

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: P629905

Luminaire Tested: GWS-SA1C-750-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629905  
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-SA1C-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

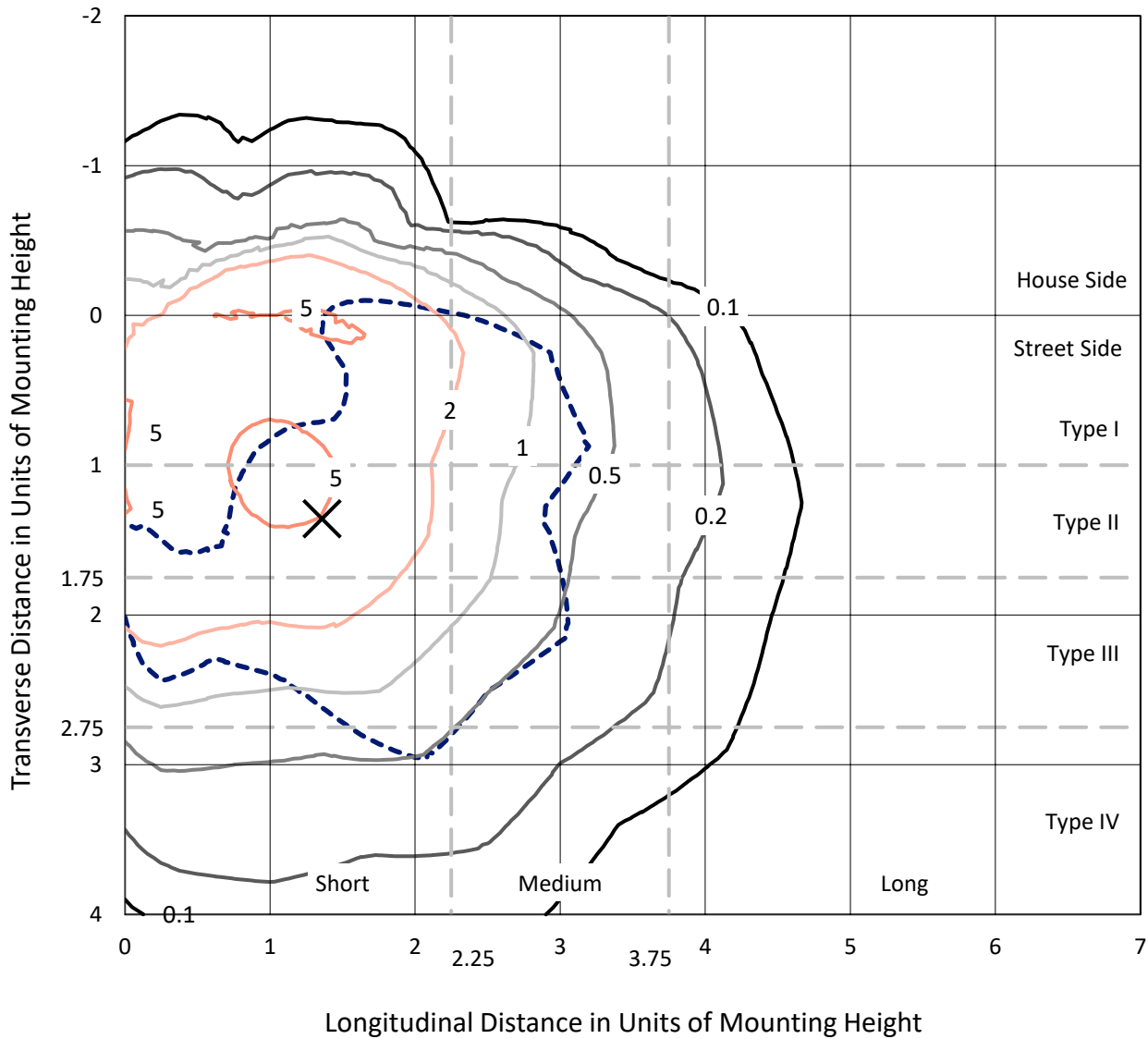
Lumens per Lamp: N/A  
Luminaire Lumens: 3051.3 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

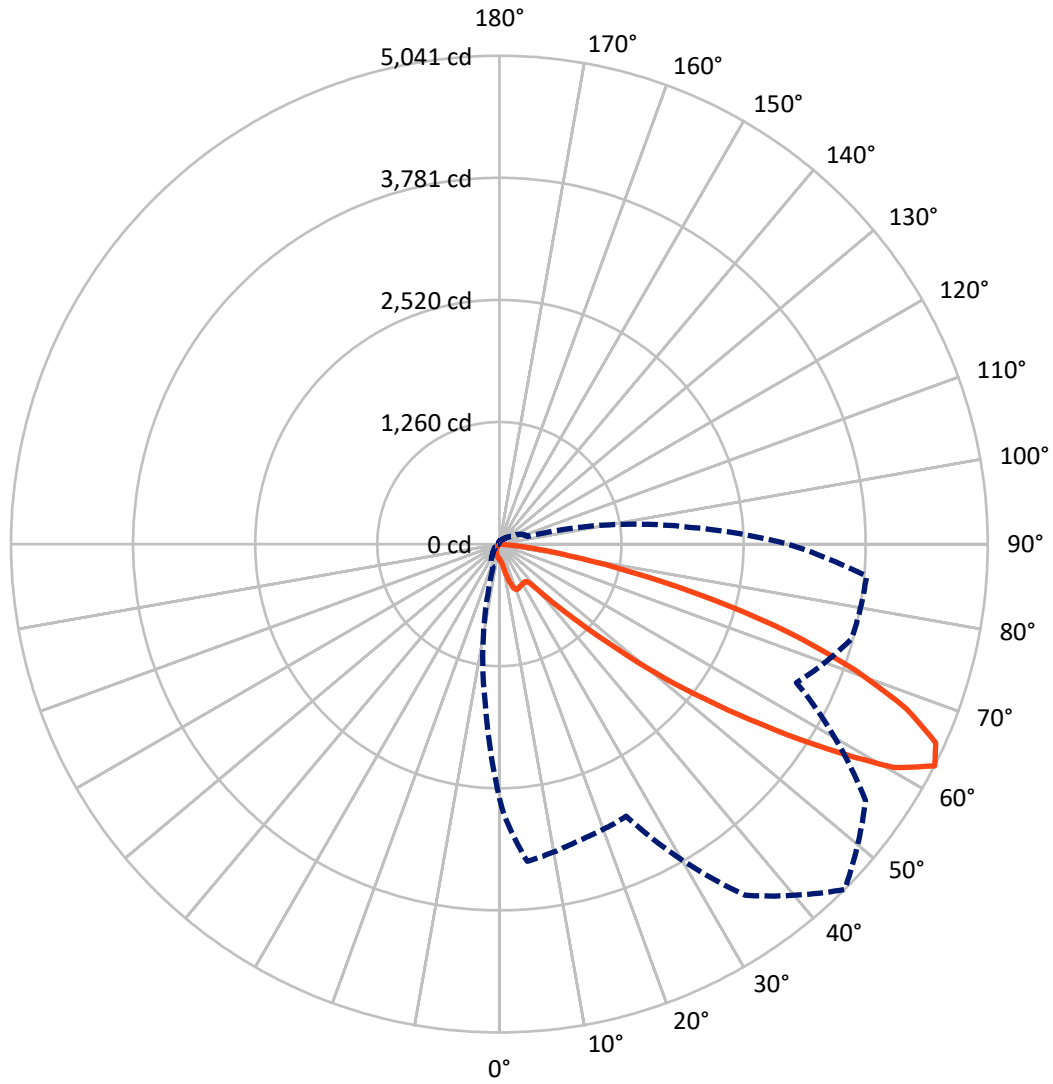
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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	376.5	0.0	376.5
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	2674.8	0.0	2674.8
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	3051.3	0.0	3051.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	0.5
10°-20°	53.2	1.7
20°-30°	115.6	3.8
30°-40°	189.8	6.2
40°-50°	348.9	11.4
50°-60°	749.3	24.6
60°-70°	1006.5	33.0
70°-80°	524.1	17.2
80°-90°	49.7	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°	3051.3	100.0
0°-180°	3051.3	100.0

**Coefficient of Utilization**

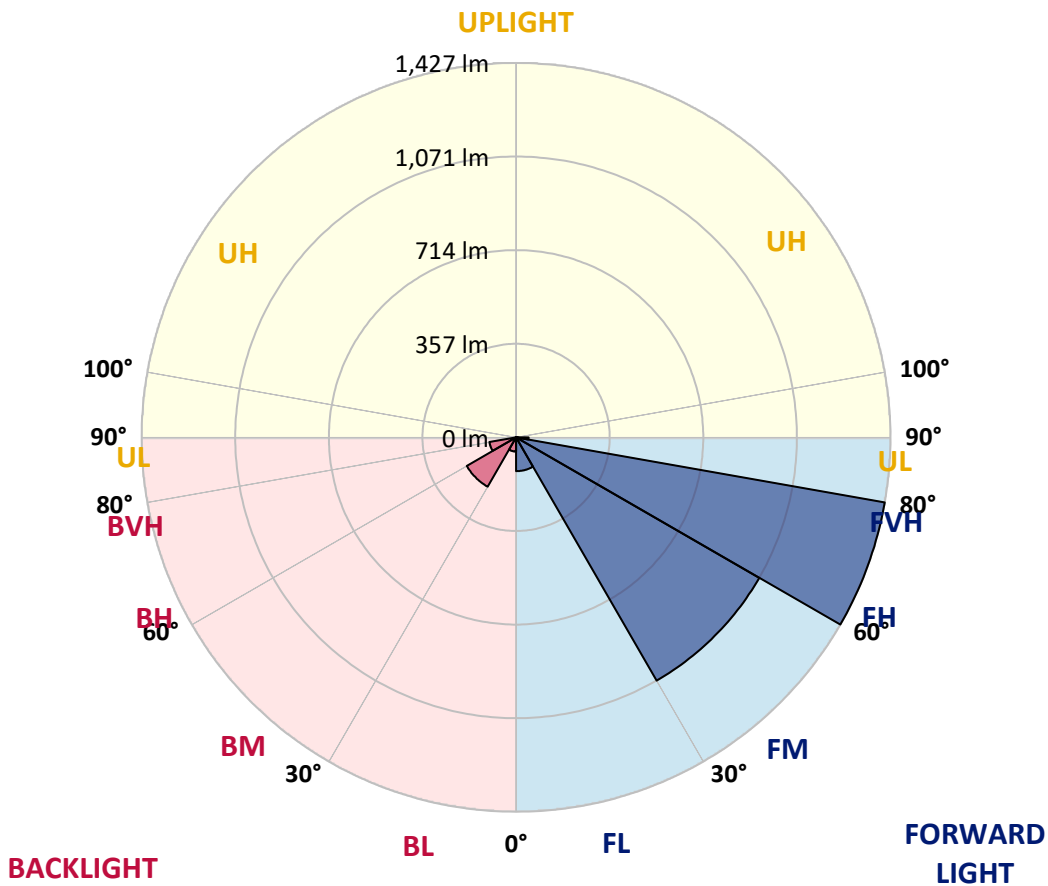


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.9	4.2			
FM (30°-60°)	1071.0	35.1			
FH (60°-80°)	1427.4	46.8			G1/1800
FVH (80°-90°)	47.5	1.6			G1/100
BL (0°-30°)	54.0	1.8	B0/110		
BM (30°-60°)	217.1	7.1	B0/220		
BH (60°-80°)	103.2	3.4	B0/110		G0/110
BVH (80°-90°)	2.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6
2.5°	161.8	162.5	163.2	165.7	167.4	168.8	169.2	168.1	165.7	163.2	159.7
5°	156.8	157.5	160.0	166.7	173.4	178.7	180.5	179.4	173.4	165.7	157.5
7.5°	156.5	157.9	163.9	178.0	192.4	203.4	206.2	203.7	192.4	176.9	160.4
10°	169.2	171.6	180.5	205.8	232.3	251.7	259.4	248.8	230.9	202.7	175.5
12.5°	202.3	206.5	223.5	260.5	301.3	327.1	337.6	324.6	296.4	255.5	212.5
15°	254.5	260.8	286.2	341.5	389.8	412.7	416.2	408.8	376.1	331.0	273.2
17.5°	328.1	337.3	376.8	433.2	468.1	476.2	475.1	467.4	443.4	412.4	357.7
20°	416.2	427.2	465.9	512.5	516.0	506.5	501.2	496.6	488.5	483.2	440.6
22.5°	505.1	518.5	559.0	570.6	538.9	511.4	498.4	501.9	513.9	540.0	522.7
25°	593.5	606.2	644.3	612.9	549.5	503.7	487.1	495.5	524.1	580.5	602.7
27.5°	696.8	706.3	728.9	641.8	551.2	497.3	481.1	494.1	529.0	605.9	690.5
30°	804.3	809.9	799.0	649.6	545.2	487.8	475.1	494.1	537.5	622.8	756.4
32.5°	883.2	884.3	848.7	650.3	542.1	480.0	469.5	492.0	545.6	636.9	820.2
35°	964.7	959.4	896.3	660.8	550.5	482.9	473.7	498.0	558.3	653.4	876.2
37.5°	1047.1	1037.6	949.5	678.1	572.4	513.5	507.9	528.7	578.7	676.4	937.9
40°	1131.7	1118.7	1004.8	704.2	621.0	617.8	637.2	634.8	634.8	705.6	1001.3
42.5°	1235.0	1219.8	1086.6	777.9	734.5	805.4	858.2	825.4	764.8	772.9	1083.8
45°	1371.4	1358.4	1228.3	918.8	912.5	1075.3	1146.5	1081.7	930.8	928.4	1221.6
47.5°	1589.6	1587.1	1454.2	1082.4	1130.3	1419.0	1556.4	1431.7	1120.1	1093.0	1482.4
50°	1896.2	1888.8	1735.8	1274.1	1389.4	1844.7	2090.0	1882.1	1348.8	1285.0	1831.7
52.5°	2241.6	2249.4	2130.2	1483.5	1664.6	2318.4	2660.0	2398.1	1597.3	1529.3	2271.2
55°	2566.9	2611.3	2580.0	1728.4	1933.6	2841.5	3285.9	2964.1	1905.0	1849.0	2763.9
57.5°	2821.4	2946.5	3166.4	2084.4	2249.7	3453.3	3984.8	3577.7	2264.2	2368.1	3434.7
60°	2835.5	3001.1	3511.8	2829.1	2656.4	3978.1	4682.7	4177.3	2828.8	3249.6	3960.2
62.5°	2623.0	2800.6	3287.0	3167.5	3099.5	4424.7	5040.8	4614.3	3384.3	3766.0	3804.4
65°	2379.8	2559.2	3036.0	2783.7	3048.0	4405.7	4949.8	4624.5	3434.7	3414.9	3525.6
67.5°	2012.2	2173.2	2605.0	2464.0	2809.4	4193.1	4529.7	4333.1	3164.3	3193.9	3243.3
70°	1468.7	1623.7	2024.5	2031.5	2453.4	3810.0	3892.1	3865.0	2914.1	2945.4	2804.5
72.5°	1060.9	1191.6	1537.4	1666.0	1958.6	3195.0	3138.2	3242.9	2500.3	2623.3	2252.5
75°	762.7	860.7	1127.8	1449.3	1552.6	2372.7	2246.5	2511.6	2006.2	2258.9	1693.5
77.5°	309.5	344.0	443.7	976.3	1020.4	1596.3	1375.3	1824.3	1430.3	1484.2	820.9
80°	12.7	14.1	18.3	504.0	699.6	898.0	735.9	975.2	944.6	597.8	193.8
82.5°	1.4	1.4	3.2	145.2	306.3	495.5	346.8	561.8	478.3	253.4	88.1
85°	0.4	0.4	0.7	16.6	71.9	79.3	46.9	172.3	222.4	103.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.2	3.5	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°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6
2.5°	159.7	157.9	155.8	153.7	152.6	149.8	148.7	148.0	147.3	147.7	147.7
5°	154.4	150.5	145.9	141.3	138.9	136.0	134.6	133.9	134.3	135.7	135.7
7.5°	153.7	146.3	136.4	130.4	127.6	125.5	124.1	123.4	123.7	125.5	126.2
10°	165.3	152.3	134.6	124.4	121.2	119.1	117.7	116.7	116.0	117.4	117.7
12.5°	190.3	172.3	143.1	123.7	118.1	115.3	114.2	112.1	111.0	111.7	112.1
15°	242.1	211.1	160.0	126.5	115.3	112.1	110.3	108.6	106.8	106.4	106.8
17.5°	309.8	265.4	185.7	133.2	113.1	109.3	106.8	104.3	101.9	101.5	101.2
20°	393.7	332.0	221.7	143.8	111.4	106.8	103.3	99.7	96.6	95.5	95.5
22.5°	470.2	412.4	267.9	156.8	108.9	103.3	99.0	94.8	91.3	89.5	89.2
25°	563.6	497.7	323.2	172.0	105.4	98.7	94.1	89.9	86.4	84.2	83.5
27.5°	657.7	587.5	385.9	191.7	101.2	94.1	89.9	86.0	82.1	79.7	78.9
30°	749.0	684.5	456.4	216.4	98.0	89.5	86.0	82.1	78.6	74.7	73.7
32.5°	846.9	783.5	535.4	243.9	95.5	86.4	82.5	78.9	74.4	70.8	69.1
35°	941.4	885.7	622.4	270.7	93.0	83.5	79.3	75.8	70.8	67.0	64.5
37.5°	1036.6	989.7	713.4	286.9	89.5	79.7	75.8	73.0	67.3	62.7	59.9
40°	1137.4	1097.2	811.7	280.2	86.4	75.4	73.3	70.1	63.8	58.5	55.0
42.5°	1248.0	1199.7	911.8	254.5	83.5	71.9	69.8	66.6	60.6	54.3	49.7
45°	1387.3	1312.2	993.9	215.7	84.9	68.4	64.1	63.4	57.8	49.7	44.1
47.5°	1626.6	1484.9	1057.7	190.7	94.5	64.5	59.6	61.3	55.3	45.1	38.8
50°	1992.8	1771.1	1117.3	188.9	108.9	62.7	55.3	59.9	52.9	40.5	34.2
52.5°	2341.7	2061.8	1155.3	204.4	121.6	67.3	51.1	58.2	51.1	37.4	31.0
55°	2675.5	2229.6	1087.3	215.7	133.6	81.1	47.9	55.3	49.0	35.6	30.0
57.5°	3035.3	2304.3	856.1	238.6	142.0	92.7	48.6	51.1	46.2	34.5	29.6
60°	3142.8	2208.8	516.7	268.6	137.5	96.2	53.9	45.5	42.3	32.4	28.5
62.5°	2975.8	1982.2	304.9	244.6	133.6	90.9	61.7	41.9	38.4	29.6	26.4
65°	2725.9	1674.5	198.8	206.5	141.7	81.1	65.6	40.2	34.9	26.8	23.3
67.5°	2440.4	1348.8	139.2	121.9	130.8	73.0	55.3	39.8	31.4	22.6	19.0
70°	2055.5	1010.1	98.0	80.7	108.9	64.9	43.0	38.8	27.5	18.3	14.8
72.5°	1588.2	632.3	73.0	52.2	77.5	52.9	34.2	32.8	22.2	15.2	11.3
75°	1171.2	360.6	51.5	37.7	51.1	40.2	25.4	23.3	19.0	14.5	10.2
77.5°	611.5	180.5	32.1	28.9	29.3	25.0	18.3	16.9	17.6	14.5	9.5
80°	117.4	36.0	19.4	21.1	15.9	15.9	13.4	14.1	15.5	11.6	8.1
82.5°	49.0	7.8	10.6	12.0	9.9	10.9	10.9	11.3	10.9	8.5	6.0
85°	0.0	0.0	4.6	4.9	6.7	6.7	5.6	5.6	5.6	4.9	3.5
87.5°	0.0	0.0	0.0	0.0	0.4	1.1	2.1	2.5	2.8	2.1	1.4
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°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6
2.5°	147.3	146.6	147.7	148.4	149.1	149.1	148.4	147.7	146.6	147.7	146.6
5°	136.0	137.1	138.9	139.6	140.3	138.9	138.2	136.0	134.3	134.6	133.9
7.5°	127.2	128.3	130.4	131.8	131.8	131.1	129.0	126.9	124.1	124.1	123.7
10°	119.1	120.5	123.0	124.8	125.5	124.8	122.7	119.8	117.4	117.4	116.3
12.5°	112.4	114.2	117.0	119.5	120.2	119.5	117.4	114.5	111.7	111.7	111.0
15°	106.8	108.9	112.1	114.9	116.0	114.9	112.4	108.9	106.1	106.4	105.4
17.5°	101.5	103.3	107.5	110.7	111.7	110.7	107.5	102.9	100.1	100.8	100.1
20°	95.5	97.6	101.9	105.4	106.4	105.4	101.9	96.9	94.1	94.1	94.5
22.5°	89.2	91.3	95.5	98.0	99.4	98.3	94.8	90.2	87.4	87.4	87.8
25°	83.5	84.6	87.8	90.2	90.6	89.5	86.7	83.2	81.1	82.1	82.5
27.5°	78.2	78.2	79.7	81.1	80.7	79.7	78.6	75.8	75.4	76.5	77.5
30°	72.6	70.8	70.1	69.1	68.7	68.4	69.4	69.4	70.1	71.5	72.6
32.5°	67.7	64.1	61.0	57.8	56.0	57.4	60.3	62.7	65.2	67.3	68.4
35°	62.0	56.4	51.1	46.9	44.1	46.2	50.8	55.3	59.6	62.4	64.1
37.5°	56.4	48.3	41.9	36.7	34.5	36.3	41.2	47.6	53.9	57.4	59.9
40°	50.4	40.2	32.8	28.5	26.4	28.2	33.1	39.5	47.9	52.5	55.7
42.5°	44.4	33.1	26.4	22.2	21.1	22.2	26.1	32.4	41.6	47.2	51.5
45°	38.4	27.5	21.1	18.0	16.9	18.0	21.1	26.4	35.6	41.9	46.9
47.5°	33.1	23.3	17.6	14.8	14.1	15.2	17.6	22.2	30.0	36.3	41.9
50°	28.9	20.4	15.2	12.7	12.0	13.0	15.2	18.7	25.4	31.0	37.0
52.5°	26.1	19.0	13.4	10.9	10.6	11.3	13.0	15.9	21.5	26.4	32.1
55°	25.4	19.0	12.3	9.9	9.5	10.2	11.6	13.7	18.7	22.9	27.8
57.5°	26.1	20.4	11.6	8.5	8.1	8.8	10.2	12.0	16.2	19.7	24.3
60°	26.1	20.8	10.2	6.7	6.3	7.0	8.5	10.6	14.5	17.3	21.1
62.5°	23.6	19.0	8.5	5.3	4.6	5.3	7.0	8.8	12.7	15.5	18.7
65°	20.4	16.2	7.0	3.9	3.2	3.9	5.6	7.4	10.9	13.4	16.9
67.5°	16.6	12.3	5.3	2.8	2.1	2.8	4.2	6.0	9.2	11.6	15.2
70°	12.3	8.8	4.2	2.5	2.1	2.5	3.9	5.6	8.1	10.6	14.1
72.5°	9.2	6.0	3.5	2.5	1.8	2.5	3.5	5.3	7.8	10.2	13.4
75°	7.8	4.9	3.2	2.1	1.8	2.1	3.2	4.9	7.0	9.5	12.7
77.5°	7.4	4.6	2.8	1.8	1.4	1.8	2.8	4.2	6.3	8.8	12.3
80°	6.3	3.9	2.5	1.4	1.1	1.4	2.5	3.5	4.9	6.7	9.5
82.5°	4.9	3.2	1.8	0.7	0.4	0.7	1.8	2.1	3.2	3.9	5.6
85°	3.2	1.8	0.7	0.0	0.0	0.0	0.7	1.4	1.4	1.8	2.8
87.5°	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6
2.5°	148.7	149.1	149.8	150.8	153.3	155.4	157.5	160.4	161.8	161.8
5°	134.6	135.0	135.3	136.8	140.3	143.1	147.7	153.3	156.1	156.8
7.5°	123.7	124.4	125.1	126.2	129.7	133.6	139.6	150.1	155.4	156.5
10°	117.4	118.4	119.8	121.9	125.1	129.4	139.6	158.6	167.4	169.2
12.5°	112.4	114.2	115.6	118.1	121.9	128.6	149.1	182.6	198.1	202.3
15°	107.5	109.6	111.7	114.2	118.4	131.1	167.4	225.6	251.3	254.5
17.5°	102.6	105.0	107.9	110.7	116.0	137.1	196.3	285.1	321.1	328.1
20°	96.9	100.1	104.0	107.5	113.5	146.6	236.5	356.0	401.1	416.2
22.5°	90.9	94.8	99.4	104.0	110.7	158.3	285.1	432.1	495.2	505.1
25°	86.0	89.9	94.1	98.7	106.1	172.3	344.0	526.6	584.0	593.5
27.5°	81.4	85.3	89.2	93.4	101.5	190.7	414.8	627.0	686.9	696.8
30°	76.5	81.1	84.9	89.2	97.3	213.2	496.6	738.4	795.1	804.3
32.5°	72.3	76.8	80.7	84.9	94.1	237.9	582.6	837.1	883.2	883.2
35°	68.7	73.7	76.5	82.1	91.6	253.8	664.0	931.2	966.1	964.7
37.5°	64.9	70.8	73.0	76.8	88.5	255.5	740.5	1030.6	1056.3	1047.1
40°	61.0	67.3	70.5	72.6	84.9	241.1	824.4	1121.9	1143.7	1131.7
42.5°	57.4	62.4	67.0	69.4	82.8	215.7	891.7	1219.5	1245.6	1235.0
45°	53.9	58.2	61.0	65.6	84.2	198.1	949.5	1333.3	1379.1	1371.4
47.5°	50.4	53.9	55.7	62.7	93.8	190.0	984.8	1509.6	1595.9	1589.6
50°	46.5	50.8	50.8	62.0	107.9	192.8	1015.4	1764.7	1898.3	1896.2
52.5°	42.6	47.2	46.5	67.3	118.8	205.8	1050.3	1989.9	2222.2	2241.6
55°	38.8	43.0	43.7	77.9	125.1	217.1	915.3	2084.8	2498.9	2566.9
57.5°	34.5	37.0	45.5	86.0	123.0	249.9	627.0	2102.0	2675.5	2821.4
60°	30.0	32.1	51.5	84.2	116.3	230.9	394.7	1946.9	2650.4	2835.5
62.5°	26.1	29.6	54.3	74.4	118.4	200.2	251.7	1659.3	2411.8	2623.0
65°	22.9	28.5	49.3	67.3	119.8	135.7	169.9	1349.9	2178.9	2379.8
67.5°	20.4	31.7	40.5	59.9	102.9	95.5	116.7	1048.9	1832.0	2012.2
70°	18.7	32.4	33.1	51.5	79.7	61.3	76.8	706.0	1262.8	1468.7
72.5°	16.9	24.0	25.0	41.2	51.5	37.4	49.7	403.9	920.6	1060.9
75°	16.2	16.2	17.3	26.8	28.5	27.1	32.1	241.1	660.1	762.7
77.5°	15.2	12.3	10.9	17.3	15.5	19.4	19.0	107.1	286.2	309.5
80°	12.0	8.8	7.4	10.9	10.6	13.0	11.3	8.8	13.0	12.7
82.5°	7.4	5.6	5.3	6.7	6.0	6.7	5.3	1.4	1.4	1.4
85°	3.5	3.2	2.8	2.8	3.2	2.8	2.1	0.7	0.4	0.4
87.5°	1.8	1.8	1.4	1.1	1.4	1.4	1.1	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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