

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: P630231

Luminaire Tested: GWS-SA1D-730-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-730-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

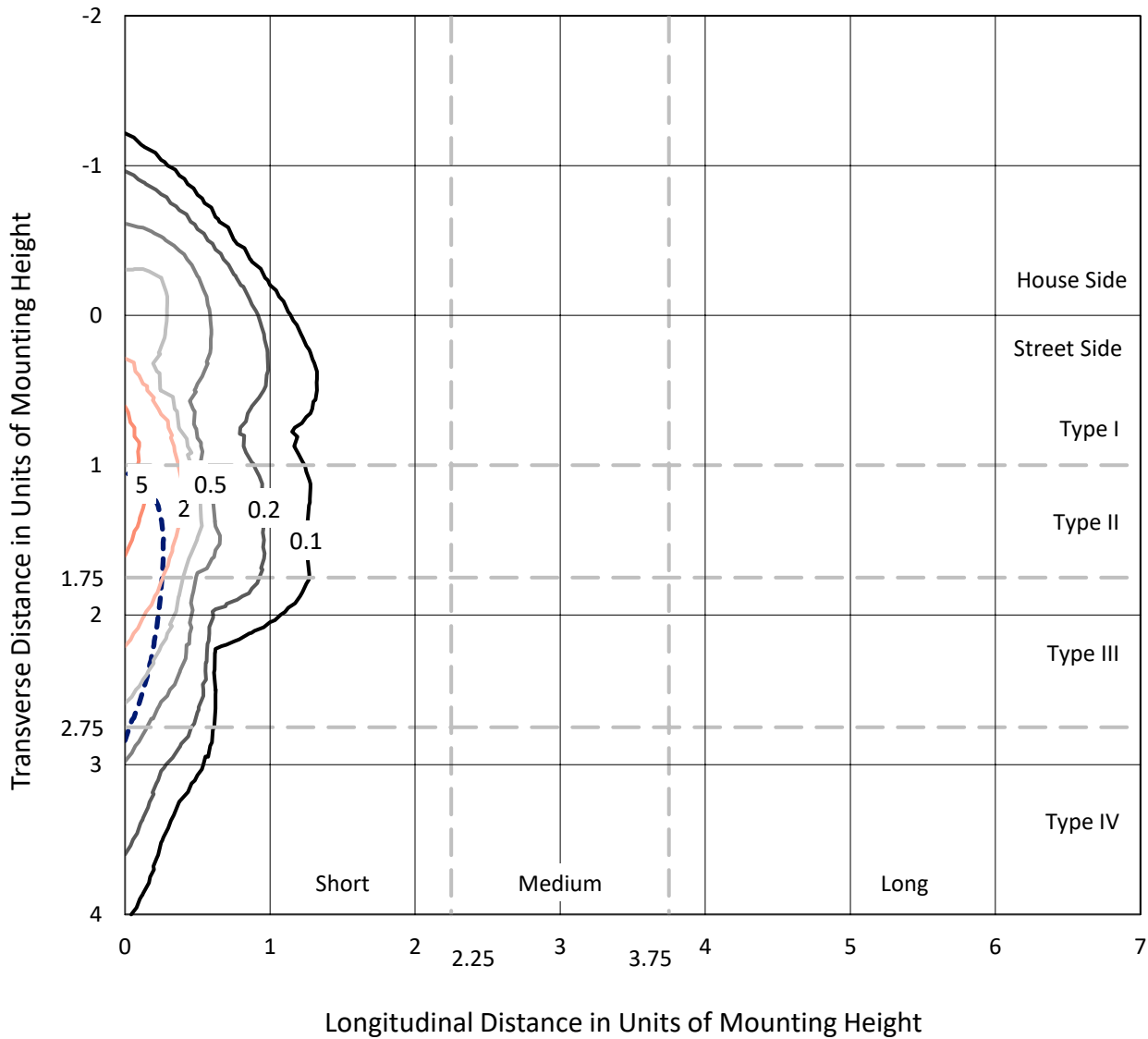
Lumens per Lamp: N/A  
Luminaire Lumens: 3343.3 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

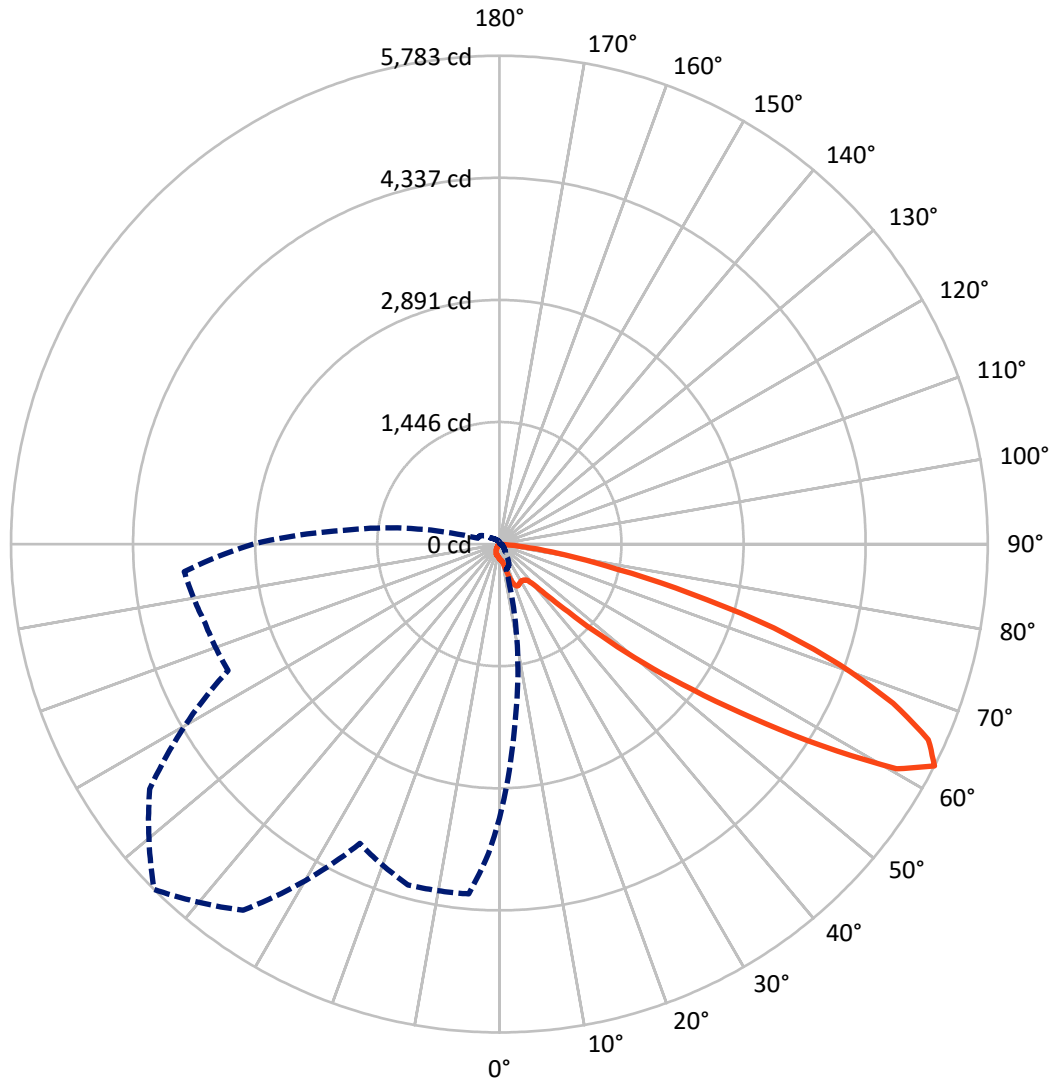
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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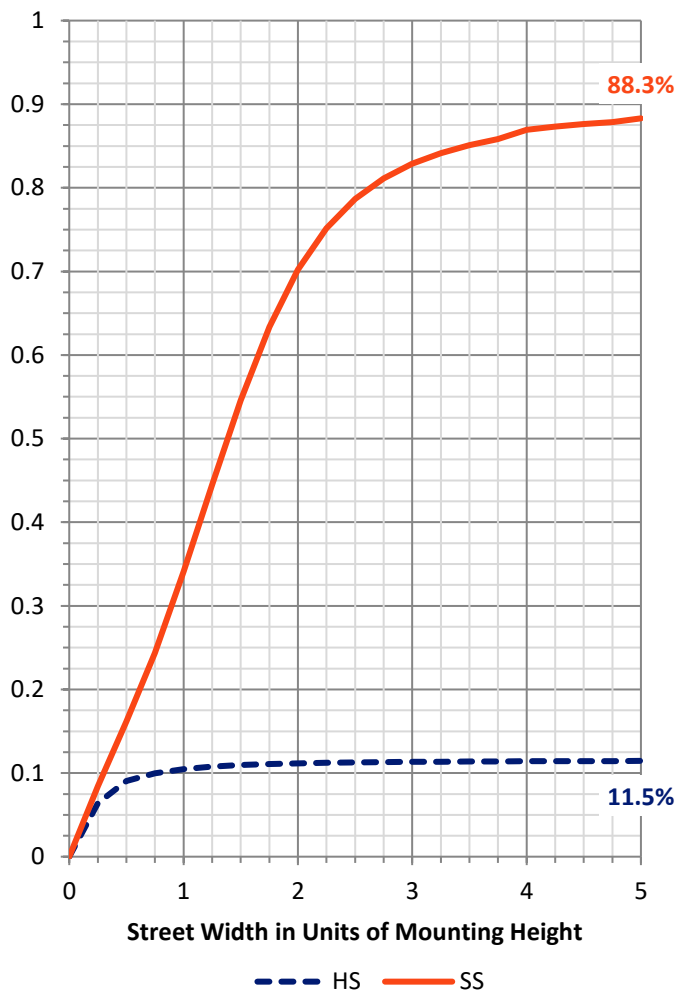
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	388.5	0.0	388.5
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	2954.8	0.0	2954.8
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	3343.3	0.0	3343.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	0.4
10°-20°	51.3	1.5
20°-30°	115.9	3.5
30°-40°	199.7	6.0
40°-50°	376.8	11.3
50°-60°	841.2	25.2
60°-70°	1125.1	33.7
70°-80°	564.2	16.9
80°-90°	54.1	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°	3343.3	100.0
0°-180°	3343.3	100.0

**Coefficient of Utilization**



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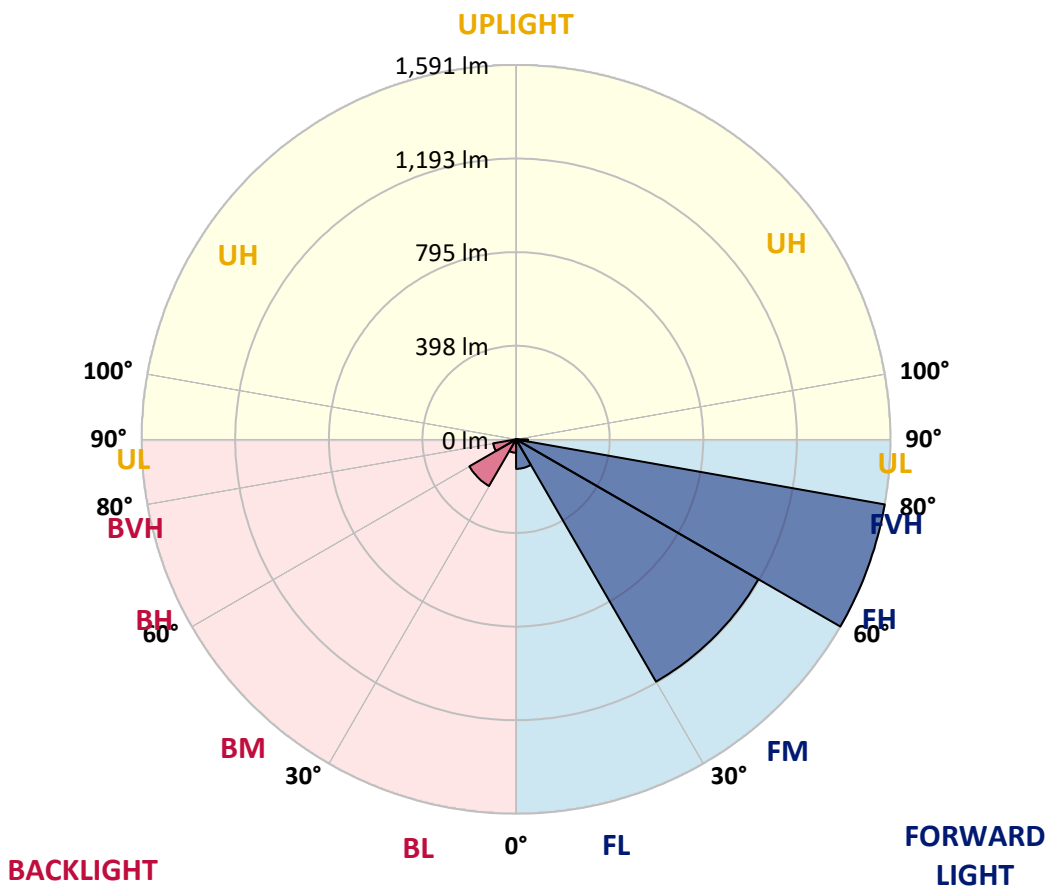
CATALOG NUMBER: GWS-SA1D-730-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.2	3.7			
FM (30°-60°)	1188.6	35.6			
FH (60°-80°)	1590.5	47.6			G1/1800
FVH (80°-90°)	50.5	1.5			G1/100
BL (0°-30°)	57.0	1.7	B0/110		
BM (30°-60°)	229.1	6.9	B1/1000		
BH (60°-80°)	98.8	3.0	B0/110		G0/110
BVH (80°-90°)	3.6	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	171.4	171.0	170.2	167.8	165.9	164.7	162.3	162.3	161.9	161.1	159.5
5°	165.9	164.3	162.7	158.3	153.6	150.8	147.7	147.3	147.3	146.5	146.1
7.5°	157.2	155.6	153.6	146.5	142.1	139.3	136.6	136.2	135.0	135.0	135.0
10°	152.4	150.0	146.9	138.9	134.6	132.2	130.2	129.1	128.3	127.1	126.7
12.5°	162.7	158.3	151.6	137.4	131.4	128.3	125.9	125.1	122.7	121.1	119.9
15°	194.8	184.1	170.6	140.9	130.2	125.5	122.3	120.7	118.8	116.0	114.0
17.5°	247.4	232.0	209.4	152.4	129.1	123.1	119.2	116.4	113.6	110.4	108.1
20°	320.3	297.3	270.4	173.4	129.1	120.3	115.6	112.0	108.1	104.5	101.7
22.5°	412.9	389.9	344.0	209.0	130.6	116.8	111.2	106.5	101.7	98.6	95.4
25°	516.6	484.1	441.4	252.2	135.0	112.0	106.1	101.3	97.0	93.0	89.5
27.5°	632.2	597.0	540.0	313.5	144.5	107.3	100.5	96.2	92.2	88.3	83.5
30°	738.7	717.7	659.5	387.2	159.9	104.1	96.2	92.2	88.3	83.1	78.8
32.5°	866.5	829.3	781.4	471.1	180.5	100.9	92.6	87.1	83.9	79.2	74.4
35°	995.2	963.5	900.6	574.4	203.5	97.8	88.3	83.1	80.4	74.8	69.7
37.5°	1127.8	1120.7	1058.5	688.8	226.0	94.2	83.1	80.0	77.2	70.9	64.9
40°	1258.5	1245.4	1188.0	819.4	239.9	90.3	78.8	76.8	73.6	66.5	59.8
42.5°	1383.5	1373.6	1317.8	944.5	237.9	86.7	74.4	72.0	69.7	62.5	54.2
45°	1537.1	1520.9	1450.4	1037.2	217.7	90.7	70.1	66.1	65.7	59.0	48.7
47.5°	1824.5	1771.1	1651.5	1108.4	197.5	100.9	65.3	60.6	63.3	55.4	43.1
50°	2227.1	2164.2	1991.2	1163.8	197.1	114.4	64.5	55.4	61.4	52.6	38.4
52.5°	2631.7	2520.9	2310.7	1193.5	211.8	124.3	71.7	50.3	59.0	49.9	34.8
55°	3019.3	2789.3	2444.5	1095.4	223.3	135.0	84.7	47.5	54.6	46.7	32.9
57.5°	3388.6	3005.0	2502.7	866.5	261.7	139.3	92.6	48.7	48.3	42.8	31.3
60°	3439.3	2994.7	2385.1	503.9	288.6	131.8	89.5	54.2	42.4	38.0	28.5
62.5°	3247.7	2795.6	2117.1	314.3	268.0	129.1	79.6	61.8	38.4	33.6	24.9
65°	2956.7	2483.3	1765.2	202.7	203.1	143.3	69.7	60.6	36.0	29.7	21.4
67.5°	2501.9	2078.3	1390.7	135.8	114.8	122.3	61.0	41.6	35.2	25.3	16.6
70°	1826.1	1479.3	905.3	90.7	68.5	97.8	51.1	29.7	33.3	21.0	11.9
72.5°	1334.9	994.0	505.5	59.4	38.8	57.0	37.6	21.4	25.7	15.4	8.3
75°	960.8	684.1	288.6	38.0	25.7	31.3	24.5	14.6	16.6	12.3	7.5
77.5°	462.4	333.3	131.0	21.0	17.4	15.8	13.1	9.1	10.3	11.1	6.7
80°	17.4	13.1	9.9	10.3	11.1	7.1	5.9	4.8	5.9	7.5	3.6
82.5°	0.0	0.0	0.0	1.2	1.6	2.0	2.4	2.0	2.4	2.8	0.4
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°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	160.7	159.9	160.7	161.5	162.3	163.1	161.9	162.7	163.5	161.5	162.3
5°	148.1	147.7	150.0	151.2	152.8	153.6	152.8	152.8	152.4	150.0	150.0
7.5°	137.0	137.4	139.3	142.1	144.1	145.3	144.5	144.1	142.9	139.3	139.3
10°	128.7	128.7	131.8	134.2	137.0	138.2	137.4	136.2	135.0	131.4	131.0
12.5°	121.9	121.9	124.3	128.3	131.4	133.0	132.6	131.0	129.1	125.5	125.1
15°	115.6	115.2	118.8	122.3	126.7	128.7	127.9	126.7	123.1	119.9	119.2
17.5°	109.3	108.9	112.0	116.8	121.5	124.3	123.9	121.1	118.0	114.0	113.2
20°	102.9	102.1	106.1	110.8	115.6	118.4	117.6	115.2	111.2	107.3	106.5
22.5°	96.6	96.2	99.0	102.9	107.3	109.7	109.3	107.3	103.3	99.8	99.8
25°	89.5	89.5	91.4	94.2	97.4	98.6	99.0	98.2	95.8	93.8	93.8
27.5°	83.5	82.3	83.1	83.9	85.5	87.5	87.5	88.3	88.7	87.9	88.3
30°	78.8	76.8	75.6	74.0	73.2	74.0	74.8	77.6	80.4	81.9	82.7
32.5°	73.2	70.9	67.7	63.3	60.6	59.8	62.2	67.3	72.4	76.0	78.0
35°	67.7	64.5	58.6	52.3	48.7	47.5	50.3	56.2	63.7	70.1	72.8
37.5°	62.2	57.8	49.5	42.0	38.0	37.2	40.0	46.3	55.0	63.7	67.3
40°	55.8	50.7	40.8	32.9	29.7	28.9	31.3	37.6	46.7	56.6	62.2
42.5°	49.5	43.1	32.9	26.1	23.0	23.0	26.1	30.9	39.2	49.9	56.6
45°	43.1	36.4	26.9	21.0	19.0	19.4	21.4	26.1	32.9	43.9	50.3
47.5°	37.2	31.3	22.2	17.4	15.8	16.2	18.6	22.6	28.1	38.0	44.7
50°	32.1	26.5	19.4	14.6	13.5	14.3	16.6	20.2	24.9	33.6	39.2
52.5°	28.9	23.8	17.8	12.7	11.9	12.7	15.0	18.2	22.6	29.7	35.2
55°	27.3	23.4	17.8	11.5	10.3	11.1	13.5	16.6	20.2	26.9	31.7
57.5°	26.9	24.1	19.0	10.3	8.7	9.5	11.9	15.0	18.6	24.5	28.5
60°	25.3	23.0	18.6	8.3	6.7	7.9	9.9	13.1	17.0	23.0	26.5
62.5°	22.2	20.2	16.2	6.7	5.1	5.9	8.3	11.5	15.4	21.0	24.9
65°	18.2	16.2	12.7	4.4	3.2	4.0	6.3	9.9	13.5	19.0	22.6
67.5°	13.5	11.5	8.7	2.8	1.6	2.8	5.1	8.3	12.3	17.0	20.6
70°	8.3	6.7	4.8	1.6	1.2	2.4	4.8	7.9	11.1	15.8	19.4
72.5°	4.8	3.2	2.0	0.8	1.2	2.4	4.8	7.9	10.7	15.0	18.2
75°	3.6	2.0	0.8	0.4	0.8	2.0	4.4	7.1	10.3	14.3	17.4
77.5°	2.4	1.2	0.4	0.0	0.4	1.6	4.0	6.7	9.5	13.5	16.6
80°	0.4	0.0	0.0	0.0	0.0	1.2	3.6	5.9	8.7	11.9	14.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.8	5.1	7.5	9.9	11.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.9	7.5	8.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	4.8	5.5
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°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	161.9	164.3	164.3	165.9	167.8	171.4	173.4	176.2	178.1	180.1	180.9
5°	149.6	150.0	150.4	151.2	153.6	157.6	161.1	165.5	170.6	174.6	177.0
7.5°	139.3	139.3	139.3	140.5	142.9	145.7	149.2	155.2	161.1	165.9	169.8
10°	130.6	131.8	132.2	134.2	137.0	140.5	144.5	149.6	156.4	162.7	169.8
12.5°	125.1	126.3	128.3	130.2	133.0	137.0	141.3	148.1	161.9	175.0	190.0
15°	119.9	121.5	123.9	126.7	129.8	134.2	138.9	152.8	185.3	209.8	233.6
17.5°	114.4	116.8	119.9	122.7	126.7	131.4	137.4	164.3	228.0	268.8	309.2
20°	107.3	110.4	114.0	118.4	123.1	128.7	137.4	188.0	289.8	348.4	401.8
22.5°	100.5	103.7	108.1	113.6	119.2	124.7	139.3	224.1	369.3	443.4	511.1
25°	95.0	99.0	103.3	108.1	114.4	120.7	144.1	274.7	465.1	560.5	608.4
27.5°	89.9	94.6	99.0	102.9	108.5	115.6	154.8	342.4	578.4	675.3	713.0
30°	84.7	90.3	94.6	98.6	104.1	111.6	171.0	428.7	704.2	798.5	802.4
32.5°	80.4	85.5	90.7	94.6	99.8	108.5	193.6	529.7	833.3	924.3	887.1
35°	75.6	81.5	86.3	90.7	96.2	105.7	219.7	638.5	963.5	1039.9	971.4
37.5°	70.9	77.6	83.5	86.7	92.2	102.9	238.7	752.1	1096.5	1152.8	1045.5
40°	66.5	74.0	80.8	83.9	86.7	99.4	241.5	868.5	1231.5	1264.0	1115.1
42.5°	61.8	70.1	76.0	80.4	82.7	97.0	224.9	966.7	1344.7	1374.8	1206.2
45°	56.6	66.5	71.3	74.4	79.2	98.6	203.5	1042.7	1474.2	1526.1	1356.2
47.5°	51.5	62.5	66.5	68.9	75.2	108.1	195.6	1093.4	1687.6	1795.2	1609.2
50°	46.7	59.0	63.3	62.9	74.4	120.3	204.3	1131.8	2008.2	2134.9	1956.0
52.5°	41.6	55.0	60.2	58.6	80.4	129.8	221.7	1162.3	2254.8	2533.1	2421.9
55°	37.2	50.7	55.4	55.0	91.4	137.0	235.1	1001.5	2357.0	2903.3	2946.8
57.5°	34.0	45.9	49.9	56.6	98.6	137.0	272.0	711.0	2359.0	3175.6	3643.5
60°	31.3	41.6	44.3	62.2	95.8	129.8	269.2	435.5	2174.1	3157.0	4014.1
62.5°	28.9	37.6	41.2	63.7	84.7	128.7	243.1	270.0	1854.2	2916.7	3745.3
65°	26.9	34.4	39.6	58.6	76.8	137.8	163.9	194.0	1503.9	2642.8	3436.9
67.5°	24.9	31.7	42.0	47.9	69.7	123.1	118.4	137.8	1180.5	2342.3	3153.8
70°	23.4	30.1	44.3	39.2	61.0	96.2	83.9	104.5	903.8	1954.4	2755.2
72.5°	22.2	28.1	37.2	30.9	49.5	74.4	58.6	76.0	590.6	1525.7	2246.1
75°	21.0	25.7	27.3	24.9	36.8	48.7	44.3	51.1	351.9	1115.1	1704.2
77.5°	20.6	24.1	22.2	20.2	24.9	28.9	33.6	34.4	171.8	557.8	893.1
80°	18.2	21.8	19.0	16.6	17.0	19.0	24.9	23.0	39.2	141.7	238.3
82.5°	14.3	17.0	15.8	13.9	13.9	13.9	16.6	15.4	12.7	63.7	107.7
85°	9.9	11.9	11.9	11.1	10.7	10.7	10.3	9.9	3.6	4.0	5.9
87.5°	6.7	8.3	8.7	8.3	7.1	6.3	5.5	4.8	1.6	0.0	0.8
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°	358°	360°
0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	183.7	184.9	184.9	183.3	182.1	178.9	175.8	172.6	171.8	171.4
5°	183.7	188.4	190.8	190.4	187.6	182.5	175.8	168.6	166.7	165.9
7.5°	180.9	190.0	197.1	198.3	193.2	184.1	171.8	161.1	158.3	157.2
10°	187.2	205.1	219.3	221.3	215.3	197.5	177.7	159.5	155.2	152.4
12.5°	221.3	250.6	268.0	276.3	264.8	242.3	209.4	177.0	167.1	162.7
15°	290.2	331.7	365.0	365.0	354.3	314.3	272.8	220.1	206.6	194.8
17.5°	378.4	430.7	460.0	456.8	440.6	412.5	362.6	287.0	259.7	247.4
20°	479.0	510.3	517.0	515.0	507.9	491.7	457.2	376.1	339.3	320.3
22.5°	566.1	557.8	547.9	540.0	538.0	542.7	538.0	475.4	446.5	412.9
25°	625.1	578.0	548.3	534.0	540.7	568.1	597.8	574.4	551.4	516.6
27.5°	657.1	575.6	532.8	518.2	529.7	568.5	633.0	672.6	648.8	632.2
30°	674.6	573.6	522.9	508.7	526.1	574.8	657.5	764.4	765.2	738.7
32.5°	699.5	586.3	524.9	511.9	535.2	593.8	688.4	857.8	880.8	866.5
35°	727.6	605.7	534.0	522.1	551.0	619.1	722.8	952.1	1000.0	995.2
37.5°	754.1	627.4	555.4	543.9	575.2	640.9	756.1	1044.7	1111.2	1127.8
40°	781.8	657.9	621.1	632.2	649.6	675.3	785.8	1125.0	1233.5	1258.5
42.5°	847.1	763.6	819.8	840.8	843.2	790.1	850.7	1228.0	1353.9	1383.5
45°	992.8	951.7	1112.8	1142.5	1127.0	966.3	1007.1	1376.4	1522.1	1537.1
47.5°	1176.9	1195.9	1513.8	1616.3	1523.7	1174.1	1196.7	1688.8	1830.1	1824.5
50°	1391.5	1481.3	1969.0	2210.9	1989.2	1444.1	1415.2	2072.7	2244.2	2227.1
52.5°	1645.2	1813.1	2516.1	2859.7	2649.9	1747.7	1735.9	2581.4	2685.9	2631.7
55°	1964.7	2133.3	3145.5	3625.7	3327.2	2118.3	2159.0	3171.3	3191.5	3019.3
57.5°	2441.3	2550.9	3887.4	4504.1	4034.2	2621.8	2917.5	3956.3	3714.8	3388.6
60°	3306.7	3088.1	4604.3	5402.7	4786.4	3330.0	3917.9	4421.4	3889.0	3439.3
62.5°	3607.9	3544.2	5053.2	5782.8	5292.3	3911.5	4177.9	4157.8	3663.3	3247.7
65°	3151.5	3430.6	4972.8	5582.1	5227.4	3815.7	3749.2	3866.8	3409.2	2956.7
67.5°	2911.2	3163.7	4668.4	5028.3	4867.5	3490.7	3341.9	3309.8	2862.1	2501.9
70°	2668.9	2919.1	4227.0	4271.8	4196.9	2961.1	2765.5	2550.6	2139.2	1826.1
72.5°	2377.6	2515.3	3614.6	3402.4	3317.7	2325.7	2284.5	1920.7	1603.6	1334.9
75°	2073.5	2033.6	2818.2	2335.2	2398.5	1809.5	1929.4	1410.5	1174.9	960.8
77.5°	1508.2	1478.6	1887.5	1418.4	1570.8	1185.2	1064.9	562.9	536.0	462.4
80°	841.6	1014.6	1019.3	794.9	991.6	772.7	266.4	18.6	11.9	17.4
82.5°	391.1	436.2	552.6	368.5	565.7	382.8	55.0	0.0	0.0	0.0
85°	126.7	185.3	155.2	54.2	137.0	129.4	9.1	0.0	0.0	0.0
87.5°	7.5	15.4	4.0	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

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