

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: P642281

Luminaire Tested: GWS-SA6C-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642281  
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-SA6C-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**

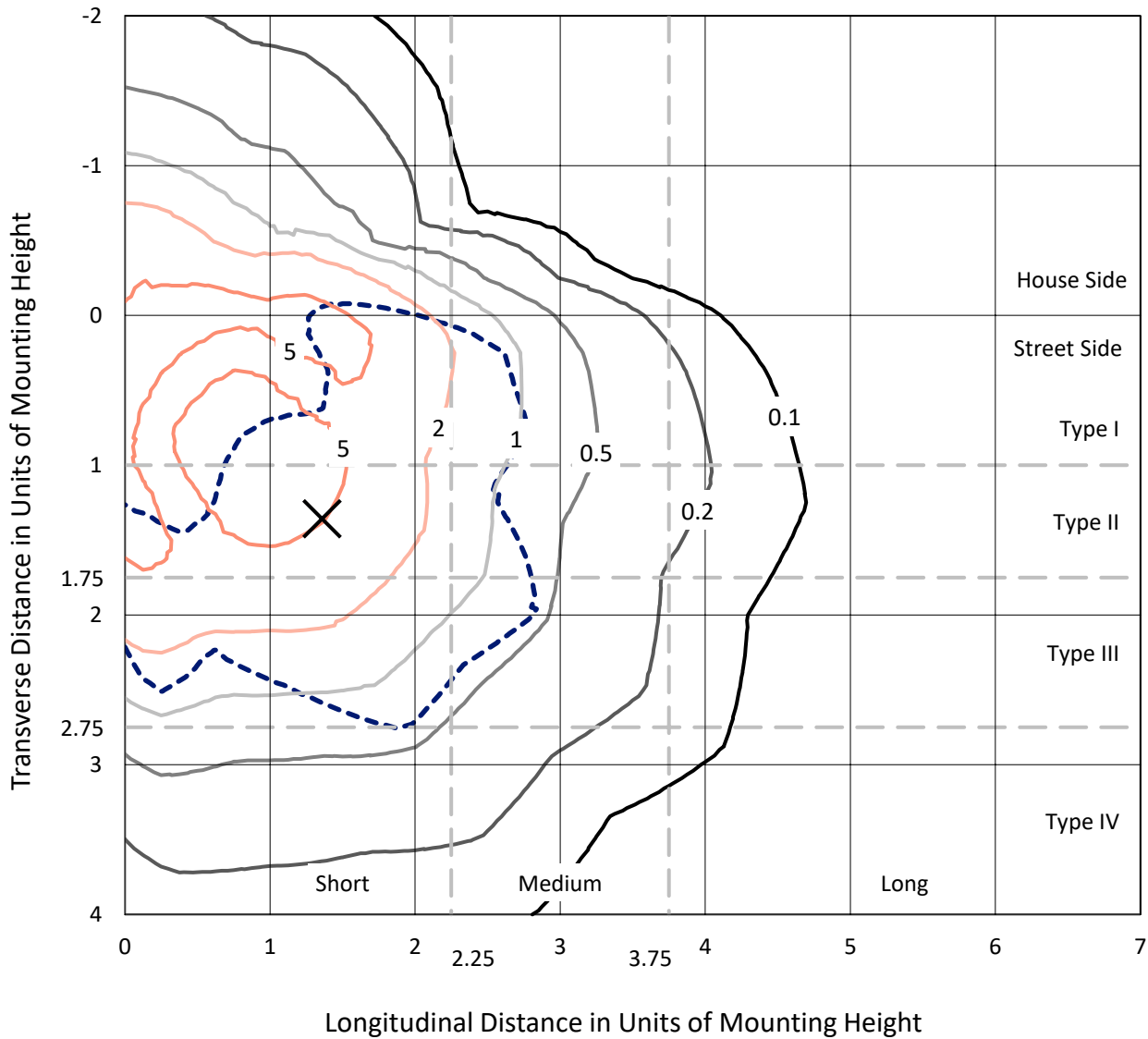
Lumens per Lamp: N/A  
Luminaire Lumens: 27501.4 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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

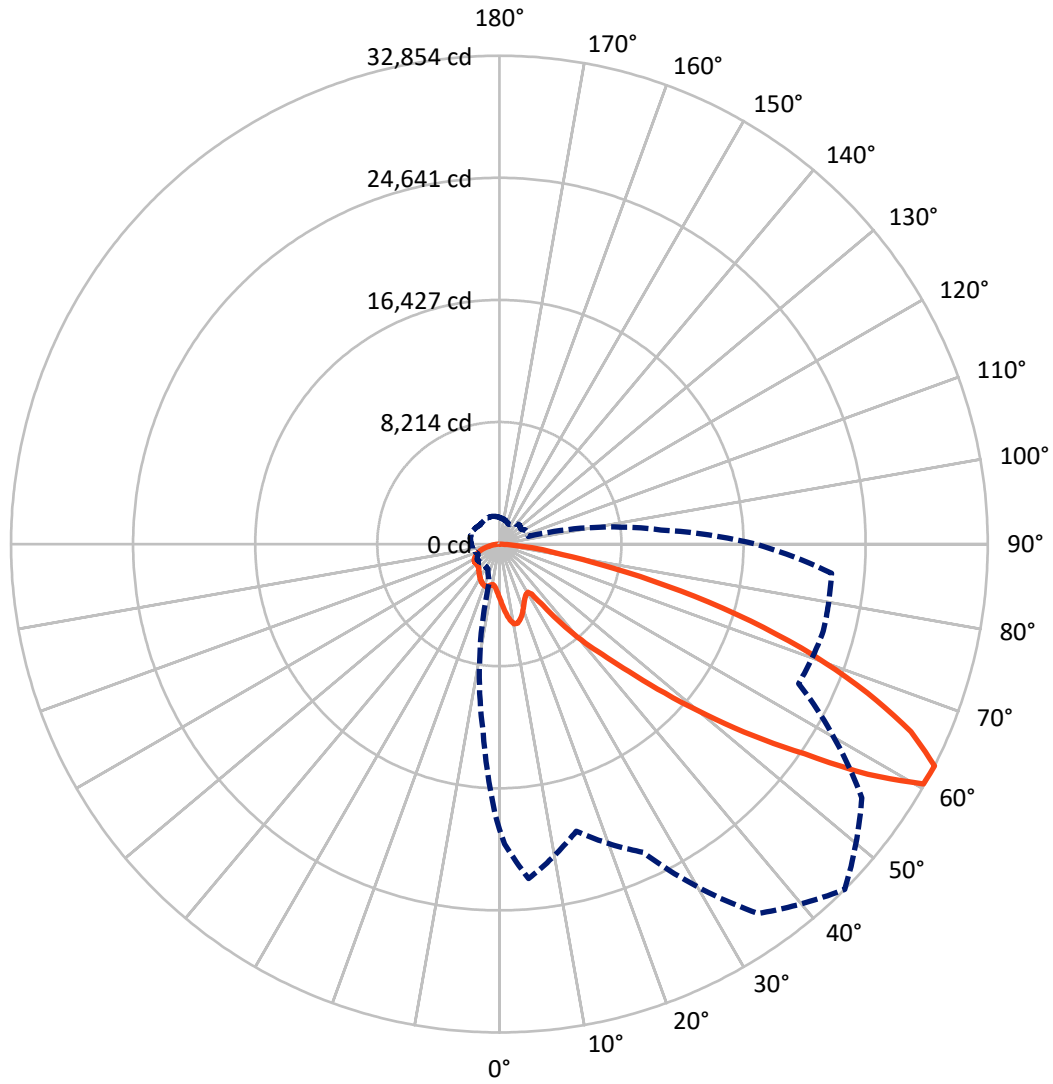
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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
<b>House Side</b>	Lumens	6562.4	0.0	6562.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	20939.1	0.0	20939.1
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	27501.4	0.0	27501.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.5	1.3
10°-20°	1117.5	4.1
20°-30°	1735.7	6.3
30°-40°	2356.6	8.6
40°-50°	3735.0	13.6
50°-60°	6588.5	24.0
60°-70°	7330.8	26.7
70°-80°	3717.9	13.5
80°-90°	563.0	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°	27501.4	100.0
0°-180°	27501.4	100.0

**Coefficient of Utilization**



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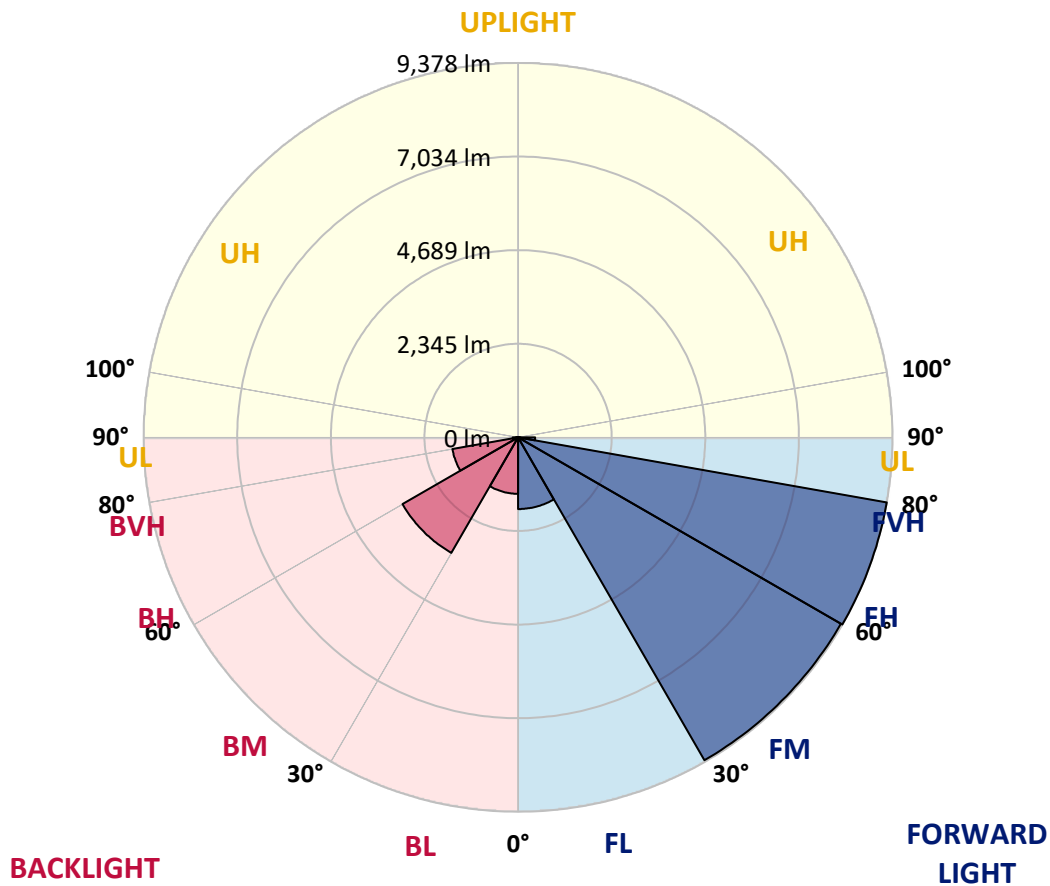
CATALOG NUMBER: GWS-SA6C-750-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.6	6.5			
FM (30°-60°)	9337.9	34.0			
FH (60°-80°)	9378.2	34.1			G4/12000
FVH (80°-90°)	427.3	1.6			G3/500
BL (0°-30°)	1414.0	5.1	B3/2500		
BM (30°-60°)	3342.2	12.2	B3/5000		
BH (60°-80°)	1670.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	135.7	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°	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0
2.5°	3922.8	3920.7	3960.2	4020.6	4076.8	4101.8	4143.5	4139.3	4106.0	4062.3	4047.7
5°	4230.9	4239.2	4308.0	4441.2	4589.0	4651.5	4678.6	4668.2	4607.8	4530.7	4395.4
7.5°	4509.9	4524.5	4630.7	4830.6	5013.8	5097.1	5163.7	5151.2	5063.8	4920.1	4720.2
10°	4714.0	4730.6	4857.6	5092.9	5297.0	5369.8	5455.2	5459.4	5382.3	5188.7	4984.7
12.5°	4918.0	4934.7	5053.4	5267.8	5401.1	5403.2	5453.1	5480.2	5484.4	5394.8	5190.8
15°	5130.4	5145.0	5253.2	5374.0	5367.8	5251.2	5251.2	5303.2	5417.7	5482.3	5340.7
17.5°	5311.5	5330.3	5413.6	5374.0	5188.7	4978.4	4953.4	5020.0	5219.9	5467.7	5453.1
20°	5461.5	5476.0	5521.8	5259.5	4922.2	4647.3	4599.5	4676.5	4947.2	5378.2	5538.5
22.5°	5605.1	5613.5	5588.5	5109.6	4634.9	4320.4	4262.1	4343.4	4634.9	5219.9	5611.4
25°	5775.9	5767.5	5648.9	4953.4	4372.5	4062.3	4001.9	4093.5	4397.5	5009.6	5690.5
27.5°	5973.7	5942.4	5700.9	4784.8	4170.5	3870.7	3829.1	3926.9	4210.1	4816.0	5753.0
30°	6142.3	6081.9	5709.2	4634.9	4066.4	3789.5	3764.5	3856.1	4118.5	4684.8	5832.1
32.5°	6329.7	6246.4	5757.1	4595.3	4124.7	3985.2	4018.5	4024.8	4143.5	4647.3	5950.8
35°	6598.3	6490.0	5888.3	4709.8	4724.4	4959.7	5080.4	4918.0	4520.3	4730.6	6175.6
37.5°	7004.3	6866.9	6154.8	5205.4	5963.3	6490.0	6781.5	6410.9	5665.5	5045.0	6515.0
40°	7497.8	7322.9	6496.3	6121.5	7120.9	7964.2	8482.7	7939.2	6844.0	5830.0	6991.8
42.5°	8187.0	8003.8	7158.4	7021.0	8193.2	9448.8	10125.5	9315.5	7883.0	6844.0	7756.0
45°	9388.4	9211.4	8372.3	7922.6	9448.8	11276.9	12226.3	11099.9	8938.6	7862.2	9184.3
47.5°	11607.9	11399.7	10175.4	8922.0	10881.3	13650.5	14978.9	13338.2	10035.9	9028.2	11583.0
50°	14273.1	14073.2	12438.7	10104.6	12463.7	16188.7	18035.5	15968.0	11299.8	10446.1	14450.1
52.5°	17479.6	17442.1	15668.1	11599.6	14110.7	18895.5	21427.3	18880.9	12684.4	12355.4	17698.2
55°	20369.6	20736.1	19770.0	13879.6	16238.6	22295.6	24914.9	22058.2	14562.5	15512.0	21502.3
57.5°	21927.1	22911.9	24396.5	18531.1	19332.7	26359.9	29218.7	25937.3	17789.8	20767.3	25029.4
60°	20898.5	22014.5	24704.6	22033.2	22401.8	29616.4	32770.9	29197.9	20958.9	24415.2	24829.6
62.5°	19187.0	20188.5	22580.8	19988.6	22876.5	30332.7	32854.1	29766.3	22218.6	22564.2	22428.8
65°	17156.9	18166.7	20700.7	17448.4	21367.0	28631.6	30430.5	28094.4	19955.3	20386.3	20436.2
67.5°	14460.5	15393.3	17973.1	15514.1	19476.4	26135.1	26709.7	25712.4	18377.0	19064.1	18345.8
70°	10804.2	11645.4	13923.3	12607.4	16417.7	22882.8	22418.4	22566.3	16605.1	17288.0	15324.6
72.5°	7383.3	8016.3	9969.3	9906.8	12572.0	18318.7	17671.2	19072.4	13869.2	14774.9	11682.9
75°	5163.7	5657.2	7206.3	7826.8	9502.9	13577.7	12584.5	14275.2	10831.3	12124.3	8524.3
77.5°	3169.0	3495.9	4551.6	5798.8	6113.2	9292.6	7816.4	10741.8	7606.1	8842.9	5686.3
80°	1584.5	1742.8	2211.2	3645.8	4053.9	5476.0	4316.3	6236.0	5147.1	5476.0	3146.1
82.5°	478.9	528.9	647.5	1384.6	2100.9	3152.4	2550.6	3622.9	2810.9	2567.3	1238.9
85°	127.0	143.7	179.1	410.2	737.1	1130.6	862.0	1755.2	1347.1	947.4	466.4
87.5°	10.4	10.4	8.3	8.3	4.2	0.0	0.0	124.9	251.9	143.7	81.2
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°	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0
2.5°	3974.8	3966.5	3881.1	3818.7	3745.8	3675.0	3602.1	3537.6	3464.7	3391.8	3371.0
5°	4295.5	4237.2	4056.0	3904.0	3754.1	3622.9	3508.4	3389.7	3294.0	3200.3	3164.9
7.5°	4578.6	4476.6	4214.3	3983.1	3774.9	3612.5	3443.9	3271.0	3135.7	3002.5	2969.1
10°	4834.7	4699.4	4368.3	4076.8	3845.7	3660.4	3462.6	3231.5	3035.8	2873.4	2829.6
12.5°	5024.2	4876.4	4501.6	4166.4	3904.0	3695.8	3500.1	3296.0	3089.9	2879.6	2831.7
15°	5174.1	5020.0	4611.9	4235.1	3906.1	3637.5	3448.0	3377.2	3312.7	3106.6	3019.1
17.5°	5294.9	5132.5	4707.7	4276.7	3849.9	3460.5	3296.0	3400.1	3564.6	3435.5	3271.0
20°	5405.2	5240.8	4780.6	4305.9	3725.0	3216.9	3125.3	3346.0	3593.8	3589.6	3441.8
22.5°	5526.0	5365.7	4886.8	4322.5	3550.1	2969.1	3023.3	3266.9	3468.9	3529.2	3437.6
25°	5680.1	5538.5	5034.6	4360.0	3352.3	2798.4	2948.3	3164.9	3333.5	3348.1	3294.0
27.5°	5859.2	5753.0	5255.3	4447.5	3160.7	2711.0	2860.9	3021.2	3175.3	3181.5	3117.0
30°	6054.9	5984.1	5459.4	4520.3	3017.0	2683.9	2748.4	2877.5	2975.4	2992.0	2935.8
32.5°	6304.7	6242.3	5640.5	4472.4	2931.7	2677.6	2644.3	2711.0	2792.2	2792.2	2748.4
35°	6648.3	6560.8	5832.1	4289.2	2827.6	2652.7	2534.0	2552.7	2588.1	2594.4	2569.4
37.5°	7135.5	6991.8	6025.7	3926.9	2656.8	2563.1	2407.0	2384.1	2396.5	2413.2	2407.0
40°	7739.3	7504.0	6308.9	3491.8	2452.8	2390.3	2275.8	2232.1	2221.6	2255.0	2267.5
42.5°	8499.3	8139.1	6612.9	3085.7	2267.5	2192.5	2121.7	2084.2	2067.6	2123.8	2157.1
45°	9713.2	9119.8	6904.4	2683.9	2163.3	2023.8	1976.0	1948.9	1957.2	2023.8	2065.5
47.5°	11809.9	10616.8	7181.3	2429.9	2155.0	1903.1	1844.8	1851.0	1873.9	1944.7	1994.7
50°	14462.6	12622.0	7366.6	2323.7	2180.0	1830.2	1753.2	1786.5	1821.9	1890.6	1948.9
52.5°	17163.1	14489.6	7145.9	2265.4	2177.9	1832.3	1667.8	1767.7	1784.4	1853.1	1915.6
55°	19020.4	14697.9	6173.6	2175.8	2144.6	1915.6	1601.2	1759.4	1769.8	1832.3	1888.5
57.5°	19728.3	13985.8	4707.7	2200.8	2044.7	1980.1	1572.0	1701.1	1776.1	1830.2	1888.5
60°	18872.5	12642.8	2860.9	2265.4	1884.3	1976.0	1590.8	1594.9	1724.0	1815.6	1873.9
62.5°	17258.9	10918.8	2009.3	2082.1	1767.7	1865.6	1634.5	1470.0	1632.4	1742.8	1794.8
65°	15409.9	8890.8	1532.5	1792.7	1711.5	1694.9	1649.1	1359.6	1507.5	1615.7	1661.6
67.5°	13484.0	6910.6	1245.1	1336.7	1547.0	1532.5	1507.5	1261.8	1359.6	1436.7	1488.7
70°	11058.3	4834.7	1051.5	1003.6	1326.3	1374.2	1318.0	1138.9	1170.2	1249.3	1290.9
72.5°	8089.1	3012.9	864.1	828.7	1066.1	1201.4	1172.2	1003.6	1018.2	1093.1	1126.4
75°	5817.5	1724.0	693.4	682.9	814.1	1028.6	970.3	864.1	880.7	937.0	959.9
77.5°	3697.9	959.9	535.1	549.7	583.0	768.3	828.7	739.2	739.2	772.5	791.2
80°	1980.1	549.7	391.4	397.7	408.1	587.2	653.8	572.6	572.6	549.7	572.6
82.5°	807.9	316.5	268.6	249.9	272.8	401.9	458.1	364.4	381.0	343.6	351.9
85°	266.5	158.2	133.3	131.2	129.1	177.0	220.7	181.1	216.5	137.4	143.7
87.5°	35.4	29.2	16.7	12.5	14.6	6.2	12.5	14.6	14.6	10.4	10.4
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°	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0
2.5°	3356.4	3339.8	3279.4	3294.0	3283.5	3266.9	3283.5	3252.3	3277.3	3285.6	3337.7
5°	3137.8	3098.2	3039.9	3010.8	3004.5	2987.9	2990.0	2975.4	2979.5	3014.9	3073.2
7.5°	2942.1	2904.6	2858.8	2838.0	2819.2	2800.5	2798.4	2796.3	2813.0	2844.2	2900.4
10°	2800.5	2779.7	2760.9	2769.3	2760.9	2752.6	2738.0	2738.0	2765.1	2821.3	2890.0
12.5°	2800.5	2796.3	2800.5	2825.5	2823.4	2825.5	2806.7	2817.1	2892.1	2987.9	3085.7
15°	2950.4	2917.1	2917.1	2929.6	2925.4	2925.4	2925.4	2969.1	3139.9	3287.7	3391.8
17.5°	3133.6	3035.8	2994.1	2987.9	2985.8	2985.8	2994.1	3087.8	3354.3	3510.5	3570.9
20°	3260.6	3075.3	3006.6	2979.5	2981.6	2985.8	3010.8	3139.9	3433.5	3512.6	3498.0
22.5°	3283.5	3044.1	2960.8	2921.2	2927.5	2931.7	2969.1	3106.6	3325.2	3337.7	3308.5
25°	3177.4	2956.6	2867.1	2835.9	2844.2	2842.1	2875.4	2975.4	3131.5	3127.4	3110.7
27.5°	3019.1	2817.1	2750.5	2729.7	2744.3	2727.6	2738.0	2815.1	2935.8	2931.7	2925.4
30°	2856.7	2681.8	2621.4	2611.0	2629.7	2604.8	2606.8	2671.4	2754.7	2750.5	2748.4
32.5°	2694.3	2546.5	2492.3	2492.3	2511.1	2484.0	2488.2	2544.4	2600.6	2583.9	2583.9
35°	2540.2	2436.1	2392.4	2384.1	2398.6	2379.9	2388.2	2440.3	2461.1	2438.2	2423.6
37.5°	2404.9	2359.1	2315.3	2286.2	2288.3	2290.4	2315.3	2354.9	2342.4	2309.1	2290.4
40°	2279.9	2279.9	2238.3	2184.2	2177.9	2192.5	2234.1	2277.9	2242.5	2205.0	2182.1
42.5°	2190.4	2209.2	2169.6	2115.5	2103.0	2128.0	2173.8	2205.0	2163.3	2121.7	2090.5
45°	2107.1	2152.9	2125.9	2065.5	2048.8	2078.0	2136.3	2148.8	2092.6	2053.0	2030.1
47.5°	2048.8	2111.3	2092.6	2034.3	2009.3	2050.9	2111.3	2109.2	2038.4	1996.8	1978.0
50°	2007.2	2086.3	2084.2	2034.3	2007.2	2059.2	2113.4	2086.3	2009.3	1965.5	1946.8
52.5°	1973.9	2084.2	2098.8	2069.7	2050.9	2096.7	2130.0	2078.0	1988.4	1942.6	1928.1
55°	1959.3	2092.6	2103.0	2075.9	2059.2	2100.9	2130.0	2094.6	1988.4	1946.8	1934.3
57.5°	1963.5	2082.1	2084.2	2046.7	2017.6	2069.7	2115.5	2105.0	2011.4	1963.5	1948.9
60°	1938.5	2025.9	2030.1	1971.8	1938.5	2000.9	2082.1	2075.9	2000.9	1951.0	1923.9
62.5°	1855.2	1932.2	1934.3	1880.2	1832.3	1921.8	2011.4	2009.3	1940.6	1890.6	1859.4
65°	1715.7	1796.9	1817.7	1765.7	1728.2	1824.0	1917.7	1913.5	1844.8	1799.0	1767.7
67.5°	1542.9	1630.3	1669.9	1634.5	1619.9	1707.4	1794.8	1792.7	1736.5	1692.8	1665.7
70°	1332.6	1405.4	1472.1	1472.1	1461.7	1561.6	1655.3	1647.0	1594.9	1561.6	1540.8
72.5°	1157.7	1213.9	1234.7	1255.5	1286.8	1390.9	1470.0	1476.2	1438.8	1422.1	1438.8
75°	984.9	1020.3	1039.0	1022.3	1076.5	1184.7	1288.8	1299.3	1259.7	1232.6	1238.9
77.5°	810.0	849.5	868.3	830.8	826.6	964.0	1091.0	1113.9	1080.6	1039.0	1051.5
80°	585.1	637.1	668.4	643.4	635.1	695.4	870.3	895.3	864.1	830.8	849.5
82.5°	358.1	387.3	395.6	420.6	472.6	497.6	560.1	643.4	620.5	591.3	643.4
85°	141.6	168.7	187.4	212.4	247.8	293.6	345.6	412.3	374.8	362.3	426.8
87.5°	8.3	2.1	0.0	4.2	35.4	68.7	147.8	204.1	170.7	183.2	220.7
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0	3650.0
2.5°	3379.3	3433.5	3506.3	3566.7	3643.8	3716.6	3791.6	3866.5	3906.1	3922.8
5°	3139.9	3239.8	3356.4	3485.5	3635.4	3793.7	3954.0	4118.5	4222.6	4230.9
7.5°	2996.2	3139.9	3300.2	3462.6	3647.9	3866.5	4120.6	4374.6	4480.8	4509.9
10°	3042.0	3202.3	3329.3	3481.3	3685.4	3958.2	4258.0	4555.7	4678.6	4714.0
12.5°	3225.2	3256.5	3296.0	3435.5	3685.4	4037.3	4399.6	4753.5	4884.7	4918.0
15°	3377.2	3227.3	3156.5	3304.4	3635.4	4106.0	4549.5	4940.9	5099.2	5130.4
17.5°	3389.7	3131.5	2977.5	3110.7	3548.0	4153.9	4693.2	5149.1	5282.4	5311.5
20°	3262.7	3029.5	2829.6	2910.8	3429.3	4174.7	4797.3	5301.1	5432.3	5461.5
22.5°	3119.1	2946.2	2729.7	2725.5	3285.6	4197.6	4922.2	5444.8	5586.4	5605.1
25°	2983.7	2831.7	2648.5	2590.2	3119.1	4241.3	5090.8	5661.3	5769.6	5775.9
27.5°	2825.5	2708.9	2583.9	2527.7	2973.3	4324.6	5340.7	5919.5	5984.1	5973.7
30°	2681.8	2594.4	2538.1	2521.5	2881.7	4387.1	5578.1	6173.6	6177.7	6142.3
32.5°	2529.8	2496.5	2496.5	2550.6	2806.7	4372.5	5771.7	6421.3	6381.8	6329.7
35°	2394.5	2400.7	2444.4	2571.4	2681.8	4226.8	5957.0	6731.6	6673.3	6598.3
37.5°	2265.4	2313.3	2375.7	2498.6	2517.3	4010.2	6173.6	7170.9	7098.0	7004.3
40°	2155.0	2227.9	2300.8	2361.2	2342.4	3702.1	6475.5	7687.3	7606.1	7497.8
42.5°	2067.6	2138.4	2219.6	2225.8	2232.1	3381.4	6796.1	8320.2	8305.7	8187.0
45°	2011.4	2057.2	2134.2	2123.8	2225.8	3027.4	7091.8	9286.4	9477.9	9388.4
47.5°	1973.9	2009.3	2017.6	2061.3	2279.9	2711.0	7472.8	11176.9	11710.0	11607.9
50°	1953.1	1988.4	1894.8	2065.5	2288.3	2506.9	7999.6	13550.6	14408.4	14273.1
52.5°	1951.0	1942.6	1801.1	2109.2	2242.5	2382.0	8274.4	15282.9	17186.0	17479.6
55°	1955.1	1851.0	1753.2	2121.7	2150.9	2336.2	7354.1	16115.8	19749.1	20369.6
57.5°	1917.7	1751.1	1780.2	2071.7	1978.0	2459.0	5436.5	15818.0	20773.5	21927.1
60°	1846.9	1655.3	1830.2	1936.4	1801.1	2248.7	3743.7	14489.6	19711.7	20898.5
62.5°	1744.8	1588.7	1824.0	1761.5	1736.5	1840.6	2573.5	12630.3	18027.2	19187.0
65°	1630.3	1534.5	1726.1	1592.8	1607.4	1415.9	1819.8	10531.5	16015.8	17156.9
67.5°	1507.5	1501.2	1582.4	1417.9	1357.6	1122.3	1326.3	8441.0	13431.9	14460.5
70°	1368.0	1413.8	1438.8	1259.7	1101.5	880.7	984.9	5902.9	9908.9	10804.2
72.5°	1228.5	1232.6	1268.0	1095.2	824.5	705.8	739.2	3575.0	6731.6	7383.3
75°	1086.9	1047.3	1080.6	891.2	614.2	578.8	570.5	2209.2	4649.4	5163.7
77.5°	934.9	891.2	847.4	670.5	493.5	447.7	437.3	1238.9	2852.5	3169.0
80°	760.0	701.7	633.0	491.4	360.2	320.7	318.6	603.8	1422.1	1584.5
82.5°	591.3	481.0	462.2	306.1	222.8	195.7	208.2	231.1	428.9	478.9
85°	414.3	349.8	245.7	122.8	99.9	81.2	79.1	68.7	114.5	127.0
87.5°	231.1	152.0	79.1	14.6	16.7	18.7	14.6	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)