

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: P638812

Luminaire Tested: GWS-SA4F-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638812  
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-SA4F-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

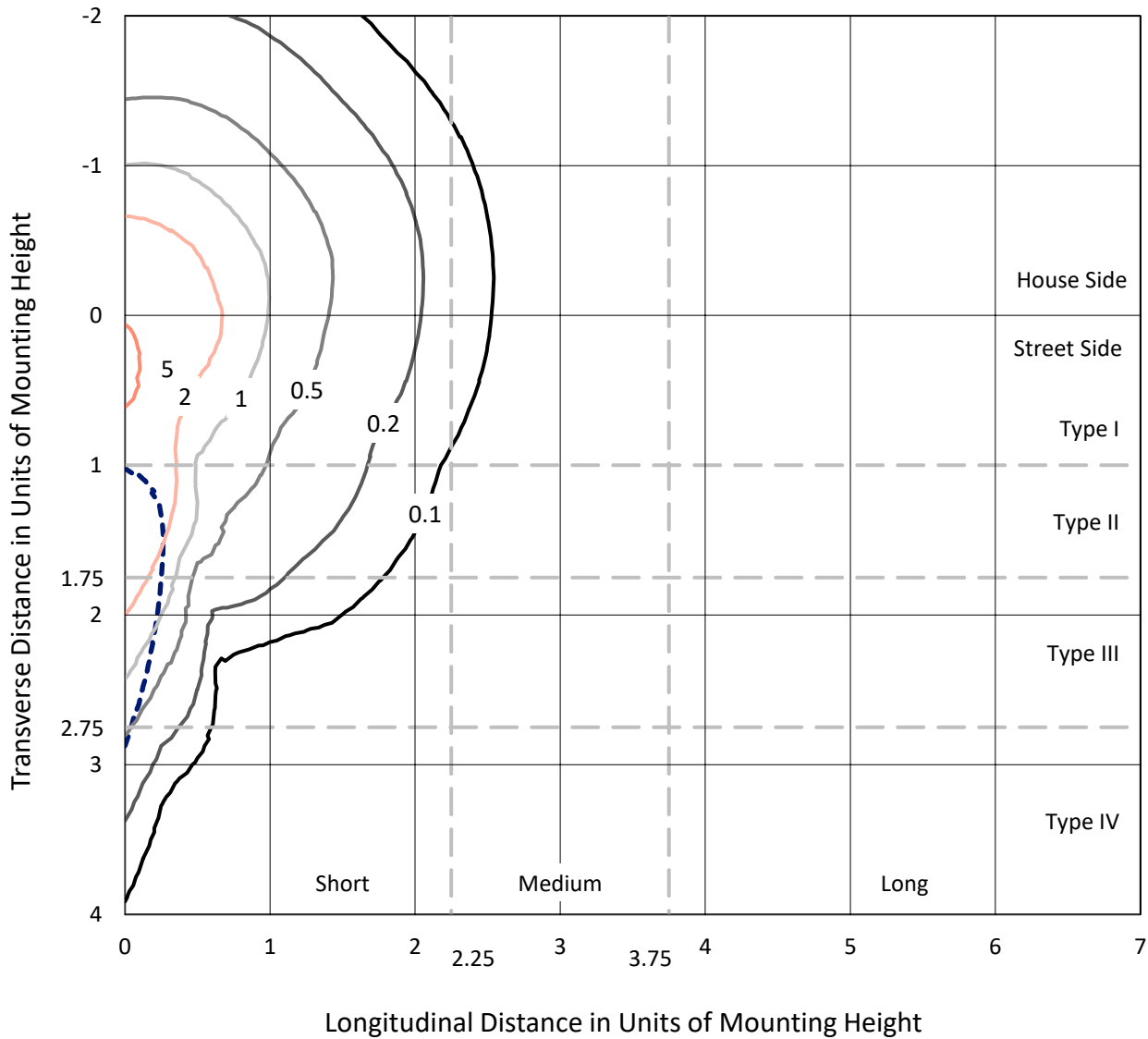
Lumens per Lamp: N/A  
Luminaire Lumens: 32619.9 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 225.3  
Input Voltage (V): 120  
Input Current (Ain): 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

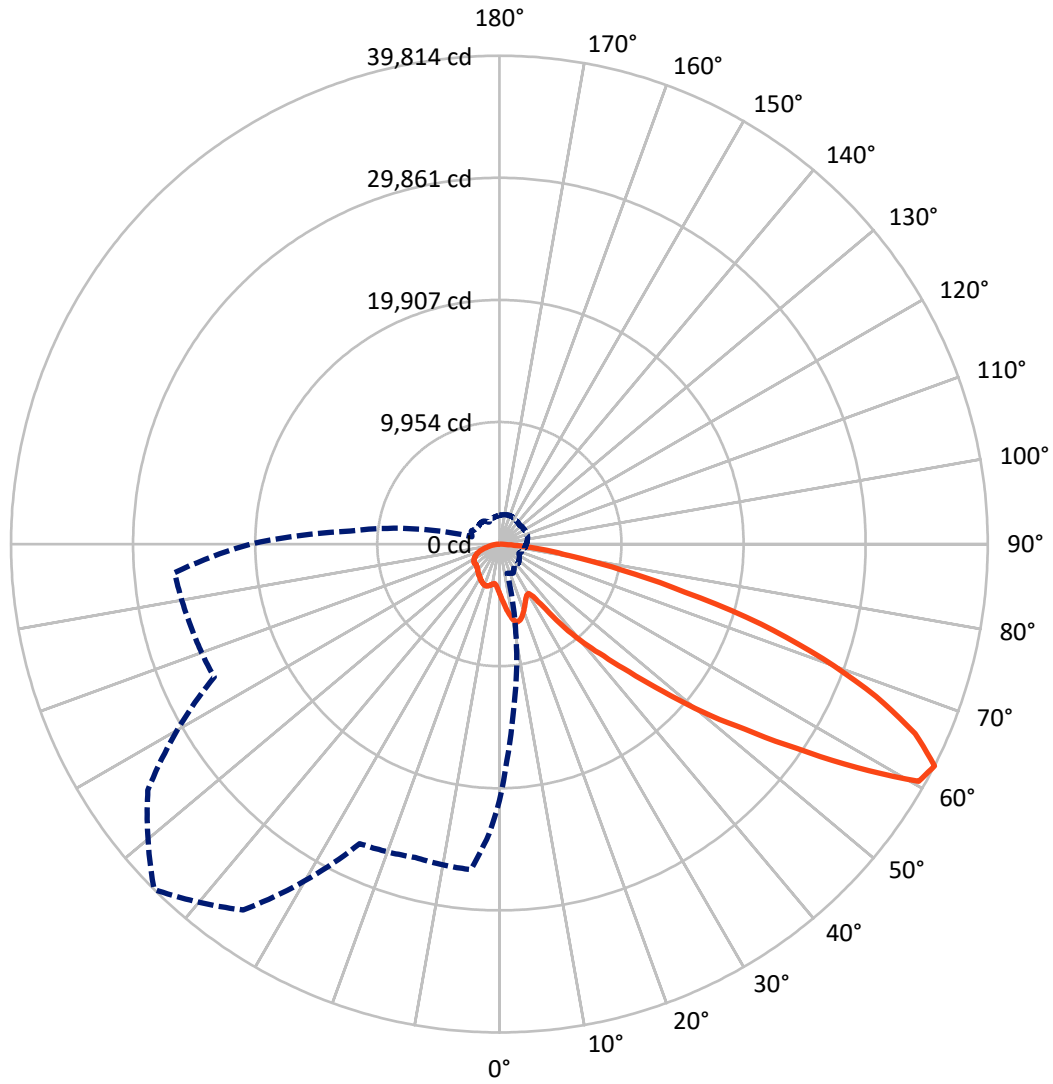
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 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	7799.5	0.0	7799.5
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	24820.4	0.0	24820.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	32619.9	0.0	32619.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.7	1.2
10°-20°	1302.2	4.0
20°-30°	2049.9	6.3
30°-40°	2809.8	8.6
40°-50°	4384.1	13.4
50°-60°	7559.0	23.2
60°-70°	8760.0	26.9
70°-80°	4623.9	14.2
80°-90°	730.4	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°	32619.9	100.0
0°-180°	32619.9	100.0

**Coefficient of Utilization**



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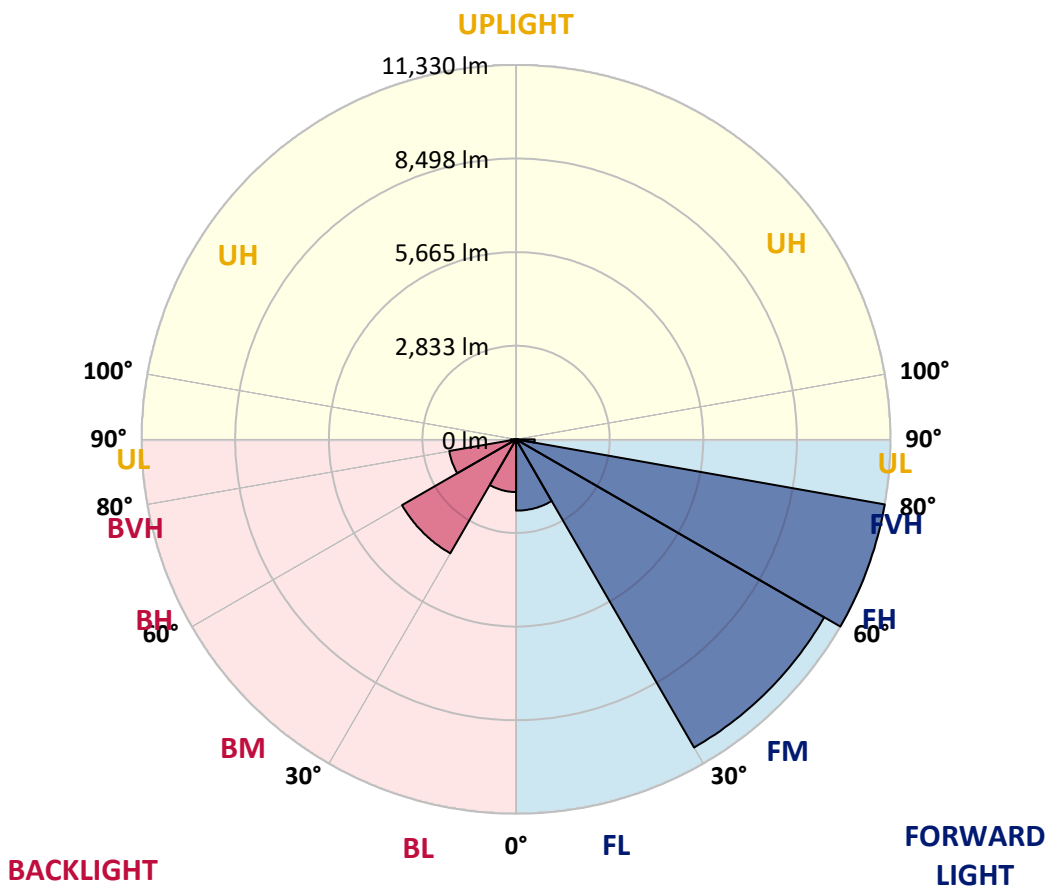
CATALOG NUMBER: GWS-SA4F-750-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2157.4	6.6			
FM (30°-60°)	10769.0	33.0			
FH (60°-80°)	11330.3	34.7			G4/12000
FVH (80°-90°)	563.8	1.7			G4/750
BL (0°-30°)	1595.3	4.9	B3/2500		
BM (30°-60°)	3983.9	12.2	B3/5000		
BH (60°-80°)	2053.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	166.6	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°	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0
2.5°	4418.8	4401.4	4376.4	4291.6	4239.2	4179.3	4116.9	4044.6	3962.2	3904.8	3847.5
5°	4793.1	4765.7	4705.8	4503.7	4363.9	4211.7	4084.5	3939.8	3797.6	3700.2	3602.9
7.5°	5152.4	5117.5	5025.1	4715.8	4488.7	4269.1	4077.0	3867.4	3655.3	3510.6	3395.8
10°	5511.7	5439.3	5322.1	4917.9	4618.4	4363.9	4144.4	3887.4	3605.4	3408.3	3286.1
12.5°	5786.2	5718.8	5591.5	5102.5	4748.2	4428.8	4181.8	3944.8	3705.2	3495.6	3370.9
15°	6043.2	5955.8	5811.1	5274.7	4855.5	4426.3	4106.9	3899.9	3864.9	3812.5	3650.3
17.5°	6227.8	6147.9	5998.2	5414.4	4915.4	4349.0	3899.9	3777.6	3934.8	4094.5	3939.8
20°	6390.0	6297.7	6145.5	5511.7	4927.8	4176.8	3647.8	3650.3	3897.4	4116.9	4079.5
22.5°	6527.2	6424.9	6290.2	5621.5	4922.8	3937.3	3428.3	3578.0	3825.0	3997.2	4002.2
25°	6696.9	6612.0	6499.8	5783.7	4922.8	3692.8	3268.6	3490.7	3702.7	3847.5	3842.5
27.5°	6904.0	6846.6	6754.3	6030.7	4967.8	3488.2	3178.8	3378.4	3545.5	3670.3	3667.8
30°	7136.0	7083.6	7013.7	6292.7	5045.1	3336.0	3128.9	3238.7	3360.9	3460.7	3460.7
32.5°	7373.0	7353.1	7278.2	6502.3	4985.2	3288.6	3086.4	3098.9	3163.8	3246.1	3238.7
35°	7702.4	7682.4	7587.6	6664.4	4725.7	3221.2	3019.1	2956.7	2964.2	3016.6	3034.1
37.5°	8184.0	8154.0	8014.3	6854.1	4334.0	3051.5	2909.3	2807.0	2784.5	2807.0	2839.4
40°	8765.3	8720.4	8530.8	7111.1	3882.4	2822.0	2737.1	2652.3	2614.9	2622.4	2659.8
42.5°	9493.9	9399.1	9127.1	7383.0	3435.8	2619.9	2545.0	2492.6	2450.2	2445.2	2517.6
45°	10676.6	10417.1	9985.4	7625.1	3059.0	2512.6	2372.8	2335.4	2300.5	2320.5	2405.3
47.5°	12742.5	12263.5	11422.6	7832.1	2829.5	2515.1	2235.6	2195.7	2193.2	2233.1	2327.9
50°	15581.9	14890.8	13593.3	7971.9	2709.7	2545.0	2153.3	2088.4	2135.8	2175.7	2265.6
52.5°	18301.6	17246.2	15701.7	7969.4	2657.3	2550.0	2175.7	1988.6	2135.8	2145.8	2230.6
55°	20624.6	18713.3	16270.6	7151.0	2582.4	2530.0	2263.1	1911.3	2108.4	2145.8	2213.2
57.5°	22470.9	19646.5	16228.2	5776.2	2809.5	2420.3	2315.5	1893.8	2028.5	2150.8	2228.1
60°	22266.3	19219.8	15182.7	3545.5	2787.0	2225.6	2308.0	1926.2	1893.8	2083.4	2210.7
62.5°	20906.5	17690.3	13383.8	2460.2	2617.4	2113.4	2185.7	1983.6	1769.0	1986.1	2125.8
65°	19002.7	15716.7	11153.1	1886.3	2168.2	2118.3	1978.6	1943.7	1659.2	1831.4	1981.1
67.5°	16485.2	13269.0	8805.2	1494.6	1512.0	1833.9	1796.5	1726.6	1556.9	1694.2	1828.9
70°	12393.2	9683.5	6058.1	1202.6	1145.3	1532.0	1614.3	1552.0	1457.1	1497.1	1639.3
72.5°	8732.9	6322.6	3318.5	953.1	883.3	1177.7	1402.3	1392.3	1287.5	1317.4	1457.1
75°	6489.8	4473.7	2073.4	753.5	718.6	843.3	1175.2	1205.1	1117.8	1152.7	1260.0
77.5°	4319.0	2896.8	1152.7	558.9	558.9	616.3	875.8	1015.5	950.6	978.1	1052.9
80°	2382.8	1474.6	576.4	366.8	376.8	424.2	638.7	731.1	733.6	800.9	820.9
82.5°	753.5	469.1	257.0	214.6	202.1	242.0	411.7	524.0	489.0	623.8	573.9
85°	172.2	109.8	47.4	47.4	52.4	79.8	157.2	279.5	356.8	429.2	311.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	109.8	162.2	144.7
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°	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0
2.5°	3812.5	3762.6	3747.7	3705.2	3700.2	3660.3	3645.4	3645.4	3662.8	3662.8	3680.3
5°	3563.0	3500.6	3465.7	3415.8	3403.3	3373.4	3353.4	3355.9	3378.4	3393.3	3423.3
7.5°	3343.4	3301.0	3276.1	3253.6	3248.6	3243.6	3221.2	3218.7	3226.2	3248.6	3271.1
10°	3251.1	3221.2	3228.7	3246.1	3273.6	3288.6	3268.6	3258.6	3251.1	3266.1	3286.1
12.5°	3340.9	3311.0	3326.0	3355.9	3393.3	3408.3	3400.8	3398.3	3405.8	3463.2	3505.6
15°	3538.1	3480.7	3460.7	3473.2	3503.1	3518.1	3510.6	3520.6	3568.0	3717.7	3825.0
17.5°	3782.6	3642.9	3563.0	3540.6	3553.0	3565.5	3565.5	3590.5	3672.8	3892.4	4027.1
20°	3914.8	3732.7	3597.9	3543.1	3548.0	3560.5	3560.5	3595.5	3687.8	3922.3	4009.6
22.5°	3879.9	3712.7	3548.0	3488.2	3490.7	3500.6	3500.6	3530.6	3612.9	3820.0	3859.9
25°	3742.7	3595.5	3433.3	3380.9	3385.9	3403.3	3398.3	3415.8	3478.2	3647.8	3670.3
27.5°	3578.0	3448.2	3288.6	3248.6	3271.1	3306.0	3276.1	3278.6	3336.0	3478.2	3480.7
30°	3400.8	3293.5	3151.3	3121.4	3163.8	3181.3	3153.8	3153.8	3211.2	3308.5	3306.0
32.5°	3208.7	3141.3	3039.0	3006.6	3054.0	3081.5	3046.5	3051.5	3096.4	3161.3	3136.4
35°	3029.1	2994.1	2946.7	2924.3	2954.2	2979.2	2956.7	2966.7	3009.1	3026.6	2991.6
37.5°	2856.9	2851.9	2856.9	2856.9	2864.4	2871.9	2856.9	2881.8	2919.3	2896.8	2856.9
40°	2707.2	2727.2	2774.6	2762.1	2754.6	2762.1	2752.1	2794.5	2831.9	2792.0	2744.6
42.5°	2582.4	2619.9	2692.2	2692.2	2677.3	2682.2	2677.3	2729.6	2757.1	2702.2	2649.8
45°	2475.1	2530.0	2622.4	2634.8	2609.9	2609.9	2619.9	2684.7	2694.7	2619.9	2565.0
47.5°	2400.3	2467.7	2572.5	2594.9	2557.5	2555.0	2582.4	2652.3	2652.3	2565.0	2502.6
50°	2347.9	2422.7	2547.5	2577.4	2540.0	2530.0	2575.0	2642.3	2627.3	2522.6	2460.2
52.5°	2313.0	2390.3	2545.0	2587.4	2562.5	2552.5	2597.4	2644.8	2607.4	2495.1	2430.2
55°	2290.5	2375.3	2552.5	2587.4	2560.0	2542.5	2587.4	2629.8	2609.9	2480.1	2417.8
57.5°	2303.0	2387.8	2542.5	2560.0	2527.5	2497.6	2550.0	2609.9	2602.4	2485.1	2422.7
60°	2283.0	2360.4	2487.6	2492.6	2437.7	2390.3	2467.7	2557.5	2557.5	2467.7	2412.8
62.5°	2190.7	2268.1	2380.3	2385.3	2322.9	2270.5	2360.4	2467.7	2465.2	2392.8	2335.4
65°	2038.5	2110.9	2238.1	2250.6	2188.2	2133.3	2225.6	2325.4	2332.9	2268.1	2218.2
67.5°	1871.3	1936.2	2031.0	2080.9	2028.5	1971.1	2056.0	2150.8	2148.3	2070.9	2018.5
70°	1671.7	1731.6	1818.9	1861.4	1828.9	1774.0	1851.4	1901.3	1878.8	1841.4	1806.5
72.5°	1474.6	1532.0	1614.3	1614.3	1579.4	1527.0	1549.5	1639.3	1666.7	1639.3	1616.8
75°	1267.5	1317.4	1374.8	1387.3	1309.9	1215.1	1319.9	1397.3	1429.7	1417.2	1389.8
77.5°	1055.4	1092.9	1177.7	1155.2	1010.5	960.6	1045.5	1160.2	1182.7	1175.2	1137.8
80°	813.4	835.9	925.7	880.8	768.5	736.1	773.5	863.3	868.3	843.3	795.9
82.5°	546.4	576.4	636.3	548.9	546.4	516.5	486.5	496.5	541.4	536.4	504.0
85°	279.5	294.4	351.8	329.4	281.9	244.5	232.0	247.0	222.1	202.1	174.7
87.5°	117.3	127.3	174.7	97.3	29.9	0.0	0.0	15.0	22.5	32.4	34.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0
2.5°	3720.2	3747.7	3815.0	3899.9	3982.2	4067.0	4159.3	4216.7	4286.6	4376.4	4378.9
5°	3460.7	3523.1	3620.4	3750.1	3884.9	4039.6	4219.2	4368.9	4548.6	4690.8	4748.2
7.5°	3301.0	3390.9	3513.1	3677.8	3854.9	4047.1	4281.6	4533.6	4828.0	5017.7	5129.9
10°	3316.0	3453.2	3575.5	3715.2	3874.9	4082.0	4383.9	4718.2	5080.0	5329.6	5469.3
12.5°	3583.0	3727.7	3705.2	3697.8	3805.0	4057.0	4466.2	4905.4	5347.0	5596.5	5763.7
15°	3919.8	3974.7	3762.6	3602.9	3667.8	3967.2	4511.2	5072.6	5569.1	5873.5	6038.2
17.5°	4092.0	3982.2	3725.2	3485.7	3468.2	3830.0	4533.6	5242.2	5818.6	6123.0	6297.7
20°	4012.1	3852.4	3635.4	3408.3	3283.6	3642.9	4521.1	5377.0	6045.6	6385.0	6527.2
22.5°	3840.0	3700.2	3530.6	3313.5	3133.9	3438.3	4488.7	5511.7	6247.8	6589.6	6714.3
25°	3652.8	3548.0	3408.3	3218.7	3049.0	3258.6	4466.2	5691.3	6479.8	6806.7	6886.5
27.5°	3465.7	3388.4	3273.6	3126.4	3029.1	3133.9	4473.7	5925.9	6779.2	7088.6	7056.2
30°	3281.1	3213.7	3133.9	3069.0	3026.6	3103.9	4453.8	6175.4	7108.6	7395.5	7203.4
32.5°	3106.4	3044.0	2994.1	3004.1	3029.1	3116.4	4351.5	6402.4	7410.5	7655.0	7363.1
35°	2956.7	2891.8	2891.8	2926.8	3019.1	3074.0	4087.0	6579.6	7744.8	7989.3	7590.1
37.5°	2817.0	2759.6	2797.0	2854.4	2941.7	2959.2	3747.7	6751.8	8231.4	8460.9	7941.9
40°	2694.7	2637.3	2704.7	2777.1	2822.0	2814.5	3403.3	6991.3	8805.2	9042.3	8408.5
42.5°	2597.4	2545.0	2604.9	2697.2	2704.7	2712.2	3151.3	7220.8	9471.4	9773.3	9211.9
45°	2517.6	2480.1	2510.1	2602.4	2602.4	2717.2	2994.1	7413.0	10474.5	11008.4	10686.5
47.5°	2455.2	2432.7	2447.7	2477.6	2527.5	2807.0	2894.3	7560.2	12300.9	13348.8	13024.5
50°	2420.3	2397.8	2417.8	2355.4	2505.1	2851.9	2861.9	7672.5	14708.7	16350.4	15948.7
52.5°	2390.3	2382.8	2395.3	2250.6	2555.0	2822.0	2836.9	7522.8	16323.0	19304.7	19701.4
55°	2380.3	2385.3	2325.4	2173.2	2614.9	2722.2	2762.1	6452.3	16762.1	21852.2	24314.8
57.5°	2385.3	2370.4	2218.2	2180.7	2617.4	2522.6	2869.4	4603.5	16123.4	22960.0	28828.5
60°	2367.9	2293.0	2088.4	2248.1	2502.6	2288.0	2792.0	3001.6	14439.2	22109.2	29090.5
62.5°	2290.5	2180.7	1976.1	2285.5	2298.0	2148.3	2535.0	2313.0	12193.6	20287.7	26565.4
65°	2178.2	2031.0	1881.3	2208.2	2090.9	2083.4	1906.3	1853.9	9805.8	18119.5	24170.1
67.5°	1993.6	1846.4	1811.4	2031.0	1881.3	1846.4	1532.0	1537.0	7824.7	15809.0	21762.3
70°	1784.0	1636.8	1664.2	1836.4	1674.2	1534.5	1240.1	1280.0	5935.9	13171.7	18516.2
72.5°	1646.8	1449.7	1452.2	1616.8	1472.1	1242.6	1020.5	1055.4	3767.6	9928.0	14721.1
75°	1389.8	1277.5	1222.6	1309.9	1250.0	968.1	858.3	850.8	2233.1	7116.0	11023.4
77.5°	1160.2	1072.9	1045.5	1080.4	933.2	716.1	691.1	678.7	1265.0	4558.6	7223.3
80°	840.9	818.4	815.9	833.4	718.6	526.5	526.5	529.0	681.2	2475.1	4072.0
82.5°	534.0	583.9	516.5	573.9	489.0	374.3	349.3	396.7	391.7	1055.4	1716.6
85°	222.1	304.4	284.4	301.9	232.0	204.6	219.6	237.0	227.1	406.7	668.7
87.5°	42.4	49.9	54.9	52.4	52.4	64.9	72.4	87.3	87.3	117.3	202.1
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0	4067.0
2.5°	4473.7	4546.1	4531.1	4563.6	4521.1	4536.1	4451.3	4428.8	4413.8	4418.8
5°	4932.8	5080.0	5107.5	5162.4	5125.0	5125.0	4975.2	4863.0	4823.0	4793.1
7.5°	5399.4	5611.5	5751.2	5766.2	5746.2	5706.3	5489.2	5287.1	5214.8	5152.4
10°	5813.6	6068.1	6225.3	6300.1	6262.7	6200.3	5930.9	5653.9	5566.6	5511.7
12.5°	6130.5	6355.0	6459.8	6509.7	6504.7	6482.3	6262.7	5963.3	5871.0	5786.2
15°	6335.1	6447.4	6407.4	6404.9	6439.9	6529.7	6462.3	6227.8	6120.5	6043.2
17.5°	6467.3	6360.0	6182.9	6100.5	6175.4	6387.5	6542.2	6409.9	6312.6	6227.8
20°	6514.7	6133.0	5876.0	5723.8	5811.1	6118.0	6499.8	6542.2	6459.8	6390.0
22.5°	6459.8	5856.0	5506.7	5327.1	5411.9	5778.7	6375.0	6649.5	6594.6	6527.2
25°	6325.1	5566.6	5147.4	4985.2	5077.5	5451.8	6152.9	6749.3	6751.8	6696.9
27.5°	6157.9	5299.6	4895.4	4743.2	4833.0	5182.3	5935.9	6836.6	6923.9	6904.0
30°	5988.3	5139.9	4775.6	4668.3	4735.7	5045.1	5713.8	6926.4	7101.1	7136.0
32.5°	5910.9	5217.3	5057.6	5105.0	5017.7	5125.0	5634.0	7053.7	7315.7	7373.0
35°	6013.2	5903.4	6307.6	6494.8	6185.4	5778.7	5736.3	7245.8	7617.6	7702.4
37.5°	6509.7	7373.0	7976.9	8635.6	8099.1	7203.4	6242.8	7572.7	8049.2	8184.0
40°	7590.1	8655.5	9745.9	10596.7	9785.8	8580.7	7205.9	8059.2	8643.1	8765.3
42.5°	8608.1	9858.2	11360.2	12460.6	11407.6	9706.0	8243.8	8877.6	9426.5	9493.9
45°	9606.2	11038.4	13313.9	14843.4	13413.7	10776.4	9304.3	10259.9	10674.1	10676.6
47.5°	10776.4	12368.3	15764.1	17942.3	16076.0	11961.5	10299.8	12448.1	13024.5	12742.5
50°	12176.1	13690.7	18286.6	21547.8	19322.1	13418.7	11564.8	15115.4	15901.3	15581.9
52.5°	14050.0	15147.8	21066.2	25063.4	22860.2	15077.9	13398.7	18638.5	18897.9	18301.6
55°	16687.3	17251.2	24634.2	29404.8	26809.9	17121.4	16081.0	23059.8	22333.7	20624.6
57.5°	22693.0	20579.7	29215.2	34357.6	31278.7	20834.2	21959.4	27935.2	25352.8	22470.9
60°	27718.2	24621.7	33454.4	39273.0	35108.7	24926.1	27478.6	28783.6	25240.5	22266.3
62.5°	26024.0	25652.2	34983.9	39814.4	36416.1	26939.7	26453.1	26645.3	23593.7	20906.5
65°	22832.7	23663.6	33619.1	37247.0	34966.4	25135.7	23928.1	24669.1	21709.9	19002.7
67.5°	20948.9	21560.2	31191.3	33137.5	32331.6	23184.5	21964.4	21428.0	18785.7	16485.2
70°	19022.7	19529.2	27783.0	27980.1	28222.2	19940.9	17959.8	16362.9	14002.5	12393.2
72.5°	16437.8	16465.2	23474.0	22331.2	22790.3	15604.4	14456.7	12233.5	10192.5	8732.9
75°	13790.5	13036.9	18581.1	15609.4	16530.1	12138.7	12004.0	9219.4	7687.4	6489.8
77.5°	10514.4	9633.6	13573.4	10264.9	11609.7	8084.2	9024.8	6252.7	5409.4	4319.0
80°	7058.7	6509.7	7500.3	5793.6	7595.1	5571.6	5886.0	3543.1	3071.5	2382.8
82.5°	3722.7	3178.8	4635.9	3435.8	4581.0	3061.5	2208.2	1095.4	933.2	753.5
85°	1442.2	1669.2	2273.0	1222.6	1776.5	1092.9	638.7	272.0	227.1	172.2
87.5°	279.5	431.7	237.0	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)