

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: P641840

Luminaire Tested: GWS-SA6B-760-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

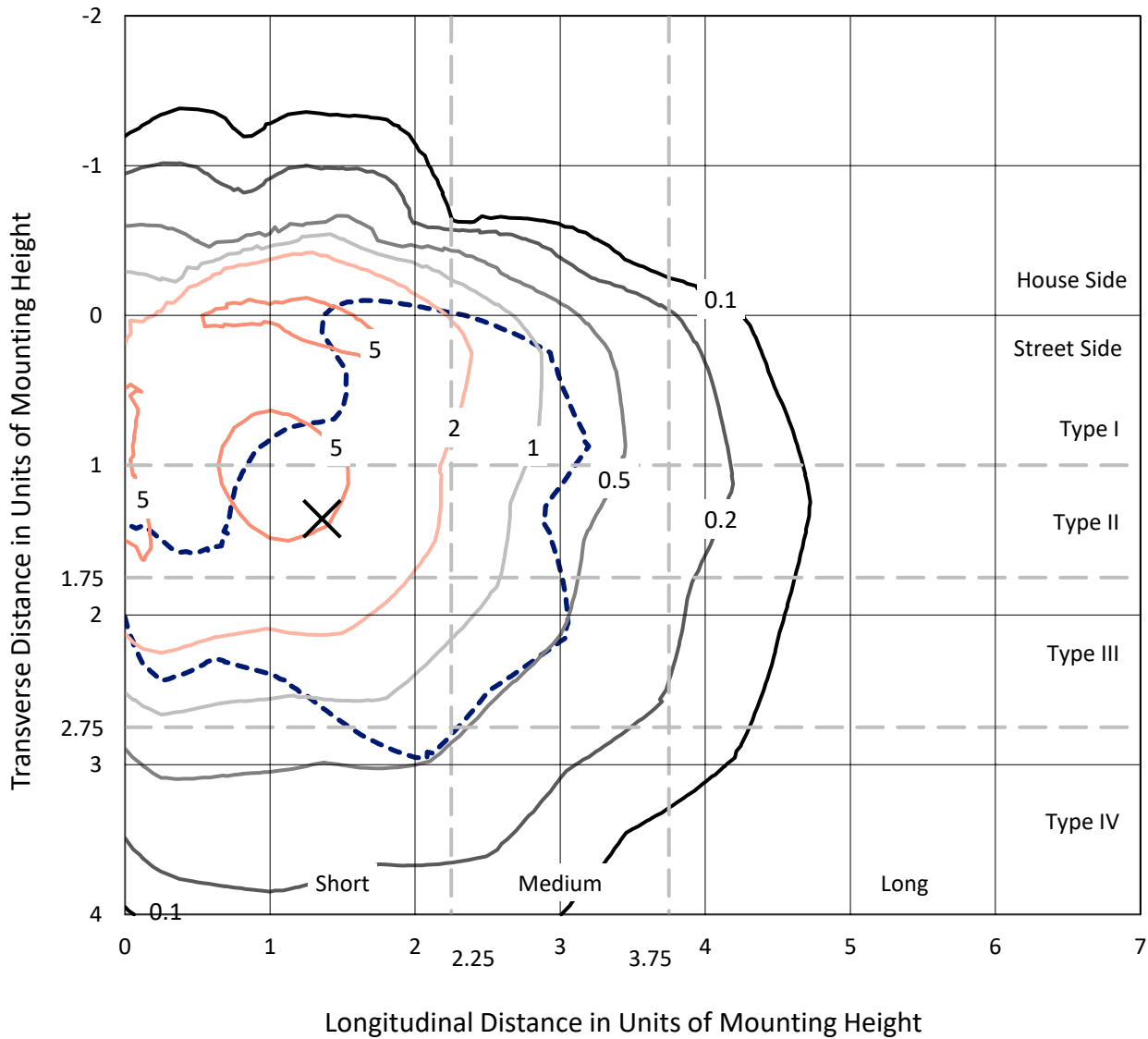
Lumens per Lamp: N/A  
Luminaire Lumens: 13256.5 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

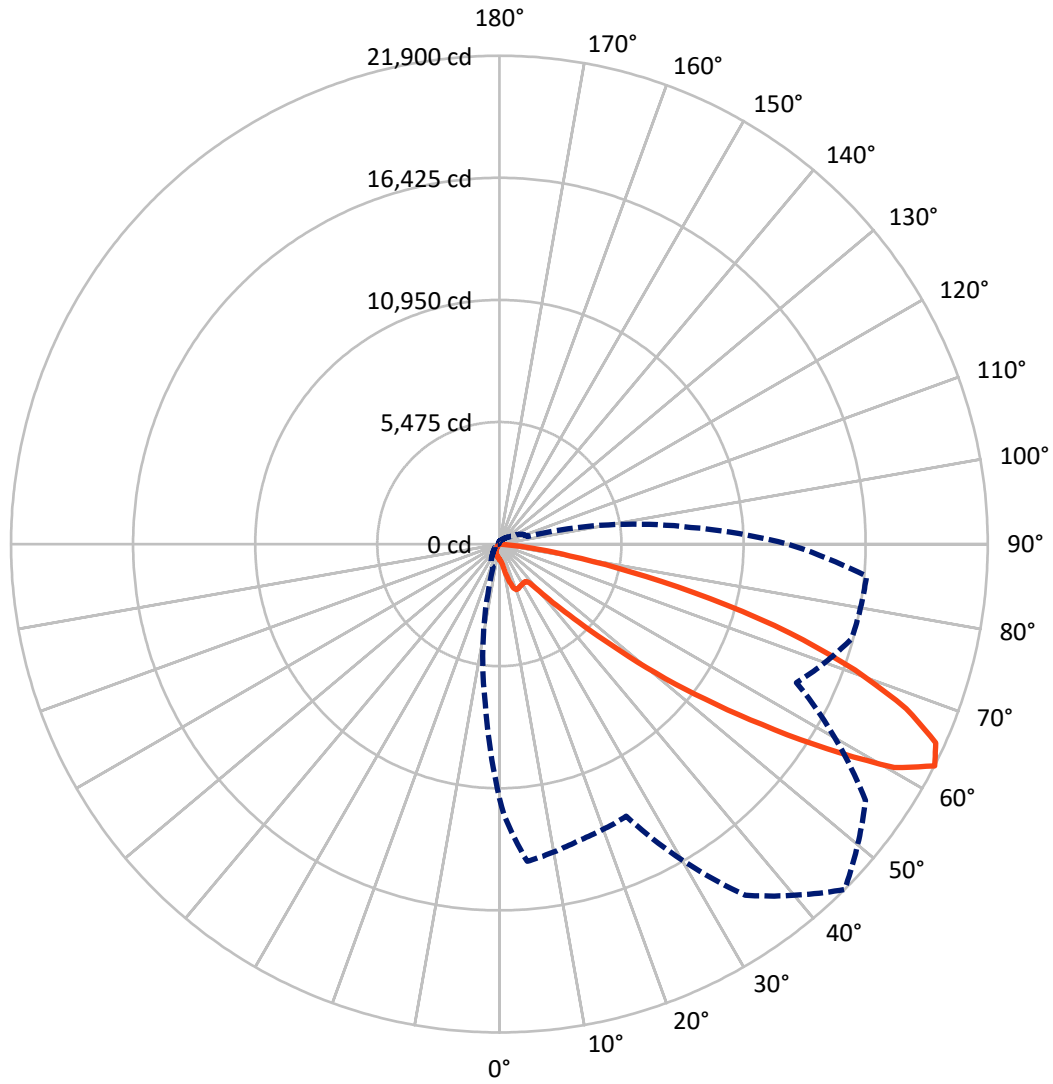
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - 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	1635.8	0.0	1635.8
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	11620.7	0.0	11620.7
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	13256.5	0.0	13256.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	0.5
10°-20°	231.1	1.7
20°-30°	502.4	3.8
30°-40°	824.6	6.2
40°-50°	1516.0	11.4
50°-60°	3255.6	24.6
60°-70°	4372.8	33.0
70°-80°	2276.9	17.2
80°-90°	215.9	1.6
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°	13256.5	100.0
0°-180°	13256.5	100.0

**Coefficient of Utilization**



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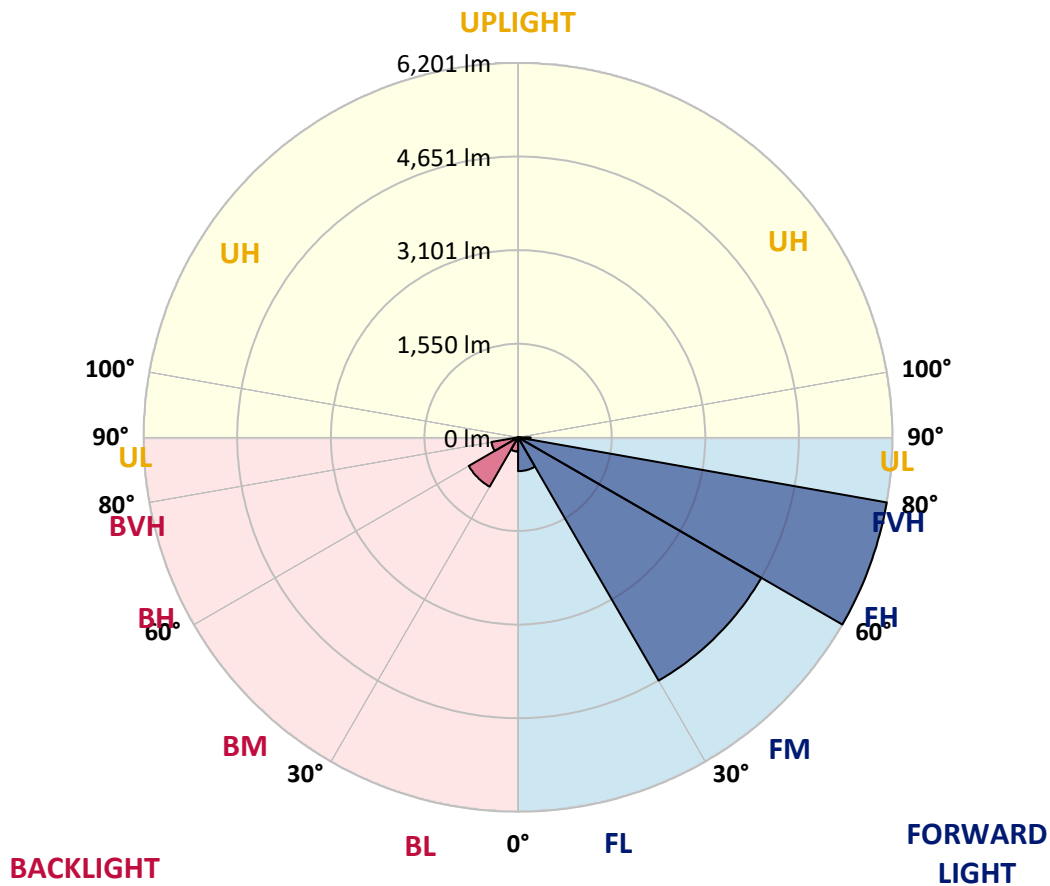
CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.0	4.2			
FM (30°-60°)	4652.9	35.1			
FH (60°-80°)	6201.5	46.8			G3/7500
FVH (80°-90°)	206.3	1.6			G2/225
BL (0°-30°)	234.6	1.8	B1/500		
BM (30°-60°)	943.3	7.1	B1/1000		
BH (60°-80°)	448.2	3.4	B1/500		G1/500
BVH (80°-90°)	9.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	702.8	705.9	709.0	719.7	727.3	733.5	735.0	730.4	719.7	709.0	693.7
5°	681.4	684.5	695.2	724.3	753.4	776.3	784.0	779.4	753.4	719.7	684.5
7.5°	679.9	686.0	712.0	773.3	836.1	883.5	895.8	885.1	836.1	768.7	696.7
10°	735.0	745.7	784.0	894.2	1009.1	1093.3	1127.0	1081.1	1003.0	880.5	762.6
12.5°	878.9	897.3	970.8	1131.6	1309.2	1421.0	1466.9	1410.3	1287.8	1110.2	923.3
15°	1105.6	1133.1	1243.4	1483.8	1693.6	1793.1	1808.4	1776.2	1633.8	1437.8	1186.7
17.5°	1425.6	1465.4	1636.9	1881.9	2033.5	2068.7	2064.1	2030.4	1926.3	1791.6	1554.2
20°	1808.4	1855.9	2024.3	2226.4	2241.7	2200.4	2177.4	2157.5	2122.3	2099.3	1914.1
22.5°	2194.3	2252.5	2428.6	2479.1	2341.3	2221.8	2165.2	2180.5	2232.6	2345.9	2270.8
25°	2578.6	2633.7	2799.1	2662.8	2387.2	2188.1	2116.2	2152.9	2277.0	2522.0	2618.4
27.5°	3027.3	3068.6	3166.6	2788.4	2394.9	2160.6	2090.2	2146.8	2298.4	2632.2	2999.7
30°	3494.3	3518.8	3471.3	2822.1	2368.8	2119.2	2064.1	2146.8	2335.1	2705.7	3286.1
32.5°	3837.3	3841.9	3687.2	2825.1	2355.1	2085.6	2039.6	2137.6	2370.4	2767.0	3563.2
35°	4191.0	4168.1	3894.0	2871.1	2391.8	2097.8	2058.0	2163.7	2425.5	2838.9	3806.7
37.5°	4549.3	4508.0	4125.2	2946.1	2486.7	2231.0	2206.5	2296.9	2514.3	2938.5	4074.6
40°	4916.8	4860.2	4365.6	3059.4	2698.1	2684.3	2768.5	2757.8	2757.8	3065.6	4350.3
42.5°	5365.5	5299.6	4720.8	3379.5	3191.1	3498.9	3728.6	3586.2	3322.8	3358.0	4708.6
45°	5958.1	5901.4	5336.4	3992.0	3964.4	4671.8	4981.1	4699.4	4044.0	4033.3	5307.3
47.5°	6905.9	6895.2	6317.9	4702.5	4910.7	6164.8	6762.0	6219.9	4866.3	4748.4	6440.4
50°	8238.1	8205.9	7541.4	5535.5	6036.2	8014.5	9080.3	8176.9	5860.1	5582.9	7957.9
52.5°	9738.7	9772.4	9254.8	6445.0	7232.1	10072.5	11556.3	10418.6	6939.6	6644.1	9867.3
55°	11152.1	11345.0	11208.7	7509.2	8400.4	12344.9	14275.8	12877.8	8276.4	8032.9	12008.0
57.5°	12257.6	12801.2	13756.7	9055.8	9773.9	15003.1	17312.3	15543.7	9836.7	10288.4	14922.0
60°	12318.9	13038.6	15257.3	12291.3	11541.0	17283.2	20344.1	18148.3	12289.8	14118.1	17205.1
62.5°	11395.5	12167.3	14280.4	13761.3	13465.8	19223.3	21899.9	20047.1	14703.0	16361.4	16528.3
65°	10339.0	11118.4	13190.1	12093.8	13242.2	19140.6	21504.8	20091.5	14922.0	14836.2	15317.0
67.5°	8741.9	9441.7	11317.4	10704.9	12205.6	18217.2	19679.6	18825.1	13747.5	13876.1	14090.5
70°	6380.7	7054.4	8795.5	8826.1	10659.0	16552.8	16909.5	16791.6	12660.3	12796.6	12184.1
72.5°	4609.0	5177.1	6679.3	7238.2	8509.1	13880.7	13634.2	14089.0	10862.7	11397.1	9786.2
75°	3313.6	3739.3	4900.0	6296.5	6745.1	10308.3	9760.2	10911.7	8715.9	9813.8	7357.6
77.5°	1344.4	1494.5	1927.8	4241.6	4433.0	6935.0	5974.9	7925.7	6213.8	6448.1	3566.3
80°	55.1	61.2	79.6	2189.7	3039.5	3901.6	3197.2	4237.0	4103.7	2597.0	842.2
82.5°	6.1	6.1	13.8	630.9	1330.7	2152.9	1506.7	2440.8	2077.9	1101.0	382.8
85°	1.5	1.5	3.1	72.0	312.4	344.5	203.7	748.8	966.2	450.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	13.8	15.3	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°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	693.7	686.0	676.8	667.6	663.0	650.8	646.2	643.1	640.1	641.6	641.6
5°	670.7	653.8	633.9	614.0	603.3	591.1	584.9	581.9	583.4	589.5	589.5
7.5°	667.6	635.5	592.6	566.6	554.3	545.1	539.0	535.9	537.5	545.1	548.2
10°	718.2	661.5	584.9	540.5	526.7	517.6	511.4	506.8	503.8	509.9	511.4
12.5°	826.9	748.8	621.7	537.5	513.0	500.7	496.1	486.9	482.3	485.4	486.9
15°	1052.0	917.2	695.2	549.7	500.7	486.9	479.3	471.6	464.0	462.4	464.0
17.5°	1346.0	1153.0	807.0	578.8	491.5	474.7	464.0	453.2	442.5	441.0	439.5
20°	1710.4	1442.4	963.2	624.7	483.9	464.0	448.7	433.3	419.6	415.0	415.0
22.5°	2042.7	1791.6	1163.7	681.4	473.2	448.7	430.3	411.9	396.6	388.9	387.4
25°	2448.5	2162.1	1404.2	747.2	457.8	428.7	408.8	390.5	375.2	366.0	362.9
27.5°	2857.3	2552.6	1676.7	833.0	439.5	408.8	390.5	373.6	356.8	346.1	343.0
30°	3253.9	2973.7	1983.0	940.2	425.7	388.9	373.6	356.8	341.5	324.6	320.0
32.5°	3679.6	3404.0	2326.0	1059.6	415.0	375.2	358.3	343.0	323.1	307.8	300.1
35°	4090.0	3848.0	2704.2	1176.0	404.2	362.9	344.5	329.2	307.8	290.9	280.2
37.5°	4503.4	4299.7	3099.2	1246.4	388.9	346.1	329.2	317.0	292.5	272.6	260.3
40°	4941.3	4766.8	3526.5	1217.3	375.2	327.7	318.5	304.7	277.2	254.2	238.9
42.5°	5422.1	5212.4	3961.3	1105.6	362.9	312.4	303.2	289.4	263.4	235.8	215.9
45°	6027.0	5700.8	4318.1	937.1	369.0	297.1	278.7	275.6	251.1	215.9	191.4
47.5°	7066.7	6451.1	4595.3	828.4	410.4	280.2	258.8	266.4	240.4	196.0	168.4
50°	8657.7	7694.5	4854.0	820.7	473.2	272.6	240.4	260.3	229.7	176.1	148.5
52.5°	10173.6	8957.8	5019.4	888.1	528.3	292.5	222.0	252.7	222.0	162.3	134.7
55°	11623.7	9686.7	4723.9	937.1	580.3	352.2	208.2	240.4	212.8	154.7	130.2
57.5°	13187.1	10011.3	3719.4	1036.7	617.1	402.7	211.3	222.0	200.6	150.1	128.6
60°	13654.1	9596.3	2244.8	1166.8	597.2	418.0	234.3	197.5	183.7	140.9	124.0
62.5°	12928.3	8611.7	1324.5	1062.7	580.3	395.1	268.0	182.2	166.9	128.6	114.8
65°	11842.7	7274.9	863.6	897.3	615.6	352.2	284.8	174.6	151.6	116.4	101.1
67.5°	10602.3	5860.1	604.8	529.8	568.1	317.0	240.4	173.0	136.3	98.0	82.7
70°	8930.2	4388.5	425.7	350.7	473.2	281.7	186.8	168.4	119.4	79.6	64.3
72.5°	6899.8	2747.1	317.0	226.6	336.9	229.7	148.5	142.4	96.5	65.8	49.0
75°	5088.3	1566.5	223.6	163.8	222.0	174.6	110.2	101.1	82.7	62.8	44.4
77.5°	2656.7	784.0	139.3	125.6	127.1	108.7	79.6	73.5	76.6	62.8	41.3
80°	509.9	156.2	84.2	91.9	68.9	68.9	58.2	61.2	67.4	50.5	35.2
82.5°	212.8	33.7	45.9	52.1	42.9	47.5	47.5	49.0	47.5	36.7	26.0
85°	0.0	0.0	19.9	21.4	29.1	29.1	24.5	24.5	24.5	21.4	15.3
87.5°	0.0	0.0	0.0	0.0	1.5	4.6	9.2	10.7	12.2	9.2	6.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	640.1	637.0	641.6	644.7	647.7	647.7	644.7	641.6	637.0	641.6	637.0
5°	591.1	595.7	603.3	606.4	609.4	603.3	600.2	591.1	583.4	584.9	581.9
7.5°	552.8	557.4	566.6	572.7	572.7	569.6	560.4	551.2	539.0	539.0	537.5
10°	517.6	523.7	534.4	542.1	545.1	542.1	532.9	520.6	509.9	509.9	505.3
12.5°	488.5	496.1	508.4	519.1	522.2	519.1	509.9	497.7	485.4	485.4	482.3
15°	464.0	473.2	486.9	499.2	503.8	499.2	488.5	473.2	460.9	462.4	457.8
17.5°	441.0	448.7	467.0	480.8	485.4	480.8	467.0	447.1	434.9	437.9	434.9
20°	415.0	424.2	442.5	457.8	462.4	457.8	442.5	421.1	408.8	408.8	410.4
22.5°	387.4	396.6	415.0	425.7	431.8	427.2	411.9	392.0	379.7	379.7	381.3
25°	362.9	367.5	381.3	392.0	393.5	388.9	376.7	361.4	352.2	356.8	358.3
27.5°	339.9	339.9	346.1	352.2	350.7	346.1	341.5	329.2	327.7	332.3	336.9
30°	315.4	307.8	304.7	300.1	298.6	297.1	301.7	301.7	304.7	310.8	315.4
32.5°	294.0	278.7	264.9	251.1	243.5	249.6	261.8	272.6	283.3	292.5	297.1
35°	269.5	245.0	222.0	203.7	191.4	200.6	220.5	240.4	258.8	271.0	278.7
37.5°	245.0	209.8	182.2	159.2	150.1	157.7	179.2	206.7	234.3	249.6	260.3
40°	219.0	174.6	142.4	124.0	114.8	122.5	143.9	171.5	208.2	228.2	241.9
42.5°	192.9	143.9	114.8	96.5	91.9	96.5	113.3	140.9	180.7	205.2	223.6
45°	166.9	119.4	91.9	78.1	73.5	78.1	91.9	114.8	154.7	182.2	203.7
47.5°	143.9	101.1	76.6	64.3	61.2	65.8	76.6	96.5	130.2	157.7	182.2
50°	125.6	88.8	65.8	55.1	52.1	56.7	65.8	81.2	110.2	134.7	160.8
52.5°	113.3	82.7	58.2	47.5	45.9	49.0	56.7	68.9	93.4	114.8	139.3
55°	110.2	82.7	53.6	42.9	41.3	44.4	50.5	59.7	81.2	99.5	121.0
57.5°	113.3	88.8	50.5	36.7	35.2	38.3	44.4	52.1	70.4	85.7	105.7
60°	113.3	90.3	44.4	29.1	27.6	30.6	36.7	45.9	62.8	75.0	91.9
62.5°	102.6	82.7	36.7	23.0	19.9	23.0	30.6	38.3	55.1	67.4	81.2
65°	88.8	70.4	30.6	16.8	13.8	16.8	24.5	32.2	47.5	58.2	73.5
67.5°	72.0	53.6	23.0	12.2	9.2	12.2	18.4	26.0	39.8	50.5	65.8
70°	53.6	38.3	18.4	10.7	9.2	10.7	16.8	24.5	35.2	45.9	61.2
72.5°	39.8	26.0	15.3	10.7	7.7	10.7	15.3	23.0	33.7	44.4	58.2
75°	33.7	21.4	13.8	9.2	7.7	9.2	13.8	21.4	30.6	41.3	55.1
77.5°	32.2	19.9	12.2	7.7	6.1	7.7	12.2	18.4	27.6	38.3	53.6
80°	27.6	16.8	10.7	6.1	4.6	6.1	10.7	15.3	21.4	29.1	41.3
82.5°	21.4	13.8	7.7	3.1	1.5	3.1	7.7	9.2	13.8	16.8	24.5
85°	13.8	7.7	3.1	0.0	0.0	0.0	3.1	6.1	6.1	7.7	12.2
87.5°	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.6
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°	359°	360°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	646.2	647.7	650.8	655.4	666.1	675.3	684.5	696.7	702.8	702.8
5°	584.9	586.5	588.0	594.1	609.4	621.7	641.6	666.1	678.3	681.4
7.5°	537.5	540.5	543.6	548.2	563.5	580.3	606.4	652.3	675.3	679.9
10°	509.9	514.5	520.6	529.8	543.6	562.0	606.4	689.1	727.3	735.0
12.5°	488.5	496.1	502.2	513.0	529.8	558.9	647.7	793.2	860.6	878.9
15°	467.0	476.2	485.4	496.1	514.5	569.6	727.3	980.0	1091.8	1105.6
17.5°	445.6	456.3	468.6	480.8	503.8	595.7	852.9	1238.8	1395.0	1425.6
20°	421.1	434.9	451.7	467.0	493.1	637.0	1027.5	1546.6	1742.6	1808.4
22.5°	395.1	411.9	431.8	451.7	480.8	687.5	1238.8	1877.3	2151.4	2194.3
25°	373.6	390.5	408.8	428.7	460.9	748.8	1494.5	2287.7	2537.3	2578.6
27.5°	353.7	370.6	387.4	405.8	441.0	828.4	1802.3	2724.1	2984.4	3027.3
30°	332.3	352.2	369.0	387.4	422.6	926.4	2157.5	3208.0	3454.5	3494.3
32.5°	313.9	333.8	350.7	369.0	408.8	1033.6	2531.1	3636.7	3837.3	3837.3
35°	298.6	320.0	332.3	356.8	398.1	1102.5	2884.9	4045.6	4197.1	4191.0
37.5°	281.7	307.8	317.0	333.8	384.3	1110.2	3217.1	4477.4	4589.1	4549.3
40°	264.9	292.5	306.2	315.4	369.0	1047.4	3581.6	4874.0	4968.9	4916.8
42.5°	249.6	271.0	290.9	301.7	359.8	937.1	3874.1	5298.1	5411.4	5365.5
45°	234.3	252.7	264.9	284.8	366.0	860.6	4125.2	5792.7	5991.8	5958.1
47.5°	219.0	234.3	241.9	272.6	407.3	825.3	4278.3	6558.3	6933.5	6905.9
50°	202.1	220.5	220.5	269.5	468.6	837.6	4411.5	7666.9	8247.3	8238.1
52.5°	185.3	205.2	202.1	292.5	516.0	894.2	4563.1	8645.4	9654.5	9738.7
55°	168.4	186.8	189.9	338.4	543.6	943.2	3976.6	9057.3	10856.5	11152.1
57.5°	150.1	160.8	197.5	373.6	534.4	1085.7	2724.1	9132.3	11623.7	12257.6
60°	130.2	139.3	223.6	366.0	505.3	1003.0	1715.0	8458.6	11515.0	12318.9
62.5°	113.3	128.6	235.8	323.1	514.5	869.7	1093.3	7209.1	10478.3	11395.5
65°	99.5	124.0	214.4	292.5	520.6	589.5	738.1	5864.7	9466.2	10339.0
67.5°	88.8	137.8	176.1	260.3	447.1	415.0	506.8	4557.0	7959.4	8741.9
70°	81.2	140.9	143.9	223.6	346.1	266.4	333.8	3067.1	5486.5	6380.7
72.5°	73.5	104.1	108.7	179.2	223.6	162.3	215.9	1754.8	3999.6	4609.0
75°	70.4	70.4	75.0	116.4	124.0	117.9	139.3	1047.4	2868.0	3313.6
77.5°	65.8	53.6	47.5	75.0	67.4	84.2	82.7	465.5	1243.4	1344.4
80°	52.1	38.3	32.2	47.5	45.9	56.7	49.0	38.3	56.7	55.1
82.5°	32.2	24.5	23.0	29.1	26.0	29.1	23.0	6.1	6.1	6.1
85°	15.3	13.8	12.2	12.2	13.8	12.2	9.2	3.1	1.5	1.5
87.5°	7.7	7.7	6.1	4.6	6.1	6.1	4.6	1.5	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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