

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: P634411

Luminaire Tested: GWS-SA3B-760-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634411  
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-SA3B-760-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

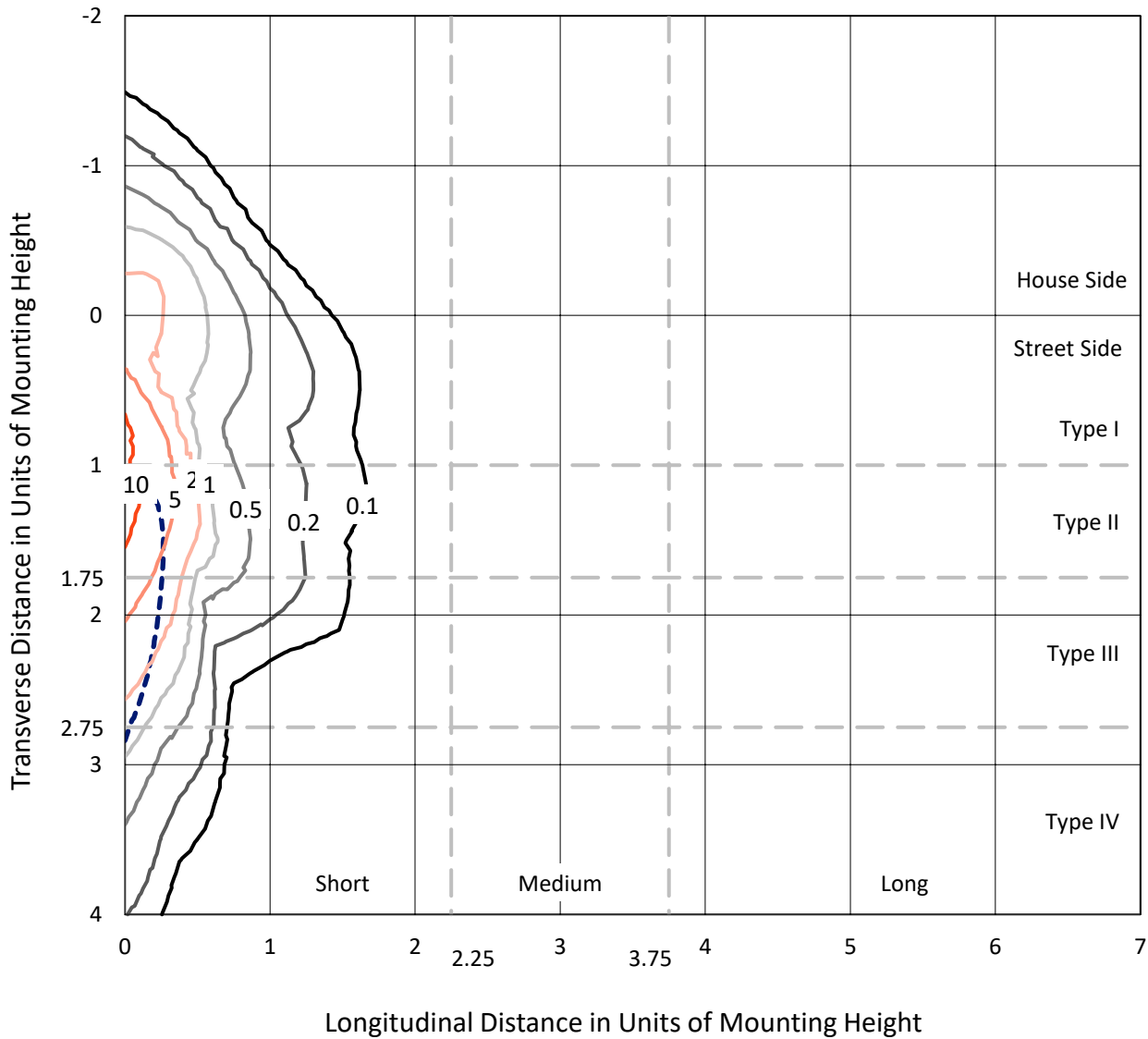
Lumens per Lamp: N/A  
Luminaire Lumens: 6353.8 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

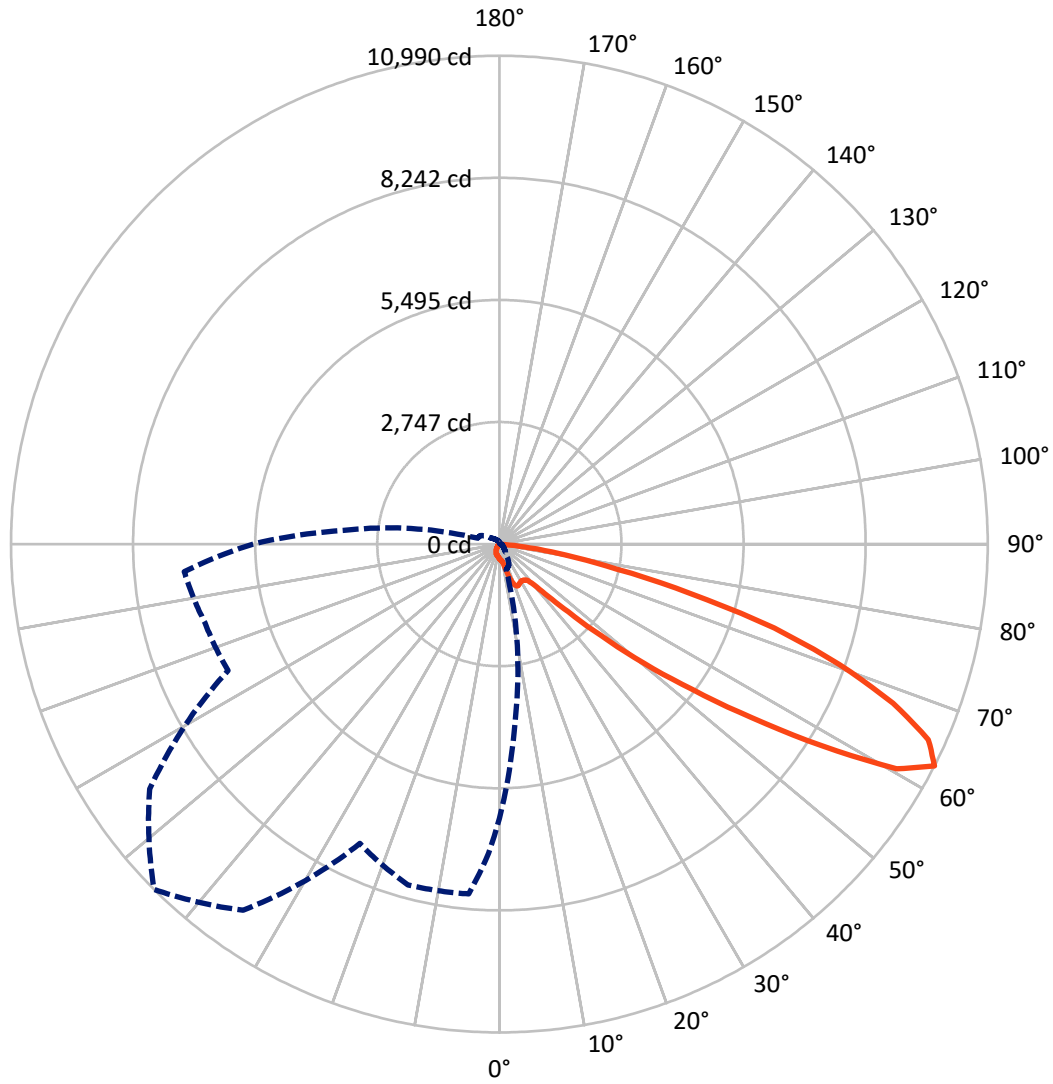
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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	738.2	0.0	738.2
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	5615.6	0.0	5615.6
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	6353.8	0.0	6353.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	0.4
10°-20°	97.5	1.5
20°-30°	220.3	3.5
30°-40°	379.6	6.0
40°-50°	716.0	11.3
50°-60°	1598.7	25.2
60°-70°	2138.2	33.7
70°-80°	1072.2	16.9
80°-90°	102.8	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°	6353.8	100.0
0°-180°	6353.8	100.0

**Coefficient of Utilization**



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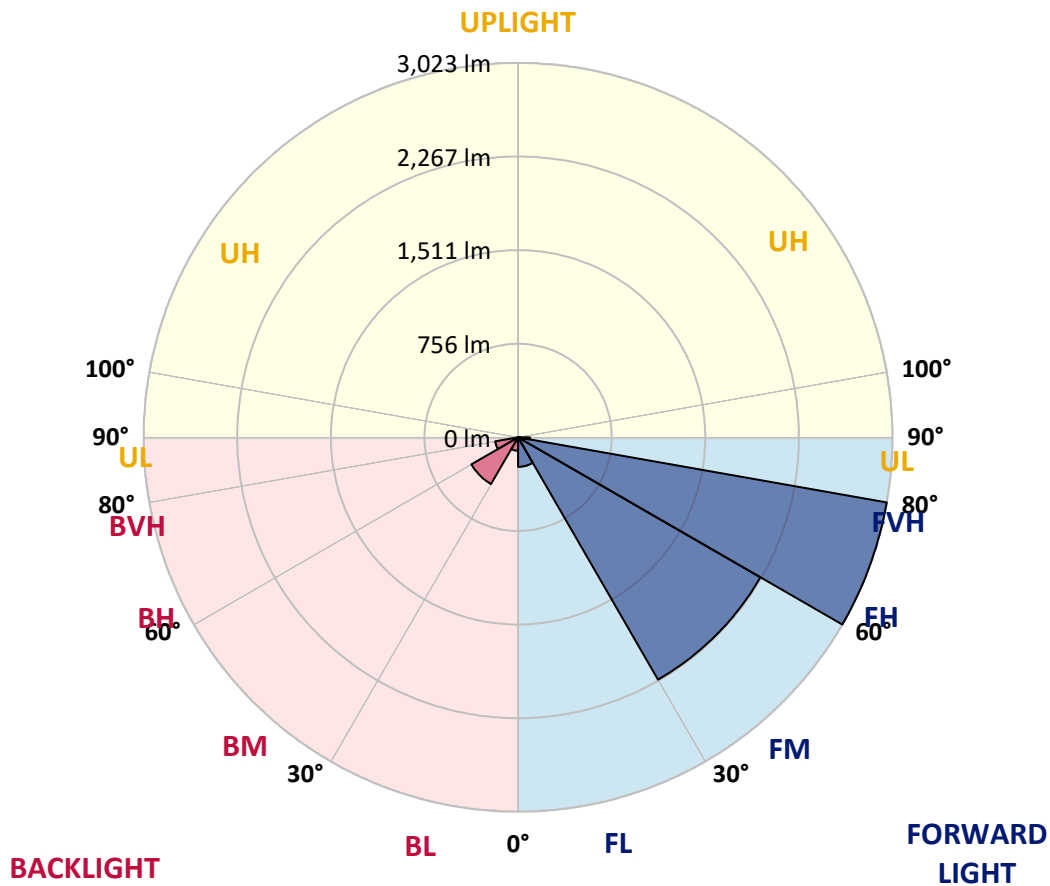
CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.0	3.7			
FM (30°-60°)	2259.0	35.6			
FH (60°-80°)	3022.7	47.6			G2/5000
FVH (80°-90°)	95.9	1.5			G1/100
BL (0°-30°)	108.4	1.7	B0/110		
BM (30°-60°)	435.3	6.9	B1/1000		
BH (60°-80°)	187.7	3.0	B1/500		G1/500
BVH (80°-90°)	6.8	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5
2.5°	325.8	325.0	323.5	319.0	315.2	313.0	308.5	308.5	307.7	306.2	303.2
5°	315.2	312.2	309.2	300.9	291.9	286.6	280.6	279.9	279.9	278.4	277.6
7.5°	298.7	295.7	291.9	278.4	270.1	264.8	259.6	258.8	256.5	256.5	256.5
10°	289.6	285.1	279.1	264.1	255.8	251.3	247.5	245.3	243.8	241.5	240.7
12.5°	309.2	300.9	288.1	261.1	249.8	243.8	239.2	237.7	233.2	230.2	228.0
15°	370.1	349.8	324.3	267.8	247.5	238.5	232.5	229.5	225.7	220.4	216.7
17.5°	470.2	440.9	398.0	289.6	245.3	234.0	226.4	221.2	215.9	209.9	205.4
20°	608.6	565.0	513.8	329.5	245.3	228.7	219.7	212.9	205.4	198.6	193.3
22.5°	784.7	741.0	653.8	397.2	248.3	221.9	211.4	202.4	193.3	187.3	181.3
25°	981.8	920.1	838.8	479.2	256.5	212.9	201.6	192.6	184.3	176.8	170.0
27.5°	1201.5	1134.5	1026.2	595.8	274.6	203.9	191.1	182.8	175.3	167.8	158.7
30°	1403.8	1364.0	1253.4	735.8	303.9	197.9	182.8	175.3	167.8	158.0	149.7
32.5°	1646.8	1576.1	1485.1	895.3	343.1	191.8	176.0	165.5	159.5	150.5	141.4
35°	1891.3	1831.2	1711.5	1091.6	386.7	185.8	167.8	158.0	152.7	142.2	132.4
37.5°	2143.4	2129.8	2011.7	1309.0	429.6	179.1	158.0	152.0	146.7	134.7	123.4
40°	2391.6	2366.8	2257.7	1557.3	455.9	171.5	149.7	146.0	139.9	126.4	113.6
42.5°	2629.4	2610.6	2504.5	1795.0	452.1	164.8	141.4	136.9	132.4	118.9	103.1
45°	2921.3	2890.4	2756.5	1971.1	413.8	172.3	133.2	125.6	124.9	112.1	92.5
47.5°	3467.5	3365.9	3138.7	2106.5	375.4	191.8	124.1	115.1	120.4	105.3	82.0
50°	4232.6	4112.9	3784.2	2211.8	374.7	217.4	122.6	105.3	116.6	100.1	73.0
52.5°	5001.4	4790.8	4391.3	2268.3	402.5	236.2	136.2	95.5	112.1	94.8	66.2
55°	5738.0	5300.9	4645.6	2081.7	424.3	256.5	161.0	90.3	103.8	88.8	62.4
57.5°	6439.9	5710.9	4756.2	1646.8	497.3	264.8	176.0	92.5	91.8	81.3	59.4
60°	6536.2	5691.3	4532.7	957.7	548.4	250.5	170.0	103.1	80.5	72.2	54.2
62.5°	6172.1	5312.9	4023.4	597.3	509.3	245.3	151.2	117.4	73.0	63.9	47.4
65°	5619.1	4719.3	3354.6	385.2	385.9	272.3	132.4	115.1	68.5	56.4	40.6
67.5°	4754.7	3949.7	2642.9	258.0	218.2	232.5	115.9	79.0	67.0	48.1	31.6
70°	3470.5	2811.4	1720.6	172.3	130.2	185.8	97.0	56.4	63.2	39.9	22.6
72.5°	2536.8	1889.1	960.7	112.8	73.7	108.3	71.5	40.6	48.9	29.3	15.8
75°	1825.9	1300.0	548.4	72.2	48.9	59.4	46.6	27.8	31.6	23.3	14.3
77.5°	878.7	633.5	249.0	39.9	33.1	30.1	24.8	17.3	19.6	21.1	12.8
80°	33.1	24.8	18.8	19.6	21.1	13.5	11.3	9.0	11.3	14.3	6.8
82.5°	0.0	0.0	0.0	2.3	3.0	3.8	4.5	3.8	4.5	5.3	0.8
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°	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5
2.5°	305.4	303.9	305.4	306.9	308.5	310.0	307.7	309.2	310.7	306.9	308.5
5°	281.4	280.6	285.1	287.4	290.4	291.9	290.4	290.4	289.6	285.1	285.1
7.5°	260.3	261.1	264.8	270.1	273.8	276.1	274.6	273.8	271.6	264.8	264.8
10°	244.5	244.5	250.5	255.0	260.3	262.6	261.1	258.8	256.5	249.8	249.0
12.5°	231.7	231.7	236.2	243.8	249.8	252.8	252.0	249.0	245.3	238.5	237.7
15°	219.7	218.9	225.7	232.5	240.7	244.5	243.0	240.7	234.0	228.0	226.4
17.5°	207.6	206.9	212.9	221.9	231.0	236.2	235.5	230.2	224.2	216.7	215.2
20°	195.6	194.1	201.6	210.7	219.7	224.9	223.4	218.9	211.4	203.9	202.4
22.5°	183.6	182.8	188.1	195.6	203.9	208.4	207.6	203.9	196.4	189.6	189.6
25°	170.0	170.0	173.8	179.1	185.1	187.3	188.1	186.6	182.1	178.3	178.3
27.5°	158.7	156.5	158.0	159.5	162.5	166.3	166.3	167.8	168.5	167.0	167.8
30°	149.7	146.0	143.7	140.7	139.2	140.7	142.2	147.5	152.7	155.7	157.2
32.5°	139.2	134.7	128.6	120.4	115.1	113.6	118.1	127.9	137.7	144.4	148.2
35°	128.6	122.6	111.3	99.3	92.5	90.3	95.5	106.8	121.1	133.2	138.4
37.5°	118.1	109.8	94.0	79.7	72.2	70.7	76.0	88.0	104.6	121.1	127.9
40°	106.1	96.3	77.5	62.4	56.4	54.9	59.4	71.5	88.8	107.6	118.1
42.5°	94.0	82.0	62.4	49.7	43.6	43.6	49.7	58.7	74.5	94.8	107.6
45°	82.0	69.2	51.2	39.9	36.1	36.9	40.6	49.7	62.4	83.5	95.5
47.5°	70.7	59.4	42.1	33.1	30.1	30.8	35.4	42.9	53.4	72.2	85.0
50°	60.9	50.4	36.9	27.8	25.6	27.1	31.6	38.4	47.4	63.9	74.5
52.5°	54.9	45.1	33.9	24.1	22.6	24.1	28.6	34.6	42.9	56.4	67.0
55°	51.9	44.4	33.9	21.8	19.6	21.1	25.6	31.6	38.4	51.2	60.2
57.5°	51.2	45.9	36.1	19.6	16.6	18.1	22.6	28.6	35.4	46.6	54.2
60°	48.1	43.6	35.4	15.8	12.8	15.0	18.8	24.8	32.3	43.6	50.4
62.5°	42.1	38.4	30.8	12.8	9.8	11.3	15.8	21.8	29.3	39.9	47.4
65°	34.6	30.8	24.1	8.3	6.0	7.5	12.0	18.8	25.6	36.1	42.9
67.5°	25.6	21.8	16.6	5.3	3.0	5.3	9.8	15.8	23.3	32.3	39.1
70°	15.8	12.8	9.0	3.0	2.3	4.5	9.0	15.0	21.1	30.1	36.9
72.5°	9.0	6.0	3.8	1.5	2.3	4.5	9.0	15.0	20.3	28.6	34.6
75°	6.8	3.8	1.5	0.8	1.5	3.8	8.3	13.5	19.6	27.1	33.1
77.5°	4.5	2.3	0.8	0.0	0.8	3.0	7.5	12.8	18.1	25.6	31.6
80°	0.8	0.0	0.0	0.0	0.0	2.3	6.8	11.3	16.6	22.6	27.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	5.3	9.8	14.3	18.8	22.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.5	11.3	14.3	15.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.5	9.0	10.5
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°	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5
2.5°	307.7	312.2	312.2	315.2	319.0	325.8	329.5	334.8	338.5	342.3	343.8
5°	284.4	285.1	285.9	287.4	291.9	299.4	306.2	314.5	324.3	331.8	336.3
7.5°	264.8	264.8	264.8	267.1	271.6	276.9	283.6	294.9	306.2	315.2	322.7
10°	248.3	250.5	251.3	255.0	260.3	267.1	274.6	284.4	297.2	309.2	322.7
12.5°	237.7	240.0	243.8	247.5	252.8	260.3	268.6	281.4	307.7	332.5	361.1
15°	228.0	231.0	235.5	240.7	246.8	255.0	264.1	290.4	352.1	398.7	443.9
17.5°	217.4	221.9	228.0	233.2	240.7	249.8	261.1	312.2	433.3	510.8	587.6
20°	203.9	209.9	216.7	224.9	234.0	244.5	261.1	357.4	550.7	662.0	763.6
22.5°	191.1	197.1	205.4	215.9	226.4	237.0	264.8	425.8	701.9	842.6	971.2
25°	180.6	188.1	196.4	205.4	217.4	229.5	273.8	522.1	884.0	1065.3	1156.3
27.5°	170.8	179.8	188.1	195.6	206.1	219.7	294.2	650.8	1099.1	1283.5	1354.9
30°	161.0	171.5	179.8	187.3	197.9	212.2	325.0	814.8	1338.4	1517.4	1525.0
32.5°	152.7	162.5	172.3	179.8	189.6	206.1	367.9	1006.6	1583.6	1756.7	1686.0
35°	143.7	155.0	164.0	172.3	182.8	200.9	417.5	1213.5	1831.2	1976.4	1846.2
37.5°	134.7	147.5	158.7	164.8	175.3	195.6	453.7	1429.4	2083.9	2190.8	1986.9
40°	126.4	140.7	153.5	159.5	164.8	188.8	458.9	1650.6	2340.5	2402.2	2119.3
42.5°	117.4	133.2	144.4	152.7	157.2	184.3	427.3	1837.2	2555.6	2612.8	2292.3
45°	107.6	126.4	135.4	141.4	150.5	187.3	386.7	1981.6	2801.6	2900.2	2577.5
47.5°	97.8	118.9	126.4	130.9	142.9	205.4	371.6	2077.9	3207.2	3411.8	3058.2
50°	88.8	112.1	120.4	119.6	141.4	228.7	388.2	2150.9	3816.5	4057.3	3717.2
52.5°	79.0	104.6	114.4	111.3	152.7	246.8	421.3	2208.8	4285.2	4814.1	4602.7
55°	70.7	96.3	105.3	104.6	173.8	260.3	446.9	1903.4	4479.3	5517.5	5600.3
57.5°	64.7	87.3	94.8	107.6	187.3	260.3	516.8	1351.2	4483.1	6035.1	6924.4
60°	59.4	79.0	84.3	118.1	182.1	246.8	511.6	827.6	4131.8	5999.8	7628.5
62.5°	54.9	71.5	78.2	121.1	161.0	244.5	461.9	513.1	3523.9	5543.1	7117.7
65°	51.2	65.5	75.2	111.3	146.0	261.8	311.5	368.6	2858.1	5022.5	6531.7
67.5°	47.4	60.2	79.7	91.0	132.4	234.0	224.9	261.8	2243.4	4451.5	5993.8
70°	44.4	57.2	84.3	74.5	115.9	182.8	159.5	198.6	1717.6	3714.2	5236.2
72.5°	42.1	53.4	70.7	58.7	94.0	141.4	111.3	144.4	1122.5	2899.5	4268.7
75°	39.9	48.9	51.9	47.4	70.0	92.5	84.3	97.0	668.8	2119.3	3238.7
77.5°	39.1	45.9	42.1	38.4	47.4	54.9	63.9	65.5	326.5	1060.0	1697.2
80°	34.6	41.4	36.1	31.6	32.3	36.1	47.4	43.6	74.5	269.3	452.9
82.5°	27.1	32.3	30.1	26.3	26.3	26.3	31.6	29.3	24.1	121.1	204.6
85°	18.8	22.6	22.6	21.1	20.3	20.3	19.6	18.8	6.8	7.5	11.3
87.5°	12.8	15.8	16.6	15.8	13.5	12.0	10.5	9.0	3.0	0.0	1.5
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°	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5	329.5
2.5°	349.1	351.3	351.3	348.3	346.1	340.0	334.0	328.0	326.5	325.8
5°	349.1	358.1	362.6	361.9	356.6	346.8	334.0	320.5	316.7	315.2
7.5°	343.8	361.1	374.7	376.9	367.1	349.8	326.5	306.2	300.9	298.7
10°	355.8	389.7	416.8	420.5	409.3	375.4	337.8	303.2	294.9	289.6
12.5°	420.5	476.2	509.3	525.1	503.3	460.4	398.0	336.3	317.5	309.2
15°	551.5	630.4	693.6	693.6	673.3	597.3	518.4	418.3	392.7	370.1
17.5°	719.2	818.5	874.2	868.2	837.3	783.9	689.1	545.4	493.5	470.2
20°	910.3	969.7	982.5	978.8	965.2	934.4	868.9	714.7	644.7	608.6
22.5°	1075.8	1060.0	1041.2	1026.2	1022.4	1031.4	1022.4	903.5	848.6	784.7
25°	1187.9	1098.4	1042.0	1014.9	1027.7	1079.6	1136.0	1091.6	1048.0	981.8
27.5°	1248.9	1093.9	1012.6	984.8	1006.6	1080.3	1203.0	1278.2	1233.1	1201.5
30°	1282.0	1090.1	993.8	966.7	999.8	1092.4	1249.6	1452.7	1454.2	1403.8
32.5°	1329.4	1114.2	997.6	972.8	1017.1	1128.5	1308.3	1630.3	1673.9	1646.8
35°	1382.8	1151.1	1014.9	992.3	1047.2	1176.6	1373.7	1809.3	1900.4	1891.3
37.5°	1433.2	1192.4	1055.5	1033.7	1093.1	1218.0	1436.9	1985.4	2111.8	2143.4
40°	1485.8	1250.4	1180.4	1201.5	1234.6	1283.5	1493.4	2138.1	2344.2	2391.6
42.5°	1610.0	1451.2	1558.1	1597.9	1602.4	1501.6	1616.7	2333.7	2572.9	2629.4
45°	1886.8	1808.6	2114.8	2171.2	2141.9	1836.4	1913.9	2615.8	2892.7	2921.3
47.5°	2236.7	2272.8	2876.9	3071.7	2895.7	2231.4	2274.3	3209.4	3478.0	3467.5
50°	2644.4	2815.2	3742.1	4201.7	3780.4	2744.5	2689.6	3939.2	4264.9	4232.6
52.5°	3126.7	3445.6	4781.8	5434.8	5036.0	3321.5	3298.9	4905.9	5104.5	5001.4
55°	3733.8	4054.3	5978.0	6890.5	6323.3	4025.7	4103.2	6026.9	6065.2	5738.0
57.5°	4639.6	4848.0	7387.8	8559.9	7666.9	4982.6	5544.6	7518.7	7059.8	6439.9
60°	6284.1	5868.9	8750.3	10267.7	9096.3	6328.5	7445.7	8402.7	7390.8	6536.2
62.5°	6856.7	6735.5	9603.4	10989.9	10057.8	7433.7	7940.0	7901.6	6962.0	6172.1
65°	5989.2	6519.6	9450.7	10608.5	9934.4	7251.6	7125.2	7348.7	6479.0	5619.1
67.5°	5532.6	6012.6	8872.1	9556.0	9250.6	6634.0	6351.1	6290.2	5439.3	4754.7
70°	5072.2	5547.6	8033.3	8118.3	7976.1	5627.4	5255.7	4847.2	4065.6	3470.5
72.5°	4518.4	4780.3	6869.5	6466.2	6305.2	4419.9	4341.7	3650.3	3047.7	2536.8
75°	3940.7	3864.7	5355.8	4437.9	4558.3	3438.9	3666.8	2680.5	2232.9	1825.9
77.5°	2866.3	2809.9	3587.1	2695.6	2985.2	2252.5	2023.7	1069.8	1018.6	878.7
80°	1599.4	1928.2	1937.2	1510.7	1884.6	1468.5	506.3	35.4	22.6	33.1
82.5°	743.3	829.1	1050.2	700.4	1075.1	727.5	104.6	0.0	0.0	0.0
85°	240.7	352.1	294.9	103.1	260.3	246.0	17.3	0.0	0.0	0.0
87.5°	14.3	29.3	7.5	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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