

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: P642776

Luminaire Tested: GWS-SA6D-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34694.8 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

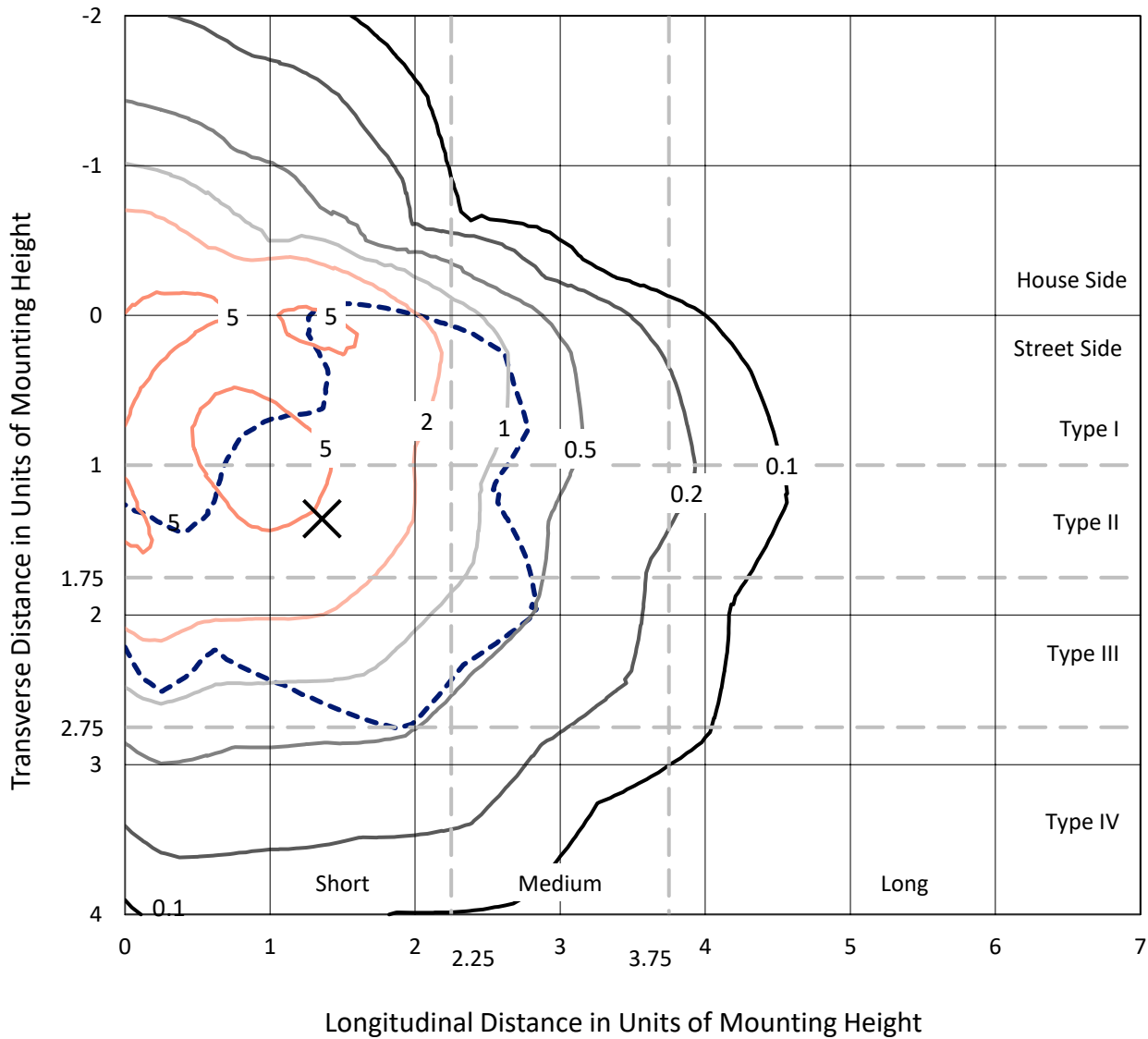
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

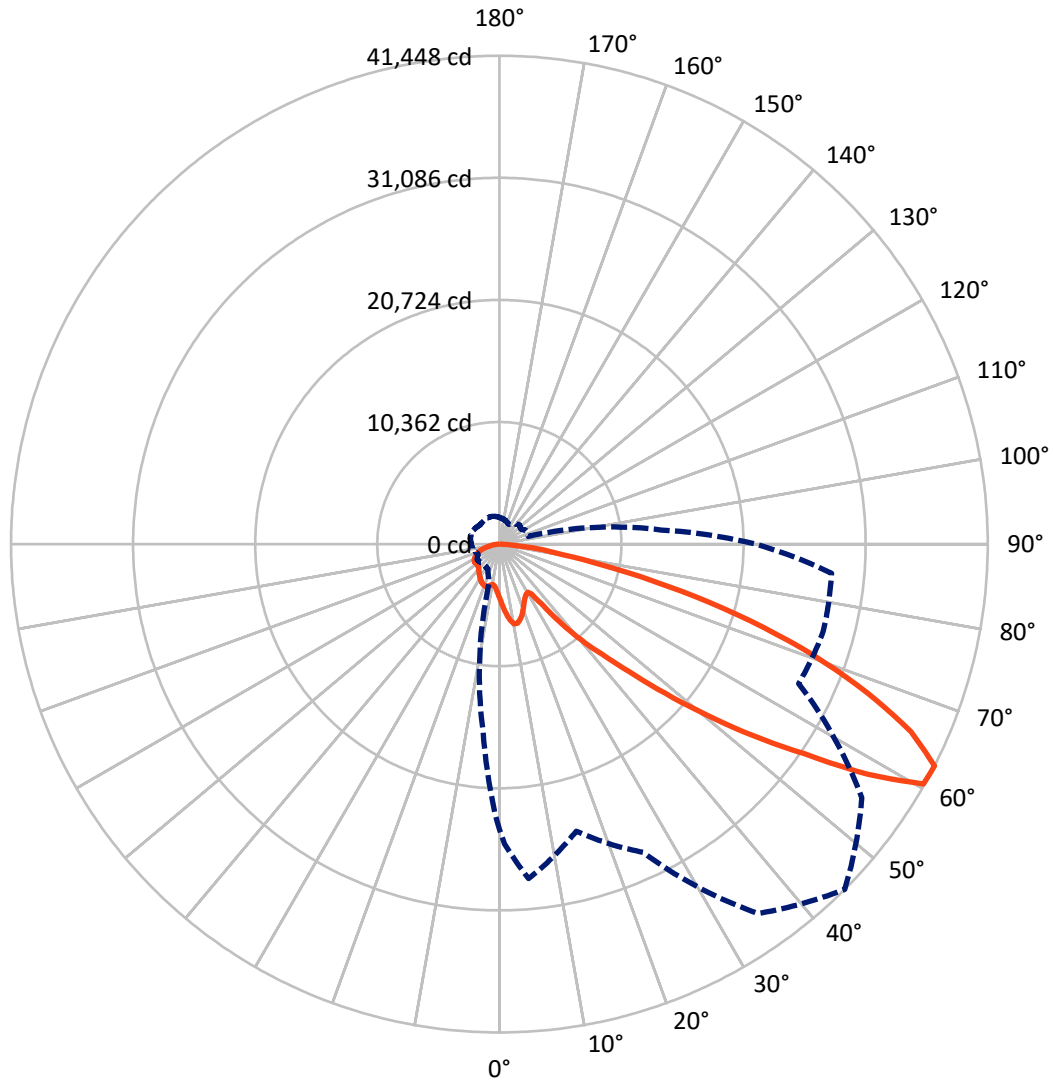
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 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 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8278.8	0.0	8278.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	26416.0	0.0	26416.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	34694.8	0.0	34694.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.7	1.3
10°-20°	1409.8	4.1
20°-30°	2189.7	6.3
30°-40°	2973.0	8.6
40°-50°	4712.0	13.6
50°-60°	8311.9	24.0
60°-70°	9248.2	26.7
70°-80°	4690.4	13.5
80°-90°	710.2	2.0
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°	34694.8	100.0
0°-180°	34694.8	100.0

Coefficient of Utilization



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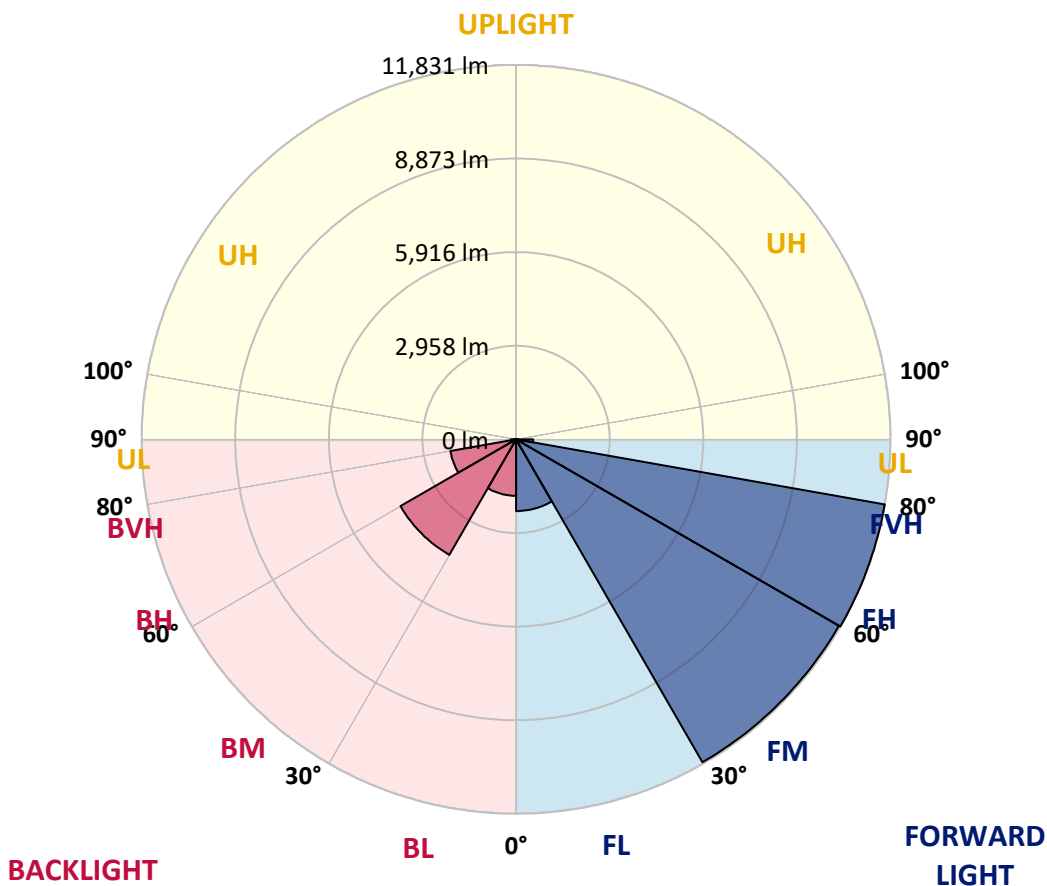
CATALOG NUMBER: GWS-SA6D-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2265.3	6.5			
FM (30°-60°)	11780.4	34.0			
FH (60°-80°)	11831.2	34.1			G4/12000
FVH (80°-90°)	539.1	1.6			G4/750
BL (0°-30°)	1783.9	5.1	B3/2500		
BM (30°-60°)	4216.5	12.2	B3/5000		
BH (60°-80°)	2107.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	171.1	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7
2.5°	4948.8	4946.2	4996.1	5072.3	5143.2	5174.7	5227.3	5222.0	5180.0	5124.8	5106.4
5°	5337.6	5348.1	5434.8	5602.9	5789.4	5868.2	5902.3	5889.2	5813.0	5715.8	5545.1
7.5°	5689.6	5707.9	5841.9	6094.1	6325.2	6430.3	6514.4	6498.6	6388.3	6207.0	5954.9
10°	5947.0	5968.0	6128.2	6425.1	6682.5	6774.4	6882.1	6887.4	6790.2	6545.9	6288.5
12.5°	6204.4	6225.4	6375.1	6645.7	6813.8	6816.4	6879.5	6913.6	6918.9	6805.9	6548.5
15°	6472.3	6490.7	6627.3	6779.7	6771.8	6624.7	6624.7	6690.4	6834.8	6916.3	6737.6
17.5°	6700.9	6724.5	6829.6	6779.7	6545.9	6280.6	6249.1	6333.1	6585.3	6897.9	6879.5
20°	6890.0	6908.4	6966.2	6635.2	6209.7	5862.9	5802.5	5899.7	6241.2	6784.9	6987.2
22.5°	7071.2	7081.7	7050.2	6446.1	5847.2	5450.5	5377.0	5479.4	5847.2	6585.3	7079.1
25°	7286.6	7276.1	7126.4	6249.1	5516.2	5124.8	5048.6	5164.2	5547.7	6320.0	7178.9
27.5°	7536.2	7496.8	7192.1	6036.3	5261.4	4883.1	4830.6	4954.1	5311.3	6075.7	7257.7
30°	7748.9	7672.8	7202.6	5847.2	5130.1	4780.7	4749.2	4864.8	5195.7	5910.2	7357.6
32.5°	7985.3	7880.3	7263.0	5797.3	5203.6	5027.6	5069.6	5077.5	5227.3	5862.9	7507.3
35°	8324.2	8187.6	7428.5	5941.7	5960.1	6256.9	6409.3	6204.4	5702.7	5968.0	7791.0
37.5°	8836.4	8663.1	7764.7	6566.9	7523.0	8187.6	8555.4	8087.8	7147.4	6364.6	8219.1
40°	9459.0	9238.3	8195.5	7722.7	8983.5	10047.4	10701.4	10015.8	8634.2	7354.9	8820.7
42.5°	10328.4	10097.3	9030.8	8857.4	10336.3	11920.2	12773.9	11752.1	9944.9	8634.2	9784.7
45°	11844.1	11620.8	10562.2	9994.8	11920.2	14226.5	15424.3	14003.3	11276.7	9918.6	11586.6
47.5°	14644.2	14381.5	12837.0	11255.7	13727.4	17221.0	18896.9	16827.0	12661.0	11389.6	14612.7
50°	18006.4	17754.3	15692.3	12747.7	15723.8	20423.1	22753.0	20144.6	14255.4	13178.4	18229.7
52.5°	22051.6	22004.4	19766.4	14633.7	17801.5	23837.8	27032.0	23819.5	16002.2	15587.2	22327.5
55°	25697.6	26159.9	24941.1	17510.0	20486.1	28127.3	31431.8	27827.9	18371.6	19569.4	27126.5
57.5°	27662.4	28904.9	30777.7	23378.2	24389.5	33254.8	36861.3	32721.5	22443.0	26199.3	31576.3
60°	26364.8	27772.7	31166.5	27796.4	28261.3	37363.0	41342.6	36835.0	26441.0	30801.4	31324.1
62.5°	24205.6	25469.1	28487.2	25216.9	28860.2	38266.6	41447.6	37552.1	28030.1	28466.2	28295.4
65°	21644.5	22918.5	26115.2	22012.2	26955.8	36120.6	38390.1	35442.9	25174.9	25718.6	25781.6
67.5°	18242.8	19419.6	22674.2	19572.0	24570.7	32971.1	33696.1	32437.8	23183.8	24050.6	23144.4
70°	13630.3	14691.5	17565.1	15905.0	20712.0	28868.1	28282.3	28468.8	20948.4	21810.0	19332.9
72.5°	9314.5	10113.0	12576.9	12498.1	15860.4	23110.2	22293.3	24061.1	17496.8	18639.5	14738.7
75°	6514.4	7136.9	9091.2	9874.0	11988.5	17129.1	15876.1	18009.1	13664.4	15295.6	10754.0
77.5°	3997.9	4410.3	5742.1	7315.5	7712.2	11723.2	9860.9	13551.4	9595.6	11155.8	7173.7
80°	1999.0	2198.6	2789.6	4599.5	5114.3	6908.4	5445.3	7867.1	6493.3	6908.4	3969.0
82.5°	604.2	667.2	816.9	1746.8	2650.4	3976.9	3217.8	4570.6	3546.1	3238.8	1562.9
85°	160.2	181.2	225.9	517.5	929.9	1426.3	1087.5	2214.4	1699.5	1195.2	588.4
87.5°	13.1	13.1	10.5	10.5	5.3	0.0	0.0	157.6	317.8	181.2	102.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7
2.5°	5014.5	5004.0	4896.3	4817.5	4725.5	4636.2	4544.3	4462.9	4370.9	4279.0	4252.7
5°	5419.0	5345.5	5116.9	4925.2	4736.0	4570.6	4426.1	4276.4	4155.5	4037.3	3992.7
7.5°	5776.2	5647.5	5316.6	5025.0	4762.3	4557.4	4344.7	4126.6	3955.9	3787.8	3745.8
10°	6099.3	5928.6	5510.9	5143.2	4851.6	4617.8	4368.3	4076.7	3829.8	3624.9	3569.8
12.5°	6338.4	6151.9	5679.1	5256.1	4925.2	4662.5	4415.6	4158.2	3898.1	3632.8	3572.4
15°	6527.5	6333.1	5818.3	5342.8	4927.8	4588.9	4349.9	4260.6	4179.2	3919.1	3808.8
17.5°	6679.8	6475.0	5939.1	5395.4	4856.9	4365.7	4158.2	4289.5	4497.0	4334.2	4126.6
20°	6819.1	6611.6	6031.0	5432.1	4699.3	4058.3	3942.8	4221.2	4533.8	4528.5	4342.0
22.5°	6971.4	6769.2	6165.0	5453.2	4478.6	3745.8	3814.1	4121.4	4376.2	4452.4	4336.8
25°	7165.8	6987.2	6351.5	5500.4	4229.1	3530.4	3719.5	3992.7	4205.4	4223.8	4155.5
27.5°	7391.7	7257.7	6629.9	5610.8	3987.4	3420.0	3609.2	3811.4	4005.8	4013.7	3932.3
30°	7638.6	7549.3	6887.4	5702.7	3806.2	3385.9	3467.3	3630.2	3753.6	3774.7	3703.7
32.5°	7953.8	7875.0	7115.9	5642.3	3698.5	3378.0	3336.0	3420.0	3522.5	3522.5	3467.3
35°	8387.2	8276.9	7357.6	5411.1	3567.1	3346.5	3196.8	3220.4	3265.1	3272.9	3241.4
37.5°	9001.9	8820.7	7601.8	4954.1	3351.7	3233.5	3036.5	3007.6	3023.4	3044.4	3036.5
40°	9763.7	9466.8	7959.1	4405.1	3094.3	3015.5	2871.0	2815.9	2802.8	2844.8	2860.5
42.5°	10722.4	10268.0	8342.6	3892.9	2860.5	2766.0	2676.7	2629.4	2608.4	2679.3	2721.3
45°	12253.8	11505.2	8710.3	3385.9	2729.2	2553.2	2492.8	2458.6	2469.2	2553.2	2605.7
47.5°	14899.0	13393.8	9059.7	3065.4	2718.7	2400.9	2327.3	2335.2	2364.1	2453.4	2516.4
50°	18245.5	15923.4	9293.5	2931.5	2750.2	2308.9	2211.7	2253.8	2298.4	2385.1	2458.6
52.5°	21652.4	18279.6	9015.0	2857.9	2747.6	2311.5	2104.0	2230.1	2251.1	2337.8	2416.6
55°	23995.4	18542.3	7788.3	2745.0	2705.6	2416.6	2020.0	2219.6	2232.7	2311.5	2382.5
57.5°	24888.5	17643.9	5939.1	2776.5	2579.5	2498.0	1983.2	2146.1	2240.6	2308.9	2382.5
60°	23808.9	15949.7	3609.2	2857.9	2377.2	2492.8	2006.8	2012.1	2175.0	2290.5	2364.1
62.5°	21773.2	13774.7	2534.8	2626.8	2230.1	2353.6	2062.0	1854.5	2059.4	2198.6	2264.3
65°	19440.6	11216.3	1933.3	2261.6	2159.2	2138.2	2080.4	1715.3	1901.8	2038.4	2096.2
67.5°	17010.9	8718.2	1570.8	1686.4	1951.7	1933.3	1901.8	1591.8	1715.3	1812.5	1878.1
70°	13950.7	6099.3	1326.5	1266.1	1673.2	1733.7	1662.7	1436.8	1476.2	1576.1	1628.6
72.5°	10205.0	3800.9	1090.1	1045.5	1344.9	1515.6	1478.9	1266.1	1284.5	1379.0	1421.1
75°	7339.2	2175.0	874.7	861.6	1027.1	1297.6	1224.1	1090.1	1111.1	1182.0	1210.9
77.5°	4665.1	1210.9	675.1	693.5	735.5	969.3	1045.5	932.5	932.5	974.5	998.2
80°	2498.0	693.5	493.8	501.7	514.8	740.7	824.8	722.4	722.4	693.5	722.4
82.5°	1019.2	399.3	338.9	315.2	344.1	507.0	577.9	459.7	480.7	433.4	443.9
85°	336.2	199.6	168.1	165.5	162.9	223.3	278.4	228.5	273.2	173.4	181.2
87.5°	44.7	36.8	21.0	15.8	18.4	7.9	15.8	18.4	18.4	13.1	13.1
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°	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7
2.5°	4234.3	4213.3	4137.1	4155.5	4142.4	4121.4	4142.4	4103.0	4134.5	4145.0	4210.7
5°	3958.5	3908.6	3835.1	3798.3	3790.4	3769.4	3772.0	3753.6	3758.9	3803.5	3877.1
7.5°	3711.6	3664.3	3606.5	3580.3	3556.6	3533.0	3530.4	3527.7	3548.8	3588.2	3659.1
10°	3533.0	3506.7	3483.1	3493.6	3483.1	3472.6	3454.2	3454.2	3488.3	3559.3	3645.9
12.5°	3533.0	3527.7	3533.0	3564.5	3561.9	3564.5	3540.9	3554.0	3648.6	3769.4	3892.9
15°	3722.1	3680.1	3680.1	3695.8	3690.6	3690.6	3690.6	3745.8	3961.2	4147.7	4279.0
17.5°	3953.3	3829.8	3777.3	3769.4	3766.8	3766.8	3777.3	3895.5	4231.7	4428.7	4504.9
20°	4113.5	3879.7	3793.0	3758.9	3761.5	3766.8	3798.3	3961.2	4331.5	4431.3	4413.0
22.5°	4142.4	3840.3	3735.3	3685.3	3693.2	3698.5	3745.8	3919.1	4194.9	4210.7	4173.9
25°	4008.4	3730.0	3617.0	3577.6	3588.2	3585.5	3627.6	3753.6	3950.6	3945.4	3924.4
27.5°	3808.8	3554.0	3469.9	3443.7	3462.1	3441.1	3454.2	3551.4	3703.7	3698.5	3690.6
30°	3603.9	3383.3	3307.1	3294.0	3317.6	3286.1	3288.7	3370.1	3475.2	3469.9	3467.3
32.5°	3399.0	3212.5	3144.2	3144.2	3167.9	3133.7	3139.0	3209.9	3280.8	3259.8	3259.8
35°	3204.6	3073.3	3018.1	3007.6	3026.0	3002.4	3012.9	3078.6	3104.8	3075.9	3057.5
37.5°	3033.9	2976.1	2921.0	2884.2	2886.8	2889.4	2921.0	2970.9	2955.1	2913.1	2889.4
40°	2876.3	2876.3	2823.8	2755.5	2747.6	2766.0	2818.5	2873.7	2829.0	2781.7	2752.8
42.5°	2763.4	2787.0	2737.1	2668.8	2653.0	2684.5	2742.3	2781.7	2729.2	2676.7	2637.3
45°	2658.3	2716.1	2681.9	2605.7	2584.7	2621.5	2695.1	2710.8	2639.9	2590.0	2561.1
47.5°	2584.7	2663.5	2639.9	2566.3	2534.8	2587.4	2663.5	2660.9	2571.6	2519.1	2495.4
50°	2532.2	2632.0	2629.4	2566.3	2532.2	2597.9	2666.2	2632.0	2534.8	2479.7	2456.0
52.5°	2490.2	2629.4	2647.8	2611.0	2587.4	2645.1	2687.2	2621.5	2508.6	2450.8	2432.4
55°	2471.8	2639.9	2653.0	2618.9	2597.9	2650.4	2687.2	2642.5	2508.6	2456.0	2440.3
57.5°	2477.0	2626.8	2629.4	2582.1	2545.3	2611.0	2668.8	2655.7	2537.4	2477.0	2458.6
60°	2445.5	2555.8	2561.1	2487.5	2445.5	2524.3	2626.8	2618.9	2524.3	2461.3	2427.1
62.5°	2340.4	2437.6	2440.3	2372.0	2311.5	2424.5	2537.4	2534.8	2448.1	2385.1	2345.7
65°	2164.4	2266.9	2293.2	2227.5	2180.2	2301.0	2419.2	2414.0	2327.3	2269.5	2230.1
67.5°	1946.4	2056.8	2106.7	2062.0	2043.6	2153.9	2264.3	2261.6	2190.7	2135.6	2101.4
70°	1681.1	1773.1	1857.1	1857.1	1844.0	1970.1	2088.3	2077.8	2012.1	1970.1	1943.8
72.5°	1460.5	1531.4	1557.7	1583.9	1623.3	1754.7	1854.5	1862.4	1815.1	1794.1	1815.1
75°	1242.5	1287.1	1310.8	1289.7	1358.0	1494.6	1626.0	1639.1	1589.2	1555.0	1562.9
77.5°	1021.8	1071.7	1095.4	1048.1	1042.8	1216.2	1376.4	1405.3	1363.3	1310.8	1326.5
80°	738.1	803.8	843.2	811.7	801.2	877.3	1098.0	1129.5	1090.1	1048.1	1071.7
82.5°	451.8	488.6	499.1	530.6	596.3	627.8	706.6	811.7	782.8	746.0	811.7
85°	178.6	212.8	236.4	267.9	312.6	370.4	436.0	520.1	472.8	457.1	538.5
87.5°	10.5	2.6	0.0	5.3	44.7	86.7	186.5	257.4	215.4	231.2	278.4
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°	359°	360°
0°	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7	4604.7
2.5°	4263.2	4331.5	4423.5	4499.6	4596.8	4688.8	4783.3	4877.9	4927.8	4948.8
5°	3961.2	4087.2	4234.3	4397.2	4586.3	4786.0	4988.2	5195.7	5327.1	5337.6
7.5°	3779.9	3961.2	4163.4	4368.3	4602.1	4877.9	5198.4	5518.8	5652.8	5689.6
10°	3837.7	4040.0	4200.2	4391.9	4649.4	4993.5	5371.7	5747.3	5902.3	5947.0
12.5°	4068.8	4108.3	4158.2	4334.2	4649.4	5093.3	5550.3	5996.9	6162.4	6204.4
15°	4260.6	4071.5	3982.2	4168.7	4586.3	5180.0	5739.5	6233.3	6432.9	6472.3
17.5°	4276.4	3950.6	3756.3	3924.4	4476.0	5240.4	5920.7	6496.0	6664.1	6700.9
20°	4116.1	3821.9	3569.8	3672.2	4326.3	5266.7	6052.1	6687.7	6853.2	6890.0
22.5°	3934.9	3716.9	3443.7	3438.4	4145.0	5295.5	6209.7	6869.0	7047.6	7071.2
25°	3764.1	3572.4	3341.2	3267.7	3934.9	5350.7	6422.4	7142.2	7278.7	7286.6
27.5°	3564.5	3417.4	3259.8	3188.9	3751.0	5455.8	6737.6	7467.9	7549.3	7536.2
30°	3383.3	3272.9	3202.0	3181.0	3635.4	5534.6	7037.1	7788.3	7793.6	7748.9
32.5°	3191.5	3149.5	3149.5	3217.8	3540.9	5516.2	7281.4	8100.9	8051.0	7985.3
35°	3020.8	3028.7	3083.8	3244.0	3383.3	5332.3	7515.2	8492.3	8418.8	8324.2
37.5°	2857.9	2918.3	2997.1	3152.1	3175.8	5059.1	7788.3	9046.6	8954.6	8836.4
40°	2718.7	2810.6	2902.6	2978.7	2955.1	4670.4	8169.2	9698.0	9595.6	9459.0
42.5°	2608.4	2697.7	2800.1	2808.0	2815.9	4265.9	8573.7	10496.5	10478.1	10328.4
45°	2537.4	2595.2	2692.4	2679.3	2808.0	3819.3	8946.7	11715.3	11957.0	11844.1
47.5°	2490.2	2534.8	2545.3	2600.5	2876.3	3420.0	9427.4	14100.4	14772.9	14644.2
50°	2463.9	2508.6	2390.4	2605.7	2886.8	3162.6	10092.0	17094.9	18177.2	18006.4
52.5°	2461.3	2450.8	2272.1	2660.9	2829.0	3005.0	10438.7	19280.4	21681.3	22051.6
55°	2466.5	2335.2	2211.7	2676.7	2713.4	2947.2	9277.7	20331.1	24914.8	25697.6
57.5°	2419.2	2209.1	2245.9	2613.6	2495.4	3102.2	6858.5	19955.5	26207.2	27662.4
60°	2329.9	2088.3	2308.9	2442.9	2272.1	2836.9	4722.9	18279.6	24867.5	26364.8
62.5°	2201.2	2004.2	2301.0	2222.2	2190.7	2322.1	3246.7	15933.9	22742.5	24205.6
65°	2056.8	1935.9	2177.6	2009.5	2027.9	1786.2	2295.8	13286.1	20205.0	21644.5
67.5°	1901.8	1893.9	1996.3	1788.8	1712.6	1415.8	1673.2	10648.9	16945.2	18242.8
70°	1725.8	1783.6	1815.1	1589.2	1389.6	1111.1	1242.5	7446.9	12500.7	13630.3
72.5°	1549.8	1555.0	1599.7	1381.7	1040.2	890.5	932.5	4510.1	8492.3	9314.5
75°	1371.2	1321.3	1363.3	1124.3	774.9	730.2	719.7	2787.0	5865.6	6514.4
77.5°	1179.4	1124.3	1069.1	845.8	622.5	564.8	551.6	1562.9	3598.7	3997.9
80°	958.8	885.2	798.5	619.9	454.4	404.5	401.9	761.8	1794.1	1999.0
82.5°	746.0	606.8	583.1	386.1	281.1	246.9	262.7	291.6	541.1	604.2
85°	522.7	441.3	310.0	155.0	126.1	102.4	99.8	86.7	144.5	160.2
87.5°	291.6	191.8	99.8	18.4	21.0	23.6	18.4	13.1	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)