

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: P643271

Luminaire Tested: GWS-SA6E-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643271  
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-SAGE-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**

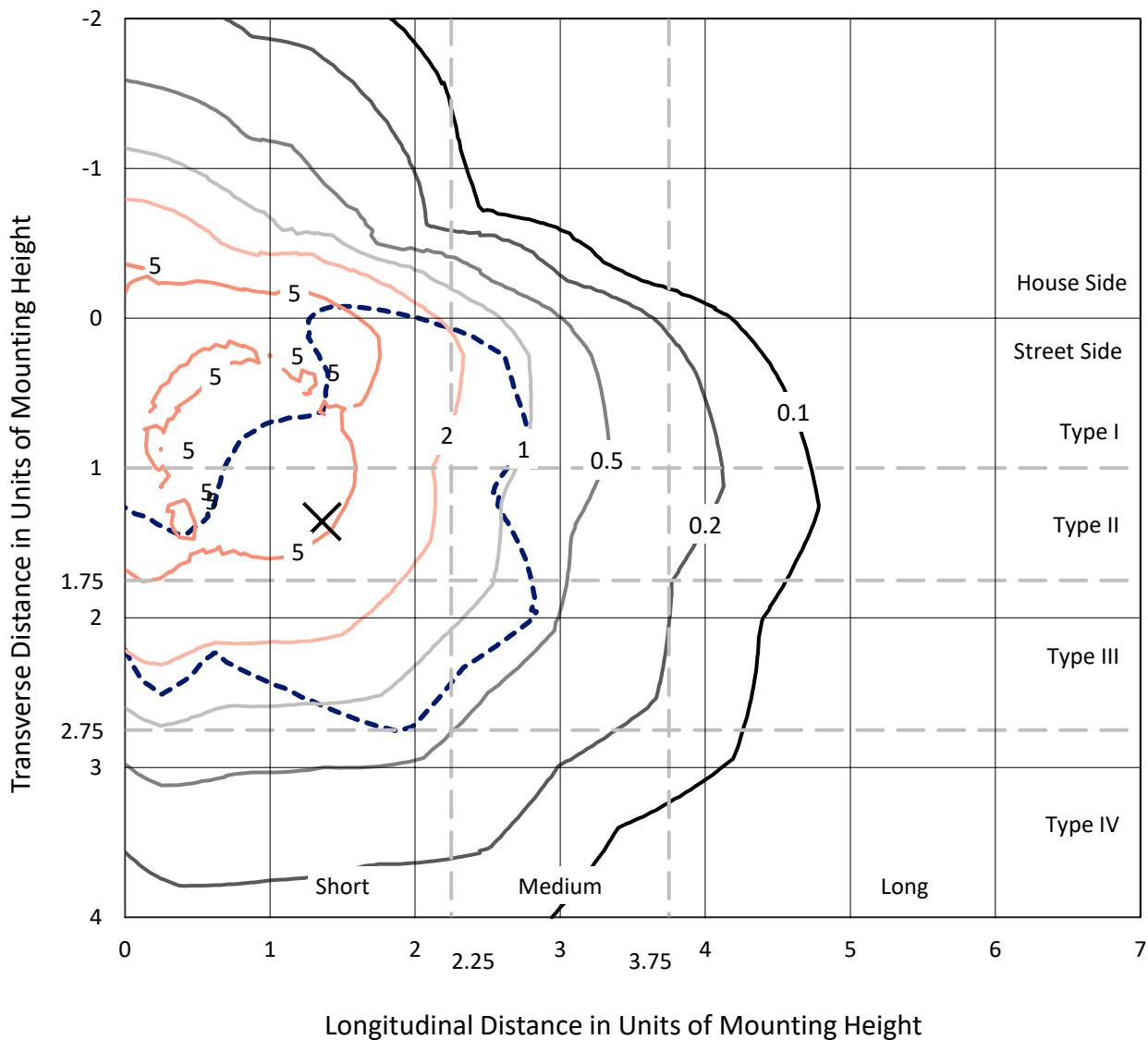
Lumens per Lamp: N/A  
Luminaire Lumens: 43356.3 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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

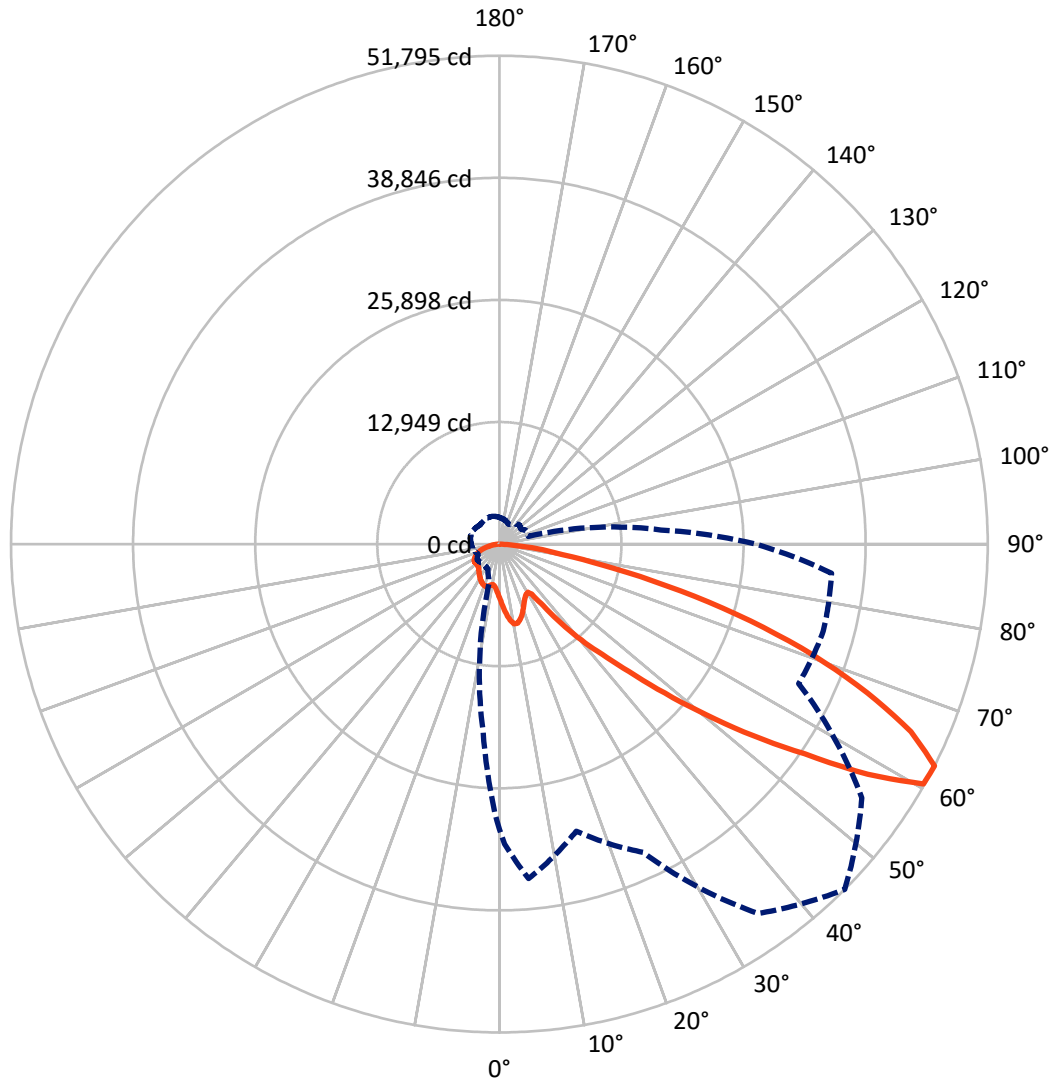
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.1 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
<b>House Side</b>	Lumens	10345.6	0.0	10345.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	33010.7	0.0	33010.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	43356.3	0.0	43356.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.0	1.3
10°-20°	1761.7	4.1
20°-30°	2736.3	6.3
30°-40°	3715.2	8.6
40°-50°	5888.3	13.6
50°-60°	10386.9	24.0
60°-70°	11557.0	26.7
70°-80°	5861.3	13.5
80°-90°	887.5	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°	43356.3	100.0
0°-180°	43356.3	100.0

**Coefficient of Utilization**



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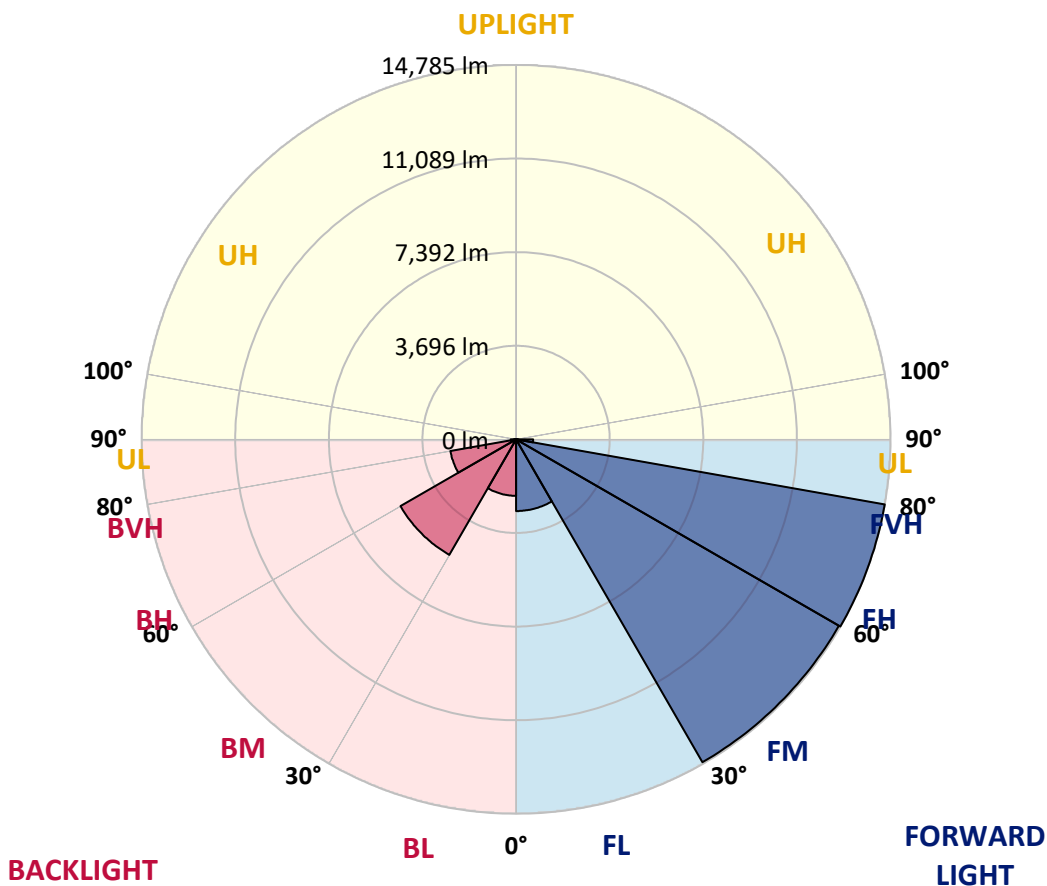
CATALOG NUMBER: GWS-SA6E-750-U-SLR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2830.8	6.5			
FM (30°-60°)	14721.3	34.0			
FH (60°-80°)	14784.9	34.1			G5
FVH (80°-90°)	673.7	1.6			G4/750
BL (0°-30°)	2229.2	5.1	B3/2500		
BM (30°-60°)	5269.1	12.2	B4/8500		
BH (60°-80°)	2633.4	6.1	B4/5000		G4/5000
BVH (80°-90°)	213.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3
2.5°	6184.3	6181.0	6243.4	6338.6	6427.2	6466.6	6532.2	6525.7	6473.1	6404.2	6381.2
5°	6670.1	6683.2	6791.5	7001.6	7234.7	7333.2	7375.8	7359.4	7264.2	7142.8	6929.4
7.5°	7109.9	7132.9	7300.3	7615.5	7904.3	8035.6	8140.7	8121.0	7983.1	7756.6	7441.5
10°	7431.6	7457.9	7658.1	8029.1	8350.7	8465.6	8600.2	8606.8	8485.3	8180.1	7858.4
12.5°	7753.3	7779.6	7966.7	8304.8	8514.9	8518.2	8596.9	8639.6	8646.2	8505.0	8183.3
15°	8088.1	8111.1	8281.8	8472.2	8462.3	8278.5	8278.5	8360.6	8541.1	8642.9	8419.7
17.5°	8373.7	8403.3	8534.6	8472.2	8180.1	7848.5	7809.1	7914.2	8229.3	8619.9	8596.9
20°	8610.1	8633.0	8705.3	8291.7	7759.9	7326.6	7251.1	7372.6	7799.3	8478.8	8731.5
22.5°	8836.6	8849.7	8810.3	8055.3	7306.9	6811.2	6719.3	6847.3	7306.9	8229.3	8846.4
25°	9105.7	9092.6	8905.5	7809.1	6893.3	6404.2	6309.0	6453.4	6932.7	7897.8	8971.1
27.5°	9417.6	9368.3	8987.6	7543.2	6574.9	6102.2	6036.6	6190.8	6637.3	7592.5	9069.6
30°	9683.4	9588.3	9000.7	7306.9	6410.8	5974.2	5934.8	6079.2	6492.8	7385.7	9194.4
32.5°	9978.9	9847.6	9076.2	7244.5	6502.7	6282.8	6335.3	6345.1	6532.2	7326.6	9381.5
35°	10402.3	10231.6	9283.0	7425.1	7448.0	7819.0	8009.4	7753.3	7126.4	7457.9	9736.0
37.5°	11042.4	10825.8	9703.1	8206.3	9401.2	10231.6	10691.2	10106.9	8931.8	7953.6	10271.0
40°	11820.4	11544.6	10241.5	9650.6	11226.2	12555.7	13373.0	12516.3	10789.7	9191.1	11022.7
42.5°	12906.9	12618.0	11285.3	11068.7	12916.7	14896.1	15962.9	14686.0	12427.6	10789.7	12227.4
45°	14800.9	14521.9	13199.0	12490.0	14896.1	17778.2	19275.0	17499.1	14091.9	12394.8	14479.2
47.5°	18300.1	17971.8	16041.7	14065.6	17154.5	21520.2	23614.5	21027.9	15821.8	14233.0	18260.7
50°	22501.7	22186.6	19609.8	15930.1	19649.2	25521.6	28433.2	25173.7	17814.3	16468.4	22780.7
52.5°	27556.8	27497.7	24701.0	18286.9	22245.7	29788.9	33780.5	29765.9	19997.1	19478.5	27901.5
55°	32112.9	32690.7	31167.6	21881.3	25600.4	35149.3	39278.7	34775.1	22958.0	24454.8	33898.6
57.5°	34568.3	36120.9	38461.3	29214.5	30478.2	41556.8	46063.7	40890.4	28045.9	32739.9	39459.2
60°	32946.7	34706.1	38947.2	34735.7	35316.7	46690.6	51663.7	46030.8	33041.9	38490.9	39144.1
62.5°	30248.5	31827.4	35599.0	31512.2	36065.1	47819.8	51795.0	46927.0	35027.8	35572.7	35359.4
65°	27048.0	28640.0	32634.9	27507.6	33685.3	45138.0	47974.1	44291.1	31459.7	32139.2	32218.0
67.5°	22797.1	24267.7	28334.8	24458.1	30704.7	41202.3	42108.2	40535.9	28971.6	30054.8	28922.3
70°	17033.0	18359.2	21950.2	19875.7	25882.7	36075.0	35342.9	35576.0	26178.1	27254.8	24159.4
72.5°	11639.8	12637.7	15716.7	15618.3	19819.9	28879.7	27858.8	30067.9	21864.9	23292.8	18418.2
75°	8140.7	8918.6	11360.8	12339.0	14981.4	21405.3	19839.6	22505.0	17075.7	19114.1	13438.7
77.5°	4996.0	5511.4	7175.6	9141.8	9637.5	14649.9	12322.6	16934.5	11991.1	13940.9	8964.6
80°	2498.0	2747.5	3486.0	5747.7	6391.1	8633.0	6804.7	9831.2	8114.4	8633.0	4959.9
82.5°	755.0	833.8	1020.9	2182.9	3312.1	4969.7	4021.1	5711.6	4431.4	4047.4	1953.1
85°	200.2	226.5	282.3	646.7	1162.0	1782.4	1359.0	2767.2	2123.8	1493.5	735.3
87.5°	16.4	16.4	13.1	13.1	6.6	0.0	0.0	197.0	397.2	226.5	128.0
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°	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3
2.5°	6266.3	6253.2	6118.6	6020.2	5905.3	5793.7	5678.8	5577.0	5462.1	5347.2	5314.4
5°	6771.8	6679.9	6394.4	6154.7	5918.4	5711.6	5531.1	5344.0	5193.0	5045.2	4989.4
7.5°	7218.3	7057.4	6643.8	6279.5	5951.2	5695.2	5429.3	5156.8	4943.5	4733.4	4680.9
10°	7622.0	7408.7	6886.7	6427.2	6062.8	5770.7	5458.8	5094.5	4785.9	4529.9	4461.0
12.5°	7920.7	7687.7	7096.8	6568.3	6154.7	5826.5	5517.9	5196.2	4871.3	4539.7	4464.2
15°	8157.1	7914.2	7270.8	6676.7	6158.0	5734.6	5435.9	5324.3	5222.5	4897.5	4759.7
17.5°	8347.5	8091.4	7421.8	6742.3	6069.4	5455.6	5196.2	5360.4	5619.7	5416.2	5156.8
20°	8521.4	8262.1	7536.7	6788.3	5872.4	5071.5	4927.1	5275.0	5665.6	5659.1	5426.0
22.5°	8711.8	8459.1	7704.1	6814.5	5596.7	4680.9	4766.2	5150.3	5468.7	5563.9	5419.4
25°	8954.7	8731.5	7937.1	6873.6	5284.9	4411.7	4648.1	4989.4	5255.3	5278.3	5193.0
27.5°	9237.0	9069.6	8285.1	7011.5	4982.9	4273.8	4510.2	4762.9	5005.9	5015.7	4913.9
30°	9545.6	9434.0	8606.8	7126.4	4756.4	4231.2	4332.9	4536.4	4690.7	4717.0	4628.4
32.5°	9939.5	9841.0	8892.4	7050.9	4621.8	4221.3	4168.8	4273.8	4401.9	4401.9	4332.9
35°	10481.1	10343.2	9194.4	6762.0	4457.7	4181.9	3994.8	4024.4	4080.2	4090.0	4050.6
37.5°	11249.2	11022.7	9499.6	6190.8	4188.5	4040.8	3794.6	3758.5	3778.2	3804.4	3794.6
40°	12201.1	11830.2	9946.1	5504.8	3866.8	3768.3	3587.8	3518.9	3502.5	3555.0	3574.7
42.5°	13399.3	12831.4	10425.3	4864.7	3574.7	3456.5	3344.9	3285.8	3259.5	3348.2	3400.7
45°	15313.0	14377.5	10884.9	4231.2	3410.5	3190.6	3115.1	3072.4	3085.6	3190.6	3256.3
47.5°	18618.5	16737.6	11321.4	3830.7	3397.4	3000.2	2908.3	2918.2	2954.3	3065.9	3144.7
50°	22800.4	19898.7	11613.6	3663.3	3436.8	2885.3	2763.9	2816.4	2872.2	2980.5	3072.4
52.5°	27057.9	22843.1	11265.6	3571.4	3433.5	2888.6	2629.3	2786.9	2813.1	2921.4	3019.9
55°	29985.9	23171.3	9732.7	3430.2	3381.0	3019.9	2524.3	2773.7	2790.1	2888.6	2977.3
57.5°	31101.9	22048.7	7421.8	3469.6	3223.4	3121.7	2478.3	2681.8	2800.0	2885.3	2977.3
60°	29752.8	19931.5	4510.2	3571.4	2970.7	3115.1	2507.8	2514.4	2717.9	2862.4	2954.3
62.5°	27208.9	17213.6	3167.6	3282.5	2786.9	2941.1	2576.8	2317.5	2573.5	2747.5	2829.5
65°	24294.0	14016.4	2415.9	2826.3	2698.2	2672.0	2599.8	2143.5	2376.5	2547.2	2619.5
67.5°	21257.6	10894.7	1962.9	2107.4	2438.9	2415.9	2376.5	1989.2	2143.5	2264.9	2347.0
70°	17433.5	7622.0	1657.7	1582.2	2091.0	2166.5	2077.8	1795.5	1844.8	1969.5	2035.2
72.5°	12752.6	4749.8	1362.2	1306.4	1680.7	1894.0	1848.1	1582.2	1605.2	1723.3	1775.8
75°	9171.4	2717.9	1093.1	1076.7	1283.5	1621.6	1529.7	1362.2	1388.5	1477.1	1513.2
77.5°	5829.8	1513.2	843.6	866.6	919.1	1211.3	1306.4	1165.3	1165.3	1217.8	1247.4
80°	3121.7	866.6	617.1	627.0	643.4	925.7	1030.7	902.7	902.7	866.6	902.7
82.5°	1273.6	498.9	423.4	393.9	430.0	633.5	722.2	574.4	600.7	541.6	554.7
85°	420.2	249.5	210.1	206.8	203.5	279.0	347.9	285.6	341.4	216.6	226.5
87.5°	55.8	46.0	26.3	19.7	23.0	9.8	19.7	23.0	23.0	16.4	16.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3
2.5°	5291.4	5265.2	5170.0	5193.0	5176.5	5150.3	5176.5	5127.3	5166.7	5179.8	5261.9
5°	4946.8	4884.4	4792.5	4746.5	4736.7	4710.4	4713.7	4690.7	4697.3	4753.1	4845.0
7.5°	4638.2	4579.1	4506.9	4474.1	4444.5	4415.0	4411.7	4408.4	4434.7	4483.9	4572.6
10°	4415.0	4382.2	4352.6	4365.8	4352.6	4339.5	4316.5	4316.5	4359.2	4447.8	4556.1
12.5°	4415.0	4408.4	4415.0	4454.4	4451.1	4454.4	4424.8	4441.3	4559.4	4710.4	4864.7
15°	4651.3	4598.8	4598.8	4618.5	4611.9	4611.9	4611.9	4680.9	4950.0	5183.1	5347.2
17.5°	4940.2	4785.9	4720.3	4710.4	4707.1	4707.1	4720.3	4868.0	5288.1	5534.3	5629.5
20°	5140.4	4848.3	4740.0	4697.3	4700.6	4707.1	4746.5	4950.0	5412.9	5537.6	5514.6
22.5°	5176.5	4799.1	4667.8	4605.4	4615.2	4621.8	4680.9	4897.5	5242.2	5261.9	5215.9
25°	5009.1	4661.2	4520.0	4470.8	4483.9	4480.6	4533.2	4690.7	4936.9	4930.4	4904.1
27.5°	4759.7	4441.3	4336.2	4303.4	4326.4	4300.1	4316.5	4438.0	4628.4	4621.8	4611.9
30°	4503.6	4227.9	4132.7	4116.3	4145.8	4106.4	4109.7	4211.5	4342.8	4336.2	4332.9
32.5°	4247.6	4014.5	3929.2	3929.2	3958.7	3916.1	3922.6	4011.2	4099.9	4073.6	4073.6
35°	4004.7	3840.6	3771.6	3758.5	3781.5	3751.9	3765.1	3847.1	3879.9	3843.8	3820.9
37.5°	3791.3	3719.1	3650.2	3604.2	3607.5	3610.8	3650.2	3712.5	3692.8	3640.3	3610.8
40°	3594.4	3594.4	3528.7	3443.4	3433.5	3456.5	3522.1	3591.1	3535.3	3476.2	3440.1
42.5°	3453.2	3482.8	3420.4	3335.0	3315.4	3354.7	3427.0	3476.2	3410.5	3344.9	3295.7
45°	3321.9	3394.1	3351.5	3256.3	3230.0	3276.0	3367.9	3387.6	3298.9	3236.6	3200.5
47.5°	3230.0	3328.5	3298.9	3207.0	3167.6	3233.3	3328.5	3325.2	3213.6	3147.9	3118.4
50°	3164.4	3289.1	3285.8	3207.0	3164.4	3246.4	3331.8	3289.1	3167.6	3098.7	3069.2
52.5°	3111.8	3285.8	3308.8	3262.8	3233.3	3305.5	3358.0	3276.0	3134.8	3062.6	3039.6
55°	3088.9	3298.9	3315.4	3272.7	3246.4	3312.1	3358.0	3302.2	3134.8	3069.2	3049.5
57.5°	3095.4	3282.5	3285.8	3226.7	3180.8	3262.8	3335.0	3318.6	3170.9	3095.4	3072.4
60°	3056.0	3193.9	3200.5	3108.6	3056.0	3154.5	3282.5	3272.7	3154.5	3075.7	3033.1
62.5°	2924.7	3046.2	3049.5	2964.1	2888.6	3029.8	3170.9	3167.6	3059.3	2980.5	2931.3
65°	2704.8	2832.8	2865.6	2783.6	2724.5	2875.5	3023.2	3016.6	2908.3	2836.1	2786.9
67.5°	2432.4	2570.2	2632.6	2576.8	2553.8	2691.7	2829.5	2826.3	2737.6	2668.7	2626.0
70°	2100.8	2215.7	2320.7	2320.7	2304.3	2461.9	2609.6	2596.5	2514.4	2461.9	2429.1
72.5°	1825.1	1913.7	1946.5	1979.4	2028.6	2192.7	2317.5	2327.3	2268.2	2242.0	2268.2
75°	1552.6	1608.4	1638.0	1611.7	1697.1	1867.8	2031.9	2048.3	1985.9	1943.3	1953.1
77.5°	1276.9	1339.3	1368.8	1309.7	1303.2	1519.8	1720.0	1756.2	1703.6	1638.0	1657.7
80°	922.4	1004.5	1053.7	1014.3	1001.2	1096.4	1372.1	1411.5	1362.2	1309.7	1339.3
82.5°	564.6	610.5	623.7	663.1	745.1	784.5	883.0	1014.3	978.2	932.2	1014.3
85°	223.2	265.9	295.4	334.8	390.6	462.8	544.9	649.9	590.9	571.2	672.9
87.5°	13.1	3.3	0.0	6.6	55.8	108.3	233.1	321.7	269.2	288.9	347.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3	5754.3
2.5°	5327.5	5412.9	5527.8	5623.0	5744.4	5859.3	5977.5	6095.6	6158.0	6184.3
5°	4950.0	5107.6	5291.4	5494.9	5731.3	5980.8	6233.5	6492.8	6657.0	6670.1
7.5°	4723.6	4950.0	5202.8	5458.8	5751.0	6095.6	6496.1	6896.6	7064.0	7109.9
10°	4795.8	5048.5	5248.8	5488.4	5810.1	6240.1	6712.8	7182.2	7375.8	7431.6
12.5°	5084.6	5133.9	5196.2	5416.2	5810.1	6364.8	6936.0	7494.0	7700.8	7753.3
15°	5324.3	5087.9	4976.3	5209.4	5731.3	6473.1	7172.3	7789.4	8038.9	8088.1
17.5°	5344.0	4936.9	4694.0	4904.1	5593.4	6548.6	7398.8	8117.7	8327.8	8373.7
20°	5143.7	4776.1	4461.0	4589.0	5406.3	6581.5	7562.9	8357.3	8564.1	8610.1
22.5°	4917.2	4644.8	4303.4	4296.8	5179.8	6617.6	7759.9	8583.8	8807.0	8836.6
25°	4703.9	4464.2	4175.4	4083.5	4917.2	6686.5	8025.8	8925.2	9095.9	9105.7
27.5°	4454.4	4270.6	4073.6	3985.0	4687.4	6817.8	8419.7	9332.2	9434.0	9417.6
30°	4227.9	4090.0	4001.4	3975.1	4543.0	6916.3	8793.9	9732.7	9739.3	9683.4
32.5°	3988.3	3935.7	3935.7	4021.1	4424.8	6893.3	9099.2	10123.3	10060.9	9978.9
35°	3774.9	3784.8	3853.7	4053.9	4227.9	6663.5	9391.3	10612.4	10520.5	10402.3
37.5°	3571.4	3646.9	3745.4	3939.0	3968.6	6322.1	9732.7	11305.0	11190.1	11042.4
40°	3397.4	3512.3	3627.2	3722.4	3692.8	5836.3	10208.7	12119.1	11991.1	11820.4
42.5°	3259.5	3371.2	3499.2	3509.0	3518.9	5330.8	10714.2	13117.0	13094.0	12906.9
45°	3170.9	3243.1	3364.6	3348.2	3509.0	4772.8	11180.3	14640.1	14942.1	14800.9
47.5°	3111.8	3167.6	3180.8	3249.7	3594.4	4273.8	11781.0	17620.6	18460.9	18300.1
50°	3079.0	3134.8	2987.1	3256.3	3607.5	3952.2	12611.5	21362.7	22715.1	22501.7
52.5°	3075.7	3062.6	2839.4	3325.2	3535.3	3755.2	13044.8	24093.7	27094.0	27556.8
55°	3082.3	2918.2	2763.9	3344.9	3390.8	3683.0	11593.9	25406.7	31134.7	32112.9
57.5°	3023.2	2760.6	2806.6	3266.1	3118.4	3876.7	8570.7	24937.3	32749.8	34568.3
60°	2911.6	2609.6	2885.3	3052.7	2839.4	3545.1	5902.0	22843.1	31075.7	32946.7
62.5°	2750.8	2504.6	2875.5	2777.0	2737.6	2901.8	4057.2	19911.8	28420.1	30248.5
65°	2570.2	2419.2	2721.2	2511.1	2534.1	2232.1	2868.9	16603.0	25249.2	27048.0
67.5°	2376.5	2366.7	2494.7	2235.4	2140.2	1769.3	2091.0	13307.4	21175.6	22797.1
70°	2156.6	2228.8	2268.2	1985.9	1736.5	1388.5	1552.6	9306.0	15621.5	17033.0
72.5°	1936.7	1943.3	1999.1	1726.6	1299.9	1112.8	1165.3	5636.1	10612.4	11639.8
75°	1713.5	1651.1	1703.6	1404.9	968.3	912.5	899.4	3482.8	7329.9	8140.7
77.5°	1473.9	1404.9	1336.0	1057.0	778.0	705.7	689.3	1953.1	4497.1	4996.0
80°	1198.1	1106.2	997.9	774.7	567.9	505.5	502.2	951.9	2242.0	2498.0
82.5°	932.2	758.3	728.7	482.5	351.2	308.6	328.3	364.4	676.2	755.0
85°	653.2	551.5	387.3	193.7	157.6	128.0	124.7	108.3	180.5	200.2
87.5°	364.4	239.6	124.7	23.0	26.3	29.5	23.0	16.4	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)