

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: P628967

Luminaire Tested: GWS-SA1A-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628967  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-760-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

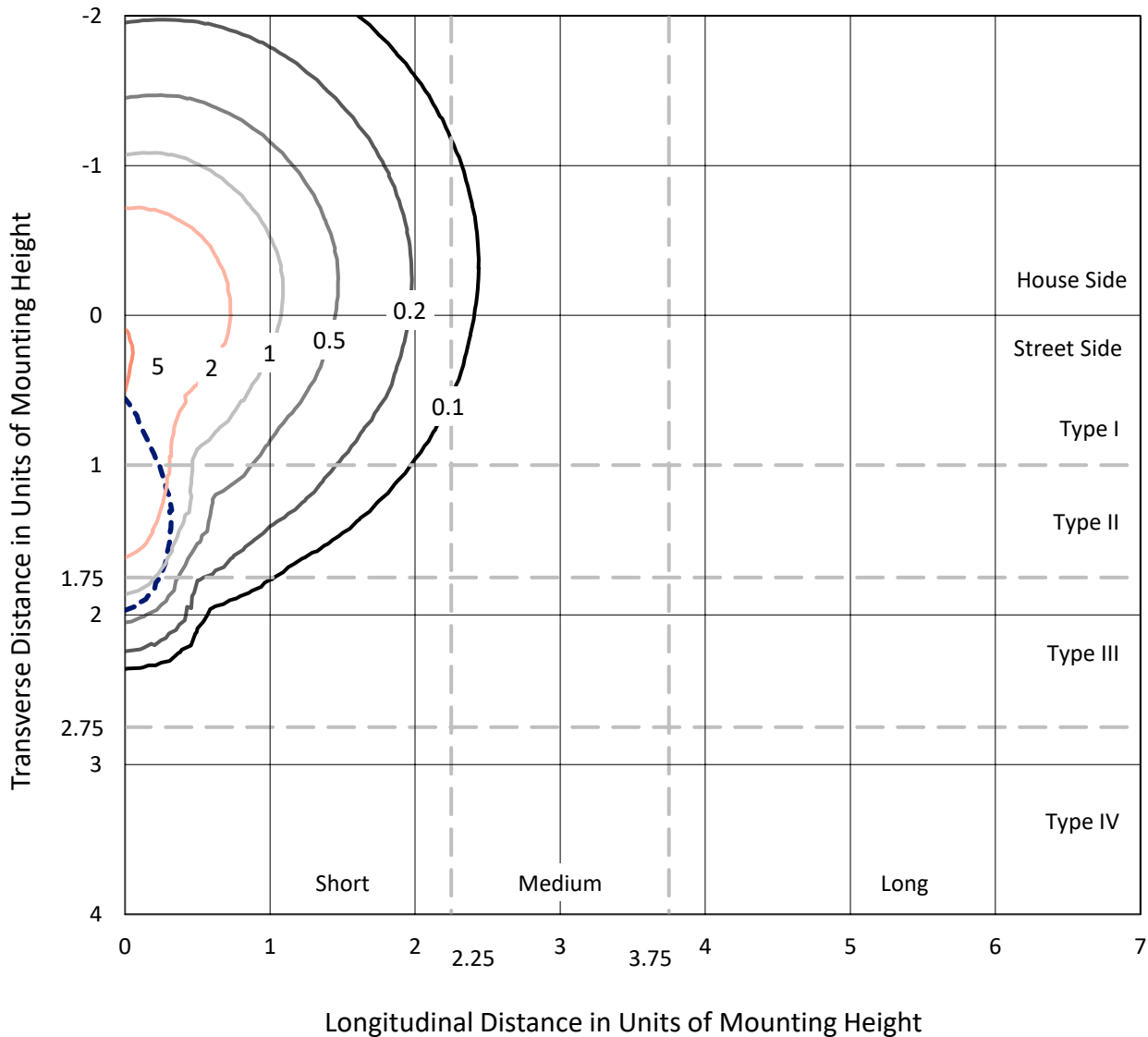
Lumens per Lamp: N/A  
Luminaire Lumens: 2233.2 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

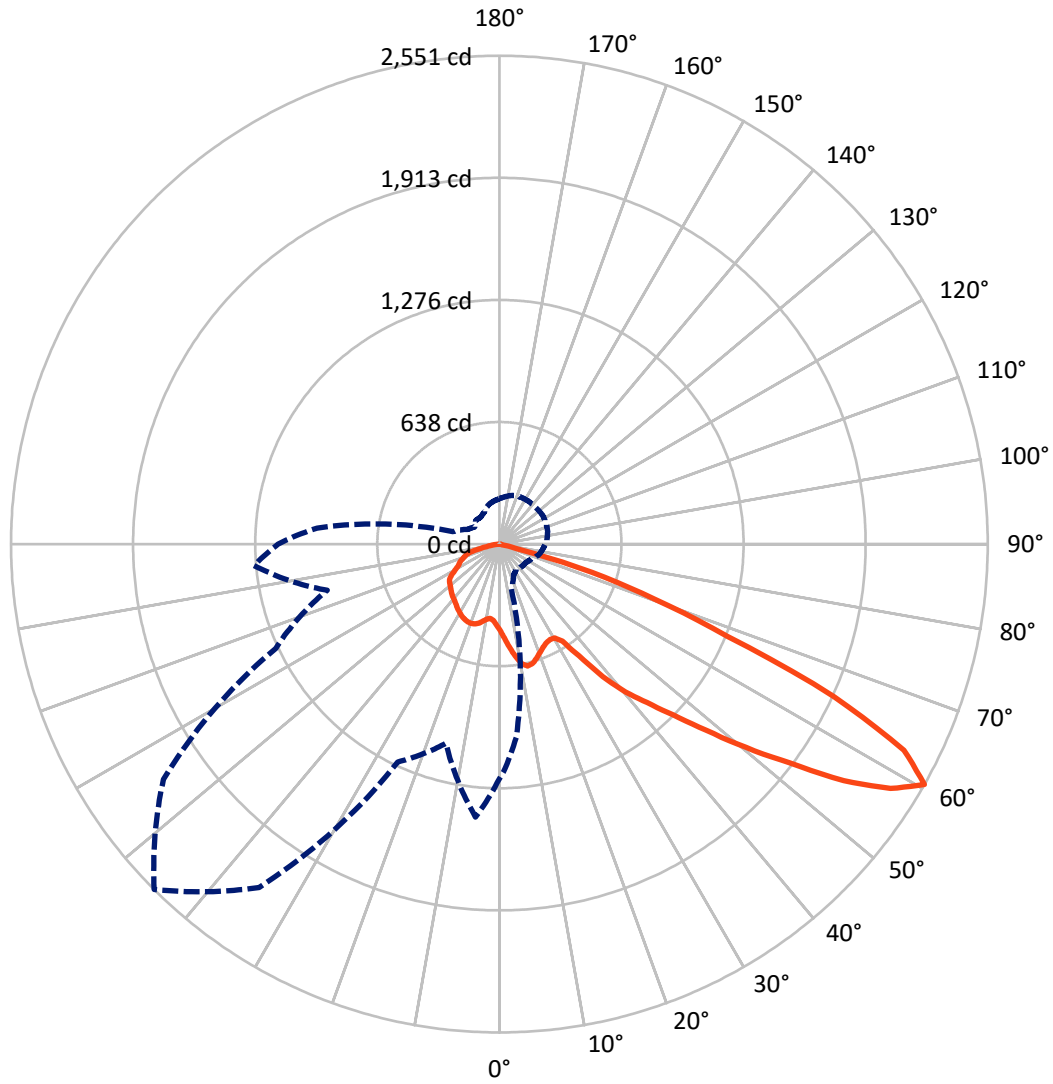
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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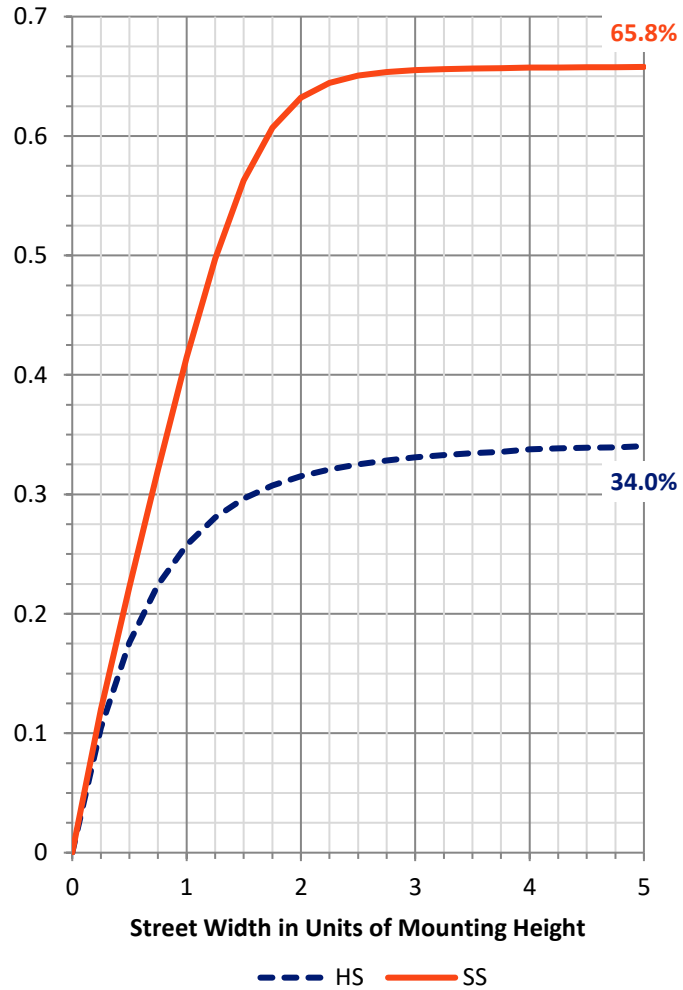
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	763.9	0.0	763.9
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	1469.2	0.0	1469.2
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	2233.2	0.0	2233.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	2.0
10°-20°	141.1	6.3
20°-30°	229.9	10.3
30°-40°	322.9	14.5
40°-50°	441.9	19.8
50°-60°	566.9	25.4
60°-70°	381.7	17.1
70°-80°	95.4	4.3
80°-90°	9.3	0.4
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°	2233.2	100.0
0°-180°	2233.2	100.0

**Coefficient of Utilization**



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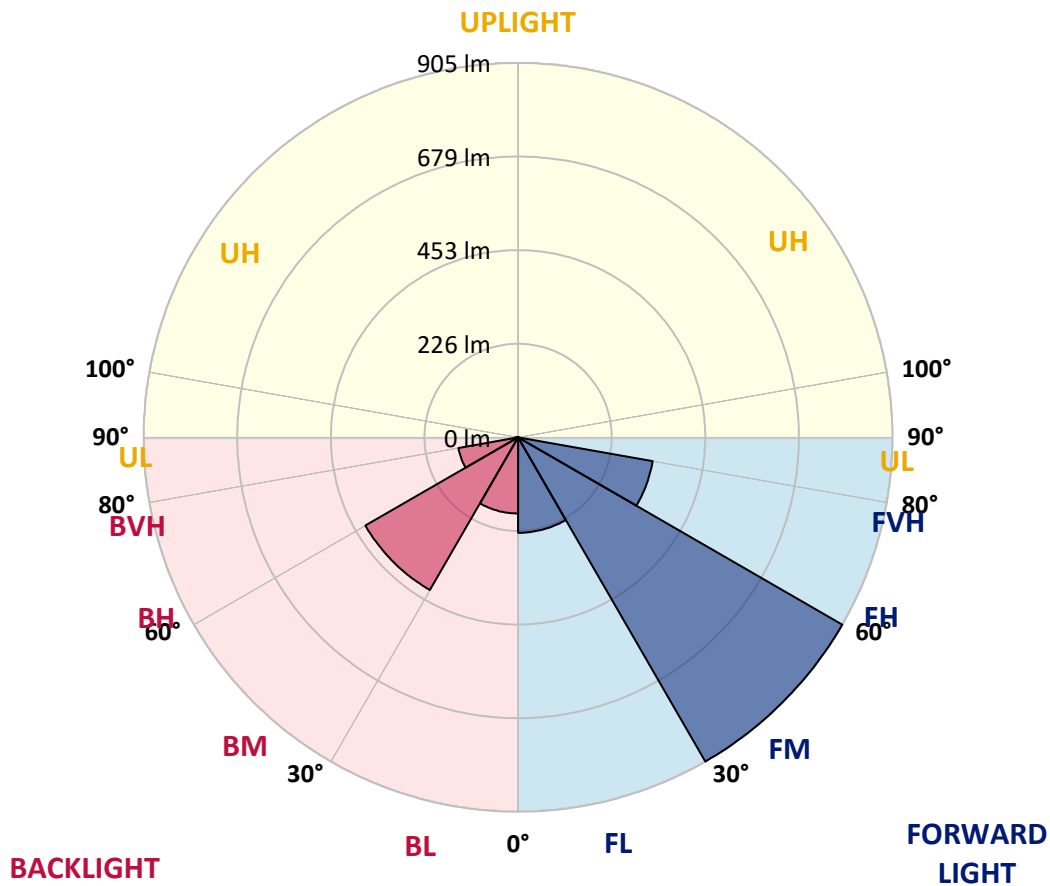
CATALOG NUMBER: GWS-SA1A-760-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.9	10.3			
FM (30°-60°)	905.4	40.5			
FH (60°-80°)	330.6	14.8			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	184.2	8.2	B1/500		
BM (30°-60°)	426.3	19.1	B1/1000		
BH (60°-80°)	146.6	6.6	B1/500		G1/500
BVH (80°-90°)	6.9	0.3			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	476.5	475.5	474.5	466.5	464.4	458.6	454.5	449.4	442.0	437.9	434.4
5°	506.4	504.7	499.2	482.7	472.0	460.3	450.6	439.9	428.6	421.2	415.4
7.5°	534.5	534.1	524.7	497.5	480.2	463.4	450.2	434.6	418.3	407.2	399.8
10°	560.7	557.6	546.3	510.9	488.3	468.9	454.7	437.5	418.5	403.5	393.6
12.5°	583.7	579.8	564.1	523.2	495.2	471.4	456.0	441.8	429.2	416.7	405.4
15°	602.6	597.9	582.0	534.7	501.4	470.0	448.4	437.2	441.6	447.1	434.6
17.5°	620.3	615.4	596.0	543.2	503.3	461.1	429.6	424.9	446.7	472.0	466.2
20°	635.1	629.5	607.1	547.3	500.0	444.2	405.4	413.6	442.4	472.6	481.9
22.5°	651.1	646.6	619.7	553.2	495.9	421.0	385.0	405.2	435.0	461.5	475.5
25°	676.9	671.3	639.2	563.7	493.8	399.2	370.4	396.9	424.7	448.8	459.7
27.5°	714.1	703.8	666.0	582.0	496.1	378.6	361.2	386.9	412.8	433.3	442.2
30°	754.6	742.3	695.6	601.0	499.4	366.1	356.2	375.3	394.5	415.0	424.7
32.5°	802.5	791.6	727.2	615.2	492.4	360.3	352.5	362.8	378.0	394.5	402.5
35°	859.7	840.2	761.8	626.7	469.7	351.9	349.2	349.0	357.0	373.1	382.1
37.5°	921.2	900.2	804.4	639.0	434.6	338.5	341.4	332.8	340.2	352.9	363.2
40°	971.6	949.6	847.4	655.9	390.6	317.6	324.1	314.9	319.4	332.6	344.1
42.5°	1020.9	997.5	887.5	675.0	348.0	297.0	300.3	296.8	298.2	312.0	328.0
45°	1085.7	1059.4	936.8	688.6	309.7	280.7	277.7	271.7	279.3	297.2	314.3
47.5°	1193.9	1162.4	1017.6	697.4	282.0	271.5	257.3	253.8	263.3	283.2	300.9
50°	1320.4	1293.2	1146.8	697.0	261.2	263.7	237.5	234.5	250.1	270.2	289.0
52.5°	1424.0	1396.5	1257.2	676.4	244.1	247.0	226.0	217.4	238.8	257.5	276.2
55°	1507.8	1476.7	1308.0	590.5	222.5	220.5	213.5	197.6	224.6	244.7	262.2
57.5°	1462.7	1425.7	1246.6	449.0	200.3	187.4	191.9	180.2	205.3	230.6	247.4
60°	1226.4	1193.1	1012.7	239.0	176.3	156.5	166.0	167.8	184.1	213.5	230.8
62.5°	842.4	818.1	686.3	145.0	139.0	125.7	140.5	153.8	166.0	190.9	205.9
65°	412.2	405.0	343.3	93.0	97.3	101.6	116.4	132.7	150.5	172.3	188.2
67.5°	113.5	114.4	104.1	72.6	76.7	88.6	100.4	113.3	131.2	151.4	167.4
70°	50.0	50.8	52.4	55.9	63.8	74.7	86.8	100.2	116.6	133.5	148.9
72.5°	34.8	35.6	38.0	42.6	49.6	59.8	71.4	84.1	101.2	115.4	128.1
75°	21.4	22.0	24.3	28.2	32.9	40.7	52.0	63.8	78.8	91.7	103.0
77.5°	11.3	10.9	12.3	15.0	19.1	23.2	30.9	38.3	48.9	59.4	68.9
80°	6.2	6.0	6.8	8.2	9.5	12.8	17.9	22.8	29.0	35.0	40.1
82.5°	2.7	2.5	2.7	3.5	4.3	6.2	9.0	12.5	16.0	20.2	23.4
85°	0.0	0.0	0.0	0.2	1.0	1.6	3.1	4.5	6.6	9.0	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9
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°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	432.3	427.2	426.8	422.6	423.1	423.3	419.2	417.5	418.9	420.6	419.8
5°	413.4	408.0	405.8	401.9	401.5	399.6	398.0	395.9	397.4	398.8	399.6
7.5°	396.9	393.4	392.0	391.0	391.4	390.6	387.3	385.4	385.2	385.8	386.7
10°	391.6	388.7	390.6	393.4	395.5	396.9	393.4	390.4	387.5	386.2	386.2
12.5°	403.1	399.4	403.1	406.2	410.3	411.3	407.4	404.1	403.1	404.3	406.8
15°	428.6	420.0	419.8	421.6	424.9	426.6	422.9	421.2	421.2	429.0	435.2
17.5°	454.1	439.9	434.0	432.9	435.0	435.6	432.5	431.1	434.8	450.0	461.5
20°	472.0	454.7	441.8	439.3	439.9	440.1	437.7	436.6	442.0	460.5	470.2
22.5°	470.2	457.4	441.6	438.5	439.5	439.1	436.8	436.4	440.7	456.8	461.3
25°	457.4	447.5	434.2	432.1	433.8	433.5	431.3	430.3	432.1	442.8	443.2
27.5°	442.8	434.2	422.6	422.0	424.7	426.1	422.2	419.2	418.5	425.7	424.1
30°	425.3	418.9	409.7	410.1	415.0	415.9	411.1	406.6	405.4	409.3	407.0
32.5°	404.5	402.5	397.6	398.6	403.3	405.0	400.0	395.3	393.9	395.1	390.4
35°	386.9	386.0	386.4	388.3	392.4	393.6	389.5	385.8	383.8	379.5	373.3
37.5°	368.6	370.8	376.8	380.3	382.5	382.1	379.9	377.2	373.9	365.9	358.3
40°	351.5	357.2	367.9	371.8	372.7	372.9	371.2	369.0	364.9	354.2	345.5
42.5°	338.3	344.7	358.9	364.9	365.3	365.7	364.0	362.2	356.4	342.2	333.8
45°	324.5	333.0	349.6	356.8	356.4	356.2	354.8	354.0	347.2	330.7	321.5
47.5°	312.8	322.7	340.6	346.8	346.6	346.3	345.3	345.3	338.5	320.6	310.1
50°	301.3	312.6	331.3	336.5	336.9	336.5	336.1	336.7	328.7	309.5	299.2
52.5°	288.8	301.5	321.0	325.8	328.2	329.3	329.3	327.8	318.4	298.4	287.1
55°	275.0	287.1	309.7	316.1	318.2	320.0	320.0	317.1	308.3	288.1	276.0
57.5°	257.9	268.6	286.5	292.9	297.8	299.0	299.0	294.3	287.1	267.8	257.9
60°	239.4	248.7	260.8	267.6	271.3	268.8	270.7	269.4	263.7	245.8	237.5
62.5°	214.7	224.2	237.5	244.5	246.2	243.7	246.2	246.0	238.2	222.1	212.2
65°	197.0	206.3	219.4	228.5	231.2	230.6	232.2	229.7	220.1	204.8	195.4
67.5°	176.1	185.9	201.1	211.2	216.8	217.4	219.7	214.5	204.6	188.0	176.1
70°	156.1	164.5	176.3	185.7	193.5	197.4	197.9	190.4	178.1	164.3	155.7
72.5°	135.1	143.8	158.0	168.2	178.1	182.6	182.6	173.6	160.2	145.0	135.7
75°	109.6	117.6	130.6	141.7	153.0	158.8	158.6	150.8	135.9	121.5	111.9
77.5°	74.2	80.2	88.4	96.9	98.5	103.0	105.3	95.4	87.2	79.4	70.7
80°	43.2	46.9	51.4	56.1	57.2	58.6	54.9	51.2	46.9	41.8	37.8
82.5°	25.3	27.8	30.0	33.7	34.3	34.8	31.5	29.8	26.3	23.2	20.8
85°	12.3	13.2	15.2	17.1	16.2	15.8	14.4	12.8	11.3	10.1	8.8
87.5°	2.5	2.5	3.7	3.5	2.9	2.5	1.4	1.9	0.4	0.4	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°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	422.4	425.9	430.3	436.0	442.6	449.6	456.4	461.5	466.7	474.3	473.0
5°	400.8	406.8	413.6	422.4	433.1	445.3	458.8	472.4	487.0	499.4	504.7
7.5°	388.3	394.9	402.9	414.4	428.2	443.0	462.1	484.1	507.8	524.0	534.1
10°	388.3	396.7	407.2	418.3	430.5	445.7	469.3	496.9	527.3	548.7	560.4
12.5°	410.7	419.2	421.4	421.0	427.8	444.7	475.1	510.3	546.7	569.3	583.7
15°	445.7	448.6	431.5	415.9	416.9	437.2	477.8	521.0	563.3	590.5	606.1
17.5°	469.1	461.5	431.1	403.7	398.0	424.7	477.8	531.2	581.0	611.7	626.3
20°	471.0	452.1	420.6	392.0	377.2	408.0	474.5	539.1	598.1	632.0	647.6
22.5°	454.7	436.0	409.5	381.9	360.1	387.9	469.1	545.0	612.7	651.1	670.5
25°	436.2	420.6	398.2	371.6	348.4	367.5	464.2	555.1	633.0	677.1	696.6
27.5°	418.1	405.0	384.6	363.0	341.8	349.8	461.1	569.9	657.3	713.9	730.7
30°	400.4	388.5	370.0	354.8	338.3	338.3	458.4	587.0	689.4	755.2	772.1
32.5°	382.5	371.2	356.2	346.8	336.3	333.8	451.0	603.0	722.5	800.5	817.7
35°	365.9	354.6	343.1	339.1	335.2	330.3	432.7	615.6	754.8	853.3	868.1
37.5°	350.3	339.4	330.7	329.7	330.1	320.8	403.9	626.1	795.1	907.4	915.2
40°	336.7	324.5	317.8	317.6	319.6	305.6	367.5	641.1	841.2	953.3	950.0
42.5°	324.5	311.8	303.6	305.4	304.2	290.4	331.9	654.8	881.3	996.3	989.7
45°	312.6	300.3	288.8	291.4	290.0	280.9	301.7	664.9	925.7	1047.9	1048.7
47.5°	301.1	289.0	277.4	274.2	273.9	278.1	278.5	668.2	998.1	1131.0	1112.3
50°	290.4	278.3	266.3	255.2	259.6	272.3	261.2	665.7	1106.5	1222.7	1170.5
52.5°	279.3	267.8	254.6	234.7	246.0	258.5	245.8	656.9	1172.7	1303.7	1272.5
55°	266.5	255.6	237.8	213.5	227.3	229.9	229.9	571.3	1200.9	1383.9	1403.3
57.5°	249.5	235.1	206.7	187.2	199.5	189.2	213.1	399.8	1154.4	1358.6	1433.7
60°	230.1	214.7	184.7	170.7	174.4	156.3	181.6	250.7	956.8	1156.1	1286.0
62.5°	204.6	190.4	165.6	154.7	147.1	127.5	146.2	158.6	655.9	858.5	947.1
65°	187.6	171.9	149.7	135.3	119.7	102.6	97.1	104.1	352.7	480.4	540.3
67.5°	167.4	152.0	131.0	112.9	100.4	88.0	78.4	75.9	120.9	160.0	173.2
70°	148.3	133.5	116.0	99.1	86.6	74.5	65.0	58.2	55.9	55.5	54.7
72.5°	128.7	115.0	100.4	84.7	71.0	59.8	51.4	43.6	40.3	39.3	38.3
75°	105.5	94.6	80.0	63.1	52.0	41.8	35.2	30.0	27.1	26.1	24.9
77.5°	67.9	62.9	50.2	40.7	31.5	24.9	21.4	18.1	16.2	15.8	14.8
80°	36.2	33.7	27.8	23.4	18.7	15.2	13.4	11.5	10.5	10.1	9.7
82.5°	20.2	18.3	15.4	13.6	10.9	9.3	8.2	7.4	6.8	6.6	6.4
85°	9.0	7.8	6.2	5.8	5.1	4.7	4.5	4.1	3.9	3.7	3.5
87.5°	0.4	0.8	1.0	0.8	0.8	1.2	1.4	1.4	1.2	1.2	1.0
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°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	480.6	486.8	487.4	489.5	486.8	486.2	481.9	479.4	477.1	476.5
5°	518.1	530.4	535.4	538.8	535.6	533.9	524.5	514.6	509.0	506.4
7.5°	556.5	575.0	584.7	589.0	589.4	582.0	565.8	547.3	538.0	534.5
10°	590.9	613.7	626.5	634.7	631.8	622.8	600.6	575.5	563.7	560.7
12.5°	616.4	638.2	648.1	653.4	653.2	648.3	627.3	600.1	586.8	583.7
15°	632.8	645.8	646.4	647.6	651.1	657.7	646.8	621.7	606.9	602.6
17.5°	645.8	640.7	631.0	627.7	635.5	653.8	660.4	640.0	624.0	620.3
20°	654.0	628.1	611.0	604.7	613.7	643.5	668.6	656.5	639.8	635.1
22.5°	660.4	616.4	588.8	584.5	594.0	632.4	677.1	676.0	657.7	651.1
25°	670.5	608.6	573.2	570.1	579.0	627.1	688.4	702.6	686.3	676.9
27.5°	686.3	607.7	565.2	564.1	576.3	631.8	704.6	741.4	721.1	714.1
30°	708.3	615.6	567.0	569.1	583.9	648.9	729.9	785.9	765.5	754.6
32.5°	740.0	636.5	595.2	604.0	614.9	676.2	766.9	834.0	818.6	802.5
35°	781.7	694.1	678.5	716.1	705.9	736.1	811.6	892.4	873.7	859.7
37.5°	837.5	812.2	826.6	878.4	853.5	849.2	866.1	945.5	935.2	921.2
40°	915.6	920.8	947.3	1015.4	979.4	951.6	932.9	985.4	988.9	971.6
42.5°	967.5	991.1	1055.1	1132.4	1082.8	1016.4	988.9	1036.4	1036.6	1020.9
45°	986.8	1048.7	1182.4	1271.4	1188.6	1053.4	1019.7	1105.7	1103.6	1085.7
47.5°	979.8	1097.2	1314.6	1450.8	1324.3	1079.8	1015.4	1204.4	1221.1	1193.9
50°	965.2	1146.0	1469.1	1670.4	1490.9	1107.7	1008.8	1313.8	1341.4	1320.4
52.5°	980.0	1200.3	1651.7	1897.5	1699.8	1152.4	1053.2	1454.3	1449.3	1424.0
55°	1026.9	1264.4	1873.6	2182.8	1929.4	1227.8	1167.4	1588.2	1538.0	1507.8
57.5°	1024.6	1310.3	2068.2	2408.4	2129.1	1289.7	1207.1	1602.4	1501.0	1462.7
60°	930.0	1289.3	2142.2	2551.1	2189.3	1255.6	1076.5	1431.2	1266.5	1226.4
62.5°	694.1	1144.1	1998.7	2372.4	2018.8	1084.5	809.5	1027.3	910.1	842.4
65°	444.0	895.1	1680.3	1922.0	1664.1	829.5	482.1	550.8	431.5	412.2
67.5°	189.0	631.8	1306.2	1284.6	1244.9	537.4	186.1	155.1	115.6	113.5
70°	62.5	429.8	805.2	856.8	743.5	370.2	61.5	52.0	51.8	50.0
72.5°	40.9	230.8	453.3	504.7	478.4	213.1	37.2	34.8	35.6	34.8
75°	24.5	50.2	76.3	99.1	76.3	35.8	22.4	22.0	22.4	21.4
77.5°	14.4	14.0	13.6	13.6	13.4	12.3	11.3	10.9	11.1	11.3
80°	9.3	8.8	8.4	8.2	7.2	6.8	6.4	6.0	6.0	6.2
82.5°	6.0	5.6	5.1	4.5	3.7	3.1	2.9	2.5	2.5	2.7
85°	3.1	2.5	1.9	1.4	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	0.6	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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