

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: P629466

Luminaire Tested: GWS-SA1B-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

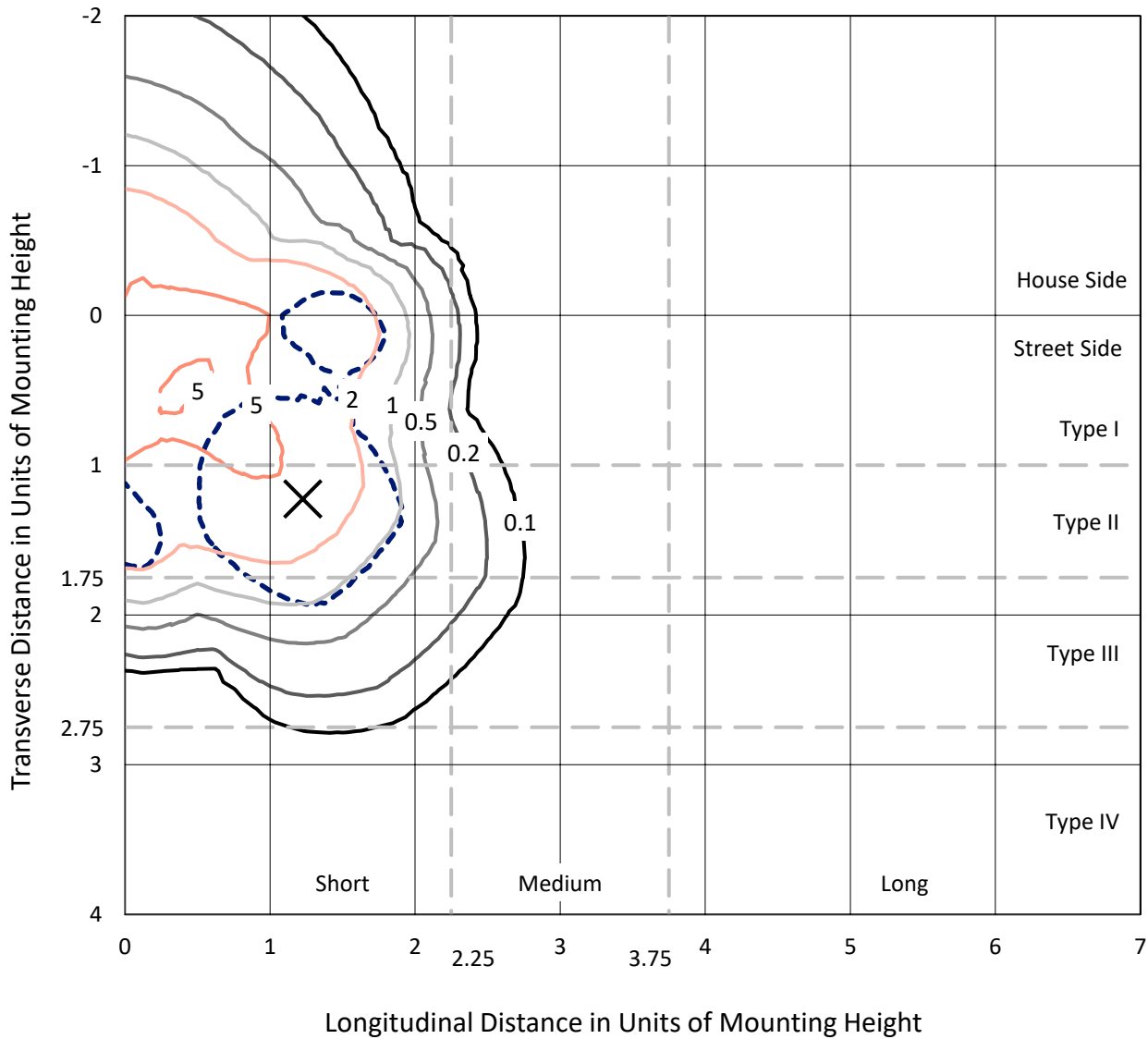
Lumens per Lamp: N/A  
Luminaire Lumens: 2829.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

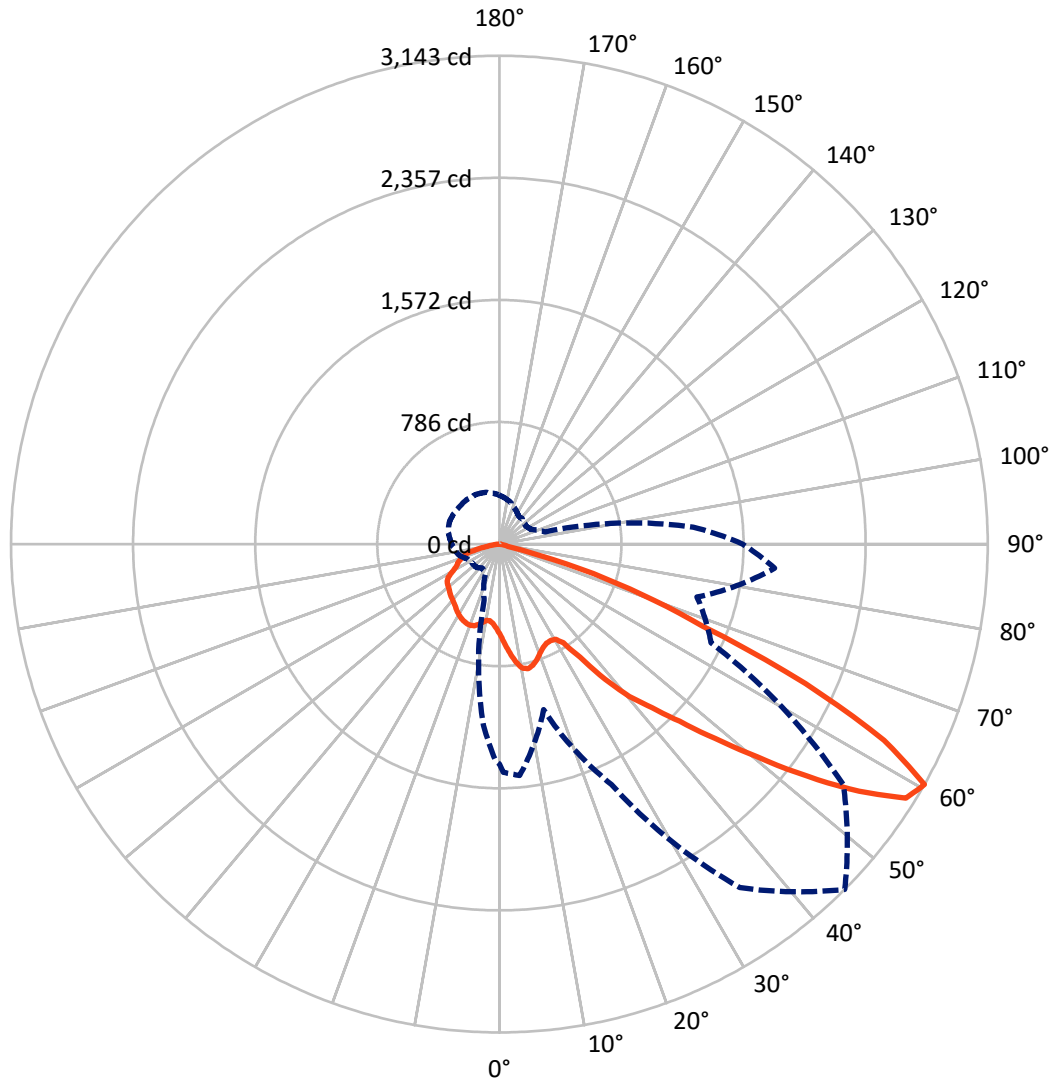
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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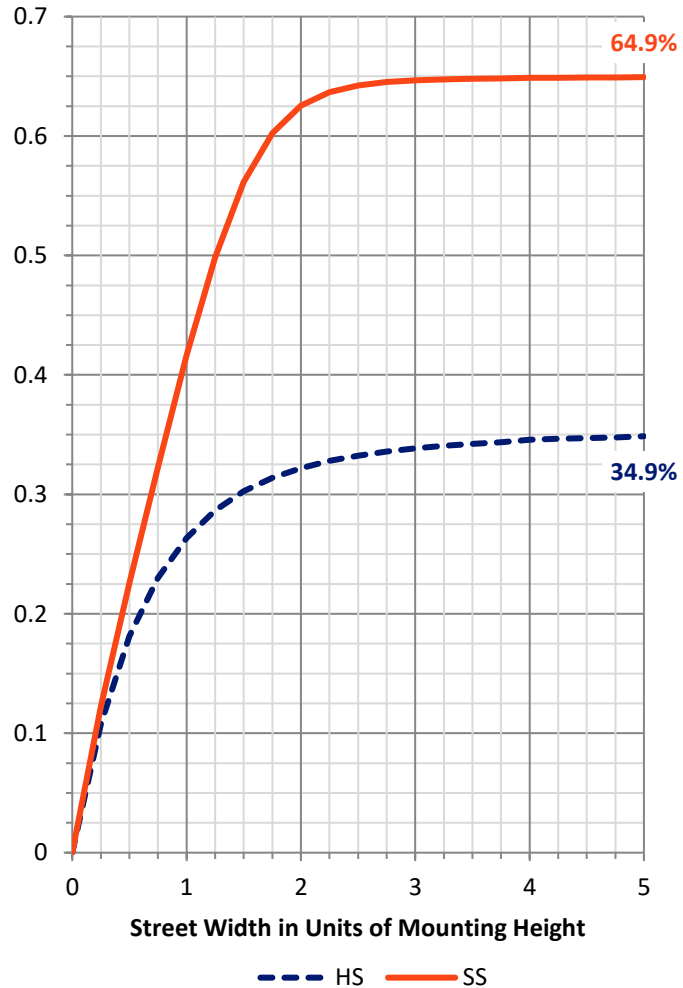
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	991.7	0.0	991.7
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	1837.4	0.0	1837.4
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	2829.1	0.0	2829.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.7	2.0
10°-20°	179.2	6.3
20°-30°	291.1	10.3
30°-40°	410.5	14.5
40°-50°	567.3	20.1
50°-60°	730.3	25.8
60°-70°	462.7	16.4
70°-80°	118.7	4.2
80°-90°	12.7	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°	2829.1	100.0
0°-180°	2829.1	100.0

**Coefficient of Utilization**



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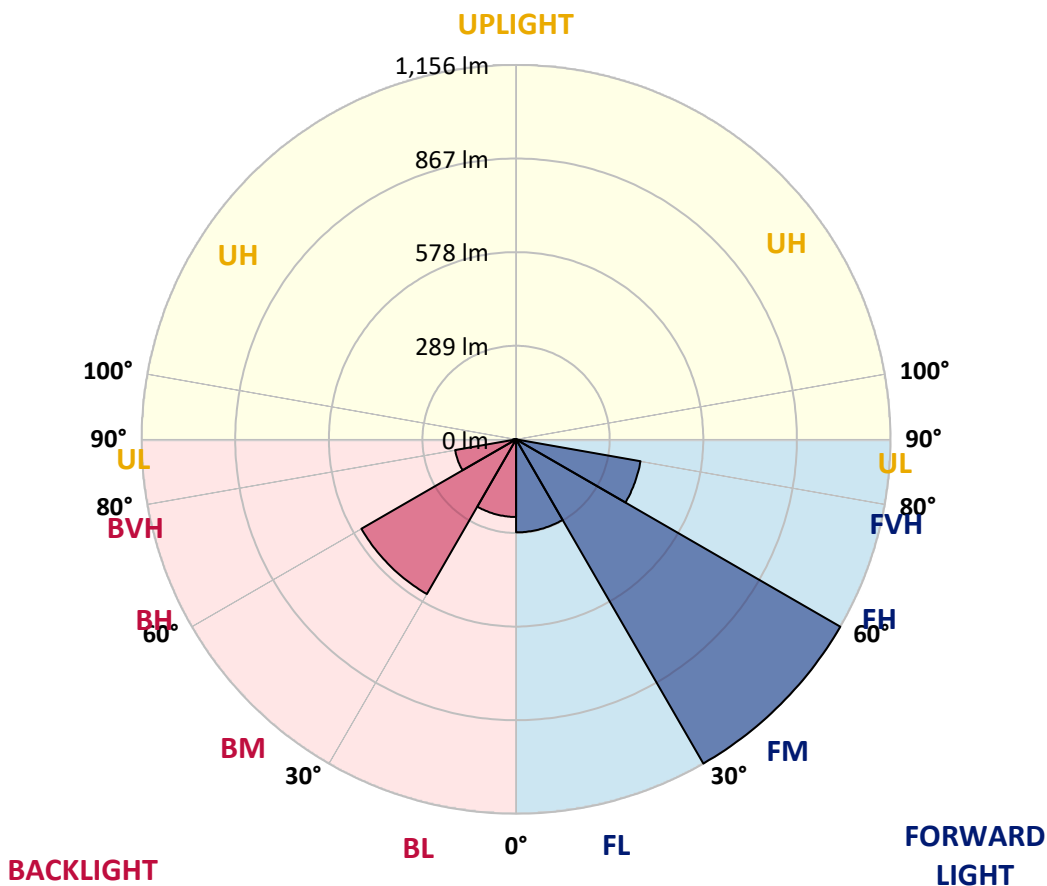
CATALOG NUMBER: GWS-SA1B-760-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.3	10.2			
FM (30°-60°)	1156.4	40.9			
FH (60°-80°)	390.3	13.8			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	239.7	8.5	B1/500		
BM (30°-60°)	551.7	19.5	B1/1000		
BH (60°-80°)	191.1	6.8	B1/500		G1/500
BVH (80°-90°)	9.3	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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	607.9	612.0	614.6	619.5	628.4	633.3	638.7	632.8	634.3	633.5	624.0
5°	643.9	648.8	655.6	670.1	686.4	695.5	704.1	702.8	694.7	681.2	671.6
7.5°	677.6	683.3	695.0	718.6	742.7	756.7	767.0	760.3	753.6	732.3	708.2
10°	704.1	707.4	723.2	754.9	782.9	798.7	811.4	809.8	800.5	776.6	744.2
12.5°	728.9	731.3	748.4	780.0	805.1	812.1	822.5	825.9	822.8	804.9	773.0
15°	755.6	760.0	775.9	800.0	811.4	804.1	807.7	817.1	825.9	825.9	796.6
17.5°	780.5	784.4	800.5	810.9	800.0	780.8	781.8	793.7	814.7	836.8	818.1
20°	802.6	806.2	822.0	812.1	777.7	749.7	748.9	763.4	797.4	843.8	841.2
22.5°	826.7	831.8	845.1	813.2	756.9	721.4	721.2	736.2	782.1	850.8	867.6
25°	860.9	868.9	875.7	822.3	745.8	703.0	706.4	720.6	777.2	862.2	906.8
27.5°	911.7	918.2	917.7	841.2	745.3	695.5	702.5	719.1	786.0	882.4	948.0
30°	966.6	970.0	964.6	867.6	757.2	700.2	710.5	730.2	808.3	915.8	1008.6
32.5°	1027.6	1031.7	1021.3	907.3	784.9	734.6	757.5	767.0	839.6	964.1	1072.9
35°	1097.6	1105.6	1084.1	959.6	866.6	860.4	893.5	881.1	906.2	1021.1	1141.6
37.5°	1171.2	1171.4	1140.6	1037.2	1026.8	1037.4	1103.8	1064.9	1047.5	1084.6	1211.6
40°	1233.6	1232.1	1184.7	1141.6	1166.2	1208.5	1288.6	1229.0	1183.4	1169.9	1269.7
42.5°	1296.1	1290.4	1242.5	1208.0	1262.4	1349.3	1439.7	1366.6	1270.5	1247.4	1327.0
45°	1376.0	1374.1	1316.3	1234.4	1349.3	1506.9	1626.9	1508.4	1322.0	1292.5	1422.4
47.5°	1504.8	1496.0	1388.4	1232.4	1430.7	1716.8	1868.5	1687.0	1358.1	1293.5	1576.3
50°	1630.8	1619.9	1474.5	1232.1	1514.6	1934.6	2153.6	1904.0	1394.9	1299.7	1732.9
52.5°	1758.1	1758.1	1615.7	1261.4	1602.8	2177.7	2483.1	2174.4	1457.6	1381.1	1925.5
55°	1833.8	1854.0	1774.6	1310.9	1706.0	2463.9	2809.0	2466.3	1554.6	1528.1	2103.3
57.5°	1737.6	1775.4	1764.0	1276.4	1766.9	2674.2	3085.3	2687.6	1602.5	1545.5	2076.6
60°	1415.9	1468.5	1494.7	1102.2	1706.7	2698.5	3143.1	2702.2	1503.5	1316.1	1778.8
62.5°	941.2	984.5	1024.5	787.5	1477.6	2427.6	2779.9	2428.4	1255.7	982.2	1232.4
65°	461.7	493.8	536.9	465.6	1154.3	2028.4	2167.4	1962.3	908.3	549.8	628.6
67.5°	120.8	129.9	135.8	180.7	826.9	1457.4	1413.5	1435.3	583.5	179.6	164.3
70°	62.7	63.3	63.0	74.7	558.9	926.2	974.2	901.3	407.2	75.2	64.8
72.5°	44.8	45.1	44.3	50.3	269.9	530.6	549.8	543.9	213.3	44.6	44.3
75°	29.3	29.6	29.0	29.6	40.7	60.4	55.7	58.6	35.5	28.3	28.3
77.5°	17.4	17.6	17.4	17.9	17.4	17.4	16.1	16.1	15.3	15.3	15.6
80°	11.7	11.7	11.4	11.9	10.9	10.9	10.4	10.1	9.3	9.1	9.1
82.5°	7.0	7.3	7.0	7.0	6.5	6.5	6.0	5.7	4.9	4.9	4.7
85°	3.6	3.6	3.4	3.4	2.9	2.6	2.1	2.1	1.6	1.3	1.3
87.5°	0.5	0.5	0.3	0.3	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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	621.4	616.2	608.4	600.9	593.9	586.6	578.3	569.8	562.5	555.0	551.1
5°	658.9	648.3	628.1	610.2	594.1	580.9	566.7	554.5	543.1	533.7	529.1
7.5°	692.9	676.3	645.7	617.5	595.7	577.6	557.8	539.7	524.4	513.0	508.6
10°	724.3	704.6	664.4	628.6	603.2	583.0	558.9	534.3	514.0	499.0	495.4
12.5°	749.7	727.1	679.2	637.7	607.6	585.8	564.6	543.3	523.4	503.9	500.8
15°	772.2	745.5	690.3	643.4	606.1	578.3	560.4	557.8	557.8	535.8	529.6
17.5°	791.7	762.4	699.4	646.0	596.2	556.0	545.1	567.7	593.1	577.3	563.3
20°	814.0	778.4	706.9	646.0	578.1	527.8	526.7	565.1	602.7	603.0	588.2
22.5°	836.5	797.1	715.7	643.7	553.2	495.1	514.3	554.7	588.2	602.4	592.3
25°	873.1	823.0	729.7	641.8	524.2	472.8	503.2	541.0	569.3	584.3	577.8
27.5°	919.5	857.3	751.0	644.7	495.4	459.6	491.2	523.1	548.8	562.0	557.3
30°	971.3	896.7	773.8	649.6	474.6	452.9	477.0	502.6	525.4	538.7	536.6
32.5°	1037.4	939.4	793.5	642.9	463.0	449.5	461.9	480.3	502.4	510.7	512.5
35°	1116.5	986.6	808.5	616.4	452.3	445.9	445.6	457.0	472.6	485.8	487.1
37.5°	1189.3	1041.8	825.1	571.1	433.2	436.8	426.4	433.2	448.5	461.7	466.9
40°	1261.4	1097.8	848.2	513.3	408.0	416.6	404.4	409.1	421.2	438.6	446.9
42.5°	1331.4	1148.4	872.5	454.2	382.9	388.3	379.2	383.9	396.6	418.4	427.7
45°	1407.6	1216.8	891.5	398.4	361.1	358.8	351.5	358.2	377.4	401.3	412.4
47.5°	1551.7	1324.6	903.9	361.4	349.4	332.6	324.3	338.8	360.6	384.7	398.2
50°	1727.7	1480.7	900.3	337.8	339.3	305.6	302.8	322.0	345.3	370.4	385.2
52.5°	1867.2	1633.9	859.1	315.2	319.6	288.5	280.2	308.2	330.5	356.2	371.5
55°	1973.7	1685.5	732.6	288.5	287.5	276.1	258.7	294.0	315.7	339.6	356.2
57.5°	1886.9	1570.6	543.1	251.7	245.5	251.4	234.6	269.9	297.6	321.2	336.0
60°	1566.0	1252.3	302.5	222.9	205.3	219.8	217.2	244.4	277.9	302.8	315.5
62.5°	1063.1	833.9	179.4	176.3	166.4	187.2	200.9	218.8	251.7	271.9	283.9
65°	529.9	405.2	119.2	131.9	133.2	154.0	179.9	199.6	227.1	247.8	259.7
67.5°	153.7	126.0	90.7	100.8	114.8	131.4	152.2	175.5	202.2	226.8	240.8
70°	66.4	67.1	72.1	84.0	97.7	114.8	135.6	158.4	180.9	199.9	210.5
72.5°	46.9	48.7	54.2	66.4	79.3	95.7	116.4	138.4	154.8	173.9	185.1
75°	30.1	31.4	35.8	45.1	54.7	70.5	90.2	110.4	127.3	141.0	151.6
77.5°	16.6	16.8	20.5	25.9	32.4	42.5	57.0	72.8	85.3	93.1	102.7
80°	9.6	9.6	11.4	14.8	18.7	24.9	32.9	40.7	48.2	53.1	57.8
82.5°	5.2	5.2	6.0	8.0	10.1	13.7	18.4	22.3	27.0	29.6	32.7
85°	1.6	1.6	2.1	2.9	3.6	5.2	7.3	9.3	11.4	13.2	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	550.3	546.7	544.6	542.0	542.8	540.5	539.2	540.0	535.3	540.0	544.6
5°	527.3	522.1	517.9	514.6	513.0	509.9	508.1	508.1	505.2	509.9	515.6
7.5°	507.0	502.9	500.8	498.7	496.4	493.6	490.5	489.4	487.6	492.5	497.5
10°	493.6	494.1	495.4	498.2	497.7	495.9	491.2	488.6	488.6	494.3	501.9
12.5°	499.8	505.2	508.3	513.5	514.6	513.0	508.3	506.3	511.4	520.0	532.4
15°	523.9	527.5	530.1	534.3	534.0	532.7	529.1	530.6	547.7	564.3	575.5
17.5°	550.1	545.9	545.4	548.0	548.8	547.2	545.1	552.1	580.4	596.0	601.7
20°	569.0	554.7	551.6	552.7	554.7	554.0	554.0	565.4	594.7	601.9	594.7
22.5°	574.7	554.5	549.8	550.1	552.9	553.2	554.5	566.4	583.5	583.8	572.6
25°	565.6	546.2	542.8	543.3	546.7	546.4	547.0	553.7	561.2	558.1	549.8
27.5°	548.5	531.7	530.6	533.5	537.9	535.6	534.0	535.8	539.4	535.6	528.3
30°	529.1	514.8	515.3	520.8	525.4	521.6	517.7	518.7	519.0	514.8	506.5
32.5°	508.6	498.0	499.8	505.5	510.9	506.8	502.6	502.1	497.2	492.3	484.2
35°	488.1	484.0	486.3	491.0	495.6	492.3	489.7	488.1	477.5	470.2	463.5
37.5°	469.5	472.6	476.7	479.6	481.1	480.9	479.3	475.7	461.7	453.1	444.3
40°	452.9	462.5	466.9	468.2	470.5	470.0	469.7	464.5	446.1	437.1	426.9
42.5°	437.8	451.3	458.8	460.1	461.4	461.7	460.9	453.4	432.4	421.8	412.2
45°	423.3	440.9	450.5	449.2	451.0	451.0	451.8	442.0	418.9	408.0	397.9
47.5°	410.6	431.3	440.2	438.6	439.6	440.4	441.2	429.8	404.1	393.8	383.4
50°	398.9	421.0	428.5	429.0	429.0	430.8	430.6	419.4	391.7	380.5	370.2
52.5°	386.5	410.4	418.4	421.8	422.8	423.6	419.9	407.0	379.0	365.5	355.9
55°	372.0	399.5	406.7	411.1	413.2	412.7	407.8	394.5	366.0	352.5	341.7
57.5°	350.0	376.1	386.5	388.6	391.9	389.9	384.2	373.0	345.3	331.8	320.7
60°	325.8	344.8	353.1	354.9	352.3	353.1	352.3	341.7	317.5	306.9	295.5
62.5°	294.2	311.1	319.9	322.2	317.8	320.7	319.6	306.4	282.3	271.1	261.0
65°	270.4	288.8	299.1	300.4	299.1	300.4	296.8	280.7	257.9	246.5	236.2
67.5°	251.7	270.6	281.5	285.1	283.9	283.6	277.9	259.2	235.6	223.2	210.0
70°	219.6	236.2	250.2	259.0	259.0	254.0	243.2	225.8	206.9	196.2	185.9
72.5°	194.4	215.4	229.2	238.2	240.0	237.2	221.9	203.5	181.7	171.1	160.2
75°	160.2	180.7	195.5	207.4	209.7	206.6	189.0	170.8	150.6	140.2	129.4
77.5°	107.1	119.2	131.2	142.1	139.7	141.8	129.9	116.1	103.7	95.9	91.0
80°	60.4	68.4	72.1	78.0	78.0	78.0	70.2	63.8	56.8	52.4	47.4
82.5°	34.2	39.4	41.0	45.9	47.2	47.4	42.3	38.1	33.7	31.4	28.0
85°	15.8	18.7	18.9	21.8	22.8	24.9	22.6	19.7	17.1	16.1	14.0
87.5°	0.5	1.6	2.1	3.9	5.2	6.0	6.5	6.5	5.4	4.9	4.1
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°	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2	581.2
2.5°	550.3	556.6	563.8	569.0	578.3	586.1	594.1	603.0	609.4	607.9
5°	522.6	533.0	546.2	558.4	575.7	593.4	612.8	632.8	644.4	643.9
7.5°	507.0	521.8	537.9	554.2	574.7	600.1	629.9	661.0	676.8	677.6
10°	515.3	531.1	542.0	555.8	577.3	609.2	644.9	682.3	700.4	704.1
12.5°	541.5	540.2	539.4	549.3	575.2	615.7	659.5	704.1	724.5	728.9
15°	566.4	539.7	523.6	530.4	565.9	619.8	673.7	727.9	751.0	755.6
17.5°	571.1	530.6	500.8	505.5	551.1	621.1	687.5	751.2	776.1	780.5
20°	558.1	519.0	484.2	477.7	532.4	617.7	696.0	770.7	797.9	802.6
22.5°	541.8	508.6	471.8	454.9	509.6	614.4	705.6	791.2	822.5	826.7
25°	524.7	495.4	460.1	434.5	483.7	612.3	721.7	818.1	856.0	860.9
27.5°	506.5	479.3	450.0	424.6	459.9	614.9	744.5	861.7	904.7	911.7
30°	487.1	463.2	443.5	421.2	443.5	617.2	769.6	906.2	956.8	966.6
32.5°	466.9	448.5	436.8	422.8	433.4	611.8	791.7	956.3	1019.0	1027.6
35°	446.6	433.4	428.2	425.6	419.9	591.8	809.6	1006.8	1090.0	1097.6
37.5°	427.7	417.9	416.3	419.2	399.2	559.1	830.3	1071.1	1159.8	1171.2
40°	410.1	401.0	400.8	400.2	376.4	514.6	858.3	1136.4	1228.5	1233.6
42.5°	393.8	382.4	384.4	378.2	357.7	466.3	884.7	1192.2	1292.5	1296.1
45°	379.2	364.2	366.5	358.8	348.9	415.8	908.1	1258.0	1373.6	1376.0
47.5°	365.2	349.2	342.7	342.2	347.4	369.1	930.9	1384.8	1500.6	1504.8
50°	352.3	334.9	316.5	327.9	337.8	334.1	959.4	1520.6	1631.8	1630.8
52.5°	339.8	317.0	290.8	312.9	312.9	308.2	951.4	1603.0	1740.2	1758.1
55°	325.6	288.3	264.1	287.7	276.3	284.9	809.0	1630.0	1808.3	1833.8
57.5°	297.3	252.7	231.7	244.4	227.3	264.1	581.2	1496.2	1692.5	1737.6
60°	270.1	226.6	212.8	210.5	188.2	215.4	376.7	1171.4	1393.1	1415.9
62.5°	238.2	204.0	192.3	174.5	151.4	156.8	228.1	770.9	936.1	941.2
65°	214.1	184.8	162.5	141.3	123.9	113.8	134.8	371.7	467.9	461.7
67.5°	183.8	158.4	137.1	121.8	107.6	94.9	89.7	110.4	124.9	120.8
70°	163.6	139.2	118.7	104.2	91.0	78.3	69.2	65.1	63.8	62.7
72.5°	141.0	119.8	98.5	84.5	72.1	60.4	52.1	47.2	45.9	44.8
75°	112.5	92.5	73.1	59.9	49.0	40.7	35.3	31.1	30.3	29.3
77.5°	74.4	59.4	43.5	35.5	29.0	24.6	21.0	18.4	17.9	17.4
80°	41.0	34.2	26.7	21.5	17.4	15.0	13.7	12.2	11.9	11.7
82.5°	24.4	20.5	15.3	12.2	10.1	9.1	8.3	7.5	7.3	7.0
85°	12.2	9.6	6.7	5.7	5.2	4.7	4.7	3.9	3.6	3.6
87.5°	3.1	2.6	1.6	1.3	1.3	1.3	1.0	0.8	0.8	0.5
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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