

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: P629296

Luminaire Tested: GWS-SA1B-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629296
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-SA1B-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: 1895.5 lumens
Efficiency: N/A
Efficacy: 75.8 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

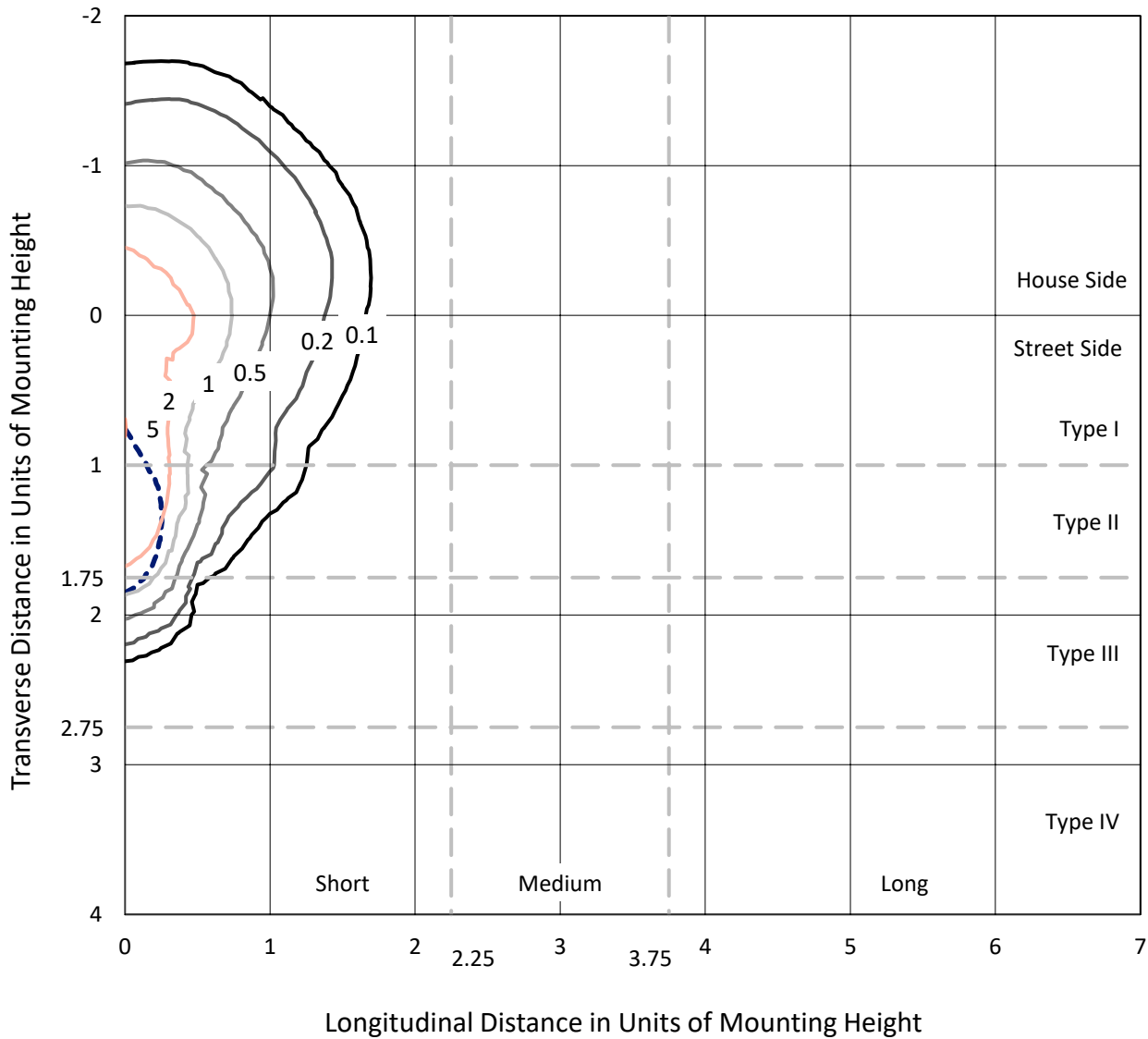
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

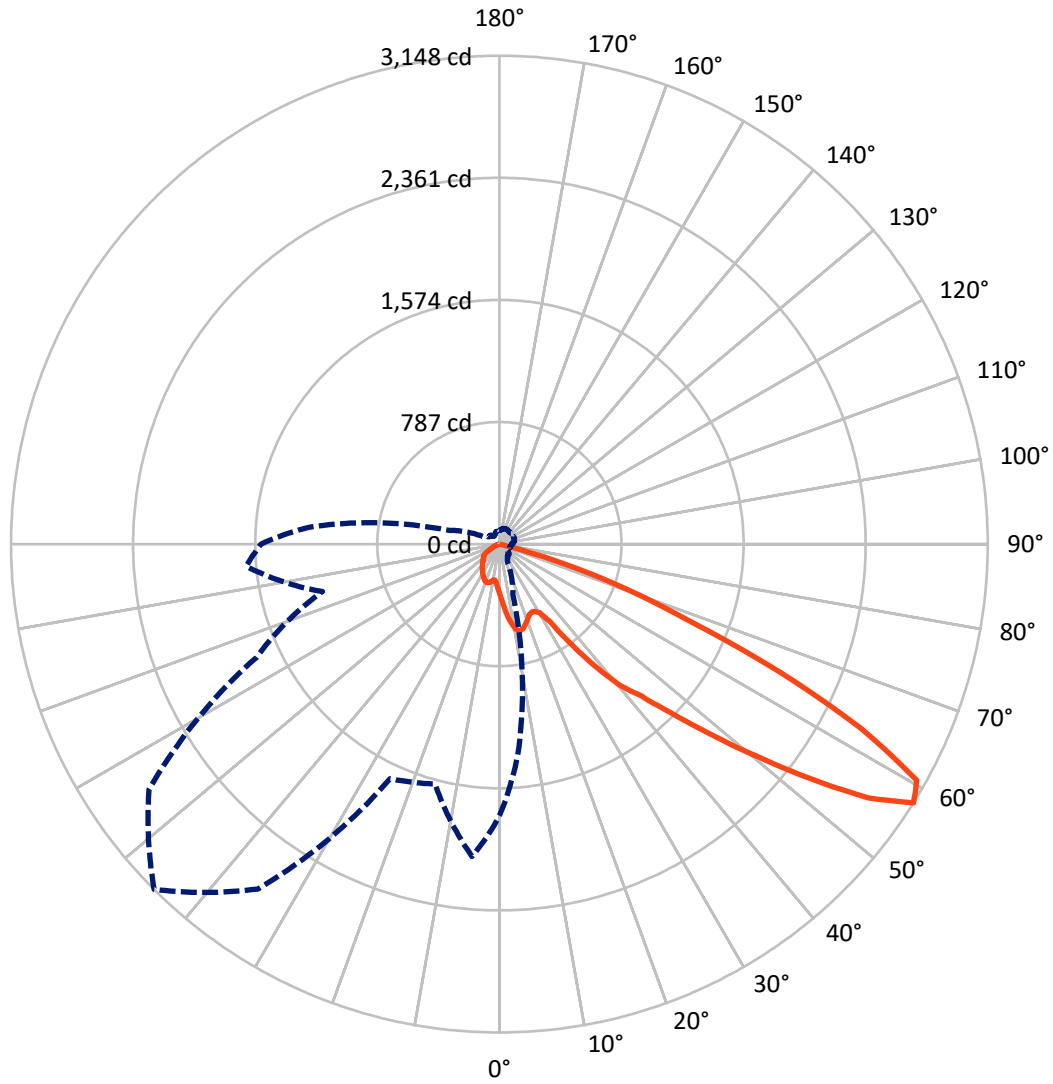
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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
House Side	Lumens	408.4	0.0	408.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1487.1	0.0	1487.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	1895.5	0.0	1895.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.7
10°-20°	104.7	5.5
20°-30°	170.0	9.0
30°-40°	260.9	13.8
40°-50°	416.7	22.0
50°-60°	583.4	30.8
60°-70°	299.1	15.8
70°-80°	28.8	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°	1895.5	100.0
0°-180°	1895.5	100.0

Coefficient of Utilization



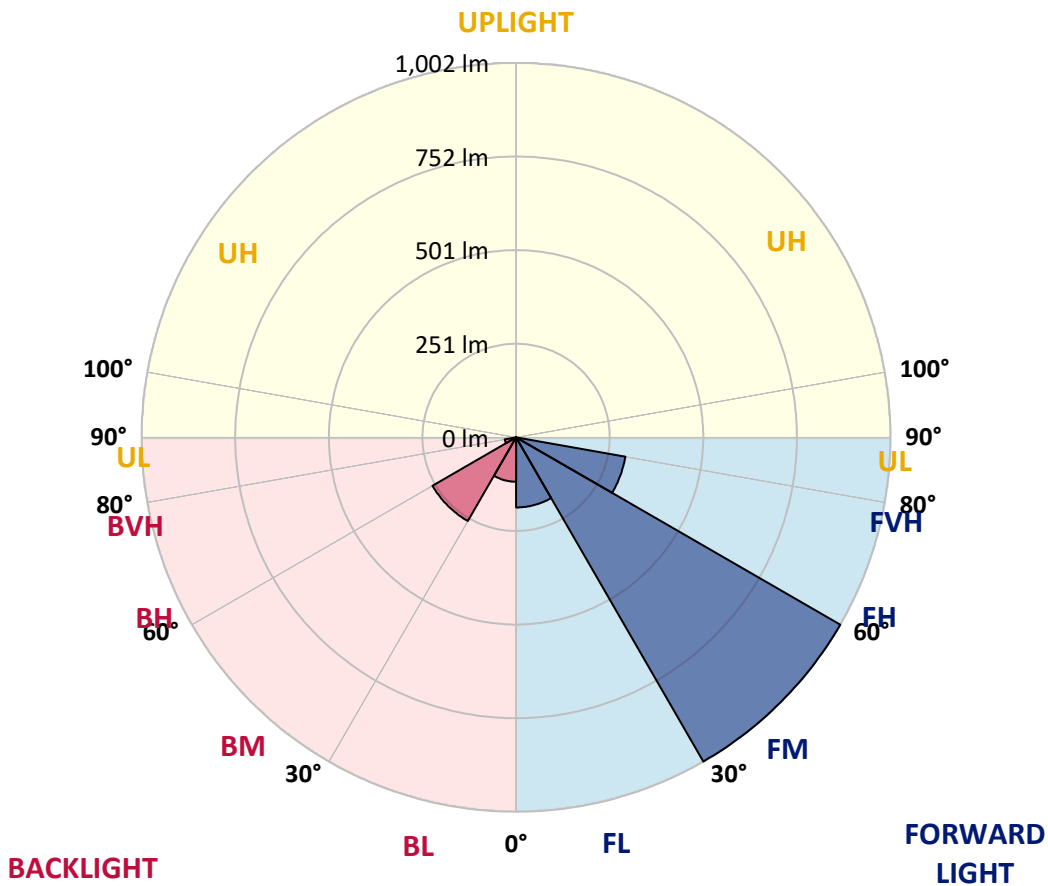
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.7	9.9			
FM (30°-60°)	1002.4	52.9			
FH (60°-80°)	297.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	118.9	6.3	B1/500		
BM (30°-60°)	258.6	13.6	B1/1000		
BH (60°-80°)	30.8	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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	357.8	357.0	354.5	345.9	340.6	332.2	326.1	318.3	309.7	304.3	299.0
5°	395.8	393.8	386.9	367.2	352.0	335.5	322.3	307.9	292.4	282.3	272.9
7.5°	432.3	429.3	420.1	386.7	363.6	340.1	321.3	300.3	278.5	263.3	251.6
10°	468.0	461.2	446.7	405.7	374.5	346.1	324.1	300.0	274.4	255.2	242.3
12.5°	497.4	492.4	472.6	423.7	383.7	347.4	320.3	298.0	280.8	267.8	255.9
15°	522.8	517.2	498.4	439.9	391.5	342.3	304.3	284.8	287.6	292.7	282.5
17.5°	546.1	540.3	520.0	453.3	394.5	329.9	282.0	272.7	288.1	307.1	303.3
20°	570.2	563.6	538.7	464.2	393.5	310.4	259.5	262.3	284.1	305.9	307.9
22.5°	598.3	591.4	562.6	478.2	392.8	287.1	240.0	253.1	276.5	295.0	298.5
25°	635.5	627.4	595.7	498.7	394.8	265.8	226.0	244.3	263.5	280.3	282.3
27.5°	684.7	674.3	634.0	524.0	399.1	249.1	220.0	232.1	247.1	262.0	263.8
30°	748.8	735.6	677.8	546.1	397.1	237.4	215.9	220.0	228.8	241.0	241.2
32.5°	823.8	805.8	727.0	565.1	379.6	228.8	210.3	207.5	209.6	218.9	220.7
35°	912.0	888.7	781.2	583.1	347.7	212.1	200.2	190.8	190.1	194.6	198.9
37.5°	1013.1	985.2	849.7	606.1	309.9	194.6	185.2	175.9	171.8	174.1	180.7
40°	1106.4	1075.4	921.1	634.0	271.4	178.9	167.8	158.1	153.3	154.1	162.2
42.5°	1215.8	1183.9	1008.5	670.5	239.5	168.3	149.5	139.6	133.3	136.8	146.2
45°	1382.1	1345.8	1136.0	702.2	214.1	165.7	133.5	119.6	116.6	122.6	133.8
47.5°	1609.1	1564.8	1311.1	721.4	192.6	168.0	122.4	103.4	104.1	111.0	122.1
50°	1834.4	1786.5	1513.6	696.1	174.8	163.4	116.8	90.7	95.5	101.6	111.8
52.5°	1989.2	1926.9	1612.1	622.9	158.6	146.2	116.3	78.8	87.9	90.0	98.6
55°	1995.3	1918.5	1561.7	491.1	136.6	123.4	111.0	68.9	79.6	80.3	87.7
57.5°	1749.0	1679.5	1364.8	337.3	121.4	90.5	88.4	60.3	65.4	71.7	76.3
60°	1330.6	1271.6	1020.7	154.6	92.2	57.5	60.6	51.9	48.9	58.3	62.8
62.5°	814.9	777.2	612.2	68.4	58.8	30.7	36.7	41.3	36.7	40.3	44.1
65°	323.6	306.9	232.4	29.1	24.1	15.5	16.7	24.1	25.8	28.4	31.9
67.5°	56.3	53.2	39.0	12.9	9.9	9.4	8.1	11.1	15.7	17.5	20.3
70°	7.3	7.1	6.3	5.3	5.1	4.6	3.5	7.1	10.6	11.1	12.9
72.5°	1.8	1.5	1.5	1.3	1.5	0.5	0.5	3.8	7.6	7.9	9.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.8	5.3	6.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	294.7	289.6	287.9	285.3	282.0	283.0	278.5	277.0	279.2	282.3	281.5
5°	267.8	262.3	258.5	252.6	251.6	249.3	247.8	245.8	248.3	251.9	252.6
7.5°	246.6	241.7	237.9	236.2	234.9	233.9	230.8	229.3	229.3	230.8	232.1
10°	237.4	233.9	233.1	233.6	235.7	235.4	232.6	230.6	228.1	226.8	228.3
12.5°	250.1	244.3	243.3	243.5	246.1	245.8	242.8	240.2	239.7	240.2	245.0
15°	271.6	262.8	256.2	254.9	256.2	255.7	253.4	251.9	252.6	260.0	268.1
17.5°	290.9	277.2	265.3	260.8	260.5	259.7	257.5	256.9	260.8	274.4	286.3
20°	296.5	283.0	266.1	260.2	259.0	258.2	255.7	256.4	261.3	277.7	287.9
22.5°	289.1	276.2	258.5	252.6	251.6	251.4	248.8	249.9	253.9	268.4	276.7
25°	275.2	264.3	245.8	240.7	240.7	240.2	237.9	238.5	241.0	253.7	261.8
27.5°	258.2	247.8	232.4	227.3	228.1	228.8	226.0	225.3	227.3	239.2	244.0
30°	238.7	231.4	219.2	214.6	214.4	217.4	213.6	212.6	215.4	224.8	225.8
32.5°	219.7	216.2	207.5	204.0	204.2	204.7	202.7	202.7	205.3	210.3	210.1
35°	201.2	198.9	197.4	194.9	194.6	193.6	193.6	194.1	196.9	198.7	195.4
37.5°	183.5	185.7	187.5	185.0	183.0	183.0	183.0	185.2	187.8	187.0	181.4
40°	167.8	172.6	178.1	175.4	170.5	170.3	171.3	175.1	178.9	174.3	169.3
42.5°	154.3	160.4	168.3	166.7	161.4	160.7	161.4	166.2	169.3	163.4	157.9
45°	141.1	148.7	158.1	158.1	152.3	151.5	151.8	158.1	159.9	153.1	146.0
47.5°	130.0	138.4	148.2	148.2	143.4	141.9	143.2	149.8	151.0	141.4	134.8
50°	119.4	128.5	139.4	138.6	135.3	134.0	136.3	143.4	141.9	131.3	124.4
52.5°	105.9	115.6	130.5	131.3	129.5	129.7	132.5	137.1	132.8	119.9	114.0
55°	93.8	103.6	118.6	122.6	122.6	122.4	123.7	127.2	123.7	108.2	101.1
57.5°	80.6	88.9	101.4	102.4	103.1	100.3	102.1	106.9	105.2	92.0	87.9
60°	66.1	73.2	80.3	81.1	77.8	72.0	75.3	80.8	82.1	72.2	67.7
62.5°	46.9	53.7	62.1	62.1	58.8	53.0	57.3	62.1	60.3	50.2	47.4
65°	35.0	41.3	47.6	50.4	47.6	43.6	46.9	50.4	47.6	39.3	35.2
67.5°	22.6	26.9	30.7	32.9	33.4	32.9	34.5	33.4	30.2	24.6	22.3
70°	13.7	16.0	18.0	20.0	21.5	22.3	23.1	20.8	17.5	14.4	13.7
72.5°	9.9	11.9	13.7	15.2	17.0	17.5	17.5	16.0	12.9	10.1	9.4
75°	6.8	8.6	10.1	11.1	12.7	13.2	13.2	11.9	9.6	7.3	6.6
77.5°	0.3	1.8	1.8	1.5	2.0	2.5	2.5	3.0	2.8	2.0	1.8
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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	283.0	292.2	294.7	304.1	312.4	320.8	330.9	337.0	346.1	352.5	356.0
5°	255.2	262.8	271.9	285.8	300.3	316.2	335.5	352.2	373.3	388.7	393.8
7.5°	234.9	244.8	255.4	272.9	292.7	314.0	341.1	368.4	400.6	421.7	435.1
10°	231.1	241.2	255.4	272.7	293.4	317.8	351.0	386.4	426.7	452.3	467.5
12.5°	249.3	260.2	266.3	274.2	289.9	317.0	359.6	404.7	452.1	479.9	496.2
15°	276.2	285.8	276.0	266.1	276.2	308.9	364.4	419.9	474.4	506.5	523.3
17.5°	294.7	295.5	273.9	252.9	255.7	294.2	366.2	435.1	498.2	531.9	549.4
20°	292.9	286.9	265.1	241.7	233.1	275.2	364.1	448.5	522.3	557.5	574.7
22.5°	279.2	272.2	253.7	230.8	214.1	252.6	360.6	460.7	544.3	584.3	600.6
25°	262.8	255.2	240.0	220.0	202.0	230.8	357.8	477.4	572.2	619.3	632.0
27.5°	243.5	236.9	224.0	209.6	196.9	214.4	357.0	499.5	605.9	661.9	670.8
30°	224.8	218.7	208.5	200.2	194.9	204.7	354.5	523.0	646.2	710.8	720.4
32.5°	206.8	200.7	194.4	193.1	193.3	201.2	345.9	546.3	694.1	781.7	788.8
35°	191.3	184.2	181.7	184.7	190.3	195.1	321.6	565.6	745.5	859.0	864.9
37.5°	176.6	169.5	169.3	176.6	182.7	185.7	292.9	584.6	814.9	937.6	944.9
40°	163.2	156.1	158.6	167.5	172.3	173.8	258.2	613.5	888.4	1020.4	1016.4
42.5°	151.8	144.4	146.0	157.4	161.7	165.7	226.3	637.6	959.1	1099.0	1097.7
45°	140.6	135.1	134.0	146.5	150.3	166.5	203.0	656.1	1050.1	1199.1	1201.1
47.5°	129.7	125.4	125.7	131.0	140.4	170.3	183.2	668.2	1182.1	1357.7	1322.5
50°	119.9	116.6	119.4	113.3	134.0	165.5	166.2	665.7	1329.6	1509.8	1439.1
52.5°	109.0	108.2	109.5	94.8	123.9	146.0	150.3	632.0	1398.8	1613.7	1573.4
55°	97.8	97.6	87.4	75.8	103.6	116.6	128.7	527.3	1396.5	1668.9	1717.8
57.5°	84.6	82.6	66.4	61.8	80.6	81.1	117.3	345.4	1237.6	1536.6	1638.0
60°	64.1	62.6	48.7	50.2	56.3	51.9	93.5	172.1	924.9	1197.1	1311.4
62.5°	44.3	42.3	36.2	38.8	36.2	29.6	57.3	85.1	560.3	755.9	859.5
65°	32.4	30.2	24.8	21.3	17.0	17.0	21.8	32.7	216.9	321.3	387.5
67.5°	20.0	19.0	14.7	10.6	10.4	11.1	11.4	16.2	35.0	55.7	68.2
70°	12.9	11.9	9.9	6.8	6.3	6.6	6.8	7.6	8.9	9.6	11.7
72.5°	8.9	8.4	7.1	3.8	3.0	3.3	3.5	3.5	4.3	4.1	4.8
75°	6.3	5.8	5.1	1.8	1.0	1.3	1.5	1.3	1.5	1.0	1.3
77.5°	1.8	1.8	1.3	0.3	0.0	0.3	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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°	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
2.5°	365.2	371.0	373.3	370.0	372.8	368.2	366.4	359.6	359.1	357.8
5°	414.3	427.5	435.3	440.2	434.6	428.5	419.4	403.7	398.9	395.8
7.5°	462.7	483.2	496.7	503.0	501.5	489.1	472.6	446.2	436.9	432.3
10°	504.8	529.9	546.1	553.9	550.6	539.7	516.2	483.2	470.8	468.0
12.5°	534.2	557.2	568.4	575.2	575.5	571.2	548.9	515.7	501.0	497.4
15°	552.7	562.6	562.8	566.9	574.0	583.6	573.2	543.8	528.1	522.8
17.5°	564.3	553.4	542.3	543.3	554.9	580.5	591.2	568.6	551.9	546.1
20°	572.7	538.2	517.4	517.7	529.6	568.4	603.6	592.7	575.5	570.2
22.5°	578.0	524.8	495.1	494.4	507.1	553.9	615.0	621.3	604.4	598.3
25°	588.9	518.5	481.7	486.0	497.2	549.4	630.5	659.4	643.6	635.5
27.5°	608.4	524.8	480.4	490.3	503.0	562.8	657.3	710.0	693.8	684.7
30°	642.1	548.6	500.0	513.6	528.8	598.0	702.4	780.7	757.4	748.8
32.5°	696.3	598.0	560.3	589.7	604.4	655.8	770.1	860.0	841.0	823.8
35°	771.1	710.8	706.5	774.9	771.4	765.3	853.2	957.4	928.7	912.0
37.5°	874.0	892.2	924.2	992.1	989.8	943.4	962.4	1049.3	1034.6	1013.1
40°	1002.5	1041.2	1095.5	1192.8	1162.4	1104.1	1096.5	1143.6	1131.7	1106.4
42.5°	1078.2	1145.1	1248.5	1335.9	1311.6	1209.7	1201.1	1269.5	1243.4	1215.8
45°	1113.4	1229.8	1432.5	1550.8	1477.1	1279.9	1276.6	1433.7	1419.0	1382.1
47.5°	1129.7	1315.2	1647.9	1827.0	1689.2	1341.5	1329.6	1671.9	1652.7	1609.1
50°	1147.7	1433.0	1907.4	2147.1	1945.4	1411.2	1419.8	1893.9	1885.8	1834.4
52.5°	1187.2	1557.7	2226.9	2513.0	2256.0	1520.4	1574.6	2103.2	2048.5	1989.2
55°	1246.5	1693.5	2559.4	2886.8	2573.0	1667.1	1742.1	2214.5	2060.9	1995.3
57.5°	1180.9	1727.4	2756.3	3147.8	2713.7	1667.6	1600.5	2021.6	1812.6	1749.0
60°	937.1	1607.1	2680.5	3091.2	2593.8	1480.9	1225.5	1578.4	1373.2	1330.6
62.5°	633.5	1347.8	2359.7	2614.3	2220.1	1164.9	796.4	1026.5	850.2	814.9
65°	347.2	1005.5	1906.6	1977.8	1737.6	813.7	409.8	445.5	339.3	323.6
67.5°	95.8	699.9	1402.8	1312.1	1219.1	529.9	105.9	79.6	56.8	56.3
70°	24.1	463.0	840.5	866.4	747.5	339.3	20.3	9.6	7.6	7.3
72.5°	10.1	199.2	398.9	458.4	382.6	157.1	7.3	2.8	2.3	1.8
75°	1.3	16.0	34.0	51.4	35.2	17.0	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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