

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: P630948

Luminaire Tested: GWS-SA1E-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

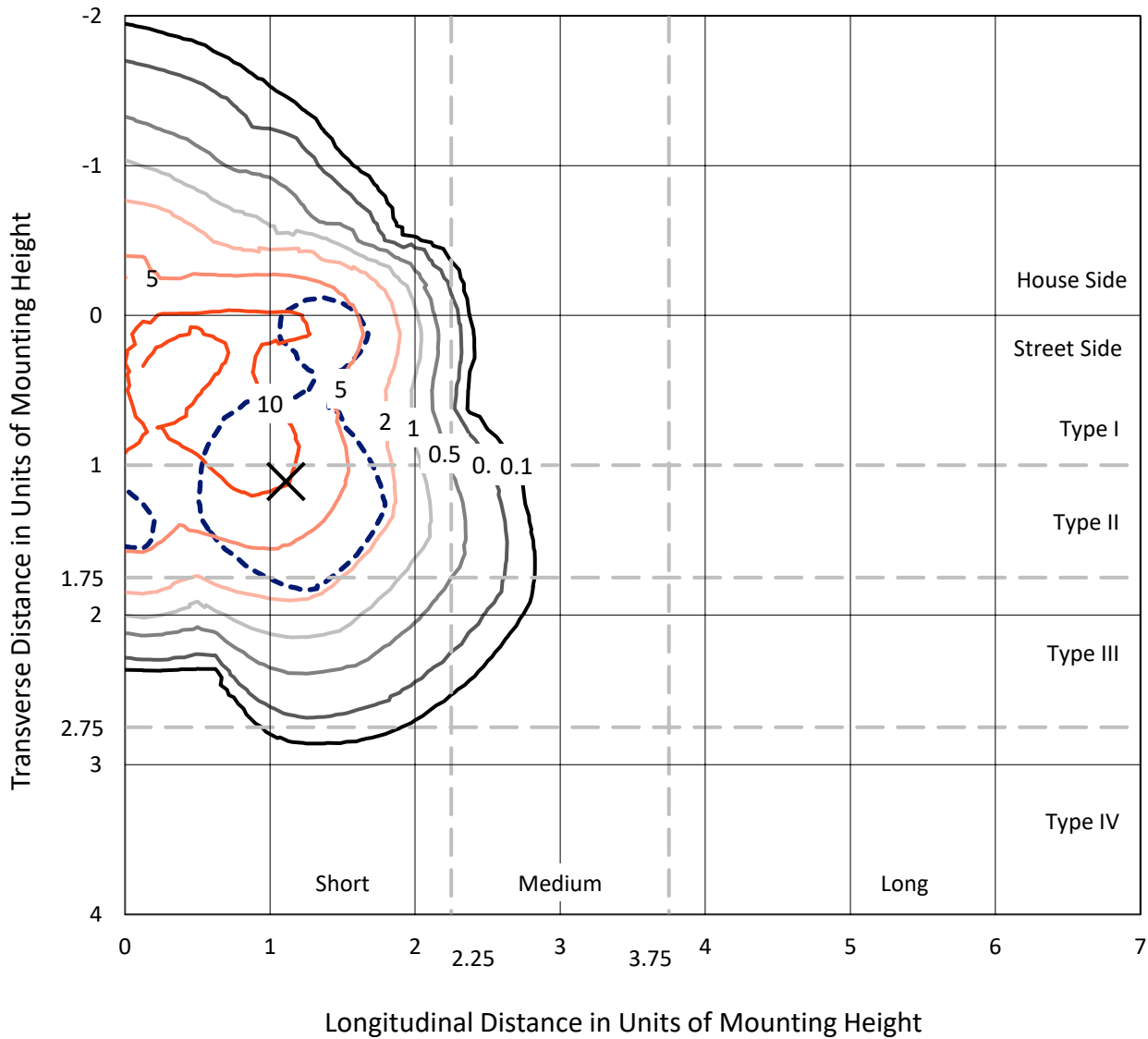
Lumens per Lamp: N/A  
Luminaire Lumens: 4078.6 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

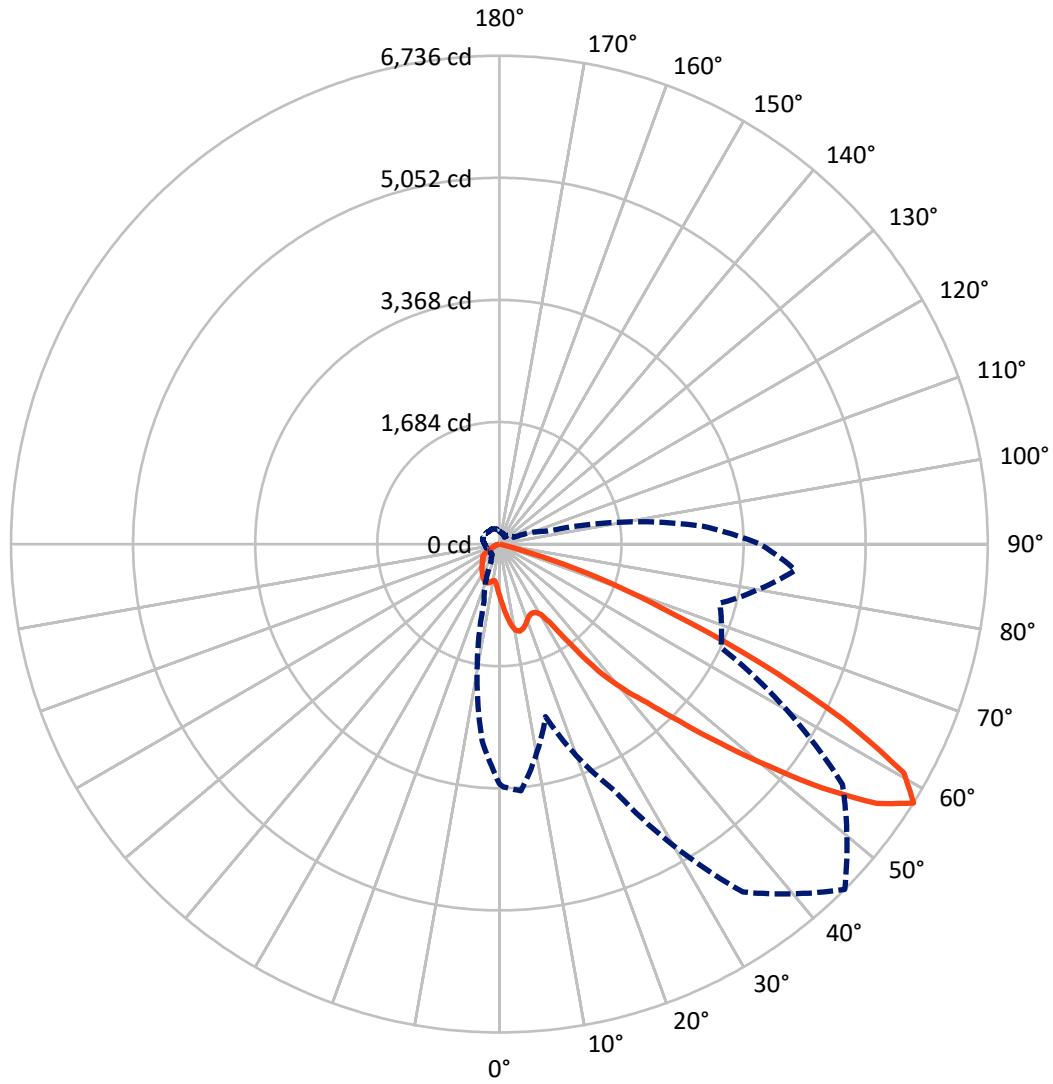
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	913.3	0.0	913.3
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	3165.3	0.0	3165.3
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	4078.6	0.0	4078.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	1.7
10°-20°	228.1	5.6
20°-30°	370.6	9.1
30°-40°	572.6	14.0
40°-50°	918.2	22.5
50°-60°	1254.9	30.8
60°-70°	607.8	14.9
70°-80°	55.6	1.4
80°-90°	0.2	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°	4078.6	100.0
0°-180°	4078.6	100.0

**Coefficient of Utilization**



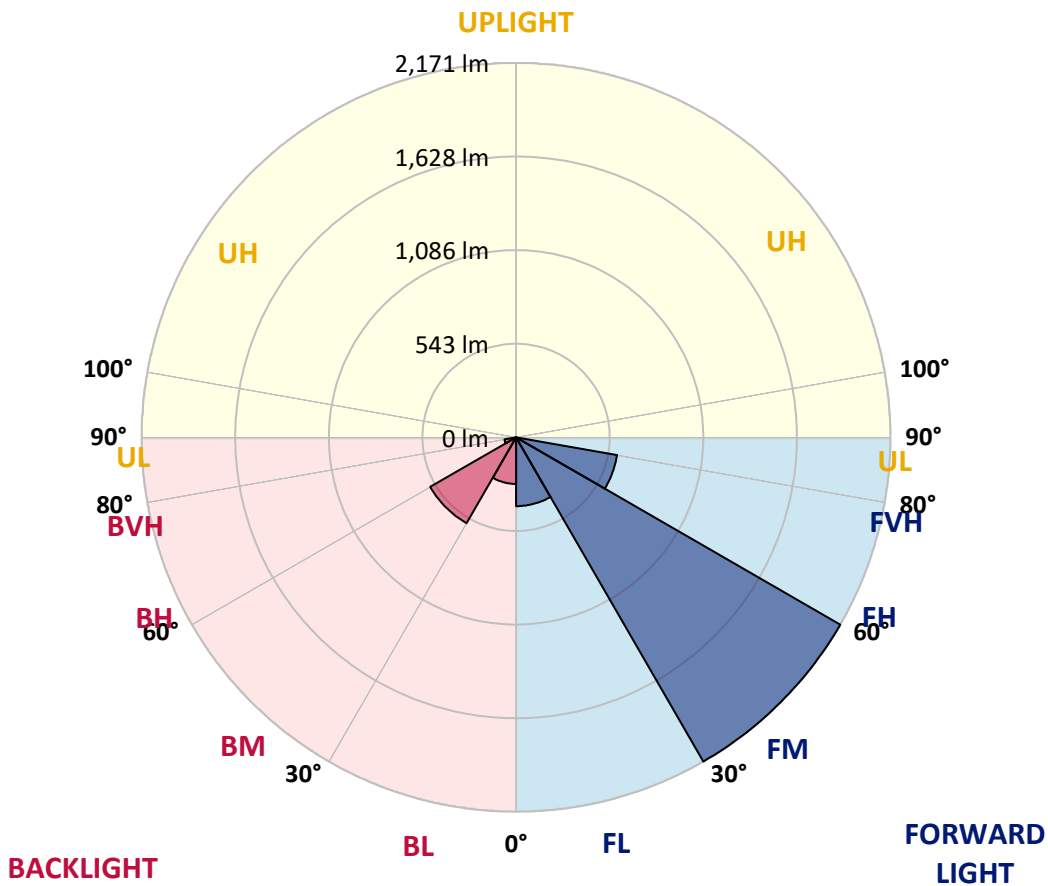
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.0	9.8			
FM (30°-60°)	2171.1	53.2			
FH (60°-80°)	595.0	14.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	270.2	6.6	B1/500		
BM (30°-60°)	574.6	14.1	B1/1000		
BH (60°-80°)	68.5	1.7	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°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
2.5°	776.6	781.5	789.7	807.3	822.1	831.9	836.3	835.2	829.2	824.8	816.1
5°	859.9	859.9	875.8	915.8	946.5	965.7	975.5	969.5	957.5	938.3	908.7
7.5°	932.8	935.5	962.4	1019.4	1066.0	1093.4	1109.3	1106.0	1084.6	1047.9	988.7
10°	989.8	993.1	1028.7	1098.3	1153.1	1181.1	1204.6	1206.8	1183.3	1134.5	1066.5
12.5°	1045.1	1048.4	1085.7	1152.6	1200.8	1212.3	1233.1	1241.3	1235.3	1200.8	1130.1
15°	1104.9	1112.6	1144.3	1194.2	1214.5	1200.8	1214.5	1229.3	1249.6	1246.3	1182.7
17.5°	1163.5	1169.0	1201.3	1218.9	1196.4	1160.8	1167.4	1184.9	1230.9	1275.9	1234.8
20°	1217.8	1225.5	1252.3	1229.3	1161.3	1106.0	1106.5	1129.5	1199.7	1294.0	1287.9
22.5°	1274.8	1286.3	1305.5	1240.8	1129.0	1062.7	1065.4	1086.2	1175.0	1311.0	1348.2
25°	1349.3	1360.3	1372.9	1269.3	1118.6	1041.3	1051.7	1070.9	1175.0	1340.0	1422.8
27.5°	1450.2	1457.8	1458.4	1322.5	1136.7	1044.6	1066.5	1088.4	1210.1	1398.1	1522.5
30°	1576.8	1588.8	1572.9	1405.2	1193.1	1088.4	1120.8	1148.2	1285.7	1496.2	1669.4
32.5°	1730.8	1747.8	1726.4	1528.0	1311.0	1239.7	1298.3	1314.2	1406.3	1638.1	1836.0
35°	1911.6	1925.9	1902.9	1697.9	1586.1	1599.2	1705.6	1685.3	1648.6	1813.0	2030.5
37.5°	2110.0	2123.2	2078.8	1955.5	1992.7	2049.7	2219.6	2150.0	2031.6	2038.2	2241.6
40°	2292.0	2306.2	2236.6	2235.5	2312.2	2416.4	2621.4	2525.4	2364.3	2333.1	2439.4
42.5°	2480.5	2490.4	2427.3	2384.6	2558.9	2773.2	2990.2	2860.9	2584.6	2550.7	2687.1
45°	2749.6	2770.4	2658.1	2458.0	2780.8	3183.7	3486.2	3233.5	2734.8	2707.4	3066.4
47.5°	3145.3	3160.6	2931.6	2504.1	2987.5	3695.0	4106.0	3716.9	2866.9	2804.4	3584.8
50°	3472.5	3482.9	3183.1	2554.5	3207.2	4246.3	4812.5	4290.2	3015.4	2965.0	4068.8
52.5°	3713.6	3753.1	3513.6	2658.1	3496.1	4894.7	5594.6	4969.2	3247.2	3275.2	4469.9
55°	3763.5	3817.2	3739.4	2721.6	3750.3	5555.1	6316.9	5577.0	3478.5	3510.3	4604.8
57.5°	3307.5	3350.3	3414.9	2465.2	3744.3	5857.6	6736.2	5778.7	3373.3	3148.0	4100.0
60°	2477.8	2507.4	2624.6	1884.2	3443.4	5590.2	6409.5	5435.6	2949.6	2402.1	3123.9
62.5°	1469.3	1482.5	1631.0	1220.5	2858.1	4814.1	5315.6	4690.3	2330.9	1615.7	1913.3
65°	564.0	558.5	671.9	602.3	2101.8	3834.8	3953.7	3575.5	1599.2	740.4	729.5
67.5°	87.1	83.3	112.4	178.1	1515.9	2657.5	2608.7	2577.0	1001.8	172.6	150.7
70°	19.7	19.7	24.1	52.6	926.2	1561.4	1671.0	1593.2	641.2	36.7	19.7
72.5°	9.3	9.3	11.5	22.5	335.4	643.4	749.7	738.2	208.3	12.1	7.1
75°	3.3	3.8	3.8	4.9	20.3	33.4	76.7	54.8	13.2	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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	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°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
2.5°	796.9	793.0	778.8	759.6	741.0	724.5	707.5	687.3	672.5	655.5	650.0
5°	885.7	861.5	822.6	782.1	744.8	713.0	682.3	649.4	625.3	601.2	593.0
7.5°	960.7	925.1	862.1	801.3	750.3	705.3	661.0	616.0	580.9	552.4	543.7
10°	1028.2	987.0	902.6	827.6	763.4	711.4	657.7	601.2	555.7	521.7	513.5
12.5°	1086.2	1038.6	937.2	847.3	768.9	709.2	657.1	612.2	571.1	532.2	521.7
15°	1135.0	1082.4	966.2	860.4	760.7	681.8	636.3	629.2	625.9	583.1	562.9
17.5°	1182.7	1123.5	989.8	866.5	737.7	633.6	600.7	633.0	667.5	639.6	613.8
20°	1232.6	1165.2	1013.9	867.6	699.3	579.3	573.8	624.8	668.6	659.9	635.7
22.5°	1291.2	1217.2	1044.0	867.0	651.1	533.3	554.1	608.9	644.5	644.0	624.8
25°	1376.2	1283.0	1084.6	870.3	598.5	497.6	532.2	582.0	611.1	610.0	594.1
27.5°	1467.1	1361.4	1137.2	878.5	553.5	476.8	506.4	545.3	570.5	569.4	555.7
30°	1594.8	1451.8	1187.6	879.1	521.2	465.8	477.9	504.8	528.9	526.1	515.7
32.5°	1749.9	1553.7	1229.8	847.8	500.9	455.4	448.3	462.0	480.6	476.8	474.1
35°	1937.4	1674.9	1266.0	779.3	469.7	434.6	415.4	418.2	431.3	433.5	432.4
37.5°	2151.1	1819.0	1311.0	688.9	427.5	404.5	378.7	376.5	384.2	391.3	396.8
40°	2362.1	1981.2	1371.8	597.4	389.1	366.1	341.4	336.0	339.2	351.9	363.4
42.5°	2599.4	2169.2	1437.6	519.0	362.8	323.9	300.3	289.9	299.2	319.5	333.2
45°	2941.4	2432.8	1501.7	456.5	351.9	286.6	254.8	253.8	264.2	290.5	305.8
47.5°	3421.5	2773.7	1543.9	407.8	351.3	257.6	219.8	226.3	238.4	264.2	281.7
50°	3889.6	3200.6	1497.3	370.5	339.8	238.4	193.5	206.6	218.7	241.1	259.2
52.5°	4171.8	3430.3	1315.9	335.4	304.2	229.6	167.7	190.7	192.9	213.2	232.4
55°	4142.2	3281.8	1007.9	281.2	251.6	217.0	140.9	172.1	173.2	188.5	205.0
57.5°	3595.2	2817.6	692.2	228.0	189.1	179.2	116.2	145.2	155.6	165.0	177.0
60°	2679.4	2055.8	308.6	185.2	120.0	121.1	99.2	109.6	125.5	136.5	146.9
62.5°	1579.0	1182.7	125.5	111.3	66.3	76.2	80.0	80.0	89.9	98.1	104.7
65°	596.8	413.8	51.0	55.9	34.5	35.6	47.1	58.1	65.8	72.9	81.7
67.5°	104.7	72.3	26.3	20.8	20.3	18.1	24.1	37.8	42.2	47.7	51.5
70°	17.5	14.8	11.0	10.4	9.3	9.9	15.9	26.9	29.6	31.2	32.9
72.5°	4.9	4.4	3.3	2.7	2.2	2.7	9.9	20.8	21.9	23.0	24.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.8	15.9	16.4	18.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.4	5.5	4.4
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°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
2.5°	646.7	635.7	629.7	626.4	626.4	622.0	617.1	615.5	622.6	622.6	634.6
5°	582.6	573.8	564.0	557.9	548.6	550.2	544.8	544.2	551.3	554.6	567.2
7.5°	538.2	527.2	521.2	517.4	512.4	510.2	505.3	503.7	507.5	513.0	525.0
10°	508.6	507.0	506.4	509.1	509.1	506.4	502.0	499.3	500.4	510.8	524.5
12.5°	516.3	519.6	520.7	525.0	527.2	525.0	521.7	522.8	530.0	549.2	569.4
15°	549.7	547.0	545.9	548.1	549.7	547.5	546.4	554.6	579.3	606.7	629.7
17.5°	585.3	567.8	560.1	560.1	561.2	560.1	561.2	577.1	617.1	644.5	661.5
20°	603.4	571.1	559.0	556.3	558.5	559.0	562.9	580.9	624.8	644.0	647.8
22.5°	597.9	557.4	543.7	541.5	543.7	545.9	549.7	565.0	606.2	616.0	614.4
25°	570.5	530.5	519.6	519.6	524.5	523.9	525.6	536.5	570.5	576.6	573.8
27.5°	536.0	498.2	488.9	494.3	498.7	497.6	498.2	507.5	532.7	534.4	531.6
30°	500.9	468.0	459.3	465.8	471.9	470.8	471.3	480.6	496.5	494.9	491.1
32.5°	465.3	441.2	434.6	438.4	447.8	446.7	448.9	458.7	464.8	457.6	453.2
35°	432.4	419.8	414.9	417.1	424.2	425.8	429.7	436.3	436.3	427.5	419.8
37.5°	401.7	400.1	396.8	394.1	400.6	405.6	411.0	418.7	407.8	395.1	388.0
40°	373.2	380.4	376.0	368.8	372.7	379.8	390.8	396.8	383.6	371.0	359.0
42.5°	346.9	359.0	357.3	348.6	351.9	358.4	371.0	376.0	360.6	346.4	334.9
45°	321.7	338.7	339.8	328.8	332.1	338.7	353.5	355.1	335.4	320.1	311.8
47.5°	299.8	318.4	319.0	310.7	311.8	321.2	334.9	335.4	312.9	298.7	288.3
50°	279.0	300.3	302.0	294.9	296.0	306.9	318.4	316.2	292.1	277.3	268.0
52.5°	253.8	282.8	286.6	283.3	287.7	296.5	303.6	296.0	268.0	253.2	245.0
55°	226.3	264.2	272.4	270.2	275.1	282.2	283.9	279.0	243.9	229.1	221.4
57.5°	194.6	217.6	231.8	227.4	231.3	238.4	243.3	239.5	213.2	201.7	195.1
60°	161.1	176.5	179.8	172.6	169.3	182.0	193.5	188.5	166.1	158.9	151.3
62.5°	117.8	135.4	137.6	128.2	124.4	138.1	148.0	143.0	118.4	110.7	104.7
65°	94.3	110.7	115.1	106.3	104.1	114.5	120.6	108.5	91.0	82.8	76.2
67.5°	61.9	75.1	86.6	86.0	81.7	84.9	80.6	70.7	58.1	53.7	49.3
70°	38.4	46.0	53.2	55.9	55.4	54.3	48.2	41.1	37.3	35.6	33.4
72.5°	29.6	37.3	42.7	44.4	44.9	43.3	38.4	31.8	28.0	25.8	24.1
75°	21.9	28.0	32.3	34.5	35.6	34.5	29.6	25.2	21.4	19.7	18.1
77.5°	7.7	9.3	11.5	12.6	12.1	11.5	10.4	10.4	8.2	7.7	6.6
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
2.5°	648.4	658.2	676.3	692.7	710.3	728.4	748.1	768.4	777.7	776.6
5°	586.4	607.8	637.4	669.7	705.9	744.8	788.1	832.5	851.7	859.9
7.5°	547.5	577.7	616.6	657.7	705.3	760.7	825.9	895.5	923.5	932.8
10°	552.4	587.5	619.9	659.9	710.8	782.6	863.7	946.5	979.4	989.8
12.5°	592.4	600.1	608.9	641.8	705.9	799.1	898.3	996.9	1034.7	1045.1
15°	628.6	593.0	576.6	606.7	688.4	810.6	933.3	1051.2	1092.8	1104.9
17.5°	630.3	576.6	539.8	563.4	659.9	815.5	967.9	1106.5	1152.0	1163.5
20°	610.0	558.5	511.3	511.9	620.9	814.4	996.4	1156.4	1207.4	1217.8
22.5°	580.4	537.1	488.3	471.3	579.3	812.2	1027.6	1209.6	1264.9	1274.8
25°	547.5	509.7	466.4	440.6	537.6	814.4	1071.5	1279.2	1340.0	1349.3
27.5°	511.9	479.5	449.4	428.6	502.6	822.6	1124.1	1367.9	1440.3	1450.2
30°	474.6	450.5	438.4	425.8	480.6	824.8	1181.1	1471.5	1563.1	1576.8
32.5°	437.9	424.7	425.3	427.5	459.8	809.5	1233.1	1586.6	1708.8	1730.8
35°	403.9	400.1	411.0	422.0	429.7	770.0	1278.6	1722.5	1889.2	1911.6
37.5°	374.9	378.2	391.9	402.8	396.8	714.1	1338.9	1892.4	2090.8	2110.0
40°	346.9	355.1	371.0	376.0	371.6	648.9	1411.2	2056.3	2265.7	2292.0
42.5°	321.2	327.2	349.7	350.8	364.5	582.6	1480.8	2232.8	2466.8	2480.5
45°	300.3	299.2	322.3	329.4	373.8	509.1	1548.8	2467.9	2729.9	2749.6
47.5°	280.1	279.0	284.4	316.8	377.6	441.2	1616.2	2812.1	3111.3	3145.3
50°	260.9	262.5	245.5	310.7	356.8	389.1	1646.9	3130.5	3458.2	3472.5
52.5°	243.9	237.9	208.3	291.0	312.4	339.8	1559.8	3275.2	3673.1	3713.6
55°	219.8	186.3	171.5	236.2	246.6	296.5	1277.5	3191.3	3691.7	3763.5
57.5°	188.0	146.3	145.8	174.3	174.3	275.1	818.2	2726.6	3181.5	3307.5
60°	144.7	113.4	120.6	121.1	111.8	200.6	459.3	1975.2	2352.3	2477.8
62.5°	103.0	86.6	91.0	72.3	64.1	100.3	220.3	1137.2	1451.8	1469.3
65°	69.1	58.6	47.7	40.0	39.5	42.7	91.0	411.0	499.8	564.0
67.5°	45.5	35.6	25.2	25.2	28.5	28.5	34.5	68.0	95.4	87.1
70°	29.6	24.7	15.9	15.3	18.6	18.6	17.5	18.6	19.7	19.7
72.5°	21.9	18.6	9.3	8.2	10.4	11.0	9.9	9.3	9.3	9.3
75°	16.4	13.2	5.5	3.8	4.9	6.6	5.5	3.8	3.8	3.3
77.5°	6.6	4.9	2.2	1.6	2.7	3.8	3.3	1.6	1.1	1.1
80°	0.5	1.1	1.1	1.1	1.6	2.2	2.7	1.1	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.1	1.6	2.2	1.1	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.1	1.6	1.1	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	1.1	0.5	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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