

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: P629463

Luminaire Tested: GWS-SA1B-760-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629463  
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-SA1B-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2189.3 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

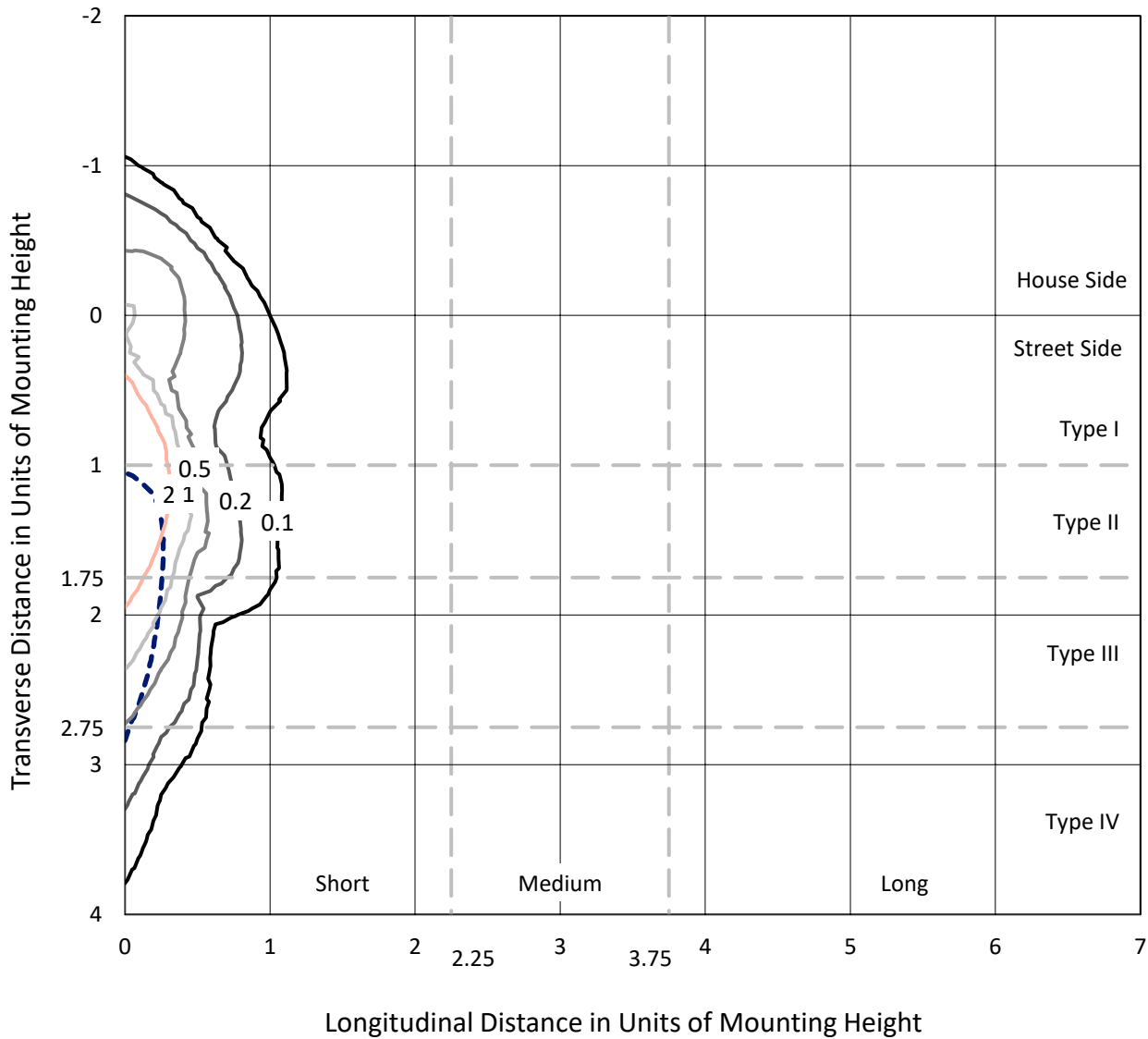
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

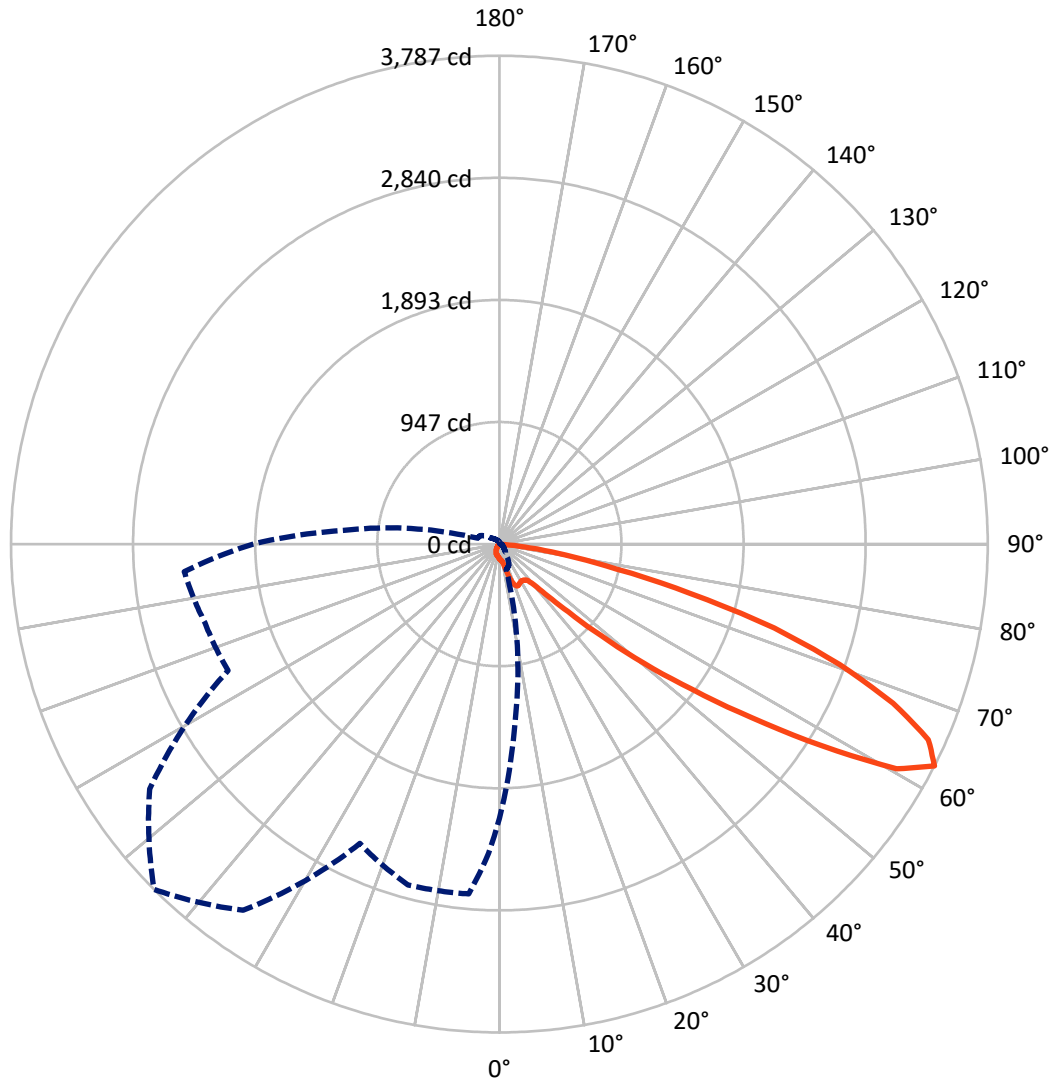
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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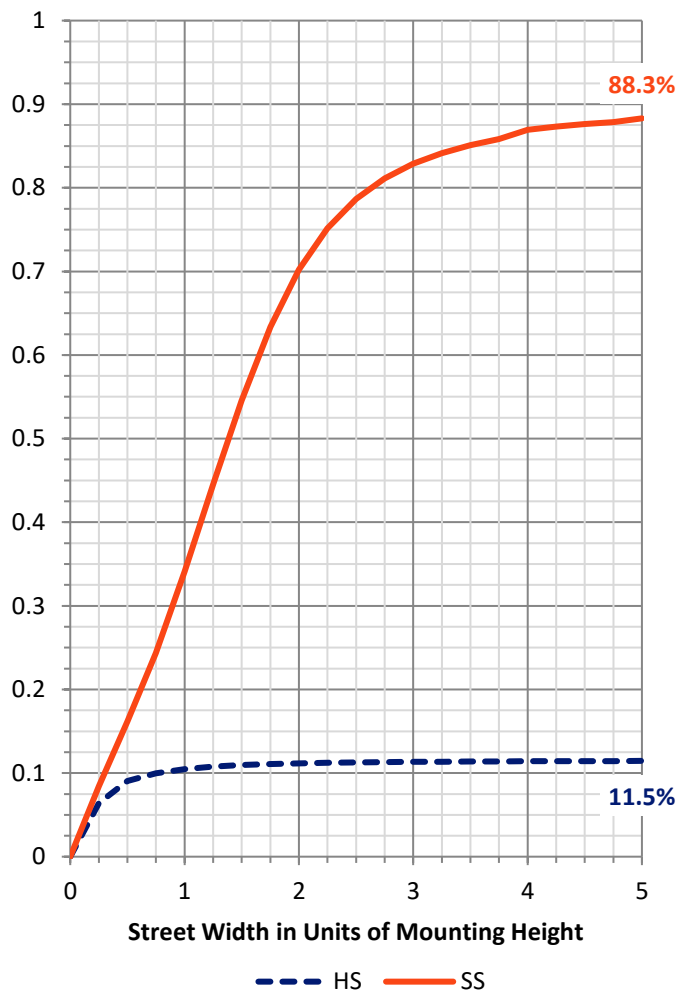
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	254.4	0.0	254.4
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	1934.9	0.0	1934.9
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	2189.3	0.0	2189.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.8	0.4
10°-20°	33.6	1.5
20°-30°	75.9	3.5
30°-40°	130.8	6.0
40°-50°	246.7	11.3
50°-60°	550.8	25.2
60°-70°	736.7	33.7
70°-80°	369.5	16.9
80°-90°	35.4	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°	2189.3	100.0
0°-180°	2189.3	100.0

**Coefficient of Utilization**

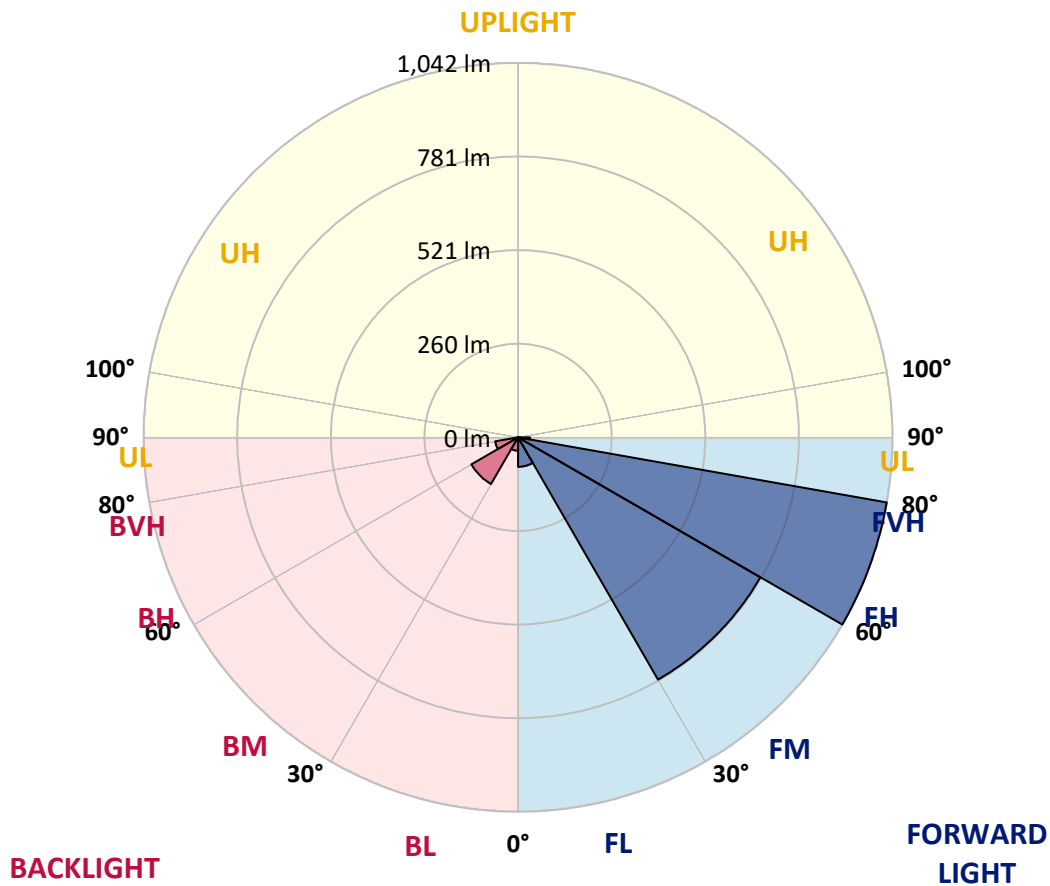


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.0	3.7			
FM (30°-60°)	778.4	35.6			
FH (60°-80°)	1041.5	47.6			G1/1800
FVH (80°-90°)	33.1	1.5			G1/100
BL (0°-30°)	37.3	1.7	B0/110		
BM (30°-60°)	150.0	6.9	B0/220		
BH (60°-80°)	64.7	3.0	B0/110		G0/110
BVH (80°-90°)	2.4	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	112.2	112.0	111.5	109.9	108.6	107.8	106.3	106.3	106.0	105.5	104.5
5°	108.6	107.6	106.5	103.7	100.6	98.8	96.7	96.4	96.4	95.9	95.7
7.5°	102.9	101.9	100.6	95.9	93.1	91.2	89.4	89.2	88.4	88.4	88.4
10°	99.8	98.2	96.2	91.0	88.1	86.6	85.3	84.5	84.0	83.2	83.0
12.5°	106.5	103.7	99.3	90.0	86.1	84.0	82.4	81.9	80.4	79.3	78.5
15°	127.5	120.5	111.7	92.3	85.3	82.2	80.1	79.1	77.8	76.0	74.7
17.5°	162.0	151.9	137.1	99.8	84.5	80.6	78.0	76.2	74.4	72.3	70.8
20°	209.7	194.7	177.1	113.5	84.5	78.8	75.7	73.4	70.8	68.4	66.6
22.5°	270.4	255.3	225.3	136.9	85.5	76.5	72.8	69.7	66.6	64.5	62.5
25°	338.3	317.0	289.0	165.1	88.4	73.4	69.5	66.4	63.5	60.9	58.6
27.5°	414.0	390.9	353.6	205.3	94.6	70.2	65.8	63.0	60.4	57.8	54.7
30°	483.7	470.0	431.9	253.5	104.7	68.2	63.0	60.4	57.8	54.4	51.6
32.5°	567.4	543.1	511.7	308.5	118.2	66.1	60.7	57.0	55.0	51.8	48.7
35°	651.7	631.0	589.7	376.1	133.2	64.0	57.8	54.4	52.6	49.0	45.6
37.5°	738.5	733.9	693.2	451.1	148.0	61.7	54.4	52.4	50.5	46.4	42.5
40°	824.1	815.5	777.9	536.6	157.1	59.1	51.6	50.3	48.2	43.5	39.1
42.5°	906.0	899.5	863.0	618.5	155.8	56.8	48.7	47.2	45.6	41.0	35.5
45°	1006.6	995.9	949.8	679.2	142.6	59.4	45.9	43.3	43.0	38.6	31.9
47.5°	1194.8	1159.8	1081.5	725.8	129.4	66.1	42.8	39.7	41.5	36.3	28.3
50°	1458.4	1417.2	1303.9	762.1	129.1	74.9	42.3	36.3	40.2	34.5	25.1
52.5°	1723.3	1650.7	1513.1	781.6	138.7	81.4	46.9	32.9	38.6	32.7	22.8
55°	1977.1	1826.5	1600.7	717.3	146.2	88.4	55.5	31.1	35.8	30.6	21.5
57.5°	2219.0	1967.8	1638.8	567.4	171.3	91.2	60.7	31.9	31.6	28.0	20.5
60°	2252.1	1961.0	1561.8	330.0	189.0	86.3	58.6	35.5	27.7	24.9	18.7
62.5°	2126.7	1830.6	1386.3	205.8	175.5	84.5	52.1	40.4	25.1	22.0	16.3
65°	1936.1	1626.1	1155.9	132.7	133.0	93.8	45.6	39.7	23.6	19.4	14.0
67.5°	1638.3	1360.9	910.7	88.9	75.2	80.1	39.9	27.2	23.1	16.6	10.9
70°	1195.8	968.7	592.8	59.4	44.8	64.0	33.4	19.4	21.8	13.7	7.8
72.5°	874.1	650.9	331.0	38.9	25.4	37.3	24.6	14.0	16.8	10.1	5.4
75°	629.1	447.9	189.0	24.9	16.8	20.5	16.1	9.6	10.9	8.0	4.9
77.5°	302.8	218.3	85.8	13.7	11.4	10.4	8.6	6.0	6.7	7.3	4.4
80°	11.4	8.6	6.5	6.7	7.3	4.7	3.9	3.1	3.9	4.9	2.3
82.5°	0.0	0.0	0.0	0.8	1.0	1.3	1.6	1.3	1.6	1.8	0.3
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°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	105.2	104.7	105.2	105.8	106.3	106.8	106.0	106.5	107.1	105.8	106.3
5°	96.9	96.7	98.2	99.0	100.1	100.6	100.1	100.1	99.8	98.2	98.2
7.5°	89.7	90.0	91.2	93.1	94.4	95.1	94.6	94.4	93.6	91.2	91.2
10°	84.2	84.2	86.3	87.9	89.7	90.5	90.0	89.2	88.4	86.1	85.8
12.5°	79.8	79.8	81.4	84.0	86.1	87.1	86.8	85.8	84.5	82.2	81.9
15°	75.7	75.4	77.8	80.1	83.0	84.2	83.7	83.0	80.6	78.5	78.0
17.5°	71.5	71.3	73.4	76.5	79.6	81.4	81.1	79.3	77.2	74.7	74.1
20°	67.4	66.9	69.5	72.6	75.7	77.5	77.0	75.4	72.8	70.2	69.7
22.5°	63.3	63.0	64.8	67.4	70.2	71.8	71.5	70.2	67.7	65.3	65.3
25°	58.6	58.6	59.9	61.7	63.8	64.5	64.8	64.3	62.7	61.4	61.4
27.5°	54.7	53.9	54.4	55.0	56.0	57.3	57.3	57.8	58.1	57.5	57.8
30°	51.6	50.3	49.5	48.5	48.0	48.5	49.0	50.8	52.6	53.7	54.2
32.5°	48.0	46.4	44.3	41.5	39.7	39.1	40.7	44.1	47.4	49.8	51.1
35°	44.3	42.3	38.4	34.2	31.9	31.1	32.9	36.8	41.7	45.9	47.7
37.5°	40.7	37.8	32.4	27.5	24.9	24.4	26.2	30.3	36.0	41.7	44.1
40°	36.6	33.2	26.7	21.5	19.4	18.9	20.5	24.6	30.6	37.1	40.7
42.5°	32.4	28.3	21.5	17.1	15.0	15.0	17.1	20.2	25.7	32.7	37.1
45°	28.3	23.8	17.6	13.7	12.4	12.7	14.0	17.1	21.5	28.8	32.9
47.5°	24.4	20.5	14.5	11.4	10.4	10.6	12.2	14.8	18.4	24.9	29.3
50°	21.0	17.4	12.7	9.6	8.8	9.3	10.9	13.2	16.3	22.0	25.7
52.5°	18.9	15.6	11.7	8.3	7.8	8.3	9.9	11.9	14.8	19.4	23.1
55°	17.9	15.3	11.7	7.5	6.7	7.3	8.8	10.9	13.2	17.6	20.7
57.5°	17.6	15.8	12.4	6.7	5.7	6.2	7.8	9.9	12.2	16.1	18.7
60°	16.6	15.0	12.2	5.4	4.4	5.2	6.5	8.6	11.1	15.0	17.4
62.5°	14.5	13.2	10.6	4.4	3.4	3.9	5.4	7.5	10.1	13.7	16.3
65°	11.9	10.6	8.3	2.9	2.1	2.6	4.1	6.5	8.8	12.4	14.8
67.5°	8.8	7.5	5.7	1.8	1.0	1.8	3.4	5.4	8.0	11.1	13.5
70°	5.4	4.4	3.1	1.0	0.8	1.6	3.1	5.2	7.3	10.4	12.7
72.5°	3.1	2.1	1.3	0.5	0.8	1.6	3.1	5.2	7.0	9.9	11.9
75°	2.3	1.3	0.5	0.3	0.5	1.3	2.9	4.7	6.7	9.3	11.4
77.5°	1.6	0.8	0.3	0.0	0.3	1.0	2.6	4.4	6.2	8.8	10.9
80°	0.3	0.0	0.0	0.0	0.0	0.8	2.3	3.9	5.7	7.8	9.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.8	3.4	4.9	6.5	7.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6	3.9	4.9	5.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.1	3.6
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	106.0	107.6	107.6	108.6	109.9	112.2	113.5	115.4	116.7	117.9	118.5
5°	98.0	98.2	98.5	99.0	100.6	103.2	105.5	108.4	111.7	114.3	115.9
7.5°	91.2	91.2	91.2	92.0	93.6	95.4	97.7	101.6	105.5	108.6	111.2
10°	85.5	86.3	86.6	87.9	89.7	92.0	94.6	98.0	102.4	106.5	111.2
12.5°	81.9	82.7	84.0	85.3	87.1	89.7	92.5	96.9	106.0	114.6	124.4
15°	78.5	79.6	81.1	83.0	85.0	87.9	91.0	100.1	121.3	137.4	152.9
17.5°	74.9	76.5	78.5	80.4	83.0	86.1	90.0	107.6	149.3	176.0	202.5
20°	70.2	72.3	74.7	77.5	80.6	84.2	90.0	123.1	189.8	228.1	263.1
22.5°	65.8	67.9	70.8	74.4	78.0	81.7	91.2	146.7	241.9	290.3	334.7
25°	62.2	64.8	67.7	70.8	74.9	79.1	94.4	179.9	304.6	367.1	398.4
27.5°	58.8	62.0	64.8	67.4	71.0	75.7	101.4	224.2	378.7	442.2	466.9
30°	55.5	59.1	62.0	64.5	68.2	73.1	112.0	280.7	461.2	522.9	525.4
32.5°	52.6	56.0	59.4	62.0	65.3	71.0	126.8	346.8	545.7	605.3	580.9
35°	49.5	53.4	56.5	59.4	63.0	69.2	143.9	418.1	631.0	681.0	636.1
37.5°	46.4	50.8	54.7	56.8	60.4	67.4	156.3	492.5	718.1	754.9	684.6
40°	43.5	48.5	52.9	55.0	56.8	65.1	158.1	568.7	806.4	827.7	730.2
42.5°	40.4	45.9	49.8	52.6	54.2	63.5	147.2	633.0	880.6	900.3	789.9
45°	37.1	43.5	46.7	48.7	51.8	64.5	133.2	682.8	965.4	999.3	888.1
47.5°	33.7	41.0	43.5	45.1	49.3	70.8	128.1	716.0	1105.1	1175.6	1053.7
50°	30.6	38.6	41.5	41.2	48.7	78.8	133.8	741.1	1315.0	1398.0	1280.8
52.5°	27.2	36.0	39.4	38.4	52.6	85.0	145.2	761.1	1476.5	1658.8	1585.9
55°	24.4	33.2	36.3	36.0	59.9	89.7	154.0	655.8	1543.4	1901.2	1929.7
57.5°	22.3	30.1	32.7	37.1	64.5	89.7	178.1	465.6	1544.7	2079.5	2385.9
60°	20.5	27.2	29.0	40.7	62.7	85.0	176.3	285.1	1423.7	2067.3	2628.5
62.5°	18.9	24.6	27.0	41.7	55.5	84.2	159.2	176.8	1214.2	1910.0	2452.5
65°	17.6	22.6	25.9	38.4	50.3	90.2	107.3	127.0	984.8	1730.6	2250.6
67.5°	16.3	20.7	27.5	31.4	45.6	80.6	77.5	90.2	773.0	1533.8	2065.2
70°	15.3	19.7	29.0	25.7	39.9	63.0	55.0	68.4	591.8	1279.8	1804.2
72.5°	14.5	18.4	24.4	20.2	32.4	48.7	38.4	49.8	386.8	999.1	1470.8
75°	13.7	16.8	17.9	16.3	24.1	31.9	29.0	33.4	230.5	730.2	1116.0
77.5°	13.5	15.8	14.5	13.2	16.3	18.9	22.0	22.6	112.5	365.2	584.8
80°	11.9	14.3	12.4	10.9	11.1	12.4	16.3	15.0	25.7	92.8	156.1
82.5°	9.3	11.1	10.4	9.1	9.1	9.1	10.9	10.1	8.3	41.7	70.5
85°	6.5	7.8	7.8	7.3	7.0	7.0	6.7	6.5	2.3	2.6	3.9
87.5°	4.4	5.4	5.7	5.4	4.7	4.1	3.6	3.1	1.0	0.0	0.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5
2.5°	120.3	121.1	121.1	120.0	119.2	117.2	115.1	113.0	112.5	112.2
5°	120.3	123.4	124.9	124.7	122.9	119.5	115.1	110.4	109.1	108.6
7.5°	118.5	124.4	129.1	129.9	126.5	120.5	112.5	105.5	103.7	102.9
10°	122.6	134.3	143.6	144.9	141.0	129.4	116.4	104.5	101.6	99.8
12.5°	144.9	164.1	175.5	180.9	173.4	158.6	137.1	115.9	109.4	106.5
15°	190.0	217.2	239.0	239.0	232.0	205.8	178.6	144.1	135.3	127.5
17.5°	247.8	282.0	301.2	299.1	288.5	270.1	237.4	187.9	170.1	162.0
20°	313.7	334.1	338.5	337.3	332.6	322.0	299.4	246.3	222.2	209.7
22.5°	370.7	365.2	358.8	353.6	352.3	355.4	352.3	311.3	292.4	270.4
25°	409.3	378.5	359.0	349.7	354.1	372.0	391.4	376.1	361.1	338.3
27.5°	430.3	376.9	348.9	339.3	346.8	372.2	414.5	440.4	424.9	414.0
30°	441.7	375.6	342.4	333.1	344.5	376.4	430.6	500.6	501.1	483.7
32.5°	458.0	383.9	343.7	335.2	350.5	388.8	450.8	561.7	576.8	567.4
35°	476.5	396.6	349.7	341.9	360.8	405.4	473.3	623.4	654.8	651.7
37.5°	493.8	410.9	363.7	356.2	376.7	419.7	495.1	684.1	727.6	738.5
40°	512.0	430.8	406.7	414.0	425.4	442.2	514.6	736.7	807.7	824.1
42.5°	554.7	500.0	536.9	550.6	552.1	517.4	557.1	804.1	886.5	906.0
45°	650.1	623.2	728.7	748.1	738.0	632.8	659.5	901.3	996.7	1006.6
47.5°	770.7	783.1	991.3	1058.4	997.8	768.9	783.6	1105.9	1198.4	1194.8
50°	911.2	970.0	1289.4	1447.8	1302.6	945.7	926.7	1357.3	1469.5	1458.4
52.5°	1077.3	1187.2	1647.6	1872.6	1735.2	1144.5	1136.7	1690.4	1758.8	1723.3
55°	1286.5	1397.0	2059.8	2374.2	2178.8	1387.1	1413.8	2076.6	2089.9	1977.1
57.5°	1598.6	1670.4	2545.6	2949.5	2641.8	1716.8	1910.5	2590.7	2432.6	2219.0
60°	2165.3	2022.2	3015.0	3537.9	3134.3	2180.6	2565.5	2895.3	2546.6	2252.1
62.5°	2362.6	2320.8	3309.0	3786.7	3465.6	2561.4	2735.9	2722.6	2398.9	2126.7
65°	2063.7	2246.4	3256.4	3655.3	3423.1	2498.7	2455.1	2532.1	2232.4	1936.1
67.5°	1906.3	2071.7	3057.0	3292.7	3187.4	2285.8	2188.4	2167.4	1874.2	1638.3
70°	1747.7	1911.5	2768.0	2797.3	2748.3	1939.0	1810.9	1670.2	1400.8	1195.8
72.5°	1556.9	1647.1	2367.0	2228.0	2172.6	1522.9	1496.0	1257.8	1050.1	874.1
75°	1357.8	1331.6	1845.4	1529.2	1570.6	1184.9	1263.5	923.6	769.4	629.1
77.5°	987.6	968.2	1236.0	928.8	1028.6	776.1	697.3	368.6	351.0	302.8
80°	551.1	664.4	667.5	520.5	649.4	506.0	174.5	12.2	7.8	11.4
82.5°	256.1	285.7	361.9	241.3	370.4	250.7	36.0	0.0	0.0	0.0
85°	83.0	121.3	101.6	35.5	89.7	84.8	6.0	0.0	0.0	0.0
87.5°	4.9	10.1	2.6	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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