

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: P643817

Luminaire Tested: GWS-SA6F-760-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643817  
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-SA6F-760-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

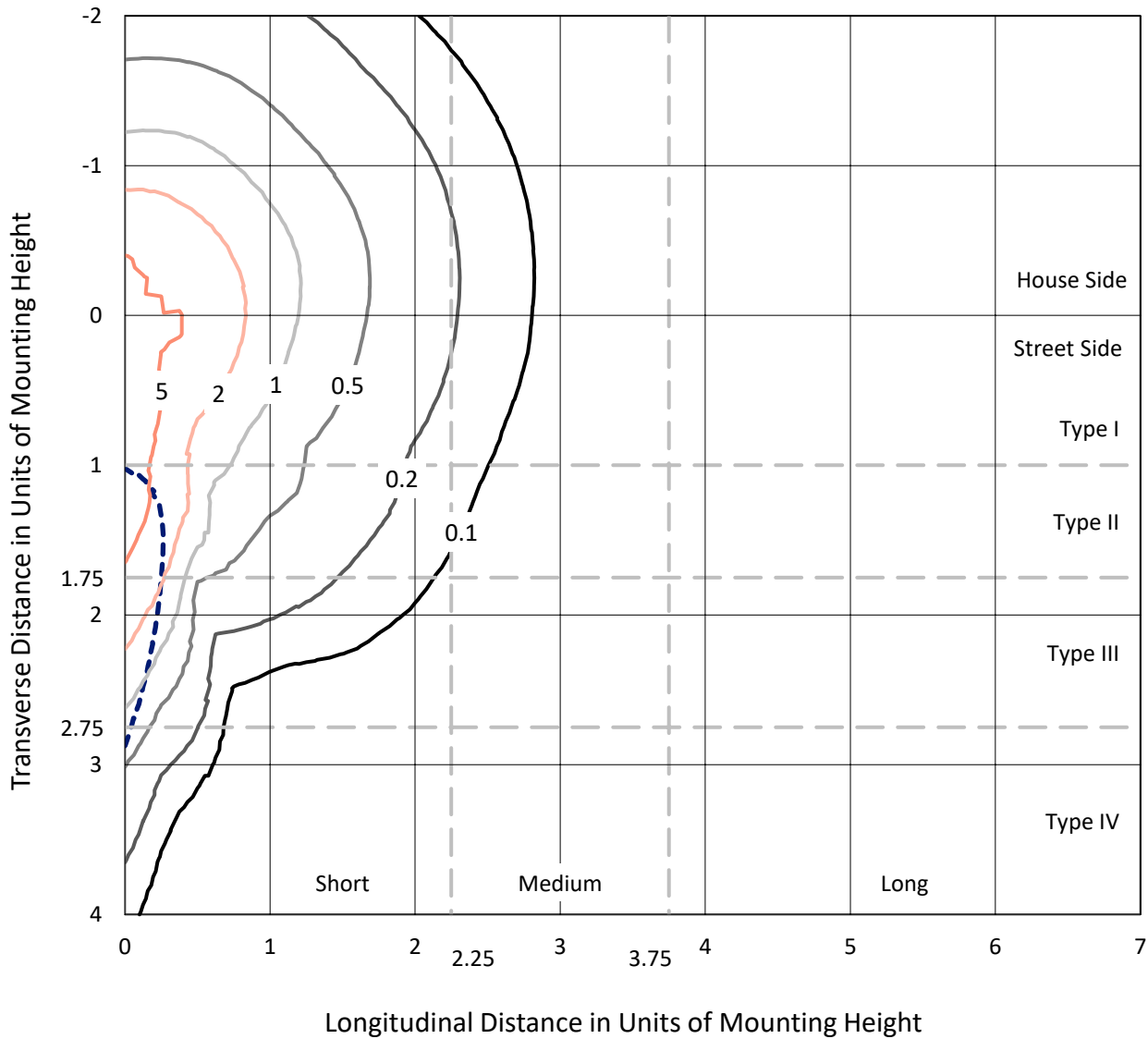
Lumens per Lamp: N/A  
Luminaire Lumens: 47061.4 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): 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

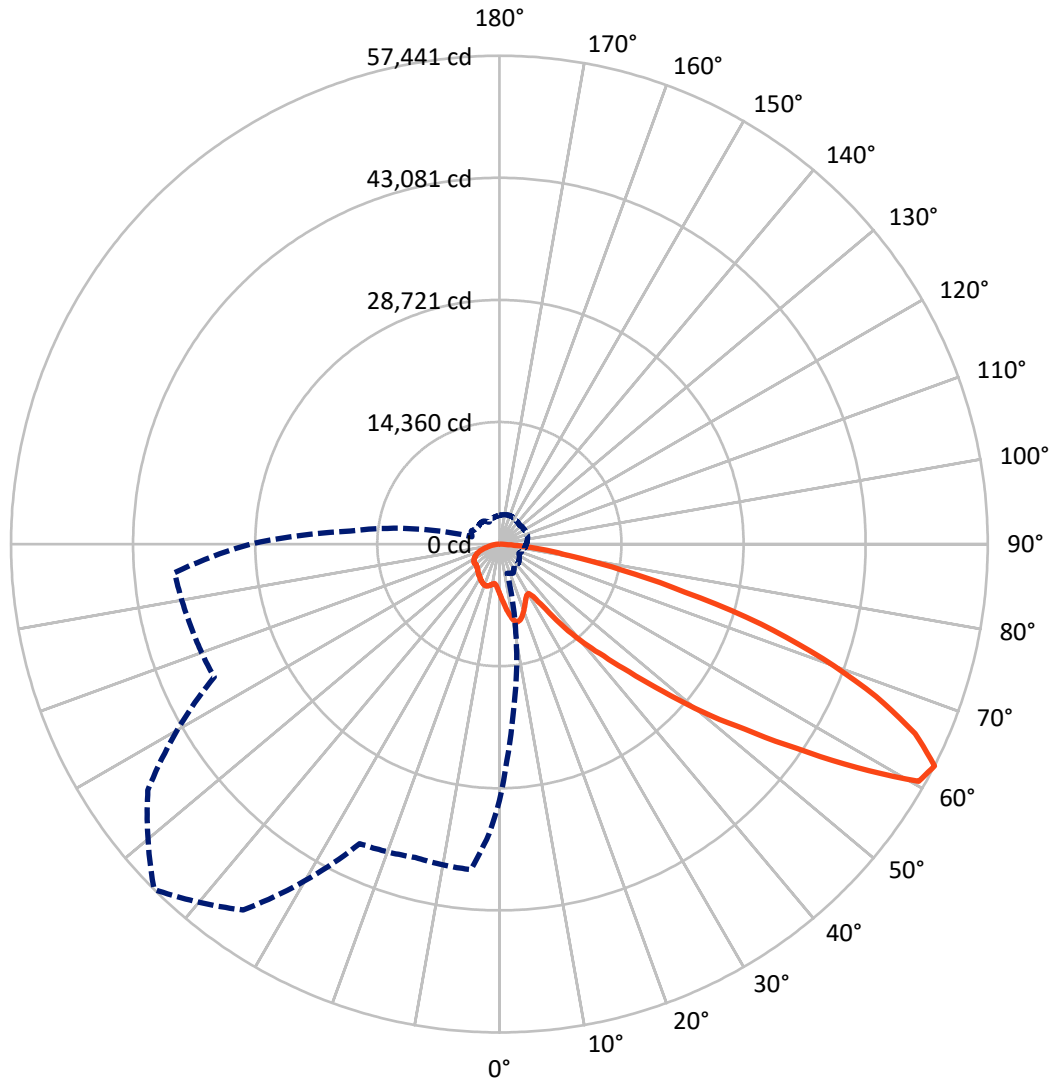
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.7 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
<b>House Side</b>	Lumens	11252.4	0.0	11252.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	35809.0	0.0	35809.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	47061.4	0.0	47061.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	578.0	1.2
10°-20°	1878.6	4.0
20°-30°	2957.4	6.3
30°-40°	4053.7	8.6
40°-50°	6325.0	13.4
50°-60°	10905.6	23.2
60°-70°	12638.2	26.9
70°-80°	6671.0	14.2
80°-90°	1053.8	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°	47061.4	100.0
0°-180°	47061.4	100.0

**Coefficient of Utilization**



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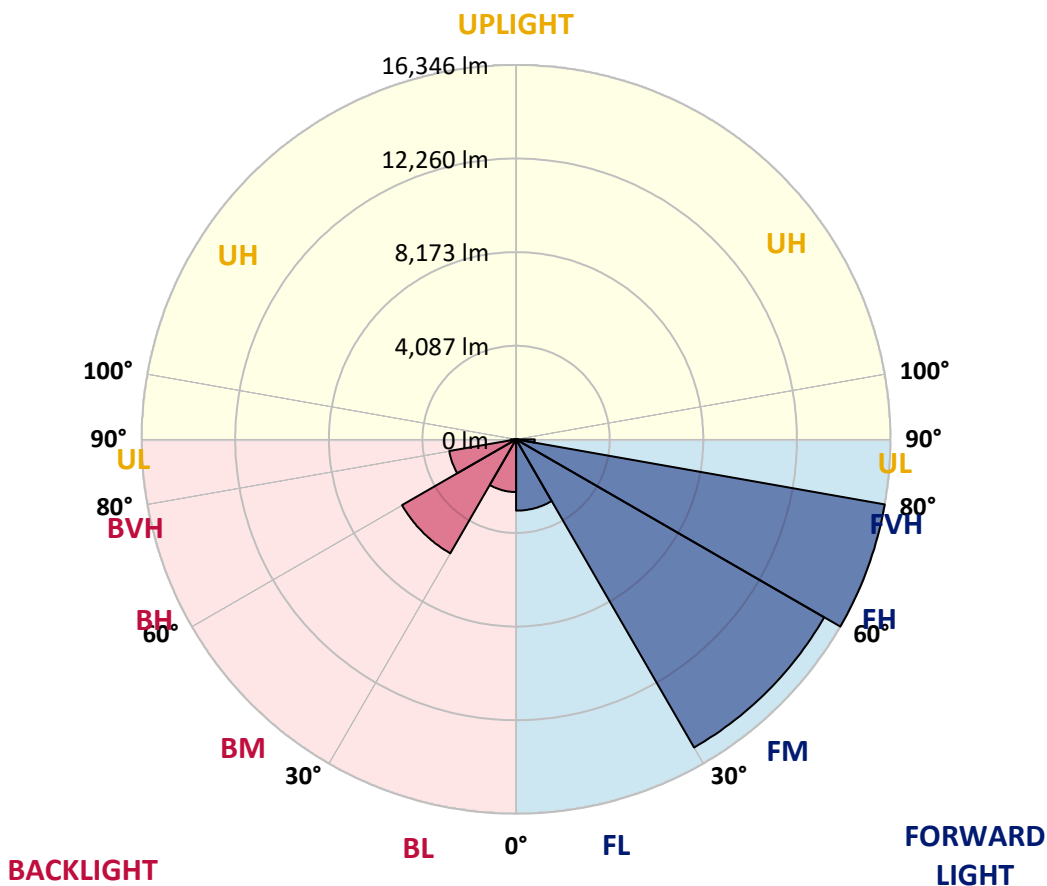
CATALOG NUMBER: GWS-SA6F-760-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3112.5	6.6			
FM (30°-60°)	15536.6	33.0			
FH (60°-80°)	16346.4	34.7			G5
FVH (80°-90°)	813.4	1.7			G5
BL (0°-30°)	2301.5	4.9	B3/2500		
BM (30°-60°)	5747.7	12.2	B4/8500		
BH (60°-80°)	2962.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	240.4	0.5			G3/500
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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6
2.5°	6375.1	6349.9	6314.0	6191.6	6116.0	6029.6	5939.6	5835.2	5716.4	5633.6	5550.8
5°	6915.1	6875.5	6789.1	6497.5	6296.0	6076.4	5892.8	5684.0	5478.8	5338.4	5198.0
7.5°	7433.5	7383.1	7249.9	6803.5	6475.9	6159.2	5882.0	5579.6	5273.6	5064.8	4899.3
10°	7951.8	7847.4	7678.3	7095.1	6663.1	6296.0	5979.2	5608.4	5201.6	4917.2	4740.9
12.5°	8347.8	8250.6	8067.0	7361.5	6850.3	6389.5	6033.2	5691.2	5345.6	5043.2	4863.3
15°	8718.6	8592.6	8383.8	7609.9	7005.1	6385.9	5925.2	5626.4	5576.0	5500.4	5266.4
17.5°	8985.0	8869.8	8653.8	7811.4	7091.5	6274.4	5626.4	5450.0	5676.8	5907.2	5684.0
20°	9218.9	9085.8	8866.2	7951.8	7109.5	6026.0	5262.8	5266.4	5622.8	5939.6	5885.6
22.5°	9416.9	9269.3	9075.0	8110.2	7102.3	5680.4	4946.0	5162.0	5518.4	5766.8	5774.0
25°	9661.7	9539.3	9377.3	8344.2	7102.3	5327.6	4715.7	5036.0	5342.0	5550.8	5543.6
27.5°	9960.5	9877.7	9744.5	8700.6	7167.1	5032.4	4586.1	4874.1	5115.2	5295.2	5291.6
30°	10295.3	10219.7	10118.9	9078.6	7278.7	4812.9	4514.1	4672.5	4848.9	4992.8	4992.8
32.5°	10637.2	10608.4	10500.5	9380.9	7192.3	4744.5	4452.9	4470.9	4564.5	4683.3	4672.5
35°	11112.4	11083.6	10946.8	9614.9	6817.9	4647.3	4355.7	4265.7	4276.5	4352.1	4377.3
37.5°	11807.2	11764.0	11562.4	9888.5	6252.8	4402.5	4197.3	4049.7	4017.3	4049.7	4096.5
40°	12645.9	12581.1	12307.5	10259.3	5601.2	4071.3	3948.9	3826.5	3772.5	3783.3	3837.3
42.5°	13697.0	13560.2	13167.9	10651.6	4956.8	3779.7	3671.7	3596.1	3534.9	3527.7	3632.1
45°	15403.3	15028.9	14406.2	11000.8	4413.3	3624.9	3423.4	3369.4	3319.0	3347.8	3470.2
47.5°	18383.9	17692.7	16479.6	11299.6	4082.1	3628.5	3225.4	3167.8	3164.2	3221.8	3358.6
50°	22480.4	21483.3	19611.4	11501.2	3909.3	3671.7	3106.6	3013.0	3081.4	3139.0	3268.6
52.5°	26404.1	24881.4	22653.2	11497.6	3833.7	3678.9	3139.0	2869.0	3081.4	3095.8	3218.2
55°	29755.5	26998.1	23473.9	10316.9	3725.7	3650.1	3265.0	2757.4	3041.8	3095.8	3193.0
57.5°	32419.3	28344.4	23412.7	8333.4	4053.3	3491.8	3340.6	2732.2	2926.6	3103.0	3214.6
60°	32124.1	27728.8	21904.4	5115.2	4020.9	3211.0	3329.8	2779.0	2732.2	3005.8	3189.4
62.5°	30162.3	25522.2	19309.0	3549.3	3776.1	3049.0	3153.4	2861.8	2552.2	2865.4	3067.0
65°	27415.6	22674.8	16090.9	2721.4	3128.2	3056.2	2854.6	2804.2	2393.8	2642.2	2858.2
67.5°	23783.5	19143.4	12703.5	2156.2	2181.4	2645.8	2591.8	2491.0	2246.2	2444.2	2638.6
70°	17879.9	13970.6	8740.2	1735.1	1652.3	2210.2	2329.0	2239.0	2102.3	2159.8	2365.0
72.5°	12599.1	9121.8	4787.7	1375.1	1274.3	1699.1	2023.1	2008.7	1857.5	1900.7	2102.3
75°	9362.9	6454.3	2991.4	1087.1	1036.7	1216.7	1695.5	1738.7	1612.7	1663.1	1817.9
77.5°	6231.2	4179.3	1663.1	806.3	806.3	889.1	1263.5	1465.1	1371.5	1411.1	1519.1
80°	3437.8	2127.4	831.5	529.2	543.6	612.0	921.5	1054.7	1058.3	1155.5	1184.3
82.5°	1087.1	676.8	370.8	309.6	291.6	349.2	594.0	755.9	705.5	899.9	827.9
85°	248.4	158.4	68.4	68.4	75.6	115.2	226.8	403.2	514.8	619.2	450.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	158.4	234.0	208.8
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°	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6
2.5°	5500.4	5428.4	5406.8	5345.6	5338.4	5280.8	5259.2	5259.2	5284.4	5284.4	5309.6
5°	5140.4	5050.4	5000.0	4928.0	4910.1	4866.9	4838.1	4841.7	4874.1	4895.7	4938.8
7.5°	4823.7	4762.5	4726.5	4694.1	4686.9	4679.7	4647.3	4643.7	4654.5	4686.9	4719.3
10°	4690.5	4647.3	4658.1	4683.3	4722.9	4744.5	4715.7	4701.3	4690.5	4712.1	4740.9
12.5°	4820.1	4776.9	4798.5	4841.7	4895.7	4917.2	4906.5	4902.9	4913.7	4996.4	5057.6
15°	5104.4	5021.6	4992.8	5010.8	5054.0	5075.6	5064.8	5079.2	5147.6	5363.6	5518.4
17.5°	5457.2	5255.6	5140.4	5108.0	5126.0	5144.0	5144.0	5180.0	5298.8	5615.6	5810.0
20°	5648.0	5385.2	5190.8	5111.6	5118.8	5136.8	5136.8	5187.2	5320.4	5658.8	5784.8
22.5°	5597.6	5356.4	5118.8	5032.4	5036.0	5050.4	5050.4	5093.6	5212.4	5511.2	5568.8
25°	5399.6	5187.2	4953.2	4877.7	4884.9	4910.1	4902.9	4928.0	5018.0	5262.8	5295.2
27.5°	5162.0	4974.8	4744.5	4686.9	4719.3	4769.7	4726.5	4730.1	4812.9	5018.0	5021.6
30°	4906.5	4751.7	4546.5	4503.3	4564.5	4589.7	4550.1	4550.1	4632.9	4773.3	4769.7
32.5°	4629.3	4532.1	4384.5	4337.7	4406.1	4445.7	4395.3	4402.5	4467.3	4560.9	4524.9
35°	4370.1	4319.7	4251.3	4218.9	4262.1	4298.1	4265.7	4280.1	4341.3	4366.5	4316.1
37.5°	4121.7	4114.5	4121.7	4121.7	4132.5	4143.3	4121.7	4157.7	4211.7	4179.3	4121.7
40°	3905.7	3934.5	4002.9	3984.9	3974.1	3984.9	3970.5	4031.7	4085.7	4028.1	3959.7
42.5°	3725.7	3779.7	3884.1	3884.1	3862.5	3869.7	3862.5	3938.1	3977.7	3898.5	3822.9
45°	3570.9	3650.1	3783.3	3801.3	3765.3	3765.3	3779.7	3873.3	3887.7	3779.7	3700.5
47.5°	3463.0	3560.1	3711.3	3743.7	3689.7	3686.1	3725.7	3826.5	3826.5	3700.5	3610.5
50°	3387.4	3495.4	3675.3	3718.5	3664.5	3650.1	3714.9	3812.1	3790.5	3639.3	3549.3
52.5°	3337.0	3448.6	3671.7	3732.9	3696.9	3682.5	3747.3	3815.7	3761.7	3599.7	3506.2
55°	3304.6	3427.0	3682.5	3732.9	3693.3	3668.1	3732.9	3794.1	3765.3	3578.1	3488.2
57.5°	3322.6	3445.0	3668.1	3693.3	3646.5	3603.3	3678.9	3765.3	3754.5	3585.3	3495.4
60°	3293.8	3405.4	3588.9	3596.1	3516.9	3448.6	3560.1	3689.7	3689.7	3560.1	3481.0
62.5°	3160.6	3272.2	3434.2	3441.4	3351.4	3275.8	3405.4	3560.1	3556.5	3452.2	3369.4
65°	2941.0	3045.4	3229.0	3247.0	3157.0	3077.8	3211.0	3355.0	3365.8	3272.2	3200.2
67.5°	2699.8	2793.4	2930.2	3002.2	2926.6	2843.8	2966.2	3103.0	3099.4	2987.8	2912.2
70°	2411.8	2498.2	2624.2	2685.4	2638.6	2559.4	2671.0	2743.0	2710.6	2656.6	2606.2
72.5°	2127.4	2210.2	2329.0	2329.0	2278.6	2203.0	2235.4	2365.0	2404.6	2365.0	2332.6
75°	1828.7	1900.7	1983.5	2001.5	1889.9	1753.1	1904.3	2015.9	2062.7	2044.7	2005.1
77.5°	1522.7	1576.7	1699.1	1666.7	1457.9	1385.9	1508.3	1673.9	1706.3	1695.5	1641.5
80°	1173.5	1205.9	1335.5	1270.7	1108.7	1061.9	1115.9	1245.5	1252.7	1216.7	1148.3
82.5°	788.3	831.5	917.9	791.9	788.3	745.1	702.0	716.3	781.1	773.9	727.1
85°	403.2	424.8	507.6	475.2	406.8	352.8	334.8	356.4	320.4	291.6	252.0
87.5°	169.2	183.6	252.0	140.4	43.2	0.0	0.0	21.6	32.4	46.8	50.4
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°	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6
2.5°	5367.2	5406.8	5504.0	5626.4	5745.2	5867.6	6000.8	6083.6	6184.4	6314.0	6317.6
5°	4992.8	5082.8	5223.2	5410.4	5604.8	5828.0	6087.2	6303.2	6562.3	6767.5	6850.3
7.5°	4762.5	4892.1	5068.4	5306.0	5561.6	5838.8	6177.2	6540.7	6965.5	7239.1	7401.1
10°	4784.1	4982.0	5158.4	5360.0	5590.4	5889.2	6324.7	6807.1	7329.1	7689.1	7890.6
12.5°	5169.2	5378.0	5345.6	5334.8	5489.6	5853.2	6443.5	7077.1	7714.3	8074.2	8315.4
15°	5655.2	5734.4	5428.4	5198.0	5291.6	5723.6	6508.3	7318.3	8034.6	8473.8	8711.4
17.5°	5903.6	5745.2	5374.4	5028.8	5003.6	5525.6	6540.7	7563.1	8394.6	8833.8	9085.8
20°	5788.4	5558.0	5244.8	4917.2	4737.3	5255.6	6522.7	7757.4	8722.2	9211.7	9416.9
22.5°	5540.0	5338.4	5093.6	4780.5	4521.3	4960.4	6475.9	7951.8	9013.8	9506.9	9686.9
25°	5270.0	5118.8	4917.2	4643.7	4398.9	4701.3	6443.5	8211.0	9348.5	9820.1	9935.3
27.5°	5000.0	4888.5	4722.9	4510.5	4370.1	4521.3	6454.3	8549.4	9780.5	10226.9	10180.1
30°	4733.7	4636.5	4521.3	4427.7	4366.5	4478.1	6425.5	8909.4	10255.7	10669.6	10392.5
32.5°	4481.7	4391.7	4319.7	4334.1	4370.1	4496.1	6278.0	9236.9	10691.2	11044.0	10622.8
35°	4265.7	4172.1	4172.1	4222.5	4355.7	4434.9	5896.4	9492.5	11173.6	11526.4	10950.4
37.5°	4064.1	3981.3	4035.3	4118.1	4244.1	4269.3	5406.8	9740.9	11875.6	12206.7	11458.0
40°	3887.7	3804.9	3902.1	4006.5	4071.3	4060.5	4910.1	10086.5	12703.5	13045.5	12131.1
42.5°	3747.3	3671.7	3758.1	3891.3	3902.1	3912.9	4546.5	10417.7	13664.6	14100.2	13290.3
45°	3632.1	3578.1	3621.3	3754.5	3754.5	3920.1	4319.7	10694.8	15111.7	15882.1	15417.7
47.5°	3542.1	3509.8	3531.3	3574.5	3646.5	4049.7	4175.7	10907.2	17746.7	19258.6	18790.7
50°	3491.8	3459.4	3488.2	3398.2	3614.1	4114.5	4128.9	11069.2	21220.5	23589.1	23009.6
52.5°	3448.6	3437.8	3455.8	3247.0	3686.1	4071.3	4092.9	10853.2	23549.5	27851.2	28423.6
55°	3434.2	3441.4	3355.0	3135.4	3772.5	3927.3	3984.9	9308.9	24183.1	31526.6	35079.5
57.5°	3441.4	3419.8	3200.2	3146.2	3776.1	3639.3	4139.7	6641.5	23261.5	33124.8	41591.4
60°	3416.2	3308.2	3013.0	3243.4	3610.5	3301.0	4028.1	4330.5	20831.7	31897.3	41969.4
62.5°	3304.6	3146.2	2851.0	3297.4	3315.4	3099.4	3657.3	3337.0	17591.9	29269.5	38326.5
65°	3142.6	2930.2	2714.2	3185.8	3016.6	3005.8	2750.2	2674.6	14147.0	26141.3	34870.7
67.5°	2876.2	2663.8	2613.4	2930.2	2714.2	2663.8	2210.2	2217.4	11288.8	22808.0	31397.0
70°	2573.8	2361.4	2401.0	2649.4	2415.4	2213.8	1789.1	1846.7	8563.8	19003.0	26713.7
72.5°	2375.8	2091.5	2095.1	2332.6	2123.8	1792.7	1472.3	1522.7	5435.6	14323.4	21238.5
75°	2005.1	1843.1	1763.9	1889.9	1803.5	1396.7	1238.3	1227.5	3221.8	10266.5	15903.7
77.5°	1673.9	1547.9	1508.3	1558.7	1346.3	1033.1	997.1	979.1	1825.1	6576.7	10421.3
80°	1213.1	1180.7	1177.1	1202.3	1036.7	759.5	759.5	763.1	982.7	3570.9	5874.8
82.5°	770.3	842.3	745.1	827.9	705.5	540.0	504.0	572.4	565.2	1522.7	2476.6
85°	320.4	439.2	410.4	435.6	334.8	295.2	316.8	342.0	327.6	586.8	964.7
87.5°	61.2	72.0	79.2	75.6	75.6	93.6	104.4	126.0	126.0	169.2	291.6
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°	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6	5867.6
2.5°	6454.3	6558.7	6537.1	6583.9	6522.7	6544.3	6421.9	6389.5	6367.9	6375.1
5°	7116.7	7329.1	7368.7	7447.9	7393.9	7393.9	7177.9	7015.9	6958.3	6915.1
7.5°	7789.8	8095.8	8297.4	8319.0	8290.2	8232.6	7919.4	7627.9	7523.5	7433.5
10°	8387.4	8754.6	8981.4	9089.4	9035.4	8945.4	8556.6	8157.0	8031.0	7951.8
12.5°	8844.6	9168.5	9319.7	9391.7	9384.5	9352.1	9035.4	8603.4	8470.2	8347.8
15°	9139.7	9301.7	9244.1	9240.5	9290.9	9420.5	9323.3	8985.0	8830.2	8718.6
17.5°	9330.5	9175.7	8920.2	8801.4	8909.4	9215.3	9438.5	9247.7	9107.4	8985.0
20°	9398.9	8848.2	8477.4	8257.8	8383.8	8826.6	9377.3	9438.5	9319.7	9218.9
22.5°	9319.7	8448.6	7944.6	7685.5	7807.8	8337.0	9197.3	9593.3	9514.1	9416.9
25°	9125.4	8031.0	7426.3	7192.3	7325.5	7865.4	8877.0	9737.3	9740.9	9661.7
27.5°	8884.2	7645.9	7062.7	6843.1	6972.7	7476.7	8563.8	9863.3	9989.3	9960.5
30°	8639.4	7415.5	6889.9	6735.1	6832.3	7278.7	8243.4	9992.9	10244.9	10295.3
32.5°	8527.8	7527.1	7296.7	7365.1	7239.1	7393.9	8128.2	10176.5	10554.4	10637.2
35°	8675.4	8517.0	9100.2	9370.1	8923.8	8337.0	8275.8	10453.7	10990.0	11112.4
37.5°	9391.7	10637.2	11508.4	12458.7	11684.8	10392.5	9006.6	10925.2	11612.8	11807.2
40°	10950.4	12487.5	14060.6	15288.1	14118.2	12379.5	10396.1	11627.2	12469.5	12645.9
42.5°	12419.1	14222.6	16389.6	17977.1	16458.0	14003.0	11893.6	12807.9	13599.8	13697.0
45°	13859.0	15925.3	19208.2	21414.9	19352.2	15547.3	13423.4	14802.1	15399.7	15403.3
47.5°	15547.3	17843.9	22743.2	25885.8	23193.1	17257.2	14859.7	17959.1	18790.7	18383.9
50°	17566.7	19751.8	26382.5	31087.4	27876.4	19359.4	16684.8	21807.2	22941.2	22480.4
52.5°	20270.2	21854.0	30392.6	36159.4	32980.9	21753.3	19330.6	26890.1	27264.5	26404.1
55°	24075.1	24888.6	35540.3	42423.0	38679.2	24701.4	23200.3	33268.8	32221.3	29755.5
57.5°	32739.7	29690.7	42149.4	49568.5	45126.4	30057.9	31681.3	40302.7	36577.0	32419.3
60°	39989.6	35522.3	48265.4	56660.0	50652.0	35961.4	39644.0	41526.6	36415.0	32124.1
62.5°	37545.3	37009.0	50472.0	57441.1	52538.3	38866.4	38164.5	38441.7	34039.2	30162.3
65°	32941.3	34140.0	48502.9	53737.0	50446.8	36263.8	34521.5	35590.7	31321.4	27415.6
67.5°	30223.4	31105.4	45000.4	47808.2	46645.5	33448.8	31688.5	30914.6	27102.5	23783.5
70°	27444.4	28175.2	40083.1	40367.5	40716.7	28769.2	25911.0	23607.1	20201.8	17879.9
72.5°	23715.1	23754.7	33866.4	32217.7	32880.1	22512.8	20856.9	17649.5	14705.0	12599.1
75°	19895.8	18808.7	26807.3	22520.0	23848.3	17512.8	17318.4	13301.1	11090.8	9362.9
77.5°	15169.3	13898.6	19582.6	14809.3	16749.6	11663.2	13020.3	9021.0	7804.2	6231.2
80°	10183.7	9391.7	10820.8	8358.6	10957.6	8038.2	8491.8	5111.6	4431.3	3437.8
82.5°	5370.8	4586.1	6688.3	4956.8	6609.1	4416.9	3185.8	1580.3	1346.3	1087.1
85°	2080.7	2408.2	3279.4	1763.9	2563.0	1576.7	921.5	392.4	327.6	248.4
87.5°	403.2	622.8	342.0	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)