

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: P629351

Luminaire Tested: GWS-SA1B-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

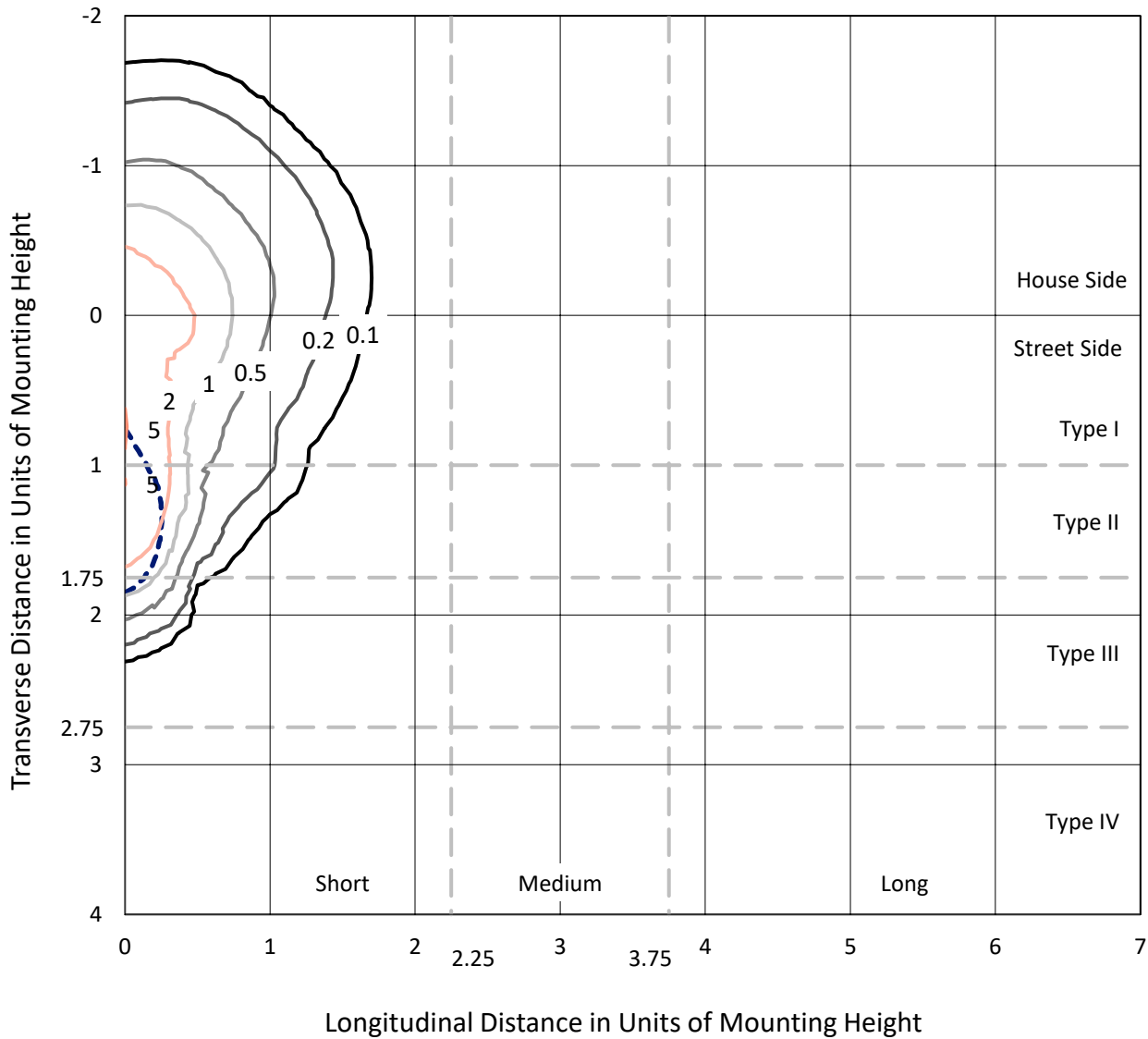
Lumens per Lamp: N/A  
Luminaire Lumens: 1921.8 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

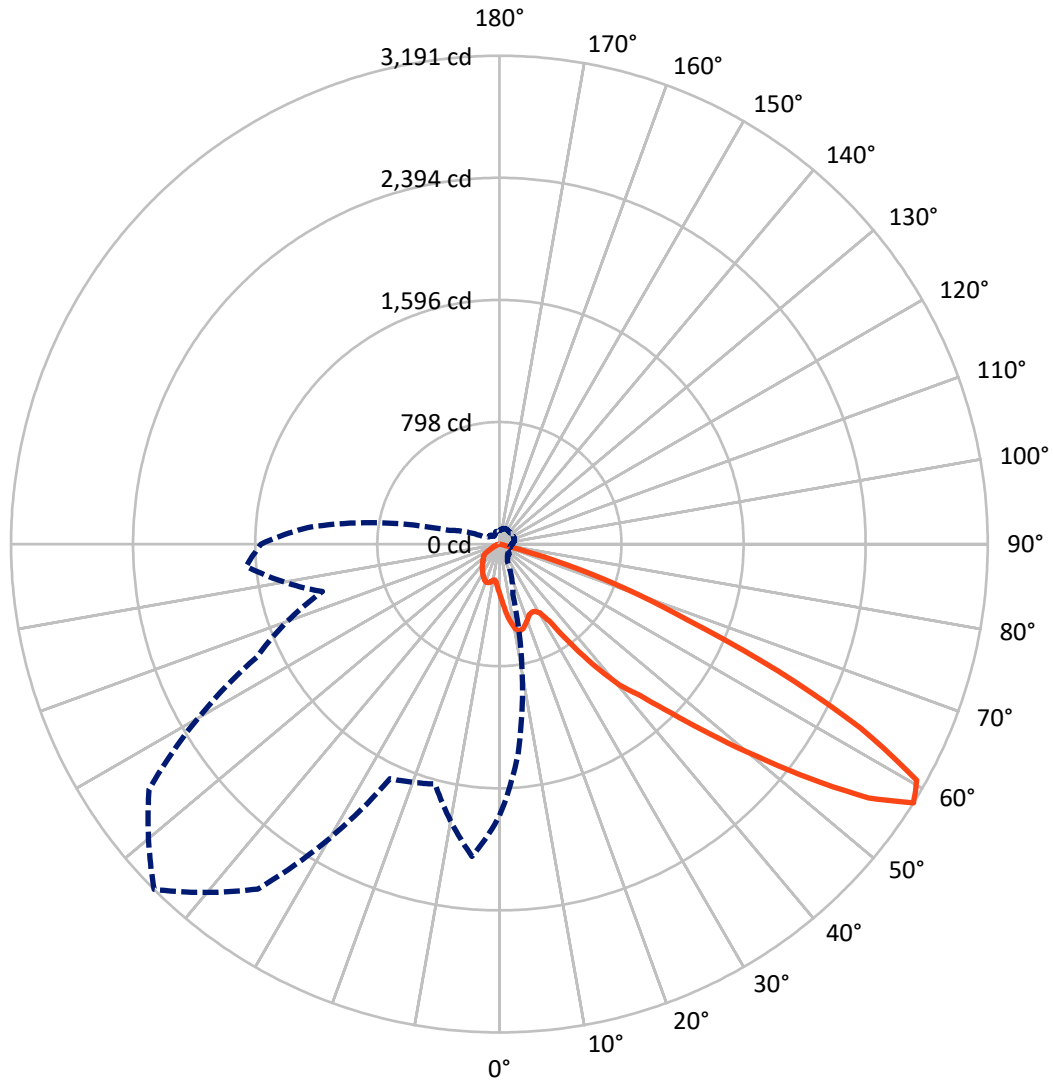
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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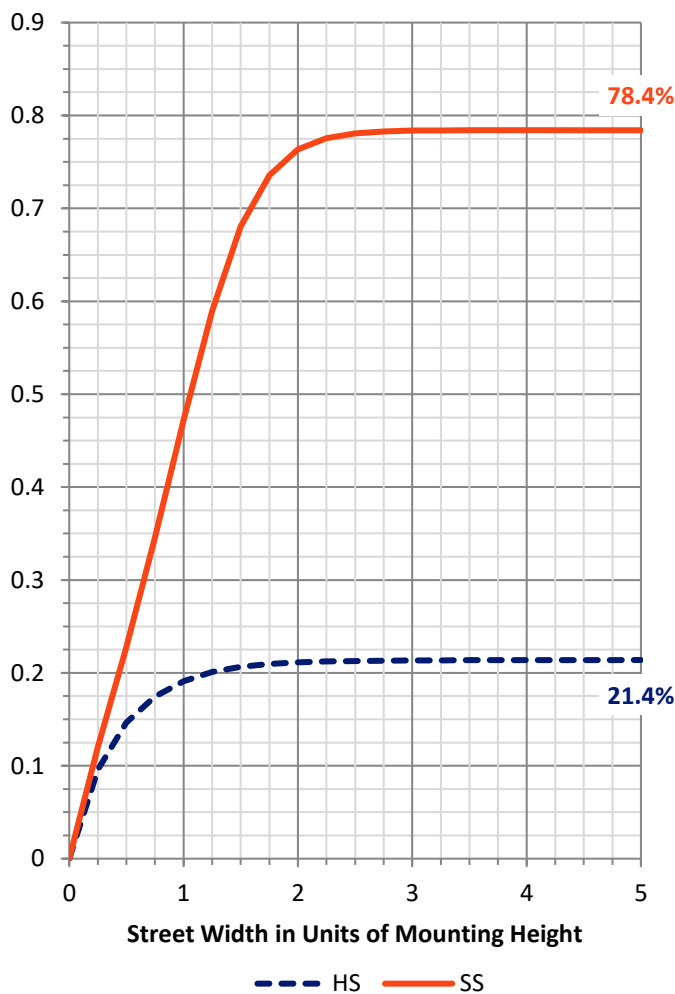
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	414.0	0.0	414.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	1507.8	0.0	1507.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	1921.8	0.0	1921.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.3	1.7
10°-20°	106.2	5.5
20°-30°	172.4	9.0
30°-40°	264.5	13.8
40°-50°	422.5	22.0
50°-60°	591.5	30.8
60°-70°	303.3	15.8
70°-80°	29.2	1.5
80°-90°	0.0	0.0
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°	1921.8	100.0
0°-180°	1921.8	100.0

**Coefficient of Utilization**



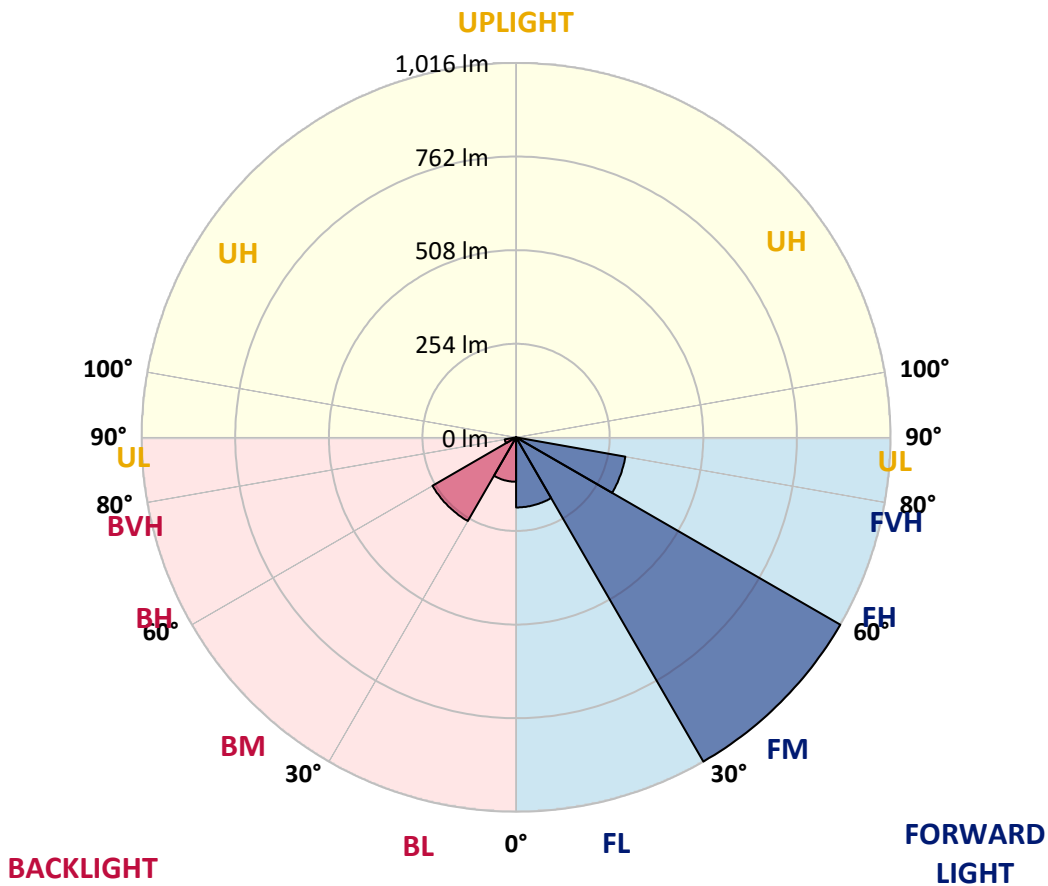
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.3	9.9			
FM (30°-60°)	1016.3	52.9			
FH (60°-80°)	301.2	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	120.6	6.3	B1/500		
BM (30°-60°)	262.2	13.6	B1/1000		
BH (60°-80°)	31.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5
2.5°	362.8	362.0	359.4	350.7	345.3	336.8	330.7	322.7	314.0	308.6	303.2
5°	401.3	399.2	392.3	372.3	356.9	340.2	326.8	312.2	296.5	286.2	276.7
7.5°	438.3	435.2	426.0	392.1	368.7	344.8	325.8	304.4	282.4	266.9	255.1
10°	474.5	467.6	452.9	411.3	379.7	350.9	328.6	304.2	278.2	258.7	245.6
12.5°	504.3	499.2	479.2	429.6	389.0	352.2	324.7	302.1	284.7	271.6	259.5
15°	530.0	524.4	505.4	446.0	396.9	347.1	308.6	288.8	291.6	296.7	286.5
17.5°	553.7	547.7	527.2	459.6	400.0	334.5	285.9	276.4	292.1	311.4	307.5
20°	578.1	571.4	546.2	470.7	399.0	314.7	263.1	265.9	288.0	310.1	312.2
22.5°	606.6	599.6	570.4	484.8	398.2	291.1	243.3	256.7	280.3	299.1	302.6
25°	644.3	636.1	604.0	505.6	400.3	269.5	229.2	247.7	267.2	284.2	286.2
27.5°	694.2	683.7	642.8	531.3	404.6	252.6	223.0	235.3	250.5	265.7	267.5
30°	759.2	745.8	687.3	553.7	402.6	240.7	218.9	223.0	232.0	244.3	244.6
32.5°	835.2	817.0	737.1	572.9	384.9	232.0	213.2	210.4	212.5	222.0	223.8
35°	924.6	901.0	792.1	591.2	352.5	215.0	203.0	193.5	192.7	197.3	201.7
37.5°	1027.2	998.9	861.4	614.5	314.2	197.3	187.8	178.3	174.2	176.5	183.2
40°	1121.7	1090.4	933.9	642.8	275.2	181.4	170.1	160.3	155.4	156.2	164.4
42.5°	1232.7	1200.3	1022.5	679.8	242.8	170.6	151.6	141.6	135.1	138.7	148.2
45°	1401.2	1364.5	1151.8	711.9	217.1	168.0	135.4	121.3	118.2	124.3	135.7
47.5°	1631.4	1586.5	1329.3	731.4	195.3	170.3	124.1	104.8	105.6	112.5	123.8
50°	1859.8	1811.3	1534.6	705.8	177.3	165.7	118.4	92.0	96.9	103.0	113.3
52.5°	2016.8	1953.6	1634.5	631.5	160.8	148.2	117.9	79.9	89.2	91.2	99.9
55°	2023.0	1945.1	1583.4	497.9	138.5	125.1	112.5	69.9	80.7	81.4	88.9
57.5°	1773.2	1702.8	1383.8	342.0	123.1	91.7	89.7	61.1	66.3	72.7	77.3
60°	1349.1	1289.2	1034.9	156.7	93.5	58.3	61.4	52.7	49.6	59.1	63.7
62.5°	826.2	788.0	620.7	69.4	59.6	31.1	37.3	41.9	37.3	40.8	44.7
65°	328.1	311.1	235.6	29.5	24.4	15.7	17.0	24.4	26.2	28.8	32.4
67.5°	57.0	54.0	39.6	13.1	10.0	9.5	8.2	11.3	15.9	17.7	20.6
70°	7.5	7.2	6.4	5.4	5.1	4.6	3.6	7.2	10.8	11.3	13.1
72.5°	1.8	1.5	1.5	1.3	1.5	0.5	0.5	3.9	7.7	8.0	9.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.9	5.4	6.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5
2.5°	298.8	293.7	291.9	289.3	285.9	287.0	282.4	280.8	283.1	286.2	285.4
5°	271.6	265.9	262.1	256.1	255.1	252.8	251.3	249.2	251.8	255.4	256.1
7.5°	250.0	245.1	241.2	239.4	238.2	237.1	234.1	232.5	232.5	234.1	235.3
10°	240.7	237.1	236.4	236.9	238.9	238.7	235.9	233.8	231.2	229.9	231.5
12.5°	253.6	247.7	246.6	246.9	249.5	249.2	246.1	243.6	243.0	243.6	248.4
15°	275.4	266.4	259.7	258.5	259.7	259.2	256.9	255.4	256.1	263.6	271.8
17.5°	294.9	281.1	269.0	264.4	264.1	263.3	261.0	260.5	264.4	278.2	290.3
20°	300.6	287.0	269.8	263.9	262.6	261.8	259.2	260.0	264.9	281.6	291.9
22.5°	293.1	280.0	262.1	256.1	255.1	254.9	252.3	253.3	257.4	272.1	280.6
25°	279.0	268.0	249.2	244.1	244.1	243.6	241.2	241.8	244.3	257.2	265.4
27.5°	261.8	251.3	235.6	230.5	231.2	232.0	229.2	228.4	230.5	242.5	247.4
30°	242.0	234.6	222.2	217.6	217.4	220.4	216.6	215.6	218.4	227.9	228.9
32.5°	222.7	219.2	210.4	206.8	207.1	207.6	205.5	205.5	208.1	213.2	213.0
35°	204.0	201.7	200.1	197.6	197.3	196.3	196.3	196.8	199.6	201.4	198.1
37.5°	186.0	188.3	190.1	187.5	185.5	185.5	185.5	187.8	190.4	189.6	184.0
40°	170.1	175.0	180.6	177.8	172.9	172.6	173.7	177.5	181.4	176.8	171.6
42.5°	156.5	162.6	170.6	169.1	163.7	162.9	163.7	168.5	171.6	165.7	160.1
45°	143.1	150.8	160.3	160.3	154.4	153.6	153.9	160.3	162.1	155.2	148.0
47.5°	131.8	140.3	150.3	150.3	145.4	143.9	145.2	151.8	153.1	143.4	136.7
50°	121.0	130.3	141.3	140.5	137.2	135.9	138.2	145.4	143.9	133.1	126.1
52.5°	107.4	117.2	132.3	133.1	131.3	131.5	134.4	139.0	134.6	121.5	115.6
55°	95.1	105.1	120.2	124.3	124.3	124.1	125.4	129.0	125.4	109.7	102.5
57.5°	81.7	90.2	102.8	103.8	104.6	101.7	103.5	108.4	106.6	93.3	89.2
60°	67.1	74.2	81.4	82.2	78.9	73.0	76.3	82.0	83.2	73.2	68.6
62.5°	47.5	54.5	62.9	62.9	59.6	53.7	58.1	62.9	61.1	50.9	48.0
65°	35.5	41.9	48.3	51.1	48.3	44.2	47.5	51.1	48.3	39.8	35.7
67.5°	22.9	27.2	31.1	33.4	33.9	33.4	34.9	33.9	30.6	24.9	22.6
70°	13.9	16.2	18.2	20.3	21.8	22.6	23.4	21.1	17.7	14.6	13.9
72.5°	10.0	12.1	13.9	15.4	17.2	17.7	17.7	16.2	13.1	10.3	9.5
75°	6.9	8.7	10.3	11.3	12.8	13.4	13.4	12.1	9.8	7.5	6.7
77.5°	0.3	1.8	1.8	1.5	2.1	2.6	2.6	3.1	2.8	2.1	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5
2.5°	287.0	296.2	298.8	308.3	316.8	325.3	335.5	341.7	350.9	357.4	361.0
5°	258.7	266.4	275.7	289.8	304.4	320.6	340.2	357.1	378.4	394.1	399.2
7.5°	238.2	248.2	259.0	276.7	296.7	318.3	345.8	373.6	406.2	427.5	441.1
10°	234.3	244.6	259.0	276.4	297.5	322.2	355.8	391.8	432.6	458.6	474.0
12.5°	252.8	263.9	270.0	278.0	293.9	321.4	364.6	410.3	458.3	486.6	503.0
15°	280.0	289.8	279.8	269.8	280.0	313.2	369.4	425.7	480.9	513.6	530.5
17.5°	298.8	299.6	277.7	256.4	259.2	298.3	371.2	441.1	505.1	539.3	557.0
20°	297.0	290.8	268.7	245.1	236.4	279.0	369.2	454.7	529.5	565.2	582.7
22.5°	283.1	275.9	257.2	234.1	217.1	256.1	365.6	467.1	551.9	592.5	608.9
25°	266.4	258.7	243.3	223.0	204.8	234.1	362.8	484.0	580.1	627.9	640.8
27.5°	246.9	240.2	227.1	212.5	199.6	217.4	362.0	506.4	614.3	671.1	680.1
30°	227.9	221.7	211.4	203.0	197.6	207.6	359.4	530.3	655.1	720.7	730.4
32.5°	209.6	203.5	197.1	195.8	196.0	204.0	350.7	553.9	703.7	792.6	799.8
35°	194.0	186.8	184.2	187.3	192.9	197.8	326.0	573.4	755.9	871.0	876.9
37.5°	179.1	171.9	171.6	179.1	185.2	188.3	297.0	592.7	826.2	950.6	958.0
40°	165.5	158.3	160.8	169.8	174.7	176.2	261.8	622.0	900.8	1034.6	1030.5
42.5°	153.9	146.4	148.0	159.5	163.9	168.0	229.4	646.4	972.4	1114.3	1113.0
45°	142.6	136.9	135.9	148.5	152.4	168.8	205.8	665.2	1064.7	1215.7	1217.8
47.5°	131.5	127.2	127.4	132.8	142.3	172.6	185.8	677.5	1198.5	1376.6	1340.9
50°	121.5	118.2	121.0	114.8	135.9	167.8	168.5	674.9	1348.0	1530.7	1459.0
52.5°	110.5	109.7	111.0	96.1	125.6	148.0	152.4	640.8	1418.2	1636.1	1595.2
55°	99.2	98.9	88.6	76.8	105.1	118.2	130.5	534.6	1415.9	1692.1	1741.6
57.5°	85.8	83.8	67.3	62.7	81.7	82.2	119.0	350.2	1254.8	1557.9	1660.7
60°	65.0	63.5	49.3	50.9	57.0	52.7	94.8	174.4	937.7	1213.7	1329.5
62.5°	45.0	42.9	36.7	39.3	36.7	30.1	58.1	86.3	568.0	766.4	871.5
65°	32.9	30.6	25.2	21.6	17.2	17.2	22.1	33.1	219.9	325.8	392.8
67.5°	20.3	19.3	14.9	10.8	10.5	11.3	11.6	16.4	35.5	56.5	69.1
70°	13.1	12.1	10.0	6.9	6.4	6.7	6.9	7.7	9.0	9.8	11.8
72.5°	9.0	8.5	7.2	3.9	3.1	3.3	3.6	3.6	4.4	4.1	4.9
75°	6.4	5.9	5.1	1.8	1.0	1.3	1.5	1.3	1.5	1.0	1.3
77.5°	1.8	1.8	1.3	0.3	0.0	0.3	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.5
2.5°	370.2	376.1	378.4	375.1	377.9	373.3	371.5	364.6	364.1	362.8
5°	420.1	433.4	441.4	446.3	440.6	434.4	425.2	409.3	404.4	401.3
7.5°	469.1	489.9	503.6	510.0	508.4	495.9	479.2	452.4	442.9	438.3
10°	511.8	537.2	553.7	561.6	558.3	547.2	523.3	489.9	477.4	474.5
12.5°	541.6	565.0	576.3	583.2	583.5	579.1	556.5	522.8	507.9	504.3
15°	560.3	570.4	570.6	574.7	581.9	591.7	581.1	551.3	535.4	530.0
17.5°	572.2	561.1	549.8	550.8	562.6	588.6	599.4	576.5	559.6	553.7
20°	580.6	545.7	524.6	524.9	537.0	576.3	612.0	600.9	583.5	578.1
22.5°	586.0	532.1	502.0	501.2	514.1	561.6	623.5	630.0	612.7	606.6
25°	597.1	525.7	488.4	492.8	504.1	557.0	639.2	668.5	652.6	644.3
27.5°	616.9	532.1	487.1	497.1	510.0	570.6	666.4	719.9	703.4	694.2
30°	651.0	556.2	506.9	520.8	536.2	606.3	712.2	791.6	767.9	759.2
32.5°	706.0	606.3	568.0	597.8	612.7	664.9	780.8	872.0	852.7	835.2
35°	781.8	720.7	716.3	785.7	782.1	775.9	865.0	970.6	941.6	924.6
37.5°	886.1	904.6	937.0	1005.8	1003.5	956.5	975.8	1063.9	1049.0	1027.2
40°	1016.4	1055.7	1110.7	1209.3	1178.5	1119.4	1111.7	1159.5	1147.4	1121.7
42.5°	1093.2	1161.0	1265.8	1354.5	1329.8	1226.5	1217.8	1287.2	1260.7	1232.7
45°	1128.9	1246.8	1452.4	1572.3	1497.6	1297.7	1294.4	1453.6	1438.7	1401.2
47.5°	1145.3	1333.4	1670.7	1852.4	1712.6	1360.1	1348.0	1695.1	1675.6	1631.4
50°	1163.6	1452.9	1933.8	2176.9	1972.4	1430.8	1439.5	1920.2	1912.0	1859.8
52.5°	1203.7	1579.3	2257.8	2547.9	2287.3	1541.5	1596.5	2132.4	2076.9	2016.8
55°	1263.8	1717.0	2594.9	2926.8	2608.7	1690.3	1766.3	2245.2	2089.5	2023.0
57.5°	1197.2	1751.4	2794.5	3191.4	2751.3	1690.8	1622.7	2049.7	1837.7	1773.2
60°	950.1	1629.4	2717.7	3134.1	2629.8	1501.4	1242.5	1600.3	1392.2	1349.1
62.5°	642.3	1366.5	2392.4	2650.6	2250.9	1181.1	807.5	1040.8	862.0	826.2
65°	352.0	1019.4	1933.0	2005.2	1761.7	825.0	415.4	451.7	344.0	328.1
67.5°	97.1	709.6	1422.3	1330.3	1236.0	537.2	107.4	80.7	57.5	57.0
70°	24.4	469.4	852.2	878.4	757.9	344.0	20.6	9.8	7.7	7.5
72.5°	10.3	201.9	404.4	464.8	387.9	159.3	7.5	2.8	2.3	1.8
75°	1.3	16.2	34.4	52.2	35.7	17.2	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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
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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