

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: P641839

Luminaire Tested: GWS-SA6B-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16712.6 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

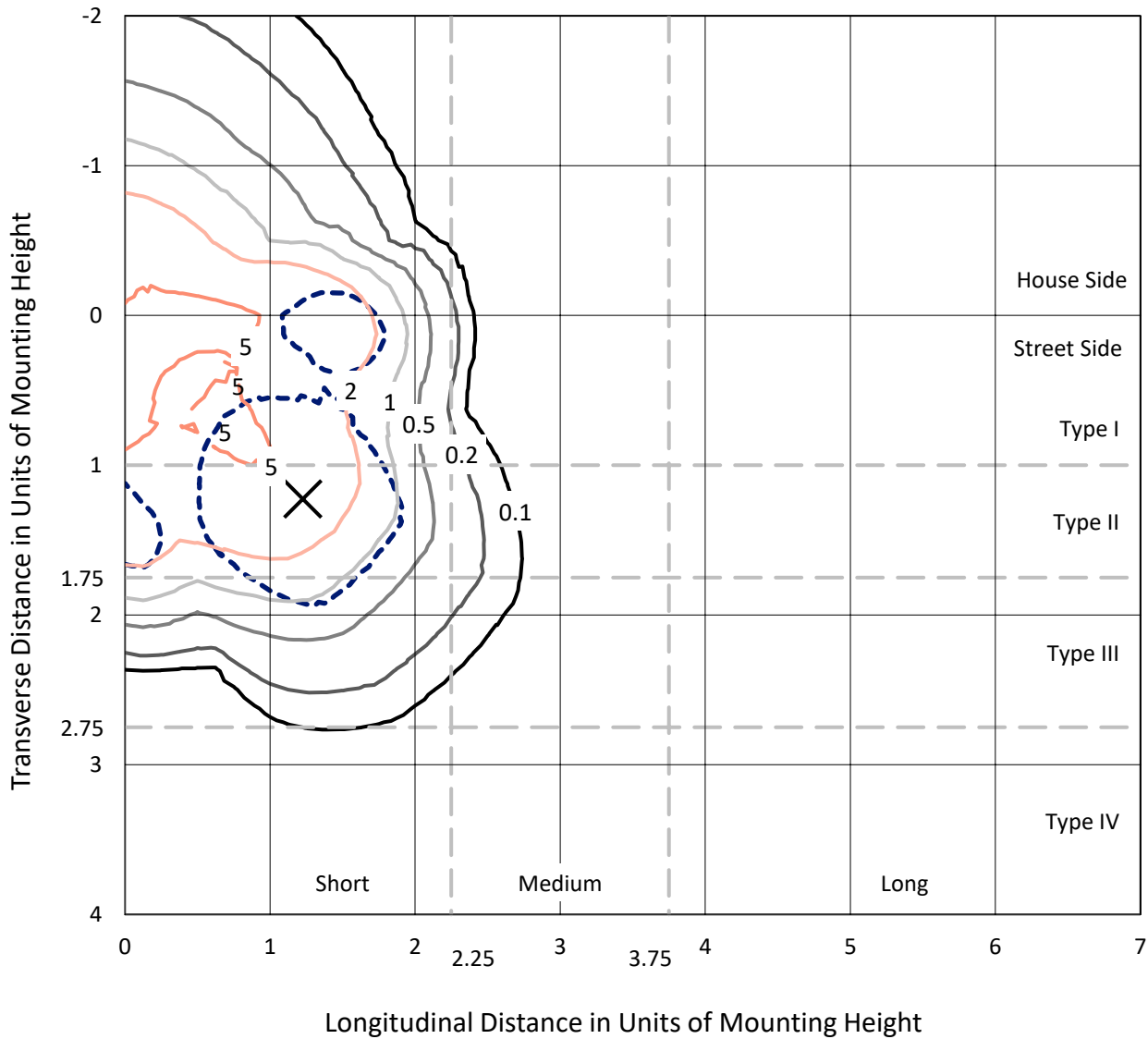
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

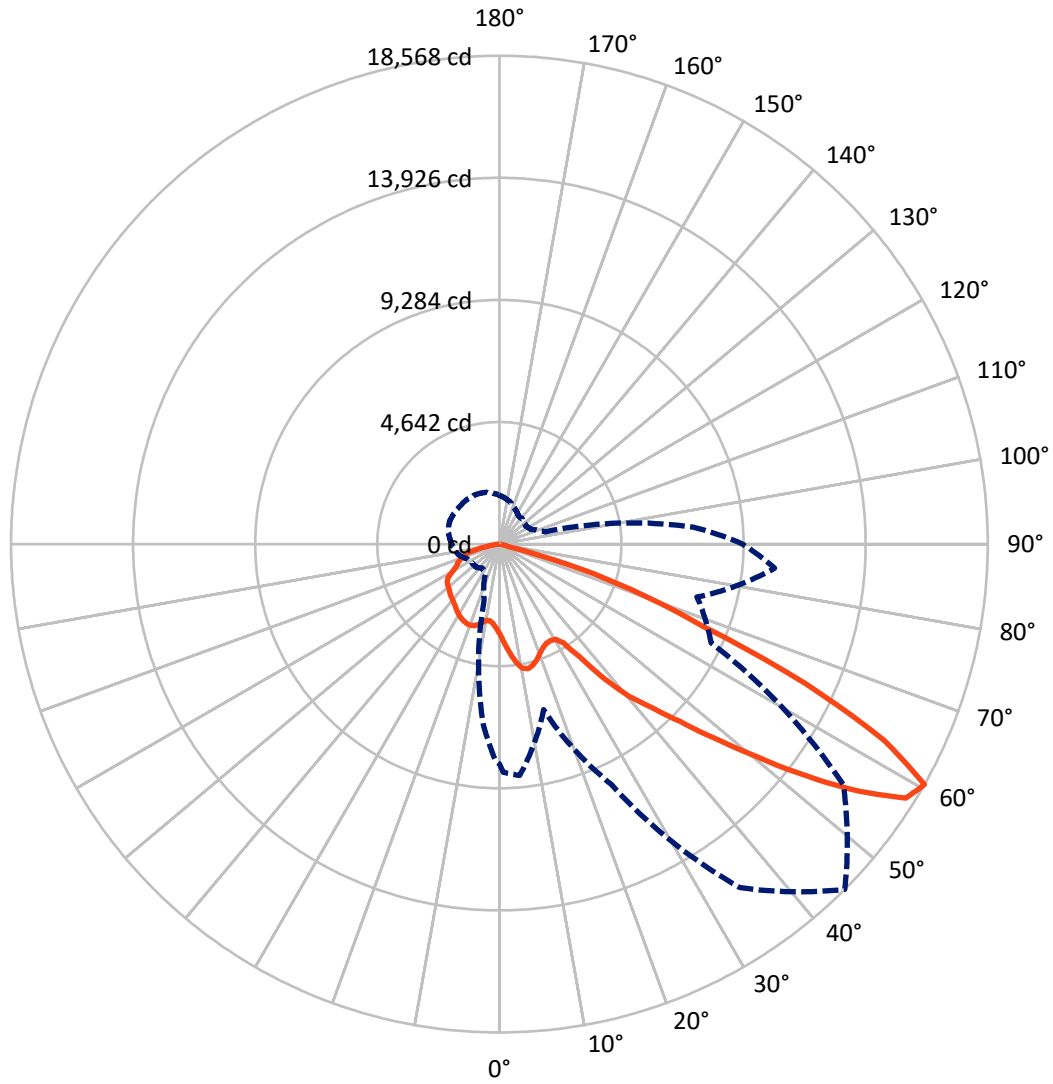
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5858.4	0.0	5858.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	10854.2	0.0	10854.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	16712.6	0.0	16712.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.0	2.0
10°-20°	1058.5	6.3
20°-30°	1719.4	10.3
30°-40°	2424.9	14.5
40°-50°	3351.1	20.1
50°-60°	4313.9	25.8
60°-70°	2733.3	16.4
70°-80°	701.4	4.2
80°-90°	75.0	0.4
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°	16712.6	100.0
0°-180°	16712.6	100.0

Coefficient of Utilization



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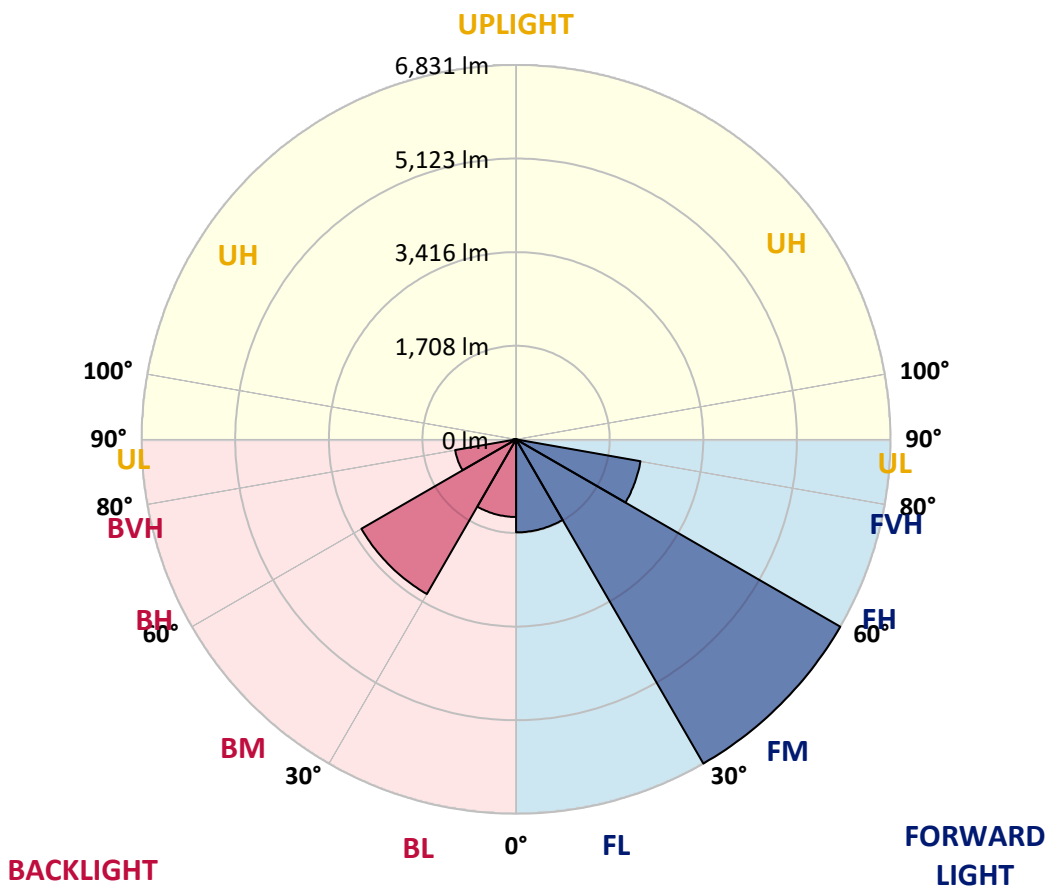
CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1697.0	10.2			
FM (30°-60°)	6831.1	40.9			
FH (60°-80°)	2305.8	13.8			G2/5000
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	1415.9	8.5	B3/2500		
BM (30°-60°)	3258.8	19.5	B3/5000		
BH (60°-80°)	1129.0	6.8	B3/2500		G3/2500
BVH (80°-90°)	54.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3
2.5°	3591.0	3615.5	3630.8	3659.9	3712.0	3741.1	3773.2	3738.0	3747.2	3742.6	3685.9
5°	3803.8	3832.9	3872.8	3958.5	4055.0	4108.6	4159.1	4151.5	4104.0	4024.4	3967.7
7.5°	4002.9	4036.6	4105.5	4244.9	4387.3	4470.0	4531.2	4491.4	4451.6	4326.0	4183.6
10°	4159.1	4179.0	4272.4	4459.3	4624.6	4718.0	4793.1	4783.9	4728.8	4587.9	4396.5
12.5°	4306.1	4319.9	4421.0	4607.8	4756.3	4797.7	4858.9	4878.8	4860.5	4754.8	4566.4
15°	4463.8	4489.9	4583.3	4725.7	4793.1	4750.2	4771.6	4826.8	4878.8	4878.8	4705.8
17.5°	4610.9	4633.8	4728.8	4790.0	4725.7	4612.4	4618.5	4689.0	4813.0	4943.2	4832.9
20°	4741.0	4762.5	4855.9	4797.7	4594.0	4428.6	4424.0	4509.8	4710.4	4984.5	4969.2
22.5°	4883.4	4914.1	4992.2	4803.8	4471.5	4261.7	4260.2	4349.0	4620.0	5025.8	5125.4
25°	5085.6	5133.0	5172.9	4857.4	4405.7	4153.0	4172.9	4257.1	4590.9	5093.2	5356.6
27.5°	5385.7	5424.0	5420.9	4969.2	4402.6	4108.6	4149.9	4247.9	4643.0	5212.7	5600.1
30°	5710.4	5730.3	5698.1	5125.4	4473.0	4136.1	4197.4	4313.8	4774.7	5410.2	5958.4
32.5°	6070.2	6094.7	6033.5	5359.7	4636.9	4339.8	4474.6	4531.2	4960.0	5695.0	6338.2
35°	6483.7	6531.2	6404.1	5669.0	5119.3	5082.5	5278.5	5205.0	5353.6	6031.9	6744.0
37.5°	6918.6	6920.1	6737.9	6126.9	6065.6	6128.4	6520.4	6290.7	6188.1	6407.1	7157.5
40°	7287.6	7278.4	6998.2	6744.0	6889.5	7139.1	7612.3	7260.1	6990.6	6910.9	7500.5
42.5°	7656.7	7623.0	7339.7	7136.0	7457.6	7970.6	8505.0	8073.2	7505.1	7368.8	7838.9
45°	8128.3	8117.6	7776.1	7292.2	7970.6	8901.7	9610.7	8910.9	7809.8	7635.2	8402.4
47.5°	8889.4	8837.3	8201.8	7280.0	8451.4	10142.0	11037.9	9965.9	8022.7	7641.4	9312.1
50°	9633.6	9569.3	8710.2	7278.4	8947.6	11428.4	12722.3	11247.7	8240.1	7678.1	10237.0
52.5°	10385.5	10385.5	9544.8	7451.5	9468.3	12864.8	14668.7	12844.9	8610.7	8159.0	11374.8
55°	10832.7	10952.1	10483.5	7744.0	10077.7	14555.4	16593.6	14569.1	9183.4	9027.2	12425.3
57.5°	10264.6	10488.1	10420.7	7540.3	10437.6	15797.3	18226.0	15876.9	9466.7	9129.8	12267.5
60°	8364.2	8675.0	8829.7	6511.2	10082.3	15941.2	18567.5	15962.7	8881.8	7774.6	10508.0
62.5°	5560.3	5816.0	6051.8	4652.2	8728.6	14341.0	16422.1	14345.6	7417.8	5802.2	7280.0
65°	2727.3	2917.2	3171.4	2750.3	6819.0	11982.7	12803.5	11592.2	5365.8	3248.0	3713.5
67.5°	713.6	767.2	802.4	1067.3	4885.0	8609.2	8350.4	8479.0	3447.0	1061.2	970.9
70°	370.6	373.6	372.1	441.0	3301.6	5471.5	5754.8	5324.5	2405.7	444.1	382.8
72.5°	264.9	266.5	261.9	297.1	1594.1	3134.6	3248.0	3212.7	1260.3	263.4	261.9
75°	173.0	174.6	171.5	174.6	240.4	356.8	329.2	346.1	209.8	166.9	166.9
77.5°	102.6	104.1	102.6	105.7	102.6	102.6	94.9	94.9	90.3	90.3	91.9
80°	68.9	68.9	67.4	70.4	64.3	64.3	61.3	59.7	55.1	53.6	53.6
82.5°	41.3	42.9	41.3	41.3	38.3	38.3	35.2	33.7	29.1	29.1	27.6
85°	21.4	21.4	19.9	19.9	16.8	15.3	12.3	12.3	9.2	7.7	7.7
87.5°	3.1	3.1	1.5	1.5	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3
2.5°	3670.6	3640.0	3594.0	3549.6	3508.3	3465.4	3416.4	3365.9	3323.0	3278.6	3255.6
5°	3892.7	3829.9	3710.4	3604.8	3509.8	3431.7	3347.5	3275.5	3208.2	3153.0	3125.5
7.5°	4093.3	3995.3	3814.6	3647.6	3519.0	3411.8	3295.4	3188.2	3097.9	3030.5	3004.5
10°	4278.6	4162.2	3924.8	3713.5	3563.4	3444.0	3301.6	3156.1	3036.6	2947.8	2926.4
12.5°	4428.6	4295.4	4012.1	3767.1	3589.5	3460.8	3335.3	3209.7	3091.8	2976.9	2958.5
15°	4561.9	4404.1	4078.0	3800.8	3580.3	3416.4	3310.8	3295.4	3295.4	3165.3	3128.5
17.5°	4676.7	4503.7	4131.5	3816.1	3522.1	3284.7	3220.4	3353.6	3503.7	3410.3	3327.6
20°	4808.4	4598.6	4176.0	3816.1	3414.9	3117.8	3111.7	3338.3	3560.4	3561.9	3474.6
22.5°	4941.6	4708.9	4228.0	3802.3	3267.9	2924.9	3038.2	3277.1	3474.6	3558.8	3499.1
25°	5157.5	4862.0	4310.7	3791.6	3096.4	2793.2	2972.3	3195.9	3362.8	3451.6	3413.4
27.5°	5431.7	5064.1	4436.3	3808.4	2926.4	2715.1	2901.9	3090.2	3241.8	3319.9	3292.4
30°	5737.9	5296.9	4571.0	3837.5	2803.9	2675.2	2817.7	2969.3	3104.0	3182.1	3169.9
32.5°	6128.4	5549.6	4687.4	3797.7	2735.0	2655.3	2728.8	2837.6	2967.7	3016.7	3027.5
35°	6595.5	5828.3	4776.2	3641.5	2672.2	2633.9	2632.4	2699.7	2791.6	2869.7	2877.4
37.5°	7025.8	6154.4	4874.2	3373.5	2558.9	2580.3	2519.0	2558.9	2649.2	2727.3	2757.9
40°	7451.5	6485.2	5010.5	3032.0	2410.3	2460.9	2388.9	2416.5	2488.4	2591.0	2640.0
42.5°	7864.9	6783.8	5154.5	2682.9	2261.8	2293.9	2240.3	2267.9	2342.9	2471.6	2526.7
45°	8315.2	7188.1	5266.3	2353.7	2133.2	2119.4	2076.5	2116.3	2229.6	2370.5	2436.4
47.5°	9166.6	7825.1	5339.8	2134.7	2064.2	1964.7	1915.7	2001.5	2130.1	2272.5	2352.1
50°	10206.4	8747.0	5318.3	1995.3	2004.5	1805.4	1788.6	1901.9	2039.7	2188.3	2275.6
52.5°	11030.2	9652.0	5074.9	1862.1	1888.1	1704.4	1655.4	1820.8	1952.5	2104.1	2194.4
55°	11659.6	9956.8	4327.6	1704.4	1698.3	1630.9	1528.3	1736.5	1865.2	2006.1	2104.1
57.5°	11146.6	9278.4	3208.2	1486.9	1450.2	1485.4	1385.9	1594.1	1758.0	1897.3	1984.6
60°	9250.8	7397.9	1787.1	1316.9	1212.8	1298.6	1283.3	1444.1	1641.6	1788.6	1863.6
62.5°	6280.0	4926.3	1059.7	1041.3	983.1	1105.6	1186.8	1292.4	1486.9	1606.4	1676.8
65°	3130.1	2393.5	704.4	779.5	787.1	909.6	1062.7	1179.1	1341.5	1464.0	1534.4
67.5°	908.1	744.2	536.0	595.7	678.4	776.4	898.9	1036.7	1194.4	1339.9	1422.6
70°	392.0	396.6	425.7	496.2	577.3	678.4	800.9	935.6	1068.9	1180.7	1243.4
72.5°	277.2	287.9	320.0	392.0	468.6	565.1	687.6	817.7	914.2	1027.5	1093.4
75°	177.6	185.3	211.3	266.5	323.1	416.5	532.9	652.3	751.9	833.0	895.8
77.5°	98.0	99.5	121.0	153.1	191.4	251.1	336.9	430.3	503.8	549.8	606.4
80°	56.7	56.7	67.4	87.3	110.3	147.0	194.5	240.4	284.8	313.9	341.5
82.5°	30.6	30.6	35.2	47.5	59.7	81.2	108.7	131.7	159.3	174.6	192.9
85°	9.2	9.2	12.3	16.8	21.4	30.6	42.9	55.1	67.4	78.1	88.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3
2.5°	3251.0	3229.6	3217.3	3202.0	3206.6	3192.8	3185.2	3189.8	3162.2	3189.8	3217.3
5°	3114.7	3084.1	3059.6	3039.7	3030.5	3012.1	3001.4	3001.4	2984.6	3012.1	3045.8
7.5°	2995.3	2970.8	2958.5	2946.3	2932.5	2915.7	2897.3	2891.2	2880.4	2909.5	2938.6
10°	2915.7	2918.7	2926.4	2943.2	2940.2	2929.4	2901.9	2886.6	2886.6	2920.3	2964.7
12.5°	2952.4	2984.6	3003.0	3033.6	3039.7	3030.5	3003.0	2990.7	3021.3	3071.9	3145.4
15°	3094.8	3116.3	3131.6	3156.1	3154.6	3146.9	3125.5	3134.6	3235.7	3333.7	3399.6
17.5°	3249.5	3225.0	3221.9	3237.2	3241.8	3232.7	3220.4	3261.7	3428.7	3520.5	3554.2
20°	3361.3	3277.1	3258.7	3264.8	3277.1	3272.5	3272.5	3339.8	3512.9	3555.8	3512.9
22.5°	3395.0	3275.5	3248.0	3249.5	3266.3	3267.9	3275.5	3346.0	3447.0	3448.6	3382.7
25°	3341.4	3226.5	3206.6	3209.7	3229.6	3228.1	3231.1	3270.9	3315.3	3297.0	3248.0
27.5°	3240.3	3140.8	3134.6	3151.5	3177.5	3163.7	3154.6	3165.3	3186.7	3163.7	3120.9
30°	3125.5	3041.2	3044.3	3076.5	3104.0	3081.1	3058.1	3064.2	3065.7	3041.2	2992.2
32.5°	3004.5	2941.7	2952.4	2986.1	3018.3	2993.8	2969.3	2966.2	2937.1	2908.0	2860.5
35°	2883.5	2859.0	2872.8	2900.4	2927.9	2908.0	2892.7	2883.5	2820.7	2777.8	2738.0
37.5°	2773.3	2791.6	2816.1	2833.0	2842.2	2840.6	2831.4	2810.0	2727.3	2676.8	2624.7
40°	2675.2	2731.9	2757.9	2765.6	2779.4	2776.3	2774.8	2744.2	2635.4	2581.8	2522.1
42.5°	2586.4	2666.1	2710.5	2718.1	2725.8	2727.3	2722.7	2678.3	2554.3	2491.5	2434.8
45°	2500.7	2604.8	2661.5	2653.8	2664.5	2664.5	2669.1	2610.9	2474.6	2410.3	2350.6
47.5°	2425.6	2548.1	2600.2	2591.0	2597.1	2601.7	2606.3	2539.0	2387.4	2326.1	2264.8
50°	2356.7	2486.9	2531.3	2534.4	2534.4	2545.1	2543.6	2477.7	2313.9	2248.0	2186.7
52.5°	2283.2	2424.1	2471.6	2491.5	2497.6	2502.2	2480.8	2404.2	2238.8	2159.2	2102.5
55°	2197.5	2359.8	2402.7	2428.7	2441.0	2437.9	2408.8	2330.7	2162.2	2082.6	2018.3
57.5°	2067.3	2222.0	2283.2	2295.5	2315.4	2303.1	2269.4	2203.6	2039.7	1960.1	1894.3
60°	1924.9	2036.7	2085.7	2096.4	2081.1	2085.7	2081.1	2018.3	1875.9	1813.1	1745.7
62.5°	1738.1	1837.6	1889.7	1903.5	1877.4	1894.3	1888.1	1810.0	1667.6	1601.8	1542.1
65°	1597.2	1705.9	1767.2	1774.8	1767.2	1774.8	1753.4	1658.4	1523.7	1456.3	1395.0
67.5°	1486.9	1598.7	1663.0	1684.5	1676.8	1675.3	1641.6	1531.3	1392.0	1318.5	1240.4
70°	1297.0	1395.0	1477.7	1529.8	1529.8	1500.7	1436.4	1333.8	1222.0	1159.2	1098.0
72.5°	1148.5	1272.5	1353.7	1407.3	1418.0	1401.2	1310.8	1202.1	1073.5	1010.7	946.4
75°	946.4	1067.3	1154.6	1225.1	1238.9	1220.5	1116.3	1009.2	889.7	828.5	764.1
77.5°	632.4	704.4	774.9	839.2	825.4	837.6	767.2	686.0	612.5	566.6	537.5
80°	356.8	404.3	425.7	460.9	460.9	460.9	415.0	376.7	335.4	309.3	280.2
82.5°	202.1	232.8	242.0	271.0	278.7	280.2	249.6	225.1	199.1	185.3	165.4
85°	93.4	110.3	111.8	128.6	134.8	147.0	133.2	116.4	101.1	94.9	82.7
87.5°	3.1	9.2	12.3	23.0	30.6	35.2	38.3	38.3	32.2	29.1	24.5
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°	359°	360°
0°	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3	3433.3
2.5°	3251.0	3287.8	3330.7	3361.3	3416.4	3462.4	3509.8	3561.9	3600.2	3591.0
5°	3087.2	3148.4	3226.5	3298.5	3401.1	3505.2	3620.1	3738.0	3806.9	3803.8
7.5°	2995.3	3082.6	3177.5	3274.0	3395.0	3545.0	3721.1	3904.9	3998.3	4002.9
10°	3044.3	3137.7	3202.0	3283.2	3410.3	3598.6	3810.0	4030.5	4137.7	4159.1
12.5°	3199.0	3191.3	3186.7	3244.9	3398.0	3636.9	3895.7	4159.1	4280.1	4306.1
15°	3346.0	3188.2	3093.3	3133.1	3342.9	3661.4	3979.9	4300.0	4436.3	4463.8
17.5°	3373.5	3134.6	2958.5	2986.1	3255.6	3669.1	4061.1	4437.8	4584.8	4610.9
20°	3297.0	3065.7	2860.5	2822.3	3145.4	3649.2	4111.6	4552.7	4713.5	4741.0
22.5°	3200.5	3004.5	2787.0	2687.5	3010.6	3629.3	4168.3	4673.6	4858.9	4883.4
25°	3099.4	2926.4	2718.1	2566.5	2857.5	3617.0	4263.2	4832.9	5056.5	5085.6
27.5°	2992.2	2831.4	2658.4	2508.3	2716.6	3632.3	4398.0	5090.2	5344.4	5385.7
30°	2877.4	2736.5	2620.1	2488.4	2620.1	3646.1	4546.5	5353.6	5652.2	5710.4
32.5°	2757.9	2649.2	2580.3	2497.6	2560.4	3614.0	4676.7	5649.1	6019.7	6070.2
35°	2638.5	2560.4	2529.8	2514.5	2480.8	3496.0	4782.4	5947.7	6439.3	6483.7
37.5°	2526.7	2468.5	2459.3	2476.2	2358.3	3303.1	4904.9	6327.5	6851.2	6918.6
40°	2422.6	2369.0	2367.4	2364.4	2223.5	3039.7	5070.3	6713.4	7257.0	7287.6
42.5°	2326.1	2258.7	2271.0	2234.2	2113.2	2754.9	5226.5	7042.6	7635.2	7656.7
45°	2240.3	2151.5	2165.3	2119.4	2061.2	2456.3	5364.3	7431.6	8114.6	8128.3
47.5°	2157.7	2062.7	2024.4	2021.4	2052.0	2180.6	5499.0	8180.4	8864.9	8889.4
50°	2081.1	1978.5	1869.8	1937.1	1995.3	1973.9	5667.5	8982.8	9639.8	9633.6
52.5°	2007.6	1872.8	1718.2	1848.3	1848.3	1820.8	5620.0	9469.8	10279.9	10385.5
55°	1923.4	1702.8	1560.4	1699.8	1632.4	1682.9	4779.3	9629.0	10682.6	10832.7
57.5°	1756.4	1493.1	1369.0	1444.1	1343.0	1560.4	3433.3	8838.9	9998.1	10264.6
60°	1595.7	1338.4	1257.2	1243.4	1111.8	1272.5	2225.0	6920.1	8229.4	8364.2
62.5°	1407.3	1205.2	1136.3	1030.6	894.3	926.5	1347.6	4554.2	5529.7	5560.3
65°	1264.9	1091.8	960.1	834.6	732.0	672.3	796.3	2195.9	2764.1	2727.3
67.5°	1085.7	935.6	810.1	719.7	635.5	560.5	529.8	652.3	738.1	713.6
70°	966.3	822.3	701.4	615.6	537.5	462.5	408.9	384.4	376.7	370.6
72.5°	833.0	707.5	581.9	499.2	425.7	356.8	307.8	278.7	271.0	264.9
75°	664.6	546.7	431.8	353.7	289.4	240.4	208.3	183.8	179.2	173.0
77.5°	439.5	350.7	257.3	209.8	171.5	145.5	124.0	108.7	105.7	102.6
80°	242.0	202.1	157.7	127.1	102.6	88.8	81.2	72.0	70.4	68.9
82.5°	143.9	121.0	90.3	72.0	59.7	53.6	49.0	44.4	42.9	41.3
85°	72.0	56.7	39.8	33.7	30.6	27.6	27.6	23.0	21.4	21.4
87.5°	18.4	15.3	9.2	7.7	7.7	7.7	6.1	4.6	4.6	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)