

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: P640741

Luminaire Tested: GWS-SA5E-740-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640741  
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-SA5E-740-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

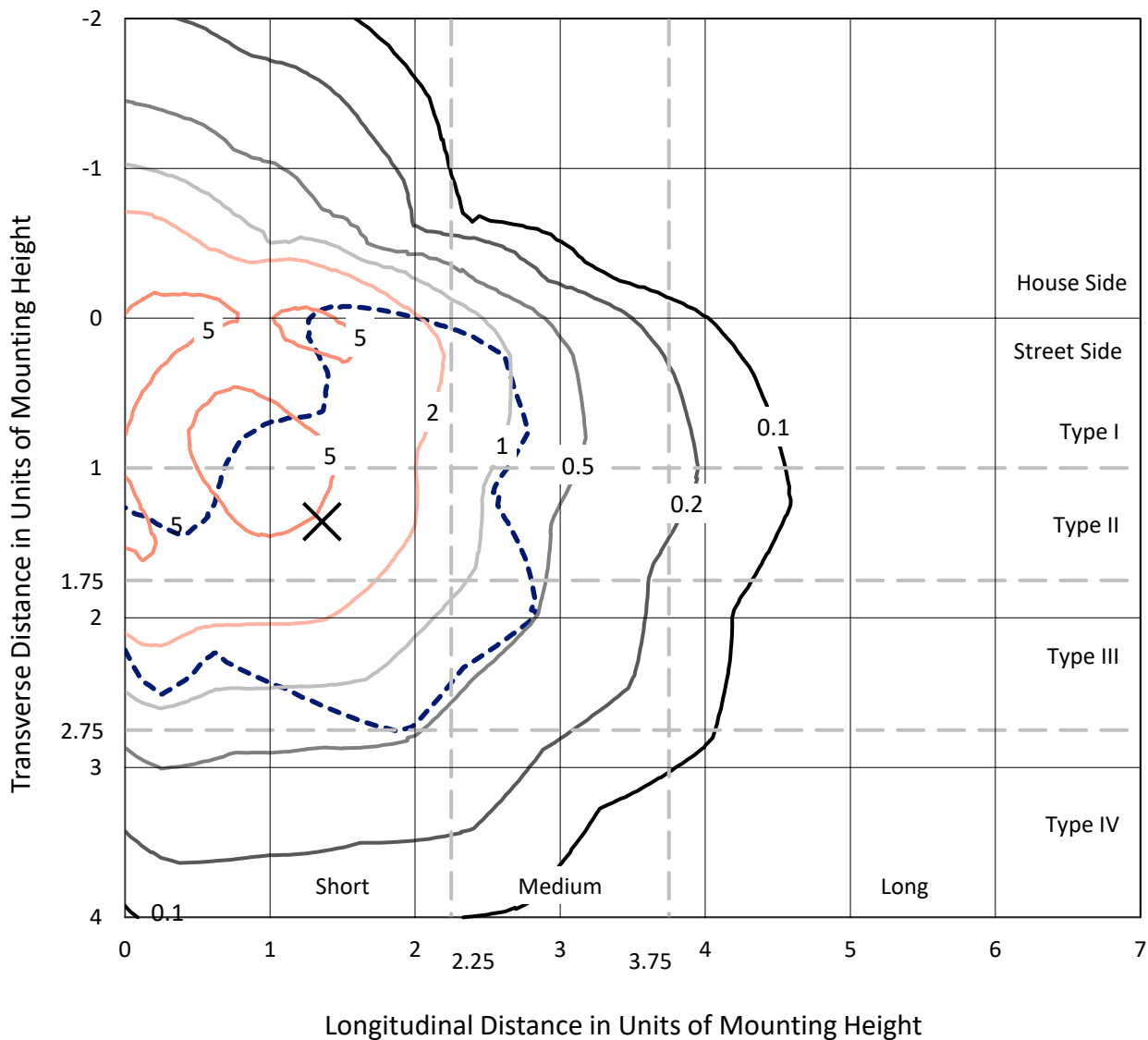
Lumens per Lamp: N/A  
Luminaire Lumens: 35545.1 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

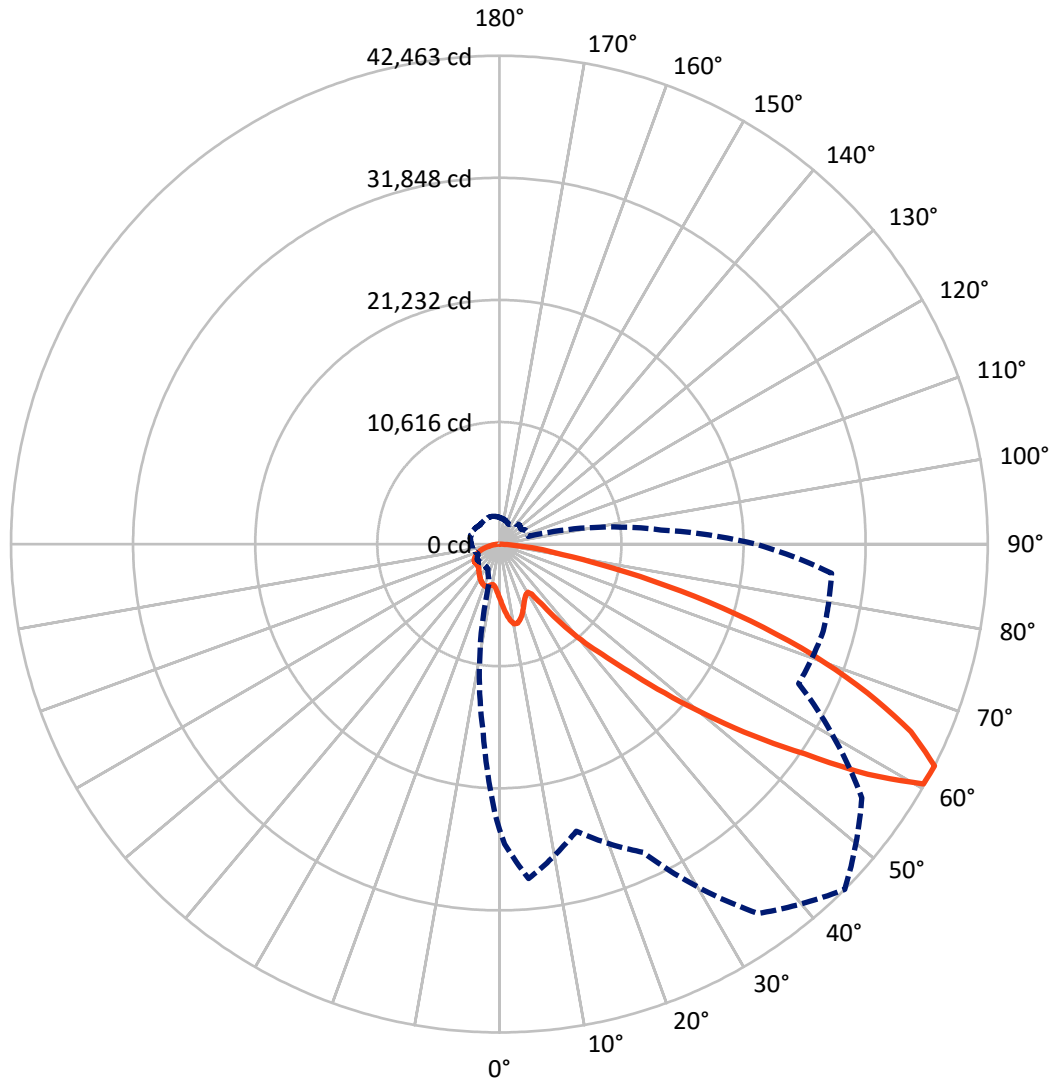
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.5 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	8481.7	0.0	8481.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	27063.4	0.0	27063.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	35545.1	0.0	35545.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.7	1.3
10°-20°	1444.3	4.1
20°-30°	2243.4	6.3
30°-40°	3045.9	8.6
40°-50°	4827.4	13.6
50°-60°	8515.6	24.0
60°-70°	9474.9	26.7
70°-80°	4805.3	13.5
80°-90°	727.6	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°	35545.1	100.0
0°-180°	35545.1	100.0

**Coefficient of Utilization**



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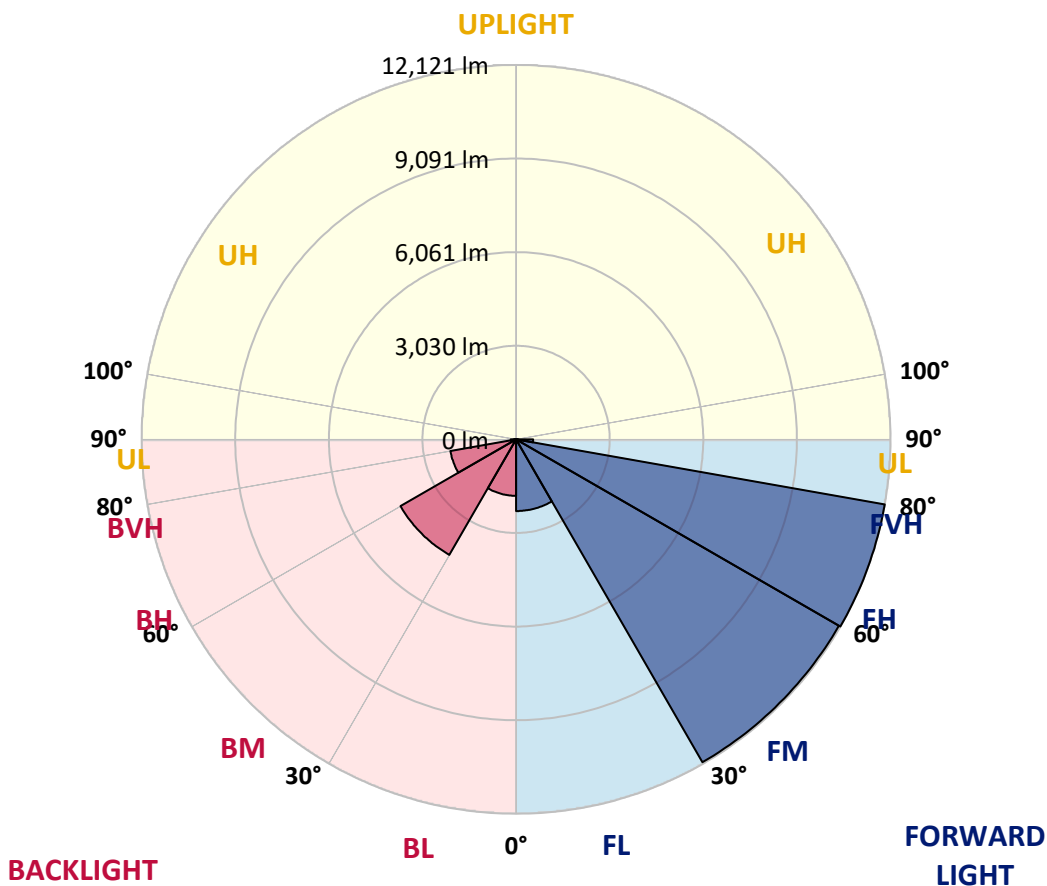
CATALOG NUMBER: GWS-SA5E-740-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2320.8	6.5			
FM (30°-60°)	12069.1	34.0			
FH (60°-80°)	12121.2	34.1			G5
FVH (80°-90°)	552.3	1.6			G4/750
BL (0°-30°)	1827.6	5.1	B3/2500		
BM (30°-60°)	4319.8	12.2	B3/5000		
BH (60°-80°)	2159.0	6.1	B3/2500		G3/2500
BVH (80°-90°)	175.3	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-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6
2.5°	5070.1	5067.4	5118.5	5196.6	5269.2	5301.5	5355.4	5350.0	5306.9	5250.4	5231.6
5°	5468.4	5479.2	5568.0	5740.2	5931.3	6012.0	6047.0	6033.5	5955.5	5855.9	5681.0
7.5°	5829.0	5847.8	5985.1	6243.4	6480.3	6587.9	6674.0	6657.9	6544.8	6359.2	6100.8
10°	6092.7	6114.3	6278.4	6582.5	6846.2	6940.4	7050.8	7056.2	6956.6	6706.3	6442.6
12.5°	6356.5	6378.0	6531.4	6808.6	6980.8	6983.5	7048.1	7083.1	7088.5	6972.7	6709.0
15°	6631.0	6649.8	6789.7	6945.8	6937.7	6787.0	6787.0	6854.3	7002.3	7085.8	6902.8
17.5°	6865.1	6889.3	6997.0	6945.8	6706.3	6434.5	6402.2	6488.3	6746.7	7066.9	7048.1
20°	7058.8	7077.7	7136.9	6797.8	6361.8	6006.6	5944.7	6044.3	6394.1	6951.2	7158.4
22.5°	7244.5	7255.3	7223.0	6604.0	5990.5	5584.1	5508.8	5613.7	5990.5	6746.7	7252.6
25°	7465.2	7454.4	7301.1	6402.2	5651.4	5250.4	5172.4	5290.8	5683.7	6474.9	7354.9
27.5°	7720.9	7680.5	7368.3	6184.2	5390.3	5002.8	4949.0	5075.5	5441.5	6224.6	7435.6
30°	7938.8	7860.8	7379.1	5990.5	5255.8	4897.9	4865.6	4984.0	5323.1	6055.1	7537.9
32.5°	8181.1	8073.4	7441.0	5939.3	5331.1	5150.8	5193.9	5202.0	5355.4	6006.6	7691.3
35°	8528.2	8388.3	7610.5	6087.3	6106.2	6410.3	6566.4	6356.5	5842.5	6114.3	7981.9
37.5°	9053.0	8875.4	7955.0	6727.8	7707.4	8388.3	8765.0	8286.0	7322.6	6520.6	8420.6
40°	9690.8	9464.7	8396.3	7911.9	9203.7	10293.6	10963.7	10261.3	8845.8	7535.2	9036.8
42.5°	10581.5	10344.7	9252.1	9074.5	10589.6	12212.4	13087.0	12040.1	10188.6	8845.8	10024.5
45°	12134.3	11905.6	10821.1	10239.8	12212.4	14575.2	15802.3	14346.4	11553.0	10161.7	11870.6
47.5°	15003.1	14734.0	13151.6	11531.5	14063.9	17643.1	19360.0	17239.4	12971.3	11668.8	14970.8
50°	18447.7	18189.4	16076.8	13060.1	16109.1	20923.6	23310.6	20638.3	14604.8	13501.4	18676.5
52.5°	22592.1	22543.6	20250.8	14992.3	18237.8	24422.1	27694.5	24403.2	16394.4	15969.2	22874.7
55°	26327.4	26801.0	25552.3	17939.1	20988.2	28816.7	32202.1	28509.9	18821.8	20049.0	27791.4
57.5°	28340.3	29613.3	31532.0	23951.1	24987.2	34069.8	37764.7	33523.5	22993.1	26841.4	32350.1
60°	27010.9	28453.4	31930.3	28477.6	28953.9	38278.7	42355.8	37737.8	27089.0	31556.3	32091.8
62.5°	24798.8	26093.3	29185.4	25834.9	29567.5	39204.5	42463.4	38472.5	28717.1	29163.8	28988.9
65°	22175.0	23480.2	26755.3	22551.7	27616.4	37005.8	39330.9	36311.5	25791.8	26348.9	26413.5
67.5°	18689.9	19895.6	23229.9	20051.7	25172.9	33779.1	34521.9	33232.8	23752.0	24640.0	23711.6
70°	13964.3	15051.5	17995.6	16294.8	21219.6	29575.6	28975.5	29166.5	21461.8	22344.5	19806.8
72.5°	9542.8	10360.9	12885.2	12804.4	16249.1	23676.6	22839.7	24650.8	17925.7	19096.3	15100.0
75°	6674.0	7311.8	9314.0	10116.0	12282.3	17548.9	16265.2	18450.4	13999.3	15670.5	11017.5
77.5°	4095.9	4518.4	5882.8	7494.8	7901.2	12010.5	10102.5	13883.6	9830.7	11429.3	7349.5
80°	2048.0	2252.5	2858.0	4712.2	5239.6	7077.7	5578.7	8060.0	6652.5	7077.7	4066.3
82.5°	619.0	683.5	836.9	1789.6	2715.4	4074.4	3296.6	4682.6	3633.0	3318.2	1601.2
85°	164.2	185.7	231.4	530.2	952.7	1461.3	1114.1	2268.6	1741.2	1224.5	602.8
87.5°	13.5	13.5	10.8	10.8	5.4	0.0	0.0	161.5	325.6	185.7	105.0
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°	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6
2.5°	5137.4	5126.6	5016.3	4935.5	4841.4	4749.9	4655.7	4572.2	4478.0	4383.9	4356.9
5°	5551.8	5476.5	5242.3	5045.9	4852.1	4682.6	4534.6	4381.2	4257.4	4136.3	4090.5
7.5°	5917.8	5785.9	5446.9	5148.1	4879.0	4669.1	4451.1	4227.8	4052.9	3880.6	3837.6
10°	6248.8	6073.9	5646.0	5269.2	4970.5	4731.0	4475.4	4176.6	3923.7	3713.8	3657.3
12.5°	6493.7	6302.6	5818.2	5385.0	5045.9	4776.8	4523.8	4260.1	3993.6	3721.8	3659.9
15°	6687.5	6488.3	5960.9	5473.8	5048.6	4701.4	4456.5	4365.0	4281.6	4015.2	3902.1
17.5°	6843.6	6633.6	6084.7	5527.6	4975.9	4472.7	4260.1	4394.6	4607.2	4440.4	4227.8
20°	6986.2	6773.6	6178.8	5565.3	4814.4	4157.8	4039.4	4324.7	4644.9	4639.5	4448.4
22.5°	7142.3	6935.1	6316.1	5586.8	4588.4	3837.6	3907.5	4222.4	4483.4	4561.5	4443.1
25°	7341.4	7158.4	6507.2	5635.2	4332.7	3616.9	3810.6	4090.5	4308.5	4327.3	4257.4
27.5°	7572.9	7435.6	6792.4	5748.3	4085.1	3503.9	3697.6	3904.8	4104.0	4112.1	4028.6
30°	7825.8	7734.3	7056.2	5842.5	3899.5	3468.9	3552.3	3719.1	3845.6	3867.2	3794.5
32.5°	8148.8	8068.0	7290.3	5780.6	3789.1	3460.8	3417.7	3503.9	3608.8	3608.8	3552.3
35°	8592.8	8479.8	7537.9	5543.7	3654.6	3428.5	3275.1	3299.3	3345.1	3353.2	3320.9
37.5°	9222.5	9036.8	7788.1	5075.5	3433.9	3312.8	3111.0	3081.4	3097.5	3119.0	3111.0
40°	10003.0	9698.9	8154.1	4513.0	3170.2	3089.4	2941.4	2884.9	2871.4	2914.5	2930.6
42.5°	10985.2	10519.6	8547.0	3988.3	2930.6	2833.8	2742.3	2693.8	2672.3	2745.0	2788.0
45°	12554.1	11787.2	8923.8	3468.9	2796.1	2615.8	2553.9	2518.9	2529.7	2615.8	2669.6
47.5°	15264.1	13722.1	9281.7	3140.6	2785.3	2459.7	2384.3	2392.4	2422.0	2513.5	2578.1
50°	18692.6	16313.7	9521.2	3003.3	2817.6	2365.5	2265.9	2309.0	2354.7	2443.6	2518.9
52.5°	22183.0	18727.6	9236.0	2928.0	2814.9	2368.2	2155.6	2284.8	2306.3	2395.1	2475.8
55°	24583.5	18996.7	7979.2	2812.2	2771.9	2475.8	2069.5	2274.0	2287.5	2368.2	2440.9
57.5°	25498.5	18076.4	6084.7	2844.5	2642.7	2559.3	2031.8	2198.7	2295.5	2365.5	2440.9
60°	24392.5	16340.6	3697.6	2928.0	2435.5	2553.9	2056.0	2061.4	2228.3	2346.7	2422.0
62.5°	22306.8	14112.3	2596.9	2691.1	2284.8	2411.3	2112.5	1899.9	2109.9	2252.5	2319.8
65°	19917.1	11491.1	1980.7	2317.1	2212.1	2190.6	2131.4	1757.3	1948.4	2088.3	2147.5
67.5°	17427.8	8931.9	1609.3	1727.7	1999.5	1980.7	1948.4	1630.8	1757.3	1856.9	1924.2
70°	14292.6	6248.8	1359.0	1297.1	1714.3	1776.1	1703.5	1472.1	1512.4	1614.7	1668.5
72.5°	10455.1	3894.1	1116.8	1071.1	1377.9	1552.8	1515.1	1297.1	1316.0	1412.8	1455.9
75°	7519.0	2228.3	896.1	882.7	1052.2	1329.4	1254.1	1116.8	1138.4	1211.0	1240.6
77.5°	4779.5	1240.6	691.6	710.5	753.5	993.0	1071.1	955.4	955.4	998.4	1022.6
80°	2559.3	710.5	505.9	514.0	527.5	758.9	845.0	740.1	740.1	710.5	740.1
82.5°	1044.2	409.1	347.2	322.9	352.5	519.4	592.0	470.9	492.5	444.0	454.8
85°	344.5	204.5	172.2	169.5	166.9	228.7	285.3	234.1	279.9	177.6	185.7
87.5°	45.7	37.7	21.5	16.1	18.8	8.1	16.1	18.8	18.8	13.5	13.5
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°	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6
2.5°	4338.1	4316.6	4238.5	4257.4	4243.9	4222.4	4243.9	4203.6	4235.8	4246.6	4313.9
5°	4055.5	4004.4	3929.1	3891.4	3883.3	3861.8	3864.5	3845.6	3851.0	3896.8	3972.1
7.5°	3802.6	3754.1	3694.9	3668.0	3643.8	3619.6	3616.9	3614.2	3635.7	3676.1	3748.8
10°	3619.6	3592.7	3568.4	3579.2	3568.4	3557.7	3538.8	3538.8	3573.8	3646.5	3735.3
12.5°	3619.6	3614.2	3619.6	3651.9	3649.2	3651.9	3627.7	3641.1	3738.0	3861.8	3988.3
15°	3813.3	3770.3	3770.3	3786.4	3781.0	3781.0	3781.0	3837.6	4058.2	4249.3	4383.9
17.5°	4050.2	3923.7	3869.9	3861.8	3859.1	3859.1	3869.9	3991.0	4335.4	4537.3	4615.3
20°	4214.3	3974.8	3886.0	3851.0	3853.7	3859.1	3891.4	4058.2	4437.7	4539.9	4521.1
22.5°	4243.9	3934.4	3826.8	3775.7	3783.7	3789.1	3837.6	4015.2	4297.7	4313.9	4276.2
25°	4106.7	3821.4	3705.7	3665.3	3676.1	3673.4	3716.5	3845.6	4047.5	4042.1	4020.6
27.5°	3902.1	3641.1	3555.0	3528.1	3546.9	3525.4	3538.8	3638.4	3794.5	3789.1	3781.0
30°	3692.2	3466.2	3388.1	3374.7	3398.9	3366.6	3369.3	3452.7	3560.4	3555.0	3552.3
32.5°	3482.3	3291.3	3221.3	3221.3	3245.5	3210.5	3215.9	3288.6	3361.2	3339.7	3339.7
35°	3283.2	3148.6	3092.1	3081.4	3100.2	3076.0	3086.7	3154.0	3180.9	3151.3	3132.5
37.5°	3108.3	3049.1	2992.5	2954.9	2957.6	2960.2	2992.5	3043.7	3027.5	2984.5	2960.2
40°	2946.8	2946.8	2893.0	2823.0	2814.9	2833.8	2887.6	2944.1	2898.4	2849.9	2820.3
42.5°	2831.1	2855.3	2804.2	2734.2	2718.0	2750.3	2809.5	2849.9	2796.1	2742.3	2701.9
45°	2723.4	2782.6	2747.6	2669.6	2648.1	2685.8	2761.1	2777.3	2704.6	2653.5	2623.9
47.5°	2648.1	2728.8	2704.6	2629.2	2596.9	2650.8	2728.8	2726.1	2634.6	2580.8	2556.6
50°	2594.3	2696.5	2693.8	2629.2	2594.3	2661.5	2731.5	2696.5	2596.9	2540.4	2516.2
52.5°	2551.2	2693.8	2712.7	2675.0	2650.8	2710.0	2753.0	2685.8	2570.0	2510.8	2492.0
55°	2532.4	2704.6	2718.0	2683.1	2661.5	2715.4	2753.0	2707.3	2570.0	2516.2	2500.1
57.5°	2537.7	2691.1	2693.8	2645.4	2607.7	2675.0	2734.2	2720.7	2599.6	2537.7	2518.9
60°	2505.4	2618.5	2623.9	2548.5	2505.4	2586.2	2691.1	2683.1	2586.2	2521.6	2486.6
62.5°	2397.8	2497.4	2500.1	2430.1	2368.2	2483.9	2599.6	2596.9	2508.1	2443.6	2403.2
65°	2217.5	2322.4	2349.4	2282.1	2233.6	2357.4	2478.5	2473.2	2384.3	2325.1	2284.8
67.5°	1994.1	2107.2	2158.3	2112.5	2093.7	2206.7	2319.8	2317.1	2244.4	2187.9	2152.9
70°	1722.3	1816.5	1902.6	1902.6	1889.2	2018.4	2139.5	2128.7	2061.4	2018.4	1991.4
72.5°	1496.3	1568.9	1595.8	1622.8	1663.1	1797.7	1899.9	1908.0	1859.6	1838.0	1859.6
75°	1272.9	1318.7	1342.9	1321.3	1391.3	1531.3	1665.8	1679.3	1628.1	1593.2	1601.2
77.5°	1046.9	1098.0	1122.2	1073.8	1068.4	1246.0	1410.2	1439.8	1396.7	1342.9	1359.0
80°	756.2	823.5	863.9	831.6	820.8	898.8	1124.9	1157.2	1116.8	1073.8	1098.0
82.5°	462.9	500.6	511.3	543.6	610.9	643.2	723.9	831.6	802.0	764.3	831.6
85°	183.0	218.0	242.2	274.5	320.2	379.5	446.7	532.8	484.4	468.3	551.7
87.5°	10.8	2.7	0.0	5.4	45.7	88.8	191.1	263.7	220.7	236.8	285.3
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°	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6	4717.6
2.5°	4367.7	4437.7	4531.9	4609.9	4709.5	4803.7	4900.6	4997.4	5048.6	5070.1
5°	4058.2	4187.4	4338.1	4505.0	4698.7	4903.2	5110.5	5323.1	5457.6	5468.4
7.5°	3872.5	4058.2	4265.4	4475.4	4714.9	4997.4	5325.8	5654.1	5791.3	5829.0
10°	3931.7	4139.0	4303.1	4499.6	4763.3	5115.8	5503.4	5888.2	6047.0	6092.7
12.5°	4168.6	4208.9	4260.1	4440.4	4763.3	5218.1	5686.4	6143.9	6313.4	6356.5
15°	4365.0	4171.3	4079.8	4270.8	4698.7	5306.9	5880.1	6386.1	6590.6	6631.0
17.5°	4381.2	4047.5	3848.3	4020.6	4585.7	5368.8	6065.8	6655.2	6827.4	6865.1
20°	4217.0	3915.6	3657.3	3762.2	4432.3	5395.7	6200.4	6851.6	7021.2	7058.8
22.5°	4031.3	3808.0	3528.1	3522.7	4246.6	5425.3	6361.8	7037.3	7220.3	7244.5
25°	3856.4	3659.9	3423.1	3347.8	4031.3	5481.8	6579.8	7317.2	7457.1	7465.2
27.5°	3651.9	3501.2	3339.7	3267.0	3842.9	5589.5	6902.8	7650.9	7734.3	7720.9
30°	3466.2	3353.2	3280.5	3259.0	3724.5	5670.2	7209.6	7979.2	7984.6	7938.8
32.5°	3269.7	3226.7	3226.7	3296.6	3627.7	5651.4	7459.8	8299.5	8248.3	8181.1
35°	3094.8	3102.9	3159.4	3323.6	3466.2	5463.0	7699.3	8700.4	8625.1	8528.2
37.5°	2928.0	2989.9	3070.6	3229.4	3253.6	5183.1	7979.2	9268.3	9174.1	9053.0
40°	2785.3	2879.5	2973.7	3051.7	3027.5	4784.8	8369.4	9935.7	9830.7	9690.8
42.5°	2672.3	2763.8	2868.8	2876.8	2884.9	4370.4	8783.9	10753.8	10734.9	10581.5
45°	2599.6	2658.8	2758.4	2745.0	2876.8	3912.9	9166.0	12002.5	12250.0	12134.3
47.5°	2551.2	2596.9	2607.7	2664.2	2946.8	3503.9	9658.5	14446.0	15134.9	15003.1
50°	2524.3	2570.0	2448.9	2669.6	2957.6	3240.1	10339.3	17513.9	18622.7	18447.7
52.5°	2521.6	2510.8	2327.8	2726.1	2898.4	3078.7	10694.6	19752.9	22212.6	22592.1
55°	2527.0	2392.4	2265.9	2742.3	2779.9	3019.5	9505.1	20829.4	25525.4	26327.4
57.5°	2478.5	2263.2	2300.9	2677.7	2556.6	3178.2	7026.6	20444.6	26849.5	28340.3
60°	2387.0	2139.5	2365.5	2502.8	2327.8	2906.4	4838.7	18727.6	25477.0	27010.9
62.5°	2255.2	2053.3	2357.4	2276.7	2244.4	2379.0	3326.2	16324.4	23299.9	24798.8
65°	2107.2	1983.4	2231.0	2058.7	2077.6	1830.0	2352.1	13611.8	20700.2	22175.0
67.5°	1948.4	1940.3	2045.3	1832.7	1754.6	1450.5	1714.3	10909.9	17360.5	18689.9
70°	1768.1	1827.3	1859.6	1628.1	1423.6	1138.4	1272.9	7629.4	12807.1	13964.3
72.5°	1587.8	1593.2	1638.9	1415.5	1065.7	912.3	955.4	4620.7	8700.4	9542.8
75°	1404.8	1353.6	1396.7	1151.8	793.9	748.1	737.4	2855.3	6009.3	6674.0
77.5°	1208.3	1151.8	1095.3	866.5	637.8	578.6	565.1	1601.2	3686.9	4095.9
80°	982.3	906.9	818.1	635.1	465.6	414.4	411.7	780.4	1838.0	2048.0
82.5°	764.3	621.7	597.4	395.6	288.0	253.0	269.1	298.7	554.4	619.0
85°	535.5	452.1	317.6	158.8	129.2	105.0	102.3	88.8	148.0	164.2
87.5°	298.7	196.5	102.3	18.8	21.5	24.2	18.8	13.5	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)