

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: P642608

Luminaire Tested: GWS-SA6D-730-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-730-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

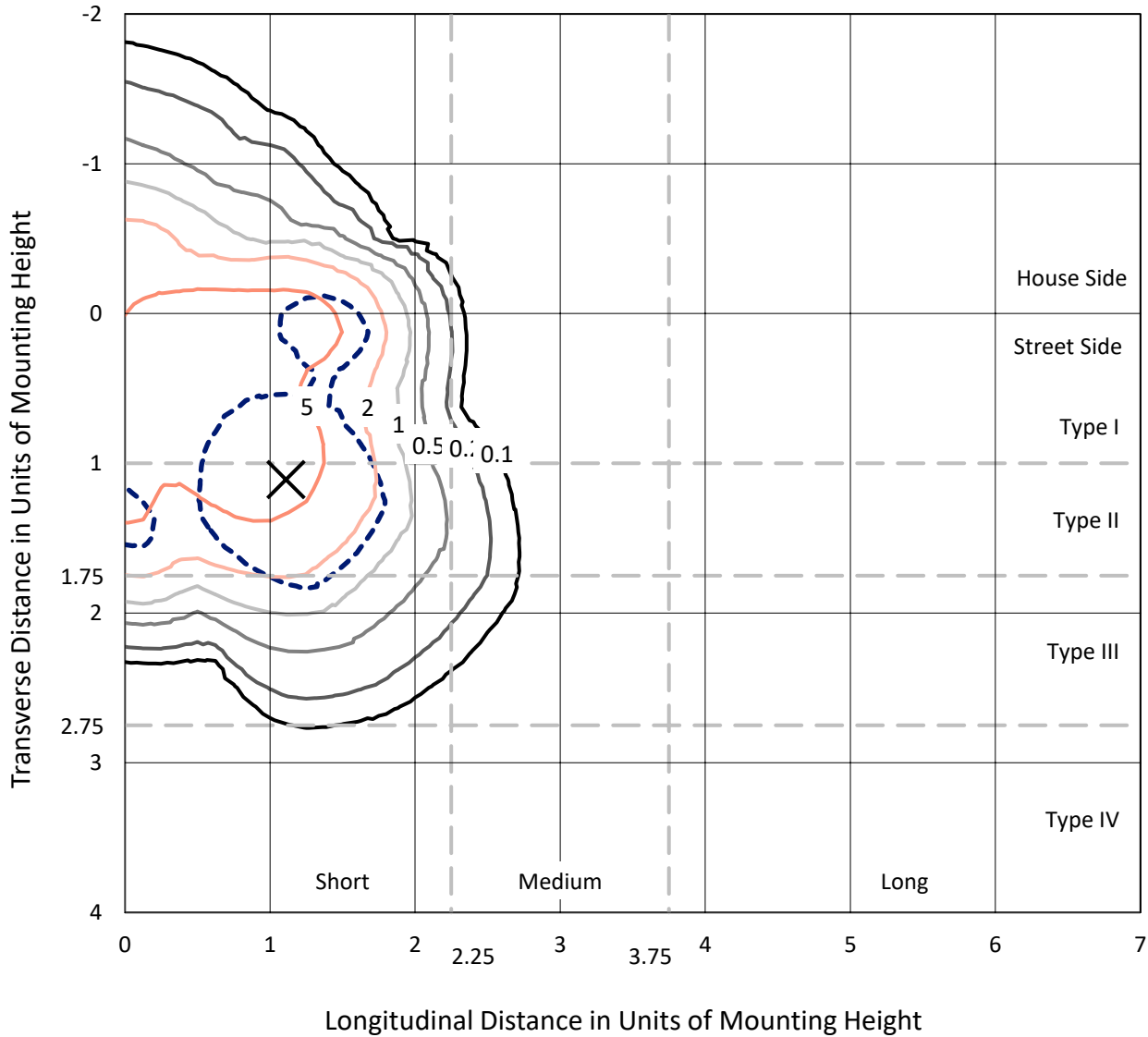
Lumens per Lamp: N/A  
Luminaire Lumens: 17402.5 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

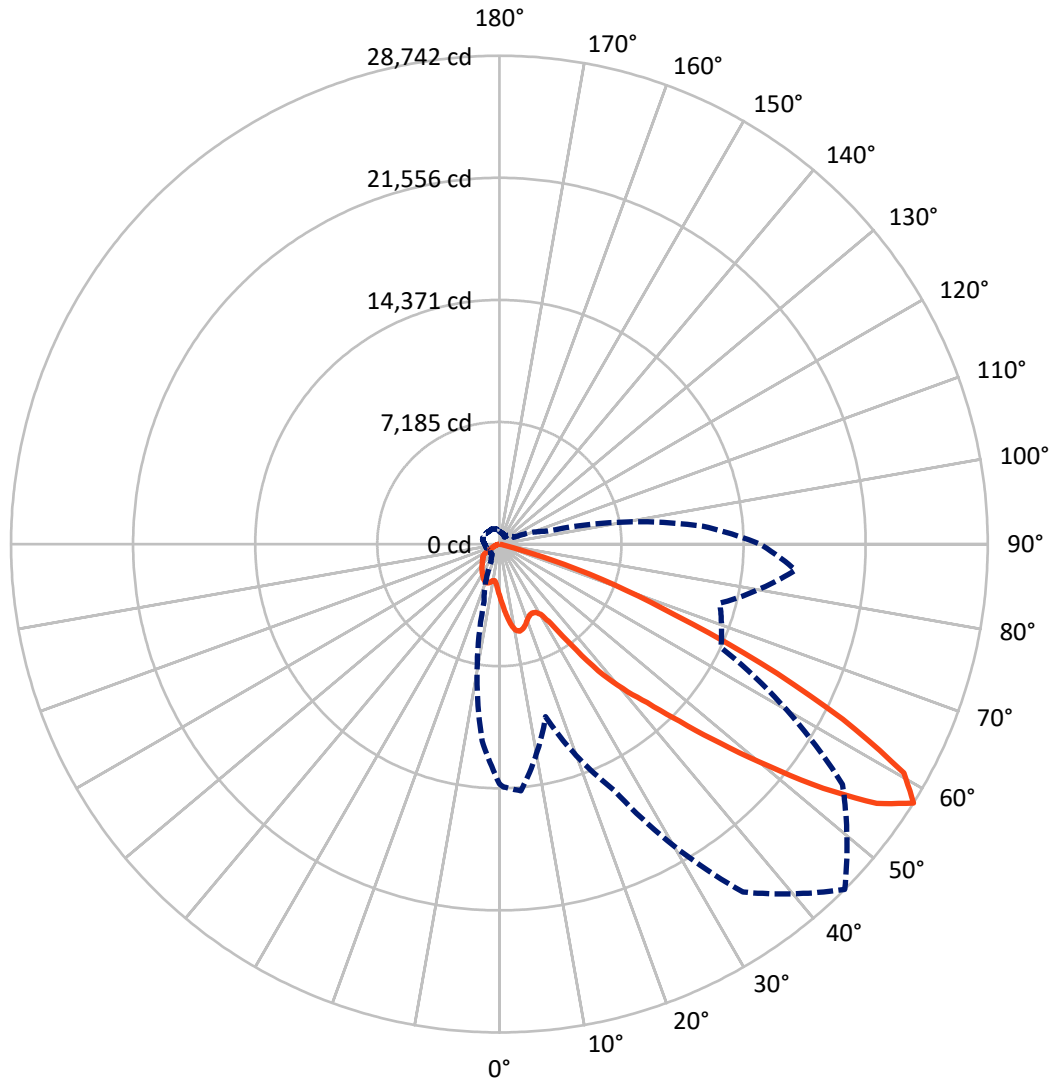
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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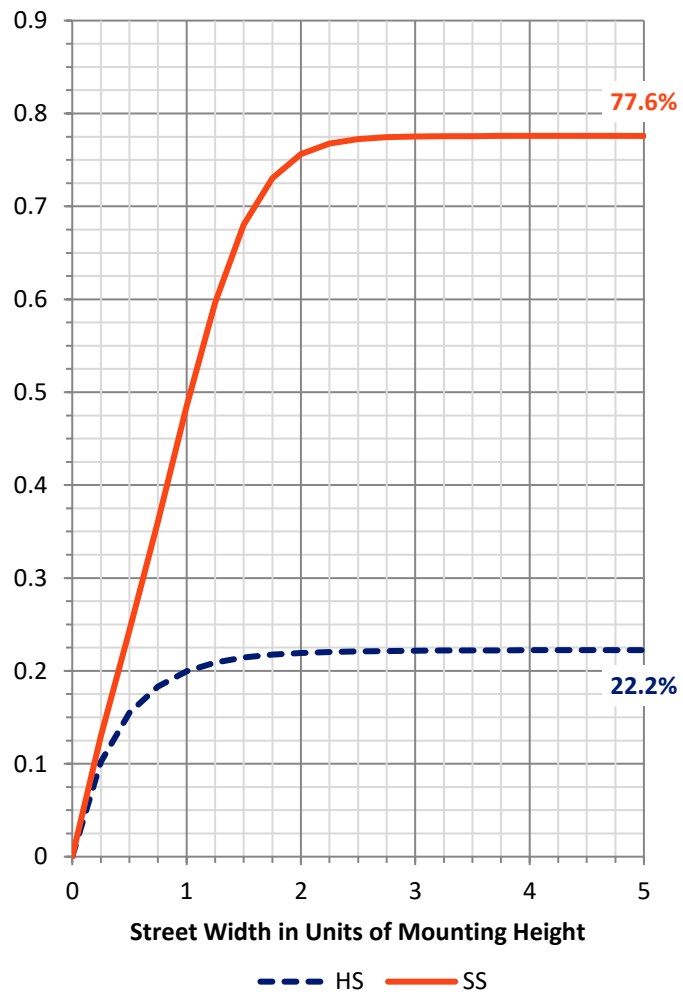
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3896.9	0.0	3896.9
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	13505.6	0.0	13505.6
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	17402.5	0.0	17402.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.9	1.7
10°-20°	973.4	5.6
20°-30°	1581.2	9.1
30°-40°	2443.2	14.0
40°-50°	3917.7	22.5
50°-60°	5354.5	30.8
60°-70°	2593.3	14.9
70°-80°	237.5	1.4
80°-90°	0.7	0.0
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°	17402.5	100.0
0°-180°	17402.5	100.0

**Coefficient of Utilization**



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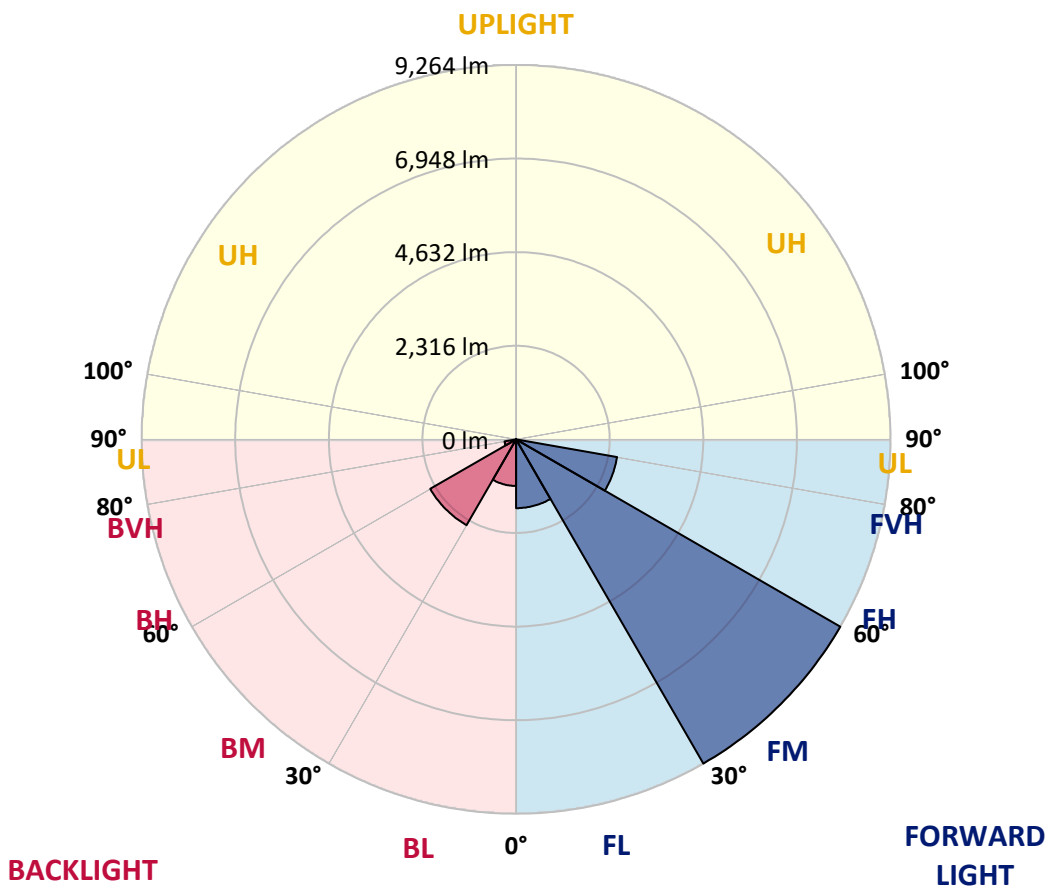
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.5	9.8			
FM (30°-60°)	9263.7	53.2			
FH (60°-80°)	2538.7	14.6			G2/5000
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1153.0	6.6	B3/2500		
BM (30°-60°)	2451.7	14.1	B2/2500		
BH (60°-80°)	292.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7
2.5°	3313.6	3334.6	3369.7	3444.5	3507.7	3549.7	3568.5	3563.8	3538.1	3519.3	3481.9
5°	3669.0	3669.0	3736.8	3907.5	4038.5	4120.3	4162.4	4136.7	4085.3	4003.4	3877.1
7.5°	3980.0	3991.7	4106.3	4349.5	4548.3	4665.2	4733.0	4719.0	4627.8	4471.1	4218.5
10°	4223.2	4237.2	4389.2	4686.2	4920.1	5039.3	5139.9	5149.2	5048.7	4840.6	4550.6
12.5°	4459.4	4473.4	4632.4	4917.7	5123.5	5172.6	5261.5	5296.6	5270.8	5123.5	4821.9
15°	4714.3	4747.0	4882.7	5095.5	5182.0	5123.5	5182.0	5245.1	5331.6	5317.6	5046.3
17.5°	4964.5	4987.9	5125.9	5200.7	5104.8	4952.8	4980.9	5055.7	5252.1	5443.9	5268.5
20°	5196.0	5228.7	5343.3	5245.1	4955.1	4719.0	4721.3	4819.5	5118.8	5521.1	5495.3
22.5°	5439.2	5488.3	5570.2	5294.2	4817.2	4534.2	4545.9	4634.8	5013.6	5593.5	5752.6
25°	5757.2	5804.0	5857.8	5415.8	4772.8	4443.0	4487.5	4569.3	5013.6	5717.5	6070.6
27.5°	6187.5	6220.2	6222.6	5642.6	4849.9	4457.1	4550.6	4644.1	5163.3	5965.4	6496.2
30°	6727.7	6779.1	6711.3	5995.8	5090.8	4644.1	4782.1	4899.0	5486.0	6383.9	7122.9
32.5°	7384.8	7457.3	7366.1	6519.6	5593.5	5289.5	5539.8	5607.6	6000.4	6989.6	7833.8
35°	8156.5	8217.3	8119.1	7244.5	6767.4	6823.6	7277.2	7190.7	7034.0	7735.6	8663.9
37.5°	9003.0	9059.1	8869.7	8343.5	8502.6	8745.8	9470.7	9173.7	8668.6	8696.6	9564.2
40°	9779.3	9840.1	9543.2	9538.5	9865.9	10310.2	11184.7	10775.5	10088.0	9954.7	10408.4
42.5°	10583.8	10625.9	10356.9	10174.5	10918.2	11832.5	12758.5	12206.6	11028.1	10883.1	11465.4
45°	11731.9	11820.8	11341.4	10487.9	11865.2	13584.0	14874.8	13796.8	11668.8	11551.9	13083.6
47.5°	13420.3	13485.8	12508.3	10684.3	12746.8	15765.7	17519.6	15859.3	12232.4	11965.8	15295.7
50°	14816.3	14860.8	13581.6	10899.5	13684.5	18118.2	20533.8	18305.3	12866.1	12650.9	17360.6
52.5°	15845.3	16013.6	14991.7	11341.4	14916.9	20884.6	23870.8	21202.6	13855.2	13974.5	19072.3
55°	16058.0	16287.2	15955.2	11612.7	16001.9	23702.4	26952.8	23795.9	14842.1	14977.7	19647.6
57.5°	14112.5	14294.9	14570.8	10518.3	15976.2	24993.2	28741.7	24656.5	14393.1	13432.0	17493.9
60°	10572.1	10698.4	11198.8	8039.5	14692.4	23852.1	27348.0	23192.6	12585.5	10249.4	13329.1
62.5°	6269.4	6325.5	6959.2	5207.7	12195.0	20540.8	22680.5	20012.3	9945.4	6893.7	8163.5
65°	2406.3	2382.9	2866.9	2569.9	8967.9	16362.0	16869.5	15256.0	6823.6	3159.2	3112.5
67.5°	371.8	355.4	479.4	760.0	6468.1	11339.1	11131.0	10995.3	4274.7	736.6	643.1
70°	84.2	84.2	102.9	224.5	3952.0	6662.2	7129.9	6797.8	2736.0	156.7	84.2
72.5°	39.8	39.8	49.1	95.9	1431.1	2745.3	3199.0	3149.9	888.6	51.4	30.4
75°	14.0	16.4	16.4	21.0	86.5	142.6	327.4	233.8	56.1	0.0	0.0
77.5°	4.7	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7
2.5°	3400.1	3383.7	3322.9	3241.1	3161.6	3091.4	3018.9	2932.4	2869.3	2796.8	2773.4
5°	3778.9	3676.0	3510.0	3337.0	3177.9	3042.3	2911.4	2771.0	2668.2	2565.3	2530.2
7.5°	4099.3	3947.3	3678.4	3418.8	3201.3	3009.6	2820.2	2628.4	2478.7	2357.1	2319.7
10°	4386.9	4211.5	3851.4	3531.0	3257.4	3035.3	2806.1	2565.3	2371.2	2226.2	2191.1
12.5°	4634.8	4431.3	3998.7	3615.2	3280.8	3025.9	2803.8	2612.0	2436.7	2270.6	2226.2
15°	4842.9	4618.4	4122.7	3671.3	3245.8	2909.0	2714.9	2684.5	2670.5	2488.1	2401.6
17.5°	5046.3	4793.8	4223.2	3697.1	3147.5	2703.2	2562.9	2700.9	2848.2	2729.0	2619.0
20°	5259.1	4971.5	4326.1	3701.7	2983.8	2471.7	2448.3	2665.8	2852.9	2815.5	2712.6
22.5°	5509.4	5193.7	4454.7	3699.4	2778.1	2275.3	2364.2	2598.0	2750.0	2747.7	2665.8
25°	5871.8	5474.3	4627.8	3713.4	2553.6	2123.3	2270.6	2483.4	2607.4	2602.7	2534.9
27.5°	6260.0	5808.7	4852.3	3748.5	2361.8	2034.4	2160.7	2326.7	2434.3	2429.6	2371.2
30°	6804.9	6194.5	5067.4	3750.9	2223.9	1987.7	2039.1	2153.7	2256.6	2244.9	2200.5
32.5°	7466.6	6629.5	5247.5	3617.6	2137.3	1943.2	1912.8	1971.3	2050.8	2034.4	2022.7
35°	8266.4	7146.3	5401.8	3325.3	2004.0	1854.4	1772.5	1784.2	1840.4	1849.7	1845.0
37.5°	9178.4	7761.3	5593.5	2939.4	1824.0	1725.8	1615.9	1606.5	1639.2	1669.6	1693.0
40°	10078.7	8453.5	5853.1	2548.9	1660.3	1562.1	1456.8	1433.5	1447.5	1501.3	1550.4
42.5°	11091.2	9255.5	6133.7	2214.5	1548.0	1382.0	1281.5	1237.0	1276.8	1363.3	1421.8
45°	12550.4	10380.3	6407.3	1947.9	1501.3	1223.0	1087.4	1082.7	1127.1	1239.4	1304.8
47.5°	14598.9	11834.8	6587.4	1739.8	1498.9	1099.1	937.7	965.8	1017.2	1127.1	1202.0
50°	16595.9	13656.5	6388.6	1580.8	1449.8	1017.2	825.5	881.6	933.0	1028.9	1106.1
52.5°	17800.2	14636.3	5614.6	1431.1	1297.8	979.8	715.6	813.8	823.1	909.7	991.5
55°	17673.9	14002.6	4300.4	1199.6	1073.3	926.0	601.0	734.3	738.9	804.4	874.6
57.5°	15340.1	12021.9	2953.4	972.8	806.8	764.7	495.7	619.7	664.1	703.9	755.3
60°	11432.6	8771.5	1316.5	790.4	512.1	516.8	423.3	467.7	535.5	582.3	626.7
62.5°	6737.0	5046.3	535.5	474.7	283.0	325.0	341.4	341.4	383.5	418.6	446.6
65°	2546.6	1765.5	217.5	238.5	147.3	152.0	201.1	247.9	280.6	311.0	348.4
67.5°	446.6	308.7	112.2	88.9	86.5	77.2	102.9	161.4	180.1	203.4	219.8
70°	74.8	63.1	46.8	44.4	39.8	42.1	67.8	114.6	126.3	133.3	140.3
72.5°	21.0	18.7	14.0	11.7	9.4	11.7	42.1	88.9	93.5	98.2	105.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	16.4	63.1	67.8	70.2	77.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	18.7	23.4	18.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7
2.5°	2759.4	2712.6	2686.9	2672.8	2672.8	2654.1	2633.1	2626.1	2656.5	2656.5	2707.9
5°	2485.8	2448.3	2406.3	2380.5	2340.8	2347.8	2324.4	2322.1	2352.5	2366.5	2420.3
7.5°	2296.3	2249.6	2223.9	2207.5	2186.4	2177.1	2156.0	2149.0	2165.4	2188.8	2240.2
10°	2170.1	2163.1	2160.7	2172.4	2172.4	2160.7	2142.0	2130.3	2135.0	2179.4	2237.9
12.5°	2202.8	2216.8	2221.5	2240.2	2249.6	2240.2	2226.2	2230.9	2261.3	2343.1	2429.6
15°	2345.5	2333.8	2329.1	2338.4	2345.5	2336.1	2331.4	2366.5	2471.7	2588.7	2686.9
17.5°	2497.5	2422.6	2389.9	2389.9	2394.6	2389.9	2394.6	2462.4	2633.1	2750.0	2822.5
20°	2574.6	2436.7	2385.2	2373.5	2382.9	2385.2	2401.6	2478.7	2665.8	2747.7	2764.0
22.5°	2551.2	2378.2	2319.7	2310.4	2319.7	2329.1	2345.5	2410.9	2586.3	2628.4	2621.4
25°	2434.3	2263.6	2216.8	2216.8	2237.9	2235.5	2242.6	2289.3	2434.3	2460.0	2448.3
27.5°	2287.0	2125.6	2085.9	2109.3	2128.0	2123.3	2125.6	2165.4	2273.0	2280.0	2268.3
30°	2137.3	1997.0	1959.6	1987.7	2013.4	2008.7	2011.1	2050.8	2118.6	2111.6	2095.2
32.5°	1985.3	1882.4	1854.4	1870.7	1910.5	1905.8	1915.2	1957.3	1983.0	1952.6	1933.9
35°	1845.0	1791.2	1770.2	1779.6	1810.0	1817.0	1833.3	1861.4	1861.4	1824.0	1791.2
37.5°	1714.1	1707.1	1693.0	1681.3	1709.4	1730.4	1753.8	1786.6	1739.8	1686.0	1655.6
40°	1592.5	1622.9	1604.2	1573.8	1590.1	1620.5	1667.3	1693.0	1636.9	1583.1	1531.7
42.5°	1480.2	1531.7	1524.7	1487.2	1501.3	1529.3	1583.1	1604.2	1538.7	1477.9	1428.8
45°	1372.7	1445.2	1449.8	1403.1	1417.1	1445.2	1508.3	1515.3	1431.1	1365.6	1330.6
47.5°	1279.1	1358.6	1361.0	1325.9	1330.6	1370.3	1428.8	1431.1	1335.2	1274.4	1230.0
50°	1190.3	1281.5	1288.5	1258.1	1262.8	1309.5	1358.6	1349.3	1246.4	1183.2	1143.5
52.5°	1082.7	1206.6	1223.0	1209.0	1227.7	1265.1	1295.5	1262.8	1143.5	1080.4	1045.3
55°	965.8	1127.1	1162.2	1152.8	1173.9	1204.3	1211.3	1190.3	1040.6	977.5	944.7
57.5°	830.1	928.4	989.2	970.5	986.8	1017.2	1038.3	1021.9	909.7	860.5	832.5
60°	687.5	753.0	767.0	736.6	722.6	776.4	825.5	804.4	708.5	678.1	645.4
62.5°	502.8	577.6	586.9	547.2	530.8	589.3	631.4	610.3	505.1	472.4	446.6
65°	402.2	472.4	491.1	453.7	444.3	488.7	514.5	463.0	388.2	353.1	325.0
67.5°	264.2	320.4	369.5	367.1	348.4	362.5	343.8	301.7	247.9	229.2	210.5
70°	163.7	196.4	226.8	238.5	236.2	231.5	205.8	175.4	159.0	152.0	142.6
72.5°	126.3	159.0	182.4	189.4	191.8	184.7	163.7	135.6	119.3	109.9	102.9
75°	93.5	119.3	138.0	147.3	152.0	147.3	126.3	107.6	91.2	84.2	77.2
77.5°	32.7	39.8	49.1	53.8	51.4	49.1	44.4	44.4	35.1	32.7	28.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7	3058.7
2.5°	2766.4	2808.5	2885.6	2955.8	3030.6	3107.8	3192.0	3278.5	3318.2	3313.6
5°	2502.1	2593.3	2719.6	2857.6	3011.9	3177.9	3362.7	3552.1	3633.9	3669.0
7.5°	2336.1	2464.7	2630.7	2806.1	3009.6	3245.8	3524.0	3821.0	3940.3	3980.0
10°	2357.1	2506.8	2644.8	2815.5	3033.0	3339.3	3685.4	4038.5	4178.8	4223.2
12.5°	2527.9	2560.6	2598.0	2738.3	3011.9	3409.4	3832.7	4253.6	4415.0	4459.4
15°	2682.2	2530.2	2460.0	2588.7	2937.1	3458.5	3982.4	4485.1	4662.8	4714.3
17.5°	2689.2	2460.0	2303.4	2403.9	2815.5	3479.6	4129.7	4721.3	4915.4	4964.5
20°	2602.7	2382.9	2181.8	2184.1	2649.4	3474.9	4251.3	4934.1	5151.6	5196.0
22.5°	2476.4	2291.7	2083.5	2011.1	2471.7	3465.6	4384.6	5160.9	5397.1	5439.2
25°	2336.1	2174.7	1990.0	1880.1	2294.0	3474.9	4571.6	5457.9	5717.5	5757.2
27.5°	2184.1	2046.1	1917.5	1828.7	2144.3	3510.0	4796.1	5836.7	6145.4	6187.5
30°	2025.1	1922.2	1870.7	1817.0	2050.8	3519.3	5039.3	6278.7	6669.2	6727.7
32.5°	1868.4	1812.3	1814.6	1824.0	1961.9	3453.9	5261.5	6769.8	7291.2	7384.8
35°	1723.4	1707.1	1753.8	1800.6	1833.3	3285.5	5455.6	7349.7	8060.6	8156.5
37.5°	1599.5	1613.5	1672.0	1718.8	1693.0	3047.0	5712.8	8074.6	8921.1	9003.0
40°	1480.2	1515.3	1583.1	1604.2	1585.5	2768.7	6021.5	8773.8	9667.1	9779.3
42.5°	1370.3	1396.0	1491.9	1496.6	1555.1	2485.8	6318.5	9526.8	10525.3	10583.8
45°	1281.5	1276.8	1375.0	1405.4	1594.8	2172.4	6608.4	10530.0	11647.8	11731.9
47.5°	1194.9	1190.3	1213.6	1351.6	1611.2	1882.4	6896.1	11998.5	13275.3	13420.3
50°	1113.1	1120.1	1047.6	1325.9	1522.3	1660.3	7027.0	13357.2	14755.5	14816.3
52.5°	1040.6	1014.9	888.6	1241.7	1332.9	1449.8	6655.2	13974.5	15672.2	15845.3
55°	937.7	795.1	731.9	1007.9	1052.3	1265.1	5450.9	13616.7	15751.7	16058.0
57.5°	802.1	624.4	622.0	743.6	743.6	1173.9	3491.3	11633.7	13574.6	14112.5
60°	617.3	484.1	514.5	516.8	477.0	855.9	1959.6	8427.7	10036.6	10572.1
62.5°	439.6	369.5	388.2	308.7	273.6	427.9	940.1	4852.3	6194.5	6269.4
65°	294.6	250.2	203.4	170.7	168.4	182.4	388.2	1753.8	2132.7	2406.3
67.5°	194.1	152.0	107.6	107.6	121.6	121.6	147.3	290.0	406.9	371.8
70°	126.3	105.2	67.8	65.5	79.5	79.5	74.8	79.5	84.2	84.2
72.5°	93.5	79.5	39.8	35.1	44.4	46.8	42.1	39.8	39.8	39.8
75°	70.2	56.1	23.4	16.4	21.0	28.1	23.4	16.4	16.4	14.0
77.5°	28.1	21.0	9.4	7.0	11.7	16.4	14.0	7.0	4.7	4.7
80°	2.3	4.7	4.7	4.7	7.0	9.4	11.7	4.7	2.3	2.3
82.5°	0.0	2.3	2.3	2.3	4.7	7.0	9.4	4.7	2.3	2.3
85°	0.0	0.0	0.0	0.0	4.7	7.0	4.7	2.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.3	7.0	4.7	2.3	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

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