

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: P630284

Luminaire Tested: GWS-SA1D-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630284  
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-SA1D-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

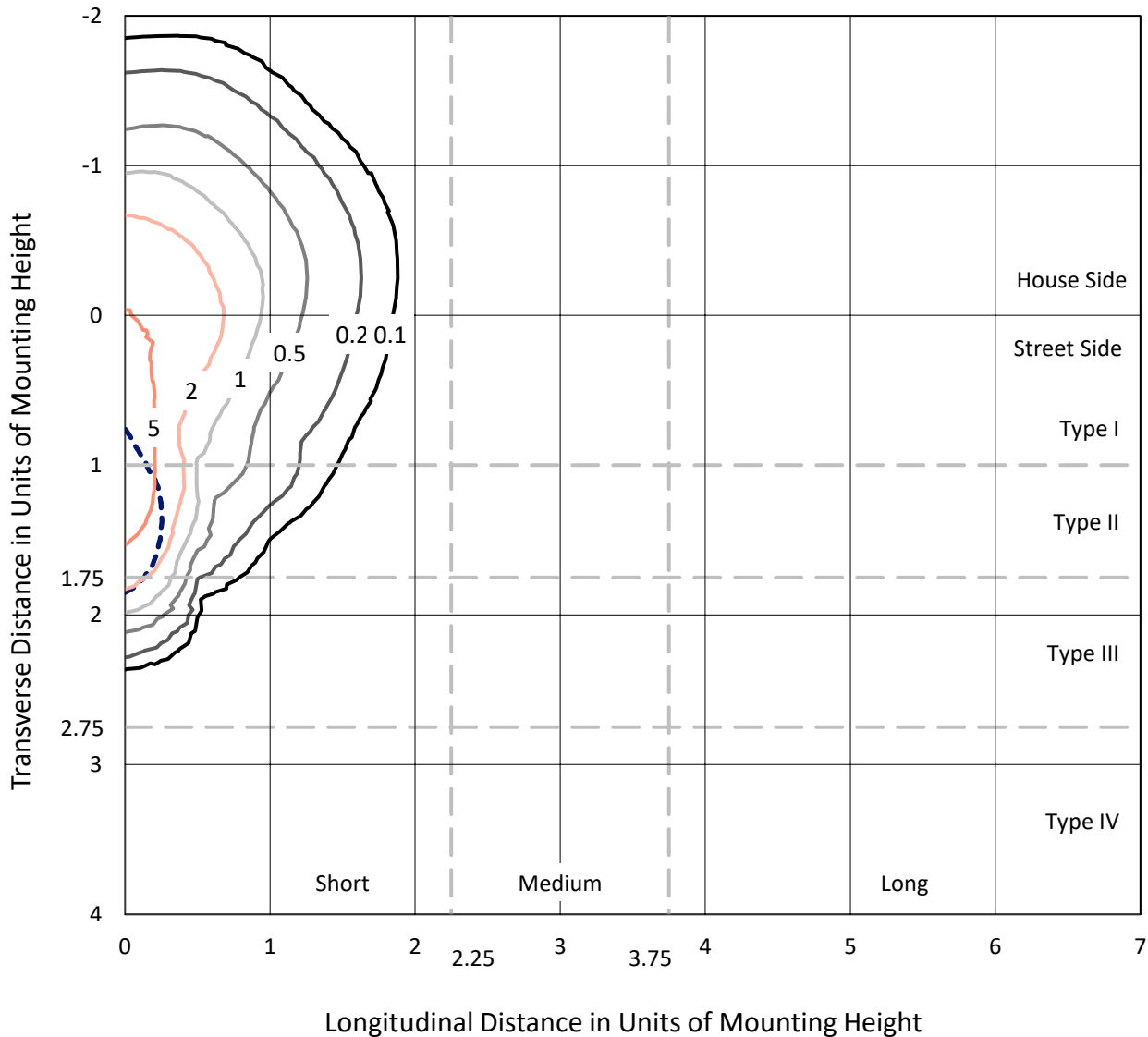
Lumens per Lamp: N/A  
Luminaire Lumens: 3207 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

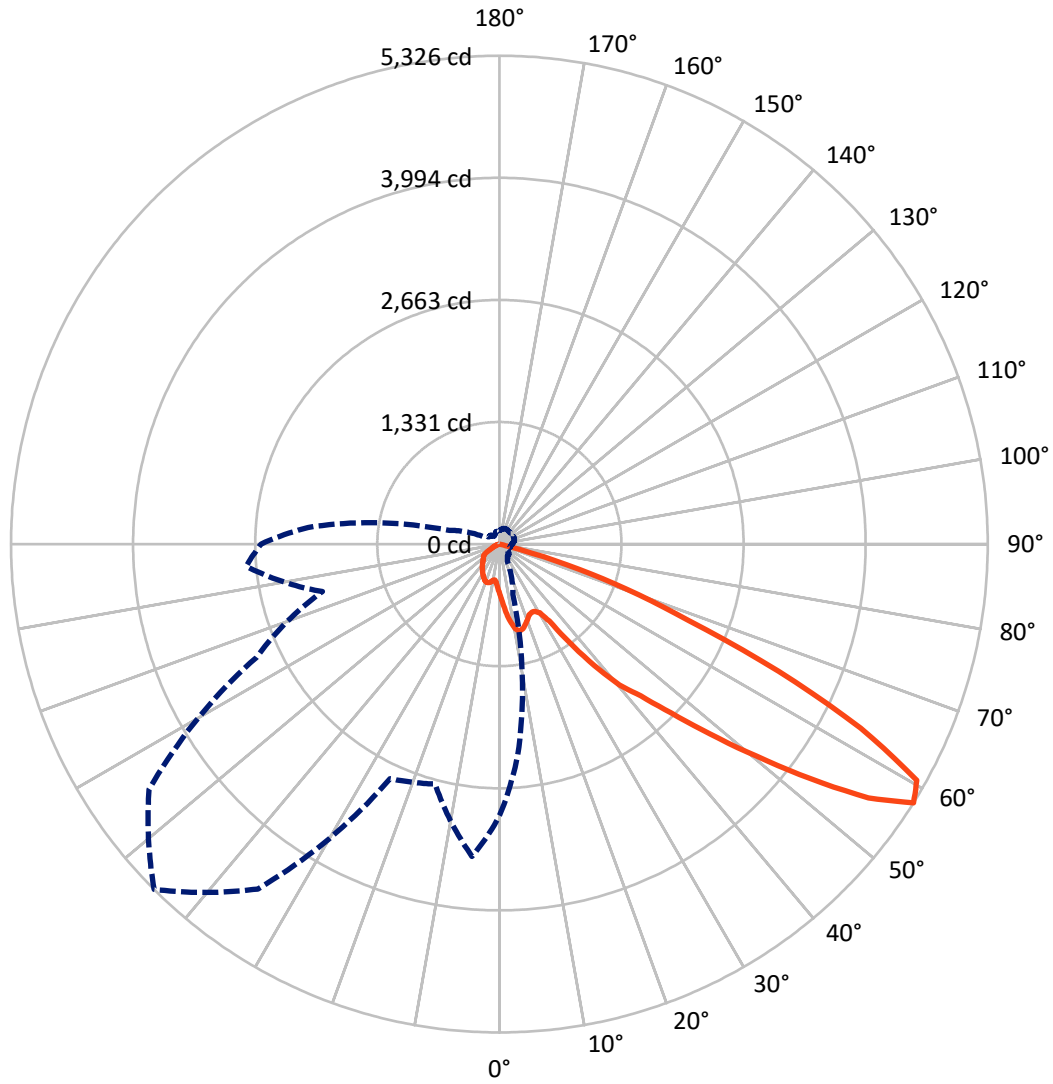
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	690.9	0.0	690.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	2516.1	0.0	2516.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	3207.0	0.0	3207.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.9	1.7
10°-20°	177.2	5.5
20°-30°	287.6	9.0
30°-40°	441.4	13.8
40°-50°	705.0	22.0
50°-60°	987.1	30.8
60°-70°	506.1	15.8
70°-80°	48.7	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°	3207.0	100.0
0°-180°	3207.0	100.0

**Coefficient of Utilization**



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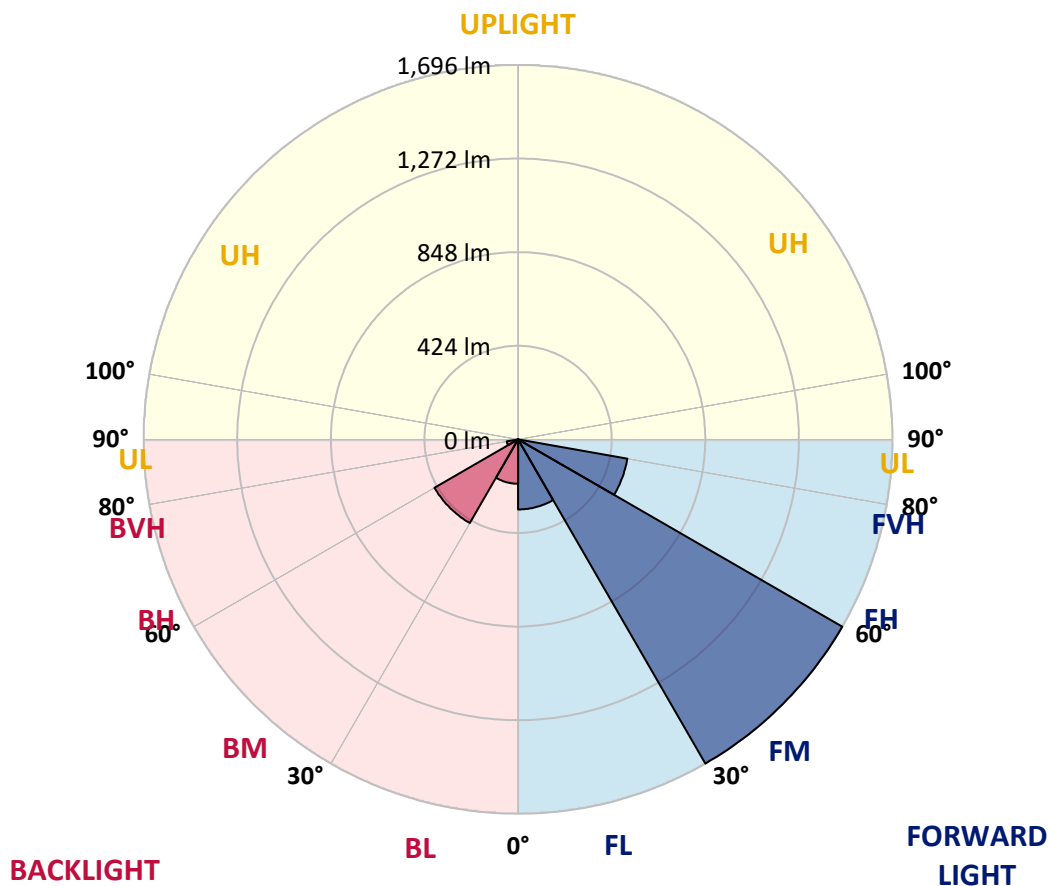
CATALOG NUMBER: GWS-SA1D-735-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.5	9.9			
FM (30°-60°)	1695.9	52.9			
FH (60°-80°)	502.7	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	201.2	6.3	B1/500		
BM (30°-60°)	437.5	13.6	B1/1000		
BH (60°-80°)	52.2	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°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	605.4	604.1	599.8	585.2	576.2	562.1	551.8	538.5	523.9	514.9	505.9
5°	669.7	666.2	654.7	621.2	595.5	567.6	545.3	520.9	494.8	477.6	461.7
7.5°	731.4	726.3	710.8	654.2	615.2	575.4	543.6	508.0	471.2	445.5	425.7
10°	791.9	780.3	755.9	686.4	633.7	585.6	548.3	507.6	464.3	431.7	409.9
12.5°	841.6	833.0	799.6	716.8	649.1	587.8	541.9	504.2	475.0	453.2	433.0
15°	884.5	875.0	843.3	744.3	662.4	579.2	514.9	481.9	486.6	495.2	478.0
17.5°	923.9	914.1	879.8	767.0	667.5	558.2	477.2	461.3	487.5	519.6	513.2
20°	964.6	953.5	911.5	785.4	665.8	525.2	439.0	443.7	480.6	517.5	520.9
22.5°	1012.2	1000.7	951.8	809.0	664.5	485.8	406.0	428.3	467.7	499.0	505.0
25°	1075.3	1061.5	1007.9	843.7	668.0	449.7	382.4	413.3	445.9	474.2	477.6
27.5°	1158.4	1140.9	1072.7	886.6	675.3	421.4	372.1	392.7	418.0	443.3	446.3
30°	1266.9	1244.6	1146.9	923.9	671.8	401.7	365.3	372.1	387.1	407.7	408.2
32.5°	1393.8	1363.4	1230.0	956.1	642.2	387.1	355.8	351.1	354.6	370.4	373.4
35°	1543.0	1503.6	1321.8	986.5	588.2	358.8	338.7	322.8	321.5	329.3	336.6
37.5°	1714.1	1666.9	1437.5	1025.5	524.3	329.3	313.4	297.5	290.7	294.5	305.7
40°	1871.8	1819.5	1558.4	1072.7	459.2	302.7	283.8	267.5	259.4	260.7	274.4
42.5°	2057.1	2003.0	1706.3	1134.4	405.2	284.7	253.0	236.2	225.5	231.5	247.4
45°	2338.3	2277.0	1922.0	1188.0	362.3	280.4	225.9	202.4	197.2	207.5	226.4
47.5°	2722.4	2647.4	2218.3	1220.6	325.8	284.2	207.1	174.9	176.2	187.8	206.6
50°	3103.6	3022.6	2560.8	1177.7	295.8	276.5	197.6	153.5	161.6	171.9	189.1
52.5°	3365.5	3260.1	2727.6	1053.8	268.4	247.4	196.8	133.3	148.8	152.2	166.8
55°	3375.8	3245.9	2642.3	830.9	231.1	208.8	187.8	116.6	134.6	135.9	148.3
57.5°	2959.1	2841.6	2309.1	570.6	205.4	153.1	149.6	102.0	110.6	121.3	129.0
60°	2251.3	2151.4	1726.9	261.5	156.1	97.3	102.5	87.9	82.7	98.6	106.3
62.5°	1378.8	1314.9	1035.8	115.8	99.5	51.9	62.2	69.9	62.2	68.2	74.6
65°	547.5	519.2	393.1	49.3	40.7	26.2	28.3	40.7	43.7	48.0	54.0
67.5°	95.2	90.0	66.0	21.9	16.7	15.9	13.7	18.9	26.6	29.6	34.3
70°	12.4	12.0	10.7	9.0	8.6	7.7	6.0	12.0	18.0	18.9	21.9
72.5°	3.0	2.6	2.6	2.1	2.6	0.9	0.9	6.4	12.9	13.3	15.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.1	9.0	10.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	498.6	490.0	487.0	482.8	477.2	478.9	471.2	468.6	472.5	477.6	476.3
5°	453.2	443.7	437.3	427.4	425.7	421.9	419.3	415.9	420.2	426.2	427.4
7.5°	417.2	409.0	402.6	399.6	397.4	395.7	390.6	388.0	388.0	390.6	392.7
10°	401.7	395.7	394.4	395.3	398.7	398.3	393.6	390.1	385.9	383.7	386.3
12.5°	423.2	413.3	411.6	412.0	416.3	415.9	410.7	406.4	405.6	406.4	414.6
15°	459.6	444.6	433.4	431.3	433.4	432.6	428.7	426.2	427.4	439.9	453.6
17.5°	492.2	469.0	448.9	441.2	440.7	439.4	435.6	434.7	441.2	464.3	484.5
20°	501.6	478.9	450.2	440.3	438.2	436.9	432.6	433.9	442.0	469.9	487.0
22.5°	489.2	467.3	437.3	427.4	425.7	425.3	421.0	422.7	429.6	454.0	468.2
25°	465.6	447.2	415.9	407.3	407.3	406.4	402.6	403.4	407.7	429.2	442.9
27.5°	436.9	419.3	393.1	384.6	385.9	387.1	382.4	381.1	384.6	404.7	412.9
30°	403.9	391.4	370.9	363.1	362.7	367.9	361.4	359.7	364.4	380.3	382.0
32.5°	371.7	365.7	351.1	345.1	345.6	346.4	343.0	343.0	347.3	355.8	355.4
35°	340.4	336.6	334.0	329.7	329.3	327.6	327.6	328.4	333.1	336.1	330.6
37.5°	310.4	314.3	317.3	313.0	309.5	309.5	309.5	313.4	317.7	316.4	307.0
40°	283.8	292.0	301.4	296.7	288.5	288.1	289.8	296.3	302.7	295.0	286.4
42.5°	261.1	271.4	284.7	282.1	273.1	271.8	273.1	281.2	286.4	276.5	267.1
45°	238.8	251.7	267.5	267.5	257.7	256.4	256.8	267.5	270.5	259.0	246.9
47.5°	219.9	234.1	250.8	250.8	242.7	240.1	242.2	253.4	255.5	239.2	228.1
50°	201.9	217.4	235.8	234.5	228.9	226.8	230.7	242.7	240.1	222.1	210.5
52.5°	179.2	195.5	220.8	222.1	219.1	219.5	224.2	231.9	224.7	202.8	192.9
55°	158.6	175.4	200.6	207.5	207.5	207.1	209.2	215.2	209.2	183.1	171.1
57.5°	136.3	150.5	171.5	173.2	174.5	169.8	172.8	180.9	177.9	155.6	148.8
60°	111.9	123.9	135.9	137.2	131.6	121.8	127.3	136.8	138.9	122.2	114.5
62.5°	79.3	90.9	105.0	105.0	99.5	89.6	96.9	105.0	102.0	84.9	80.2
65°	59.2	69.9	80.6	85.3	80.6	73.7	79.3	85.3	80.6	66.5	59.6
67.5°	38.2	45.4	51.9	55.7	56.6	55.7	58.3	56.6	51.0	41.6	37.7
70°	23.2	27.0	30.4	33.9	36.4	37.7	39.0	35.2	29.6	24.4	23.2
72.5°	16.7	20.2	23.2	25.7	28.7	29.6	29.6	27.0	21.9	17.1	15.9
75°	11.6	14.6	17.1	18.9	21.4	22.3	22.3	20.2	16.3	12.4	11.1
77.5°	0.4	3.0	3.0	2.6	3.4	4.3	4.3	5.1	4.7	3.4	3.0
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°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	478.9	494.3	498.6	514.5	528.6	542.8	559.9	570.2	585.6	596.4	602.4
5°	431.7	444.6	460.0	483.6	508.0	535.1	567.6	595.9	631.5	657.7	666.2
7.5°	397.4	414.2	432.2	461.7	495.2	531.2	577.1	623.4	677.8	713.4	736.1
10°	391.0	408.2	432.2	461.3	496.5	537.6	593.8	653.8	722.0	765.3	791.0
12.5°	421.9	440.3	450.6	463.9	490.5	536.3	608.4	684.7	764.9	812.0	839.5
15°	467.3	483.6	466.9	450.2	467.3	522.6	616.5	710.4	802.6	857.0	885.3
17.5°	498.6	499.9	463.5	427.9	432.6	497.8	619.5	736.1	842.9	899.9	929.5
20°	495.6	485.3	448.5	409.0	394.4	465.6	616.1	758.9	883.6	943.2	972.4
22.5°	472.5	460.5	429.2	390.6	362.3	427.4	610.1	779.4	920.9	988.7	1016.1
25°	444.6	431.7	406.0	372.1	341.7	390.6	605.4	807.7	968.1	1047.8	1069.3
27.5°	412.0	400.9	379.0	354.6	333.1	362.7	604.1	845.0	1025.1	1119.8	1134.9
30°	380.3	370.0	352.8	338.7	329.7	346.4	599.8	884.9	1093.3	1202.6	1218.9
32.5°	349.8	339.6	328.8	326.7	327.1	340.4	585.2	924.3	1174.3	1322.6	1334.6
35°	323.7	311.7	307.4	312.5	322.0	330.1	544.1	956.9	1261.3	1453.4	1463.3
37.5°	298.8	286.8	286.4	298.8	309.1	314.3	495.6	989.1	1378.8	1586.3	1598.7
40°	276.1	264.1	268.4	283.4	291.5	294.1	436.9	1038.0	1503.1	1726.5	1719.6
42.5°	256.8	244.4	246.9	266.2	273.5	280.4	382.9	1078.7	1622.7	1859.4	1857.3
45°	237.9	228.5	226.8	247.8	254.2	281.7	343.4	1110.0	1776.7	2028.8	2032.2
47.5°	219.5	212.2	212.7	221.7	237.5	288.1	310.0	1130.6	2000.0	2297.1	2237.5
50°	202.8	197.2	201.9	191.6	226.8	280.0	281.2	1126.3	2249.6	2554.4	2434.8
52.5°	184.4	183.1	185.2	160.3	209.6	246.9	254.2	1069.3	2366.6	2730.2	2662.0
55°	165.5	165.1	147.9	128.2	175.4	197.2	217.8	892.2	2362.7	2823.6	2906.4
57.5°	143.2	139.8	112.3	104.6	136.3	137.2	198.5	584.4	2093.9	2599.8	2771.3
60°	108.5	105.9	82.3	84.9	95.2	87.9	158.2	291.1	1564.9	2025.3	2218.7
62.5°	75.0	71.6	61.3	65.6	61.3	50.2	96.9	144.1	947.9	1278.9	1454.3
65°	54.9	51.0	42.0	36.0	28.7	28.7	36.9	55.3	367.0	543.6	655.5
67.5°	33.9	32.2	24.9	18.0	17.6	18.9	19.3	27.4	59.2	94.3	115.3
70°	21.9	20.2	16.7	11.6	10.7	11.1	11.6	12.9	15.0	16.3	19.7
72.5°	15.0	14.1	12.0	6.4	5.1	5.6	6.0	6.0	7.3	6.9	8.1
75°	10.7	9.9	8.6	3.0	1.7	2.1	2.6	2.1	2.6	1.7	2.1
77.5°	3.0	3.0	2.1	0.4	0.0	0.4	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9	544.9
2.5°	617.8	627.7	631.5	625.9	630.7	622.9	619.9	608.4	607.5	605.4
5°	701.0	723.3	736.6	744.7	735.3	725.0	709.5	683.0	674.8	669.7
7.5°	782.9	817.6	840.3	851.0	848.5	827.5	799.6	755.0	739.1	731.4
10°	854.0	896.5	923.9	937.2	931.6	913.2	873.3	817.6	796.6	791.9
12.5°	903.8	942.8	961.6	973.2	973.6	966.4	928.6	872.5	847.6	841.6
15°	935.1	951.8	952.2	959.1	971.1	987.4	969.8	920.1	893.5	884.5
17.5°	954.8	936.3	917.5	919.2	938.9	982.2	1000.2	962.1	933.8	923.9
20°	968.9	910.6	875.5	875.9	896.0	961.6	1021.2	1002.8	973.6	964.6
22.5°	977.9	887.9	837.7	836.5	857.9	937.2	1040.5	1051.2	1022.5	1012.2
25°	996.4	877.2	815.0	822.3	841.2	929.5	1066.7	1115.6	1089.0	1075.3
27.5°	1029.4	887.9	812.9	829.6	851.0	952.2	1112.1	1201.3	1173.9	1158.4
30°	1086.4	928.2	845.9	869.0	894.8	1011.8	1188.4	1320.9	1281.5	1266.9
32.5°	1178.2	1011.8	947.9	997.7	1022.5	1109.6	1302.9	1455.1	1423.0	1393.8
35°	1304.6	1202.6	1195.3	1311.1	1305.1	1294.8	1443.5	1619.7	1571.3	1543.0
37.5°	1478.7	1509.6	1563.6	1678.5	1674.6	1596.2	1628.3	1775.4	1750.5	1714.1
40°	1696.1	1761.7	1853.4	2018.0	1966.6	1868.0	1855.1	1934.9	1914.7	1871.8
42.5°	1824.2	1937.4	2112.4	2260.3	2219.1	2046.8	2032.2	2147.9	2103.8	2057.1
45°	1883.8	2080.6	2423.6	2623.8	2499.1	2165.5	2159.9	2425.8	2400.9	2338.3
47.5°	1911.3	2225.1	2788.0	3091.1	2857.9	2269.7	2249.6	2828.8	2796.2	2722.4
50°	1941.7	2424.5	3227.1	3632.6	3291.4	2387.6	2402.2	3204.3	3190.6	3103.6
52.5°	2008.6	2635.4	3767.7	4251.7	3817.0	2572.4	2664.1	3558.5	3465.9	3365.5
55°	2108.9	2865.2	4330.2	4884.1	4353.3	2820.6	2947.5	3746.7	3486.9	3375.8
57.5°	1997.9	2922.7	4663.3	5325.7	4591.3	2821.5	2707.9	3420.4	3066.7	2959.1
60°	1585.4	2719.0	4535.1	5230.1	4388.5	2505.5	2073.3	2670.6	2323.3	2251.3
62.5°	1071.8	2280.4	3992.3	4423.2	3756.1	1970.9	1347.5	1736.8	1438.4	1378.8
65°	587.4	1701.2	3225.8	3346.2	2939.8	1376.7	693.3	753.7	574.1	547.5
67.5°	162.1	1184.2	2373.5	2220.0	2062.6	896.5	179.2	134.6	96.0	95.2
70°	40.7	783.3	1422.1	1465.8	1264.8	574.1	34.3	16.3	12.9	12.4
72.5°	17.1	337.0	674.8	775.6	647.4	265.8	12.4	4.7	3.9	3.0
75°	2.1	27.0	57.4	87.0	59.6	28.7	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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