

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: P629794

Luminaire Tested: GWS-SA1C-735-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4443.1 lumens
Efficiency: N/A
Efficacy: 130.3 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

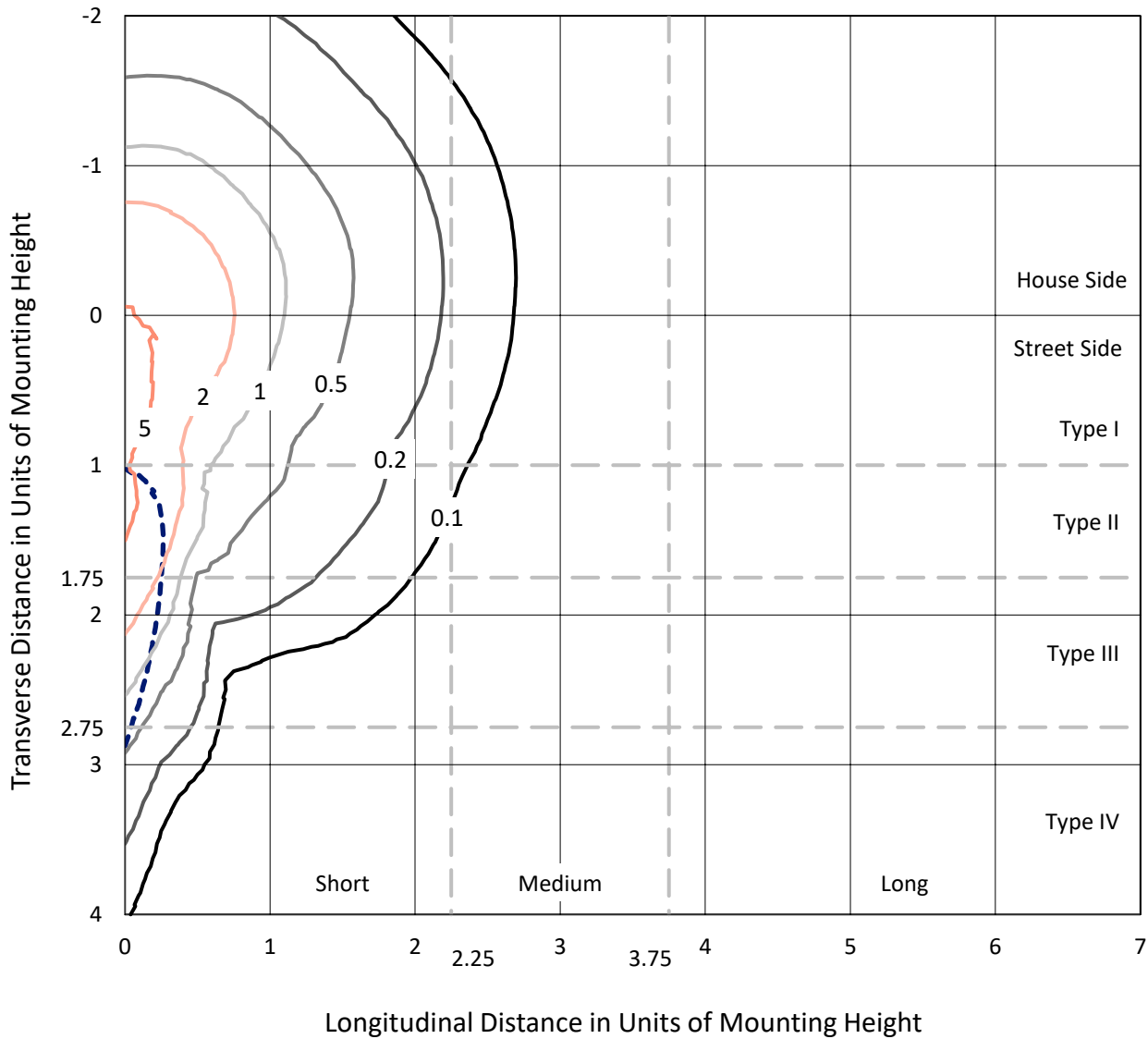
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

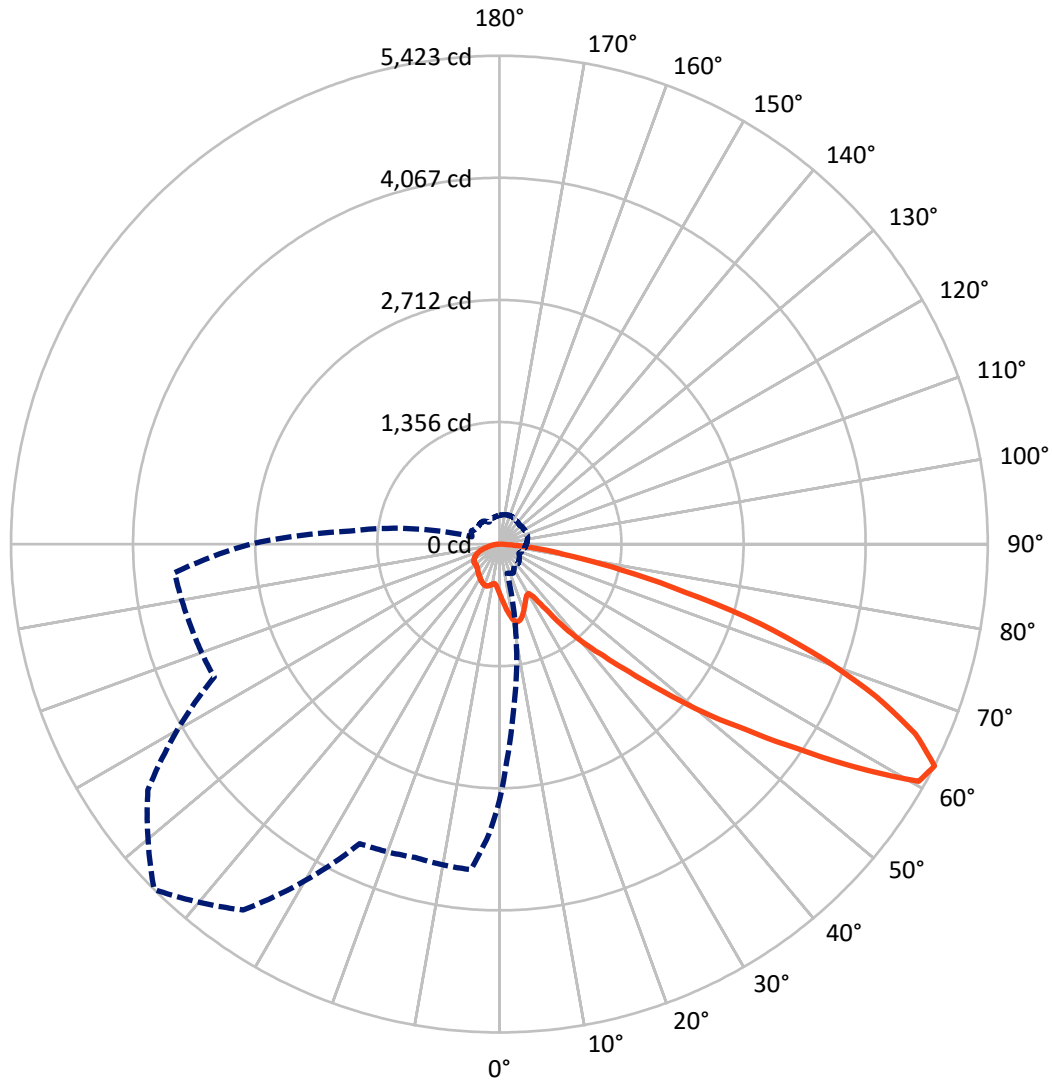
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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
House Side	Lumens	1062.3	0.0	1062.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3380.8	0.0	3380.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	4443.1	0.0	4443.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	1.2
10°-20°	177.4	4.0
20°-30°	279.2	6.3
30°-40°	382.7	8.6
40°-50°	597.2	13.4
50°-60°	1029.6	23.2
60°-70°	1193.2	26.9
70°-80°	629.8	14.2
80°-90°	99.5	2.2
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°	4443.1	100.0
0°-180°	4443.1	100.0

Coefficient of Utilization

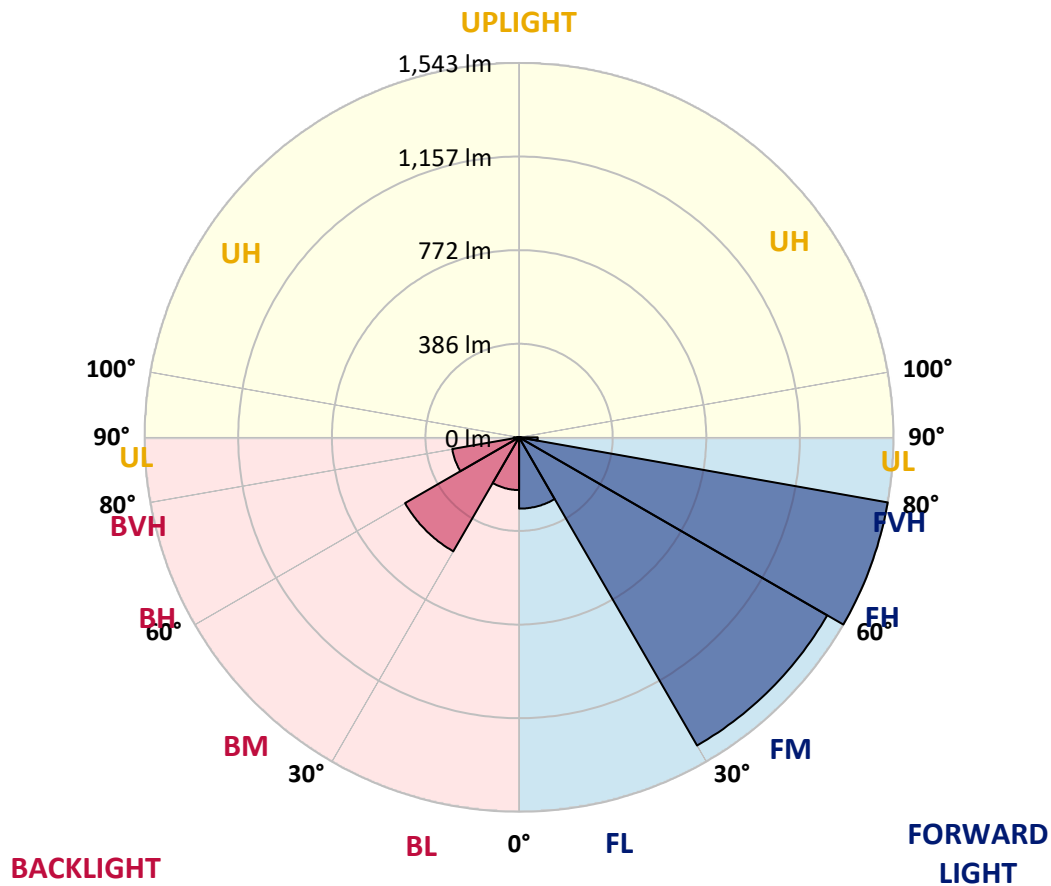


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.9	6.6			
FM (30°-60°)	1466.8	33.0			
FH (60°-80°)	1543.3	34.7			G1/1800
FVH (80°-90°)	76.8	1.7			G1/100
BL (0°-30°)	217.3	4.9	B1/500		
BM (30°-60°)	542.6	12.2	B1/1000		
BH (60°-80°)	279.7	6.3	B1/500		G1/500
BVH (80°-90°)	22.7	0.5			G1/100
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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
2.5°	601.9	599.5	596.1	584.5	577.4	569.3	560.8	550.9	539.7	531.9	524.1
5°	652.9	649.1	641.0	613.4	594.4	573.7	556.3	536.6	517.3	504.0	490.7
7.5°	701.8	697.0	684.5	642.3	611.4	581.5	555.3	526.8	497.9	478.2	462.5
10°	750.7	740.9	724.9	669.9	629.1	594.4	564.5	529.5	491.1	464.2	447.6
12.5°	788.1	778.9	761.6	695.0	646.7	603.2	569.6	537.3	504.7	476.1	459.1
15°	823.1	811.2	791.5	718.5	661.4	602.9	559.4	531.2	526.4	519.3	497.2
17.5°	848.3	837.4	817.0	737.5	669.5	592.4	531.2	514.5	536.0	557.7	536.6
20°	870.4	857.8	837.1	750.7	671.2	568.9	496.9	497.2	530.9	560.8	555.7
22.5°	889.1	875.1	856.8	765.7	670.5	536.3	467.0	487.4	521.0	544.4	545.1
25°	912.2	900.6	885.3	787.8	670.5	503.0	445.2	475.5	504.3	524.1	523.4
27.5°	940.4	932.6	920.0	821.4	676.6	475.1	433.0	460.2	482.9	499.9	499.6
30°	972.0	964.8	955.3	857.1	687.2	454.4	426.2	441.1	457.8	471.4	471.4
32.5°	1004.3	1001.6	991.4	885.7	679.0	447.9	420.4	422.1	430.9	442.2	441.1
35°	1049.1	1046.4	1033.5	907.8	643.7	438.8	411.2	402.7	403.7	410.9	413.3
37.5°	1114.7	1110.6	1091.6	933.6	590.3	415.6	396.3	382.3	379.3	382.3	386.8
40°	1193.9	1187.8	1162.0	968.6	528.8	384.4	372.8	361.3	356.2	357.2	362.3
42.5°	1293.1	1280.2	1243.2	1005.6	468.0	356.8	346.7	339.5	333.7	333.1	342.9
45°	1454.2	1418.9	1360.1	1038.6	416.7	342.2	323.2	318.1	313.3	316.1	327.6
47.5°	1735.6	1670.4	1555.9	1066.8	385.4	342.6	304.5	299.1	298.7	304.2	317.1
50°	2122.4	2028.3	1851.5	1085.8	369.1	346.7	293.3	284.5	290.9	296.4	308.6
52.5°	2492.8	2349.1	2138.7	1085.5	361.9	347.3	296.4	270.9	290.9	292.3	303.8
55°	2809.2	2548.9	2216.2	974.0	351.7	344.6	308.2	260.3	287.2	292.3	301.5
57.5°	3060.7	2676.0	2210.4	786.8	382.7	329.7	315.4	257.9	276.3	293.0	303.5
60°	3032.9	2617.9	2068.0	482.9	379.6	303.2	314.4	262.4	257.9	283.8	301.1
62.5°	2847.6	2409.6	1823.0	335.1	356.5	287.9	297.7	270.2	241.0	270.5	289.6
65°	2588.3	2140.7	1519.1	256.9	295.3	288.5	269.5	264.7	226.0	249.5	269.8
67.5°	2245.4	1807.3	1199.3	203.6	206.0	249.8	244.7	235.2	212.1	230.8	249.1
70°	1688.1	1319.0	825.2	163.8	156.0	208.7	219.9	211.4	198.5	203.9	223.3
72.5°	1189.5	861.2	452.0	129.8	120.3	160.4	191.0	189.6	175.4	179.4	198.5
75°	884.0	609.4	282.4	102.6	97.9	114.9	160.1	164.1	152.3	157.0	171.6
77.5°	588.3	394.6	157.0	76.1	76.1	83.9	119.3	138.3	129.5	133.2	143.4
80°	324.6	200.9	78.5	50.0	51.3	57.8	87.0	99.6	99.9	109.1	111.8
82.5°	102.6	63.9	35.0	29.2	27.5	33.0	56.1	71.4	66.6	85.0	78.2
85°	23.4	15.0	6.5	6.5	7.1	10.9	21.4	38.1	48.6	58.5	42.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	15.0	22.1	19.7
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°	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
2.5°	519.3	512.5	510.5	504.7	504.0	498.6	496.5	496.5	498.9	498.9	501.3
5°	485.3	476.8	472.1	465.3	463.6	459.5	456.8	457.1	460.2	462.2	466.3
7.5°	455.4	449.6	446.2	443.2	442.5	441.8	438.8	438.4	439.4	442.5	445.5
10°	442.8	438.8	439.8	442.2	445.9	447.9	445.2	443.8	442.8	444.9	447.6
12.5°	455.1	451.0	453.0	457.1	462.2	464.2	463.2	462.9	463.9	471.7	477.5
15°	481.9	474.1	471.4	473.1	477.2	479.2	478.2	479.5	486.0	506.4	521.0
17.5°	515.2	496.2	485.3	482.3	484.0	485.7	485.7	489.1	500.3	530.2	548.5
20°	533.2	508.4	490.1	482.6	483.3	485.0	485.0	489.7	502.3	534.3	546.1
22.5°	528.5	505.7	483.3	475.1	475.5	476.8	476.8	480.9	492.1	520.3	525.8
25°	509.8	489.7	467.6	460.5	461.2	463.6	462.9	465.3	473.8	496.9	499.9
27.5°	487.4	469.7	447.9	442.5	445.5	450.3	446.2	446.6	454.4	473.8	474.1
30°	463.2	448.6	429.2	425.2	430.9	433.3	429.6	429.6	437.4	450.6	450.3
32.5°	437.1	427.9	413.9	409.5	416.0	419.7	415.0	415.6	421.8	430.6	427.2
35°	412.6	407.8	401.4	398.3	402.4	405.8	402.7	404.1	409.9	412.2	407.5
37.5°	389.1	388.5	389.1	389.1	390.2	391.2	389.1	392.5	397.6	394.6	389.1
40°	368.7	371.5	377.9	376.2	375.2	376.2	374.9	380.6	385.7	380.3	373.8
42.5°	351.7	356.8	366.7	366.7	364.7	365.3	364.7	371.8	375.5	368.1	360.9
45°	337.1	344.6	357.2	358.9	355.5	355.5	356.8	365.7	367.0	356.8	349.4
47.5°	326.9	336.1	350.4	353.4	348.4	348.0	351.7	361.3	361.3	349.4	340.9
50°	319.8	330.0	347.0	351.1	346.0	344.6	350.7	359.9	357.9	343.6	335.1
52.5°	315.0	325.6	346.7	352.4	349.0	347.7	353.8	360.2	355.1	339.9	331.0
55°	312.0	323.5	347.7	352.4	348.7	346.3	352.4	358.2	355.5	337.8	329.3
57.5°	313.7	325.2	346.3	348.7	344.3	340.2	347.3	355.5	354.5	338.5	330.0
60°	311.0	321.5	338.8	339.5	332.0	325.6	336.1	348.4	348.4	336.1	328.6
62.5°	298.4	308.9	324.2	324.9	316.4	309.3	321.5	336.1	335.8	325.9	318.1
65°	277.7	287.5	304.8	306.5	298.1	290.6	303.2	316.7	317.8	308.9	302.1
67.5°	254.9	263.7	276.6	283.4	276.3	268.5	280.0	293.0	292.6	282.1	274.9
70°	227.7	235.9	247.8	253.5	249.1	241.6	252.2	259.0	255.9	250.8	246.1
72.5°	200.9	208.7	219.9	219.9	215.1	208.0	211.0	223.3	227.0	223.3	220.2
75°	172.6	179.4	187.3	189.0	178.4	165.5	179.8	190.3	194.7	193.0	189.3
77.5°	143.8	148.9	160.4	157.4	137.6	130.8	142.4	158.0	161.1	160.1	155.0
80°	110.8	113.9	126.1	120.0	104.7	100.3	105.4	117.6	118.3	114.9	108.4
82.5°	74.4	78.5	86.7	74.8	74.4	70.3	66.3	67.6	73.7	73.1	68.7
85°	38.1	40.1	47.9	44.9	38.4	33.3	31.6	33.6	30.2	27.5	23.8
87.5°	16.0	17.3	23.8	13.3	4.1	0.0	0.0	2.0	3.1	4.4	4.8
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°	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
2.5°	506.7	510.5	519.6	531.2	542.4	554.0	566.5	574.4	583.9	596.1	596.4
5°	471.4	479.9	493.1	510.8	529.2	550.2	574.7	595.1	619.6	638.9	646.7
7.5°	449.6	461.9	478.5	500.9	525.1	551.2	583.2	617.5	657.6	683.4	698.7
10°	451.7	470.4	487.0	506.0	527.8	556.0	597.1	642.7	691.9	725.9	745.0
12.5°	488.0	507.7	504.7	503.7	518.3	552.6	608.3	668.2	728.3	762.3	785.1
15°	533.9	541.4	512.5	490.7	499.6	540.4	614.5	690.9	758.6	800.0	822.4
17.5°	557.4	542.4	507.4	474.8	472.4	521.7	617.5	714.0	792.5	834.0	857.8
20°	546.5	524.7	495.2	464.2	447.2	496.2	615.8	732.4	823.5	869.7	889.1
22.5°	523.0	504.0	480.9	451.3	426.9	468.3	611.4	750.7	851.0	897.6	914.5
25°	497.5	483.3	464.2	438.4	415.3	443.8	608.3	775.2	882.6	927.1	938.0
27.5°	472.1	461.5	445.9	425.8	412.6	426.9	609.4	807.2	923.4	965.5	961.1
30°	446.9	437.7	426.9	418.0	412.2	422.8	606.6	841.1	968.2	1007.3	981.2
32.5°	423.1	414.6	407.8	409.2	412.6	424.5	592.7	872.1	1009.4	1042.7	1002.9
35°	402.7	393.9	393.9	398.6	411.2	418.7	556.7	896.2	1054.9	1088.2	1033.8
37.5°	383.7	375.9	381.0	388.8	400.7	403.1	510.5	919.6	1121.2	1152.4	1081.8
40°	367.0	359.2	368.4	378.3	384.4	383.4	463.6	952.3	1199.3	1231.6	1145.3
42.5°	353.8	346.7	354.8	367.4	368.4	369.4	429.2	983.5	1290.1	1331.2	1254.7
45°	342.9	337.8	341.9	354.5	354.5	370.1	407.8	1009.7	1426.7	1499.4	1455.6
47.5°	334.4	331.4	333.4	337.5	344.3	382.3	394.2	1029.8	1675.5	1818.2	1774.0
50°	329.7	326.6	329.3	320.8	341.2	388.5	389.8	1045.1	2003.4	2227.1	2172.3
52.5°	325.6	324.6	326.3	306.5	348.0	384.4	386.4	1024.7	2223.3	2629.5	2683.5
55°	324.2	324.9	316.7	296.0	356.2	370.8	376.2	878.9	2283.1	2976.4	3311.9
57.5°	324.9	322.9	302.1	297.0	356.5	343.6	390.8	627.0	2196.1	3127.3	3926.7
60°	322.5	312.3	284.5	306.2	340.9	311.6	380.3	408.8	1966.7	3011.4	3962.4
62.5°	312.0	297.0	269.2	311.3	313.0	292.6	345.3	315.0	1660.9	2763.4	3618.4
65°	296.7	276.6	256.3	300.8	284.8	283.8	259.6	252.5	1335.6	2468.0	3292.2
67.5°	271.5	251.5	246.7	276.6	256.3	251.5	208.7	209.4	1065.8	2153.3	2964.2
70°	243.0	222.9	226.7	250.1	228.0	209.0	168.9	174.3	808.5	1794.1	2522.1
72.5°	224.3	197.5	197.8	220.2	200.5	169.2	139.0	143.8	513.2	1352.3	2005.1
75°	189.3	174.0	166.5	178.4	170.3	131.9	116.9	115.9	304.2	969.3	1501.5
77.5°	158.0	146.1	142.4	147.2	127.1	97.5	94.1	92.4	172.3	620.9	983.9
80°	114.5	111.5	111.1	113.5	97.9	71.7	71.7	72.0	92.8	337.1	554.6
82.5°	72.7	79.5	70.3	78.2	66.6	51.0	47.6	54.0	53.4	143.8	233.8
85°	30.2	41.5	38.7	41.1	31.6	27.9	29.9	32.3	30.9	55.4	91.1
87.5°	5.8	6.8	7.5	7.1	7.1	8.8	9.9	11.9	11.9	16.0	27.5
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°	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
2.5°	609.4	619.2	617.2	621.6	615.8	617.9	606.3	603.2	601.2	601.9
5°	671.9	691.9	695.7	703.2	698.1	698.1	677.7	662.4	656.9	652.9
7.5°	735.4	764.3	783.4	785.4	782.7	777.2	747.7	720.2	710.3	701.8
10°	791.9	826.5	847.9	858.1	853.0	844.5	807.8	770.1	758.2	750.7
12.5°	835.0	865.6	879.9	886.7	886.0	882.9	853.0	812.3	799.7	788.1
15°	862.9	878.2	872.7	872.4	877.2	889.4	880.2	848.3	833.7	823.1
17.5°	880.9	866.3	842.2	830.9	841.1	870.0	891.1	873.1	859.8	848.3
20°	887.4	835.4	800.4	779.6	791.5	833.3	885.3	891.1	879.9	870.4
22.5°	879.9	797.6	750.1	725.6	737.1	787.1	868.3	905.7	898.2	889.1
25°	861.5	758.2	701.1	679.0	691.6	742.6	838.1	919.3	919.6	912.2
27.5°	838.8	721.9	666.8	646.1	658.3	705.9	808.5	931.2	943.1	940.4
30°	815.7	700.1	650.5	635.9	645.0	687.2	778.3	943.4	967.2	972.0
32.5°	805.1	710.6	688.9	695.3	683.4	698.1	767.4	960.8	996.5	1004.3
35°	819.0	804.1	859.2	884.6	842.5	787.1	781.3	986.9	1037.6	1049.1
37.5°	886.7	1004.3	1086.5	1176.2	1103.2	981.2	850.3	1031.5	1096.4	1114.7
40°	1033.8	1179.0	1327.5	1443.4	1332.9	1168.8	981.5	1097.7	1177.3	1193.9
42.5°	1172.5	1342.8	1547.4	1697.2	1553.8	1322.0	1122.9	1209.2	1284.0	1293.1
45°	1308.4	1503.5	1813.5	2021.8	1827.1	1467.8	1267.3	1397.5	1453.9	1454.2
47.5°	1467.8	1684.7	2147.2	2443.9	2189.7	1629.3	1402.9	1695.5	1774.0	1735.6
50°	1658.5	1864.8	2490.8	2935.0	2631.8	1827.7	1575.2	2058.8	2165.9	2122.4
52.5°	1913.7	2063.3	2869.4	3413.8	3113.7	2053.7	1825.0	2538.7	2574.1	2492.8
55°	2272.9	2349.8	3355.4	4005.2	3651.7	2332.1	2190.4	3140.9	3042.0	2809.2
57.5°	3091.0	2803.1	3979.4	4679.8	4260.4	2837.8	2991.1	3805.0	3453.3	3060.7
60°	3775.4	3353.7	4556.8	5349.3	4782.1	3395.1	3742.8	3920.6	3438.0	3032.9
62.5°	3544.7	3494.0	4765.1	5423.1	4960.2	3669.4	3603.1	3629.3	3213.7	2847.6
65°	3110.0	3223.2	4579.2	5073.3	4762.7	3423.7	3259.2	3360.1	2957.1	2588.3
67.5°	2853.4	2936.7	4248.5	4513.6	4403.8	3157.9	2991.7	2918.7	2558.8	2245.4
70°	2591.0	2660.0	3784.3	3811.1	3844.1	2716.1	2446.3	2228.8	1907.3	1688.1
72.5°	2239.0	2242.7	3197.3	3041.7	3104.2	2125.4	1969.1	1666.3	1388.3	1189.5
75°	1878.4	1775.7	2530.9	2126.1	2251.5	1653.4	1635.0	1255.8	1047.1	884.0
77.5°	1432.1	1312.2	1848.8	1398.2	1581.3	1101.1	1229.3	851.7	736.8	588.3
80°	961.4	886.7	1021.6	789.1	1034.5	758.9	801.7	482.6	418.4	324.6
82.5°	507.1	433.0	631.4	468.0	624.0	417.0	300.8	149.2	127.1	102.6
85°	196.4	227.4	309.6	166.5	242.0	148.9	87.0	37.0	30.9	23.4
87.5°	38.1	58.8	32.3	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

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