843.3	4635.3	4491.5	4334.9	4203.9	4054.9	3908.6	3808.4	3708.3
7.5°	5303.0	5267.1	5172.0	4853.6	4619.9	4393.9	4196.2	3980.5	3762.2	3613.2	3495.1
10°	5672.8	5598.3	5477.6	5061.6	4753.4	4491.5	4265.5	4001.0	3710.8	3507.9	3382.1
12.5°	5955.3	5886.0	5755.0	5251.6	4887.0	4558.3	4304.0	4060.1	3813.5	3597.8	3469.4
15°	6219.8	6129.9	5981.0	5428.8	4997.4	4555.7	4227.0	4013.8	3977.9	3924.0	3757.0
17.5°	6409.8	6327.7	6173.6	5572.7	5059.0	4476.1	4013.8	3888.0	4049.8	4214.2	4054.9
20°	6576.8	6481.7	6325.1	5672.8	5071.9	4298.9	3754.5	3757.0	4011.3	4237.3	4198.7
22.5°	6718.0	6612.7	6474.0	5785.8	5066.7	4052.4	3528.5	3682.6	3936.8	4114.0	4119.1
25°	6892.6	6805.3	6689.7	5952.7	5066.7	3800.7	3364.1	3592.7	3811.0	3959.9	3954.8
27.5°	7105.8	7046.7	6951.7	6207.0	5113.0	3590.1	3271.7	3477.1	3649.2	3777.6	3775.0
30°	7344.6	7290.7	7218.8	6476.6	5192.6	3433.5	3220.3	3333.3	3459.2	3561.9	3561.9
32.5°	7588.6	7568.0	7491.0	6692.3	5130.9	3384.7	3176.7	3189.5	3256.3	3341.0	3333.3
35°	7927.5	7907.0	7809.4	6859.2	4863.9	3315.3	3107.3	3043.1	3050.8	3104.8	3122.7
37.5°	8423.2	8392.4	8248.5	7054.4	4460.7	3140.7	2994.3	2889.0	2865.9	2889.0	2922.4
40°	9021.5	8975.3	8780.1	7318.9	3995.9	2904.5	2817.1	2729.8	2691.3	2699.0	2737.5
42.5°	9771.4	9673.8	9393.9	7598.8	3536.2	2696.4	2619.4	2565.5	2521.8	2516.7	2591.2
45°	10988.6	10721.6	10277.3	7847.9	3148.4	2586.0	2442.2	2403.7	2367.7	2388.3	2475.6
47.5°	13115.0	12621.9	11756.5	8061.1	2912.2	2588.6	2301.0	2259.9	2257.3	2298.4	2396.0
50°	16037.4	15326.1	13990.7	8204.9	2788.9	2619.4	2216.2	2149.5	2198.2	2239.3	2331.8
52.5°	18836.6	17750.3	16160.7	8202.3	2735.0	2624.5	2239.3	2046.7	2198.2	2208.5	2295.8
55°	21227.4	19260.3	16746.2	7360.0	2657.9	2604.0	2329.2	1967.1	2170.0	2208.5	2277.9
57.5°	23127.8	20220.8	16702.5	5945.0	2891.6	2491.0	2383.1	1949.1	2087.8	2213.7	2293.3
60°	22917.2	19781.6	15626.5	3649.2	2868.5	2290.7	2375.4	1982.5	1949.1	2144.3	2275.3
62.5°	21517.6	18207.4	13775.0	2532.1	2693.9	2175.1	2249.6	2041.6	1820.7	2044.2	2188.0
65°	19558.2	16176.1	11479.1	1941.4	2231.6	2180.3	2036.5	2000.5	1707.7	1884.9	2039.0
67.5°	16967.1	13656.8	9062.6	1538.3	1556.2	1887.5	1849.0	1777.1	1602.5	1743.7	1882.4
70°	12755.5	9966.6	6235.2	1237.8	1178.7	1576.8	1661.5	1597.3	1499.7	1540.8	1687.2
72.5°	8988.1	6507.4	3415.5	981.0	909.1	1212.1	1443.2	1433.0	1325.1	1355.9	1499.7
75°	6679.5	4604.5	2134.0	775.5	739.6	868.0	1209.5	1240.4	1150.5	1186.4	1296.9
77.5°	4445.3	2981.5	1186.4	575.2	575.2	634.3	901.4	1045.2	978.4	1006.7	1083.7
80°	2452.5	1517.7	593.2	377.5	387.8	436.6	657.4	752.4	755.0	824.3	844.9
82.5°	775.5	482.8	264.5	220.9	208.0	249.1	423.7	539.3	503.3	642.0	590.6
85°	177.2	113.0	48.8	48.8	53.9	82.2	161.8	287.6	367.2	441.7	321.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	113.0	166.9	148.9
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°	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9
2.5°	3924.0	3872.6	3857.2	3813.5	3808.4	3767.3	3751.9	3751.9	3769.9	3769.9	3787.9
5°	3667.2	3603.0	3567.0	3515.6	3502.8	3472.0	3451.4	3454.0	3477.1	3492.5	3523.4
7.5°	3441.2	3397.5	3371.8	3348.7	3343.6	3338.5	3315.3	3312.8	3320.5	3343.6	3366.7
10°	3346.2	3315.3	3323.0	3341.0	3369.3	3384.7	3364.1	3353.9	3346.2	3361.6	3382.1
12.5°	3438.6	3407.8	3423.2	3454.0	3492.5	3507.9	3500.2	3497.7	3505.4	3564.4	3608.1
15°	3641.5	3582.4	3561.9	3574.7	3605.5	3620.9	3613.2	3623.5	3672.3	3826.4	3936.8
17.5°	3893.2	3749.3	3667.2	3644.1	3656.9	3669.7	3669.7	3695.4	3780.2	4006.1	4144.8
20°	4029.3	3841.8	3703.1	3646.6	3651.8	3664.6	3664.6	3700.5	3795.6	4037.0	4126.8
22.5°	3993.3	3821.2	3651.8	3590.1	3592.7	3603.0	3603.0	3633.8	3718.5	3931.7	3972.8
25°	3852.1	3700.5	3533.6	3479.7	3484.8	3502.8	3497.7	3515.6	3579.8	3754.5	3777.6
27.5°	3682.6	3549.0	3384.7	3343.6	3366.7	3402.7	3371.8	3374.4	3433.5	3579.8	3582.4
30°	3500.2	3389.8	3243.4	3212.6	3256.3	3274.3	3246.0	3246.0	3305.1	3405.2	3402.7
32.5°	3302.5	3233.2	3127.9	3094.5	3143.3	3171.5	3135.6	3140.7	3186.9	3253.7	3228.0
35°	3117.6	3081.6	3032.9	3009.7	3040.6	3066.2	3043.1	3053.4	3097.1	3115.0	3079.1
37.5°	2940.4	2935.3	2940.4	2940.4	2948.1	2955.8	2940.4	2966.1	3004.6	2981.5	2940.4
40°	2786.3	2806.9	2855.7	2842.8	2835.1	2842.8	2832.5	2876.2	2914.7	2873.6	2824.8
42.5°	2657.9	2696.4	2770.9	2770.9	2755.5	2760.6	2755.5	2809.4	2837.7	2781.2	2727.3
45°	2547.5	2604.0	2699.0	2711.9	2686.2	2686.2	2696.4	2763.2	2773.5	2696.4	2639.9
47.5°	2470.5	2539.8	2647.7	2670.8	2632.2	2629.7	2657.9	2729.8	2729.8	2639.9	2575.7
50°	2416.5	2493.6	2622.0	2652.8	2614.3	2604.0	2650.2	2719.6	2704.1	2596.3	2532.1
52.5°	2380.6	2460.2	2619.4	2663.1	2637.4	2627.1	2673.3	2722.1	2683.6	2568.0	2501.3
55°	2357.5	2444.8	2627.1	2663.1	2634.8	2616.8	2663.1	2706.7	2686.2	2552.6	2488.4
57.5°	2370.3	2457.6	2616.8	2634.8	2601.4	2570.6	2624.5	2686.2	2678.5	2557.8	2493.6
60°	2349.8	2429.4	2560.3	2565.5	2509.0	2460.2	2539.8	2632.2	2632.2	2539.8	2483.3
62.5°	2254.7	2334.3	2449.9	2455.0	2390.8	2336.9	2429.4	2539.8	2537.2	2462.8	2403.7
65°	2098.1	2172.6	2303.5	2316.4	2252.2	2195.7	2290.7	2393.4	2401.1	2334.3	2283.0
67.5°	1926.0	1992.8	2090.4	2141.7	2087.8	2028.8	2116.1	2213.7	2211.1	2131.5	2077.5
70°	1720.6	1782.2	1872.1	1915.8	1882.4	1825.9	1905.5	1956.8	1933.7	1895.2	1859.3
72.5°	1517.7	1576.8	1661.5	1661.5	1625.6	1571.6	1594.8	1687.2	1715.5	1687.2	1664.1
75°	1304.6	1355.9	1415.0	1427.8	1348.2	1250.6	1358.5	1438.1	1471.5	1458.6	1430.4
77.5°	1086.3	1124.8	1212.1	1189.0	1040.1	988.7	1076.0	1194.1	1217.3	1209.5	1171.0
80°	837.2	860.3	952.7	906.5	791.0	757.6	796.1	888.5	893.7	868.0	819.2
82.5°	562.4	593.2	654.9	565.0	562.4	531.6	500.8	511.0	557.3	552.1	518.7
85°	287.6	303.0	362.1	339.0	290.2	251.7	238.8	254.2	228.6	208.0	179.8
87.5°	120.7	131.0	179.8	100.2	30.8	0.0	0.0	15.4	23.1	33.4	36.0
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°	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9
2.5°	3829.0	3857.2	3926.5	4013.8	4098.6	4185.9	4280.9	4340.0	4411.9	4504.3	4506.9
5°	3561.9	3626.1	3726.2	3859.8	3998.4	4157.7	4342.6	4496.6	4681.5	4827.9	4887.0
7.5°	3397.5	3490.0	3615.8	3785.3	3967.6	4165.4	4406.8	4666.1	4969.2	5164.3	5279.9
10°	3412.9	3554.2	3680.0	3823.8	3988.2	4201.3	4512.0	4856.2	5228.5	5485.3	5629.1
12.5°	3687.7	3836.7	3813.5	3805.8	3916.3	4175.6	4596.8	5048.8	5503.3	5760.1	5932.2
15°	4034.4	4090.9	3872.6	3708.3	3775.0	4083.2	4643.0	5220.8	5731.9	6045.2	6214.7
17.5°	4211.6	4098.6	3834.1	3587.6	3569.6	3941.9	4666.1	5395.5	5988.7	6302.0	6481.7
20°	4129.4	3965.1	3741.6	3507.9	3379.5	3749.3	4653.3	5534.1	6222.4	6571.6	6718.0
22.5°	3952.2	3808.4	3633.8	3410.4	3225.5	3538.8	4619.9	5672.8	6430.4	6782.2	6910.6
25°	3759.6	3651.8	3507.9	3312.8	3138.1	3353.9	4596.8	5857.7	6669.2	7005.6	7087.8
27.5°	3567.0	3487.4	3369.3	3217.8	3117.6	3225.5	4604.5	6099.1	6977.4	7295.8	7262.4
30°	3377.0	3307.6	3225.5	3158.7	3115.0	3194.6	4584.0	6355.9	7316.4	7611.7	7413.9
32.5°	3197.2	3133.0	3081.6	3091.9	3117.6	3207.5	4478.7	6589.6	7627.1	7878.8	7578.3
35°	3043.1	2976.4	2976.4	3012.3	3107.3	3163.8	4206.5	6771.9	7971.2	8222.9	7812.0
37.5°	2899.3	2840.3	2878.8	2937.8	3027.7	3045.7	3857.2	6949.1	8472.0	8708.2	8174.1
40°	2773.5	2714.4	2783.8	2858.2	2904.5	2896.8	3502.8	7195.7	9062.6	9306.6	8654.3
42.5°	2673.3	2619.4	2681.0	2776.1	2783.8	2791.5	3243.4	7431.9	9748.3	10059.0	9481.2
45°	2591.2	2552.6	2583.4	2678.5	2678.5	2796.6	3081.6	7629.7	10780.6	11330.2	10998.9
47.5°	2527.0	2503.8	2519.2	2550.1	2601.4	2889.0	2978.9	7781.2	12660.4	13739.0	13405.2
50°	2491.0	2467.9	2488.4	2424.2	2578.3	2935.3	2945.5	7896.7	15138.6	16828.4	16414.9
52.5°	2460.2	2452.5	2465.3	2316.4	2629.7	2904.5	2919.9	7742.6	16800.1	19868.9	20277.3
55°	2449.9	2455.0	2393.4	2236.8	2691.3	2801.7	2842.8	6641.0	17252.1	22490.9	25025.6
57.5°	2455.0	2439.6	2283.0	2244.5	2693.9	2596.3	2953.2	4738.0	16594.7	23631.1	29671.2
60°	2437.1	2360.0	2149.5	2313.8	2575.7	2354.9	2873.6	3089.4	14861.3	22755.4	29940.8
62.5°	2357.5	2244.5	2033.9	2352.3	2365.2	2211.1	2609.1	2380.6	12550.0	20880.7	27341.9
65°	2241.9	2090.4	1936.3	2272.7	2152.0	2144.3	1962.0	1908.1	10092.4	18649.1	24876.6
67.5°	2051.9	1900.4	1864.4	2090.4	1936.3	1900.4	1576.8	1581.9	8053.4	16271.1	22398.5
70°	1836.1	1684.6	1712.9	1890.1	1723.2	1579.3	1276.3	1317.4	6109.4	13556.7	19057.4
72.5°	1694.9	1492.0	1494.6	1664.1	1515.1	1278.9	1050.3	1086.3	3877.7	10218.2	15151.4
75°	1430.4	1314.8	1258.3	1348.2	1286.6	996.4	883.4	875.7	2298.4	7324.1	11345.6
77.5°	1194.1	1104.3	1076.0	1112.0	960.4	737.0	711.3	698.5	1302.0	4691.8	7434.5
80°	865.4	842.3	839.7	857.7	739.6	541.9	541.9	544.4	701.1	2547.5	4191.0
82.5°	549.6	600.9	531.6	590.6	503.3	385.2	359.5	408.3	403.2	1086.3	1766.8
85°	228.6	313.3	292.8	310.7	238.8	210.6	226.0	244.0	233.7	418.6	688.2
87.5°	43.7	51.4	56.5	53.9	53.9	66.8	74.5	89.9	89.9	120.7	208.0
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°	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9	4185.9
2.5°	4604.5	4679.0	4663.6	4696.9	4653.3	4668.7	4581.4	4558.3	4542.9	4548.0
5°	5077.0	5228.5	5256.8	5313.3	5274.8	5274.8	5120.7	5005.1	4964.0	4933.2
7.5°	5557.2	5775.5	5919.3	5934.7	5914.2	5873.1	5649.7	5441.7	5367.2	5303.0
10°	5983.5	6245.5	6407.3	6484.3	6445.8	6381.6	6104.2	5819.2	5729.3	5672.8
12.5°	6309.7	6540.8	6648.7	6700.0	6694.9	6671.8	6445.8	6137.6	6042.6	5955.3
15°	6520.3	6635.8	6594.7	6592.2	6628.1	6720.6	6651.2	6409.8	6299.4	6219.8
17.5°	6656.4	6545.9	6363.6	6278.9	6355.9	6574.2	6733.4	6597.3	6497.1	6409.8
20°	6705.2	6312.2	6047.7	5891.1	5981.0	6296.8	6689.7	6733.4	6648.7	6576.8
22.5°	6648.7	6027.2	5667.7	5482.8	5570.1	5947.6	6561.3	6843.8	6787.3	6718.0
25°	6510.0	5729.3	5297.9	5130.9	5226.0	5611.2	6332.8	6946.6	6949.1	6892.6
27.5°	6337.9	5454.5	5038.5	4881.8	4974.3	5333.8	6109.4	7036.4	7126.3	7105.8
30°	6163.3	5290.2	4915.2	4804.8	4874.1	5192.6	5880.8	7128.9	7308.6	7344.6
32.5°	6083.7	5369.8	5205.4	5254.2	5164.3	5274.8	5798.6	7259.9	7529.5	7588.6
35°	6189.0	6076.0	6492.0	6684.6	6366.2	5947.6	5903.9	7457.6	7840.2	7927.5
37.5°	6700.0	7588.6	8210.0	8888.0	8335.9	7413.9	6425.2	7794.0	8284.5	8423.2
40°	7812.0	8908.5	10030.8	10906.5	10071.9	8831.5	7416.5	8294.8	8895.7	9021.5
42.5°	8859.7	10146.3	11692.3	12824.8	11741.1	9989.7	8484.8	9137.1	9702.1	9771.4
45°	9887.0	11361.0	13703.1	15277.3	13805.8	11091.4	9576.2	10559.8	10986.1	10988.6
47.5°	11091.4	12729.8	16224.9	18466.8	16545.9	12311.2	10600.9	12812.0	13405.2	13115.0
50°	12532.0	14090.8	18821.2	22177.6	19886.9	13810.9	11902.9	15557.2	16366.1	16037.4
52.5°	14460.6	15590.6	21682.0	25796.0	23528.4	15518.7	13790.4	19183.3	19450.3	18836.6
55°	17175.1	17755.4	25354.3	30264.4	27593.6	17621.9	16551.0	23733.8	22986.5	21227.4
57.5°	23356.3	21181.2	30069.2	35361.9	32193.0	21443.1	22601.3	28751.8	26093.9	23127.8
60°	28528.4	25341.4	34432.3	40421.0	36134.9	25654.7	28281.8	29624.9	25978.3	22917.2
62.5°	26784.7	26402.0	36006.5	40978.2	37480.6	27727.1	27226.4	27424.1	24283.4	21517.6
65°	23500.1	24355.3	34601.8	38335.7	35988.5	25870.5	24627.5	25390.2	22344.5	19558.2
67.5°	21561.3	22190.4	32103.1	34106.2	33276.7	23862.2	22606.5	22054.3	19334.8	16967.1
70°	19578.7	20100.1	28595.1	28798.0	29047.1	20523.8	18484.8	16841.2	14411.8	12755.5
72.5°	16918.3	16946.5	24160.1	22984.0	23456.5	16060.5	14879.2	12591.1	10490.4	8988.1
75°	14193.6	13418.0	19124.2	16065.7	17013.3	12493.5	12354.8	9488.9	7912.1	6679.5
77.5°	10821.7	9915.2	13970.1	10564.9	11949.1	8320.5	9288.6	6435.5	5567.5	4445.3
80°	7265.0	6700.0	7719.5	5963.0	7817.1	5734.4	6058.0	3646.6	3161.3	2452.5
82.5°	3831.5	3271.7	4771.4	3536.2	4714.9	3151.0	2272.7	1127.4	960.4	775.5
85°	1484.3	1718.0	2339.5	1258.3	1828.4	1124.8	657.4	279.9	233.7	177.2
87.5°	287.6	444.3	244.0	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)