

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: P630345

Luminaire Tested: GWS-SA1D-740-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630345  
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-SA1D-740-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

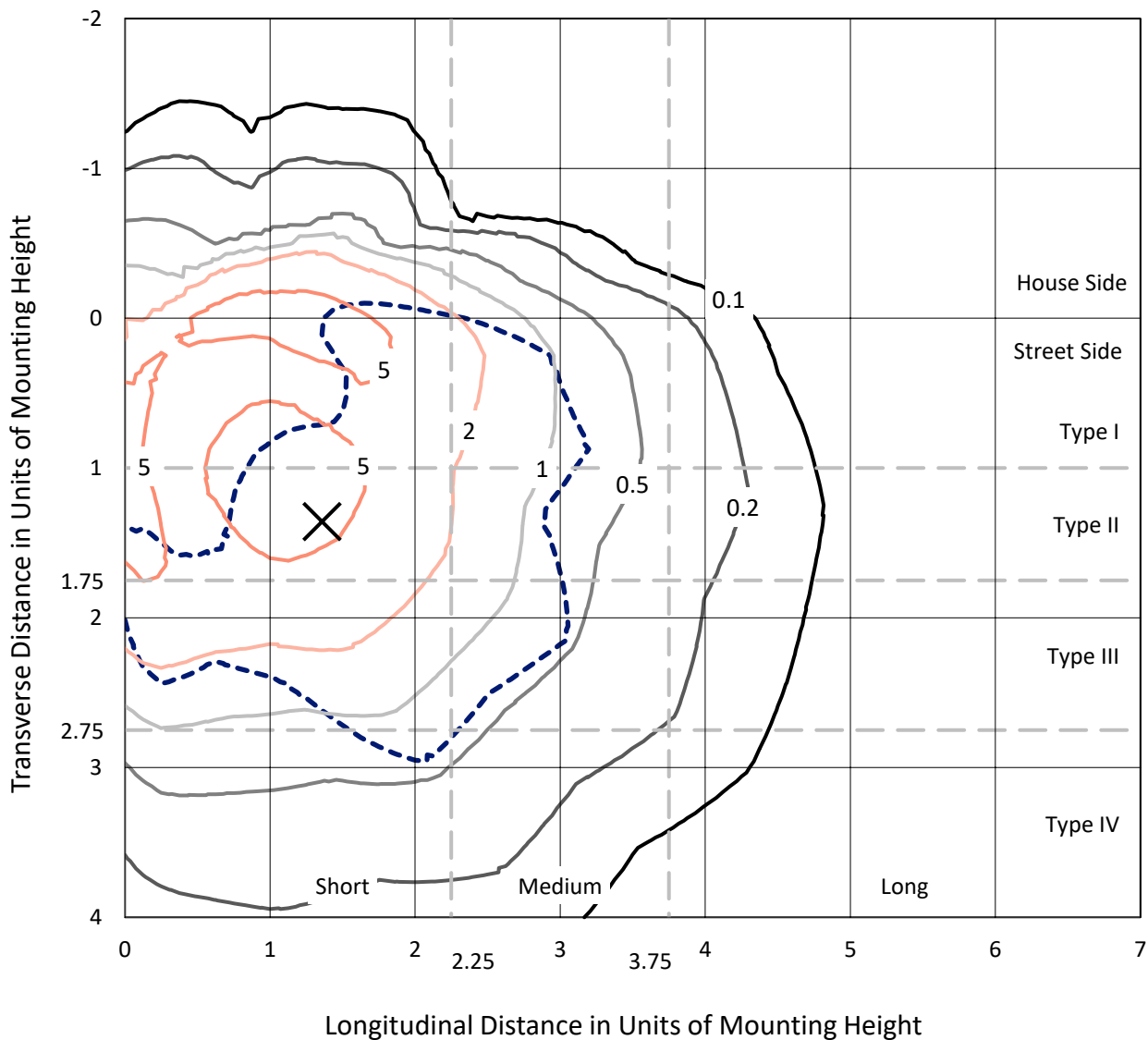
Lumens per Lamp: N/A  
Luminaire Lumens: 3763.1 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

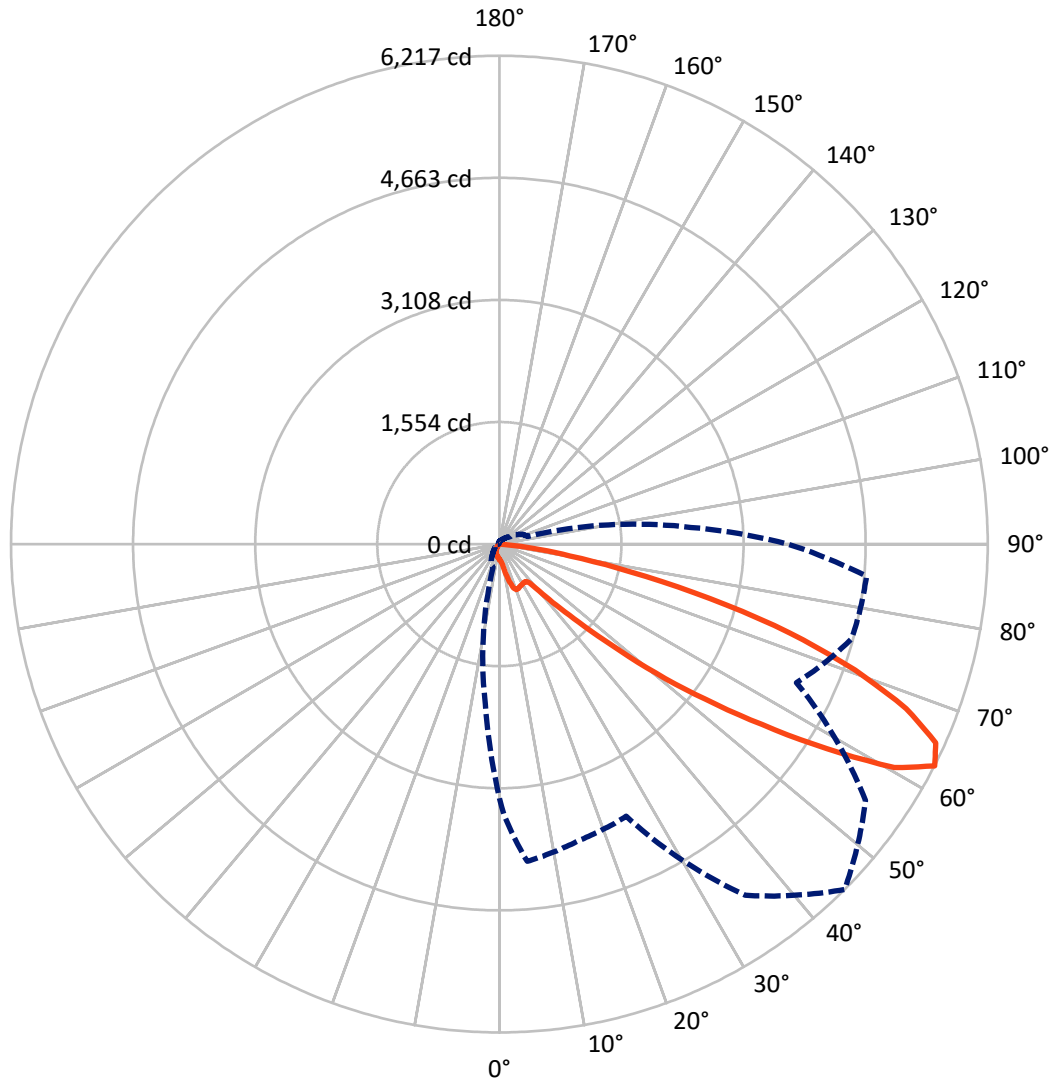
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	464.4	0.0	464.4
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	3298.7	0.0	3298.7
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	3763.1	0.0	3763.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.4	0.5
10°-20°	65.6	1.7
20°-30°	142.6	3.8
30°-40°	234.1	6.2
40°-50°	430.3	11.4
50°-60°	924.2	24.6
60°-70°	1241.3	33.0
70°-80°	646.4	17.2
80°-90°	61.3	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°	3763.1	100.0
0°-180°	3763.1	100.0

**Coefficient of Utilization**

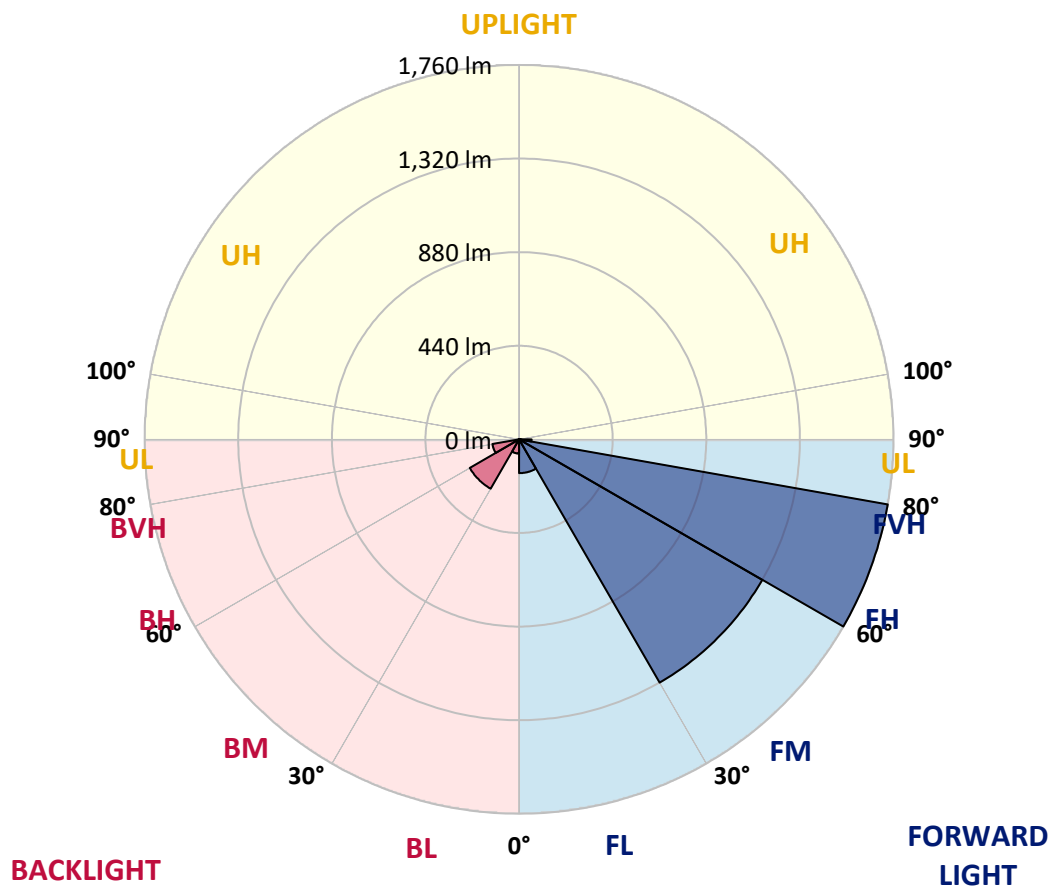


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.0	4.2			
FM (30°-60°)	1320.8	35.1			
FH (60°-80°)	1760.4	46.8			G1/1800
FVH (80°-90°)	58.6	1.6			G1/100
BL (0°-30°)	66.6	1.8	B0/110		
BM (30°-60°)	267.8	7.1	B1/1000		
BH (60°-80°)	127.2	3.4	B1/500		G1/500
BVH (80°-90°)	2.7	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-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6
2.5°	199.5	200.4	201.3	204.3	206.5	208.2	208.6	207.3	204.3	201.3	196.9
5°	193.4	194.3	197.3	205.6	213.9	220.4	222.6	221.2	213.9	204.3	194.3
7.5°	193.0	194.7	202.1	219.5	237.3	250.8	254.3	251.2	237.3	218.2	197.8
10°	208.6	211.7	222.6	253.8	286.4	310.4	319.9	306.9	284.7	249.9	216.5
12.5°	249.5	254.7	275.6	321.2	371.6	403.4	416.4	400.3	365.6	315.1	262.1
15°	313.8	321.7	353.0	421.2	480.7	509.0	513.3	504.2	463.8	408.2	336.9
17.5°	404.7	416.0	464.7	534.2	577.2	587.2	585.9	576.4	546.8	508.6	441.2
20°	513.3	526.8	574.6	632.0	636.4	624.6	618.1	612.5	602.5	595.9	543.3
22.5°	622.9	639.4	689.4	703.7	664.6	630.7	614.6	619.0	633.8	665.9	644.6
25°	732.0	747.6	794.6	755.9	677.7	621.1	600.7	611.1	646.4	715.9	743.3
27.5°	859.3	871.1	898.9	791.5	679.8	613.3	593.3	609.4	652.4	747.2	851.5
30°	991.9	998.9	985.4	801.1	672.4	601.6	585.9	609.4	662.9	768.1	932.8
32.5°	1089.3	1090.6	1046.7	802.0	668.5	592.0	579.0	606.8	672.9	785.5	1011.5
35°	1189.7	1183.2	1105.4	815.0	679.0	595.5	584.2	614.2	688.5	805.9	1080.6
37.5°	1291.4	1279.7	1171.0	836.3	705.9	633.3	626.4	652.0	713.7	834.1	1156.7
40°	1395.7	1379.6	1239.3	868.5	765.9	762.0	785.9	782.8	782.8	870.2	1234.9
42.5°	1523.1	1504.4	1340.1	959.3	905.9	993.2	1058.4	1018.0	943.2	953.2	1336.6
45°	1691.3	1675.2	1514.8	1133.2	1125.4	1326.2	1414.0	1334.0	1148.0	1144.9	1506.6
47.5°	1960.4	1957.3	1793.5	1334.9	1394.0	1750.0	1919.5	1765.6	1381.4	1347.9	1828.2
50°	2338.5	2329.4	2140.8	1571.3	1713.5	2275.1	2577.6	2321.1	1663.5	1584.8	2259.0
52.5°	2764.5	2774.1	2627.2	1829.5	2053.0	2859.3	3280.5	2957.5	1969.9	1886.0	2801.0
55°	3165.7	3220.5	3181.8	2131.6	2384.6	3504.3	4052.4	3655.6	2349.4	2280.3	3408.7
57.5°	3479.5	3633.9	3905.1	2570.7	2774.5	4258.9	4914.4	4412.4	2792.3	2920.6	4235.9
60°	3496.9	3701.2	4331.1	3489.1	3276.1	4906.1	5775.1	5151.7	3488.7	4007.7	4884.0
62.5°	3234.8	3453.9	4053.8	3906.4	3822.5	5456.9	6216.7	5690.7	4173.7	4644.5	4691.9
65°	2934.9	3156.2	3744.3	3433.0	3759.0	5433.4	6104.5	5703.3	4235.9	4211.5	4348.0
67.5°	2481.5	2680.2	3212.7	3038.8	3464.8	5171.3	5586.4	5343.9	3902.5	3939.0	3999.9
70°	1811.3	2002.5	2496.8	2505.4	3025.8	4698.8	4800.1	4766.6	3593.9	3632.6	3458.7
72.5°	1308.4	1469.6	1896.0	2054.7	2415.5	3940.3	3870.3	3999.4	3083.6	3235.3	2778.0
75°	940.6	1061.5	1391.0	1787.4	1914.7	2926.2	2770.6	3097.5	2474.2	2785.8	2088.6
77.5°	381.6	424.2	547.3	1204.0	1258.4	1968.6	1696.1	2249.9	1763.9	1830.4	1012.4
80°	15.6	17.4	22.6	621.6	862.8	1107.5	907.6	1202.7	1164.9	737.2	239.1
82.5°	1.7	1.7	3.9	179.1	377.7	611.1	427.7	692.9	589.9	312.5	108.7
85°	0.4	0.4	0.9	20.4	88.7	97.8	57.8	212.6	274.3	127.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.9	4.3	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°	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6
2.5°	196.9	194.7	192.1	189.5	188.2	184.7	183.4	182.6	181.7	182.1	182.1
5°	190.4	185.6	180.0	174.3	171.3	167.8	166.0	165.2	165.6	167.3	167.3
7.5°	189.5	180.4	168.2	160.8	157.4	154.7	153.0	152.1	152.6	154.7	155.6
10°	203.9	187.8	166.0	153.4	149.5	146.9	145.2	143.9	143.0	144.7	145.2
12.5°	234.7	212.6	176.5	152.6	145.6	142.1	140.8	138.2	136.9	137.8	138.2
15°	298.6	260.4	197.3	156.0	142.1	138.2	136.1	133.9	131.7	131.3	131.7
17.5°	382.1	327.3	229.1	164.3	139.5	134.7	131.7	128.7	125.6	125.2	124.8
20°	485.5	409.5	273.4	177.3	137.4	131.7	127.4	123.0	119.1	117.8	117.8
22.5°	579.9	508.6	330.4	193.4	134.3	127.4	122.1	116.9	112.6	110.4	110.0
25°	695.0	613.8	398.6	212.1	130.0	121.7	116.1	110.8	106.5	103.9	103.0
27.5°	811.1	724.6	476.0	236.5	124.8	116.1	110.8	106.1	101.3	98.2	97.4
30°	923.7	844.1	562.9	266.9	120.8	110.4	106.1	101.3	96.9	92.2	90.8
32.5°	1044.5	966.3	660.3	300.8	117.8	106.5	101.7	97.4	91.7	87.4	85.2
35°	1161.0	1092.3	767.6	333.8	114.8	103.0	97.8	93.5	87.4	82.6	79.5
37.5°	1278.4	1220.6	879.8	353.8	110.4	98.2	93.5	90.0	83.0	77.4	73.9
40°	1402.7	1353.1	1001.0	345.6	106.5	93.0	90.4	86.5	78.7	72.2	67.8
42.5°	1539.2	1479.6	1124.5	313.8	103.0	88.7	86.1	82.2	74.8	66.9	61.3
45°	1710.9	1618.3	1225.8	266.0	104.8	84.3	79.1	78.2	71.3	61.3	54.3
47.5°	2006.0	1831.3	1304.5	235.2	116.5	79.5	73.5	75.6	68.2	55.6	47.8
50°	2457.6	2184.2	1377.9	233.0	134.3	77.4	68.2	73.9	65.2	50.0	42.2
52.5°	2888.0	2542.8	1424.9	252.1	150.0	83.0	63.0	71.7	63.0	46.1	38.3
55°	3299.6	2749.7	1341.0	266.0	164.7	100.0	59.1	68.2	60.4	43.9	36.9
57.5°	3743.4	2841.9	1055.8	294.3	175.2	114.3	60.0	63.0	56.9	42.6	36.5
60°	3876.0	2724.1	637.2	331.2	169.5	118.7	66.5	56.1	52.2	40.0	35.2
62.5°	3669.9	2444.6	376.0	301.7	164.7	112.1	76.1	51.7	47.4	36.5	32.6
65°	3361.8	2065.1	245.2	254.7	174.7	100.0	80.8	49.6	43.0	33.0	28.7
67.5°	3009.7	1663.5	171.7	150.4	161.3	90.0	68.2	49.1	38.7	27.8	23.5
70°	2535.0	1245.8	120.8	99.5	134.3	80.0	53.0	47.8	33.9	22.6	18.3
72.5°	1958.6	779.8	90.0	64.3	95.6	65.2	42.2	40.4	27.4	18.7	13.9
75°	1444.4	444.7	63.5	46.5	63.0	49.6	31.3	28.7	23.5	17.8	12.6
77.5°	754.2	222.6	39.6	35.6	36.1	30.9	22.6	20.9	21.7	17.8	11.7
80°	144.7	44.3	23.9	26.1	19.6	19.6	16.5	17.4	19.1	14.3	10.0
82.5°	60.4	9.6	13.0	14.8	12.2	13.5	13.5	13.9	13.5	10.4	7.4
85°	0.0	0.0	5.7	6.1	8.3	8.3	7.0	7.0	7.0	6.1	4.3
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	2.6	3.0	3.5	2.6	1.7
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6
2.5°	181.7	180.8	182.1	183.0	183.9	183.9	183.0	182.1	180.8	182.1	180.8
5°	167.8	169.1	171.3	172.1	173.0	171.3	170.4	167.8	165.6	166.0	165.2
7.5°	156.9	158.2	160.8	162.6	162.6	161.7	159.1	156.5	153.0	153.0	152.6
10°	146.9	148.7	151.7	153.9	154.7	153.9	151.3	147.8	144.7	144.7	143.4
12.5°	138.7	140.8	144.3	147.4	148.2	147.4	144.7	141.3	137.8	137.8	136.9
15°	131.7	134.3	138.2	141.7	143.0	141.7	138.7	134.3	130.8	131.3	130.0
17.5°	125.2	127.4	132.6	136.5	137.8	136.5	132.6	126.9	123.4	124.3	123.4
20°	117.8	120.4	125.6	130.0	131.3	130.0	125.6	119.5	116.1	116.1	116.5
22.5°	110.0	112.6	117.8	120.8	122.6	121.3	116.9	111.3	107.8	107.8	108.2
25°	103.0	104.3	108.2	111.3	111.7	110.4	106.9	102.6	100.0	101.3	101.7
27.5°	96.5	96.5	98.2	100.0	99.5	98.2	96.9	93.5	93.0	94.3	95.6
30°	89.5	87.4	86.5	85.2	84.8	84.3	85.6	85.6	86.5	88.2	89.5
32.5°	83.5	79.1	75.2	71.3	69.1	70.9	74.3	77.4	80.4	83.0	84.3
35°	76.5	69.5	63.0	57.8	54.3	56.9	62.6	68.2	73.5	76.9	79.1
37.5°	69.5	59.6	51.7	45.2	42.6	44.8	50.9	58.7	66.5	70.9	73.9
40°	62.2	49.6	40.4	35.2	32.6	34.8	40.9	48.7	59.1	64.8	68.7
42.5°	54.8	40.9	32.6	27.4	26.1	27.4	32.2	40.0	51.3	58.2	63.5
45°	47.4	33.9	26.1	22.2	20.9	22.2	26.1	32.6	43.9	51.7	57.8
47.5°	40.9	28.7	21.7	18.3	17.4	18.7	21.7	27.4	36.9	44.8	51.7
50°	35.6	25.2	18.7	15.6	14.8	16.1	18.7	23.0	31.3	38.3	45.6
52.5°	32.2	23.5	16.5	13.5	13.0	13.9	16.1	19.6	26.5	32.6	39.6
55°	31.3	23.5	15.2	12.2	11.7	12.6	14.3	17.0	23.0	28.3	34.3
57.5°	32.2	25.2	14.3	10.4	10.0	10.9	12.6	14.8	20.0	24.3	30.0
60°	32.2	25.6	12.6	8.3	7.8	8.7	10.4	13.0	17.8	21.3	26.1
62.5°	29.1	23.5	10.4	6.5	5.7	6.5	8.7	10.9	15.6	19.1	23.0
65°	25.2	20.0	8.7	4.8	3.9	4.8	7.0	9.1	13.5	16.5	20.9
67.5°	20.4	15.2	6.5	3.5	2.6	3.5	5.2	7.4	11.3	14.3	18.7
70°	15.2	10.9	5.2	3.0	2.6	3.0	4.8	7.0	10.0	13.0	17.4
72.5°	11.3	7.4	4.3	3.0	2.2	3.0	4.3	6.5	9.6	12.6	16.5
75°	9.6	6.1	3.9	2.6	2.2	2.6	3.9	6.1	8.7	11.7	15.6
77.5°	9.1	5.7	3.5	2.2	1.7	2.2	3.5	5.2	7.8	10.9	15.2
80°	7.8	4.8	3.0	1.7	1.3	1.7	3.0	4.3	6.1	8.3	11.7
82.5°	6.1	3.9	2.2	0.9	0.4	0.9	2.2	2.6	3.9	4.8	7.0
85°	3.9	2.2	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.2	3.5
87.5°	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3
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°	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6
2.5°	183.4	183.9	184.7	186.0	189.1	191.7	194.3	197.8	199.5	199.5
5°	166.0	166.5	166.9	168.7	173.0	176.5	182.1	189.1	192.6	193.4
7.5°	152.6	153.4	154.3	155.6	160.0	164.7	172.1	185.2	191.7	193.0
10°	144.7	146.0	147.8	150.4	154.3	159.5	172.1	195.6	206.5	208.6
12.5°	138.7	140.8	142.6	145.6	150.4	158.7	183.9	225.2	244.3	249.5
15°	132.6	135.2	137.8	140.8	146.0	161.7	206.5	278.2	309.9	313.8
17.5°	126.5	129.5	133.0	136.5	143.0	169.1	242.1	351.6	396.0	404.7
20°	119.5	123.4	128.2	132.6	140.0	180.8	291.7	439.0	494.7	513.3
22.5°	112.1	116.9	122.6	128.2	136.5	195.2	351.6	532.9	610.7	622.9
25°	106.1	110.8	116.1	121.7	130.8	212.6	424.2	649.4	720.3	732.0
27.5°	100.4	105.2	110.0	115.2	125.2	235.2	511.6	773.3	847.2	859.3
30°	94.3	100.0	104.8	110.0	120.0	263.0	612.5	910.6	980.6	991.9
32.5°	89.1	94.8	99.5	104.8	116.1	293.4	718.5	1032.3	1089.3	1089.3
35°	84.8	90.8	94.3	101.3	113.0	313.0	818.9	1148.4	1191.4	1189.7
37.5°	80.0	87.4	90.0	94.8	109.1	315.1	913.2	1271.0	1302.7	1291.4
40°	75.2	83.0	86.9	89.5	104.8	297.3	1016.7	1383.6	1410.5	1395.7
42.5°	70.9	76.9	82.6	85.6	102.1	266.0	1099.7	1504.0	1536.1	1523.1
45°	66.5	71.7	75.2	80.8	103.9	244.3	1171.0	1644.4	1700.9	1691.3
47.5°	62.2	66.5	68.7	77.4	115.6	234.3	1214.5	1861.7	1968.2	1960.4
50°	57.4	62.6	62.6	76.5	133.0	237.8	1252.3	2176.4	2341.1	2338.5
52.5°	52.6	58.2	57.4	83.0	146.5	253.8	1295.3	2454.2	2740.6	2764.5
55°	47.8	53.0	53.9	96.1	154.3	267.8	1128.8	2571.1	3081.8	3165.7
57.5°	42.6	45.6	56.1	106.1	151.7	308.2	773.3	2592.4	3299.6	3479.5
60°	36.9	39.6	63.5	103.9	143.4	284.7	486.8	2401.1	3268.7	3496.9
62.5°	32.2	36.5	66.9	91.7	146.0	246.9	310.4	2046.4	2974.5	3234.8
65°	28.3	35.2	60.9	83.0	147.8	167.3	209.5	1664.8	2687.1	2934.9
67.5°	25.2	39.1	50.0	73.9	126.9	117.8	143.9	1293.6	2259.4	2481.5
70°	23.0	40.0	40.9	63.5	98.2	75.6	94.8	870.6	1557.4	1811.3
72.5°	20.9	29.6	30.9	50.9	63.5	46.1	61.3	498.1	1135.4	1308.4
75°	20.0	20.0	21.3	33.0	35.2	33.5	39.6	297.3	814.1	940.6
77.5°	18.7	15.2	13.5	21.3	19.1	23.9	23.5	132.1	353.0	381.6
80°	14.8	10.9	9.1	13.5	13.0	16.1	13.9	10.9	16.1	15.6
82.5°	9.1	7.0	6.5	8.3	7.4	8.3	6.5	1.7	1.7	1.7
85°	4.3	3.9	3.5	3.5	3.9	3.5	2.6	0.9	0.4	0.4
87.5°	2.2	2.2	1.7	1.3	1.7	1.7	1.3	0.4	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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