

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: P629464

Luminaire Tested: GWS-SA1B-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629464
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-SA1B-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3389 lumens
Efficiency: N/A
Efficacy: 135.6 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

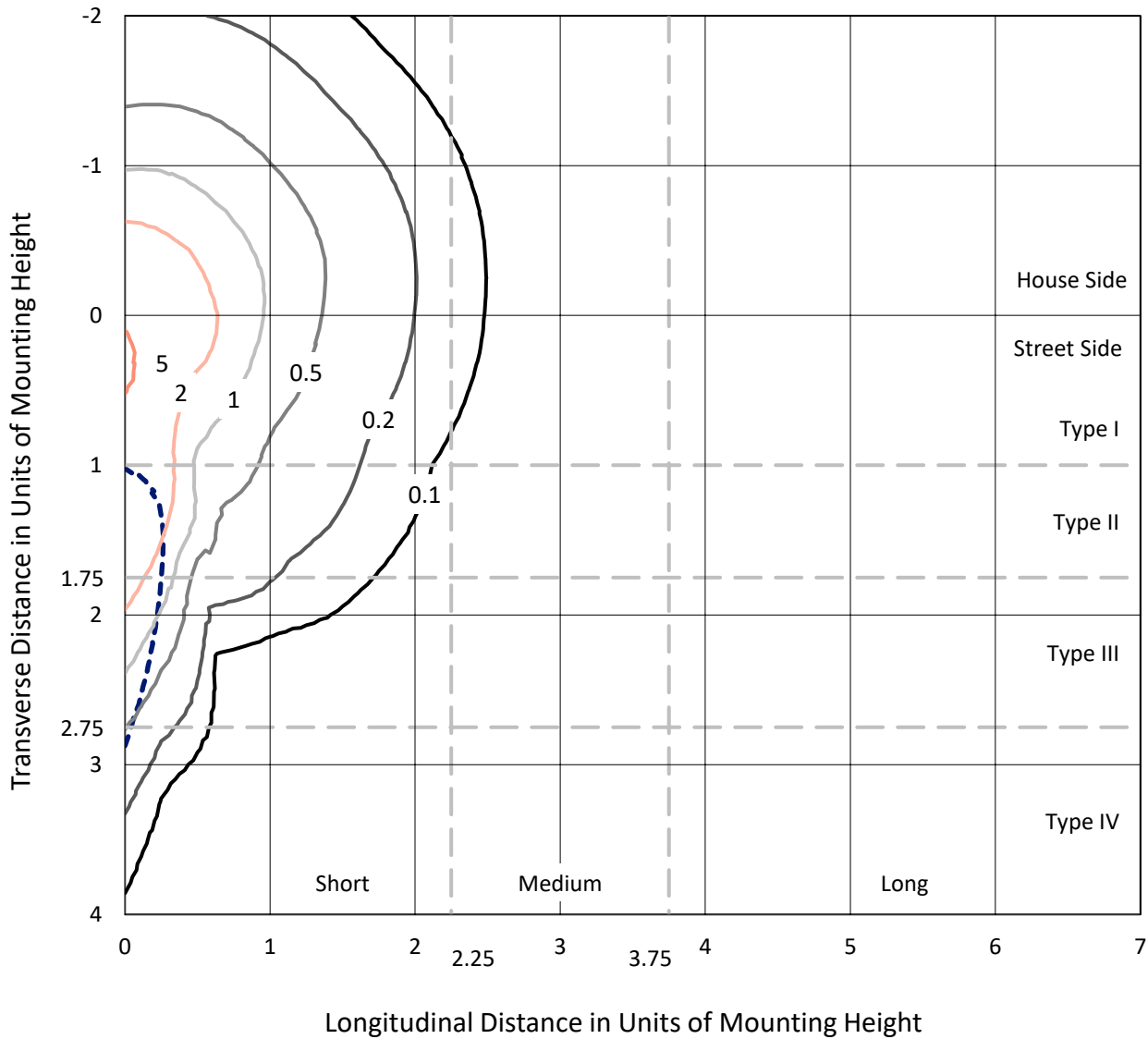
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

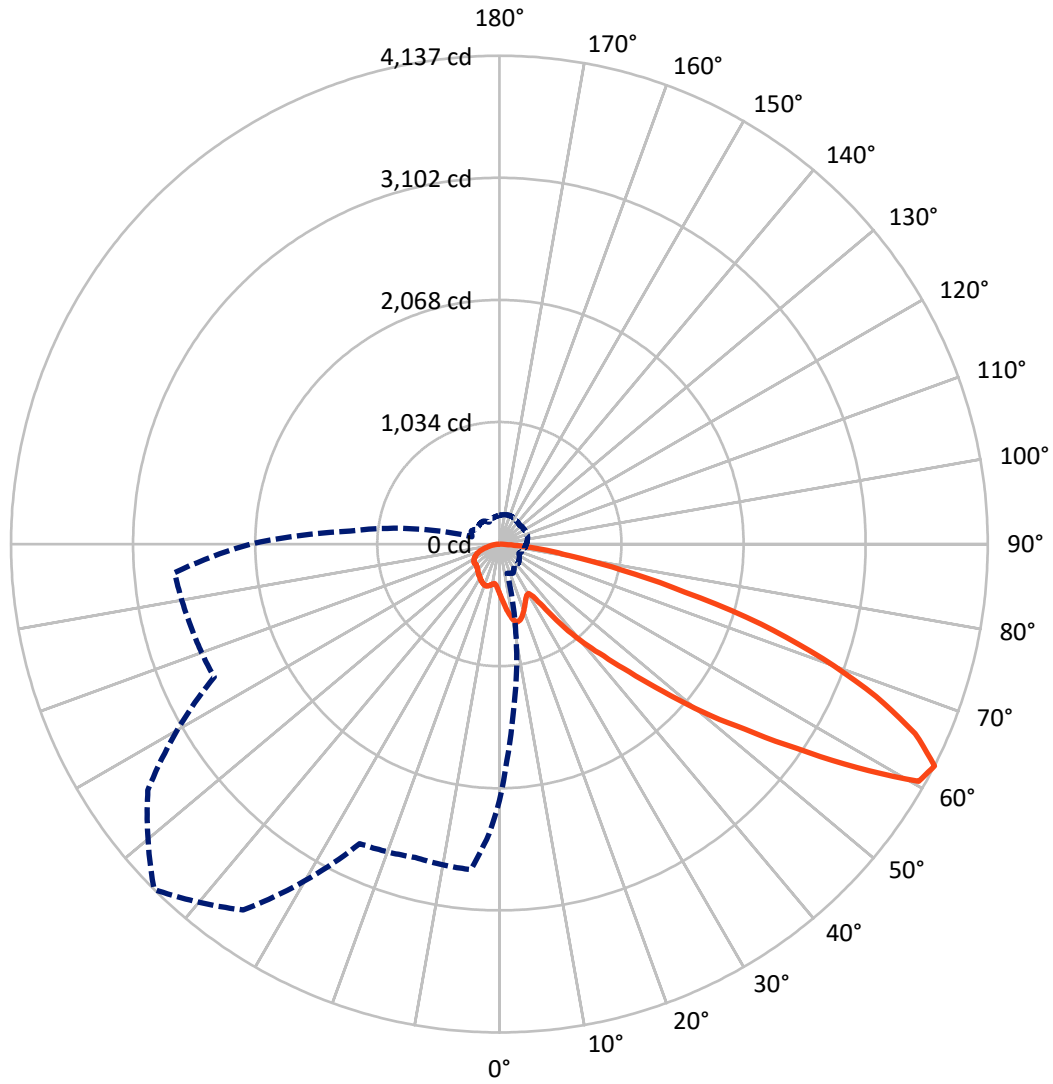
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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	810.3	0.0	810.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2578.7	0.0	2578.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	3389.0	0.0	3389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	1.2
10°-20°	135.3	4.0
20°-30°	213.0	6.3
30°-40°	291.9	8.6
40°-50°	455.5	13.4
50°-60°	785.3	23.2
60°-70°	910.1	26.9
70°-80°	480.4	14.2
80°-90°	75.9	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°	3389.0	100.0
0°-180°	3389.0	100.0

Coefficient of Utilization



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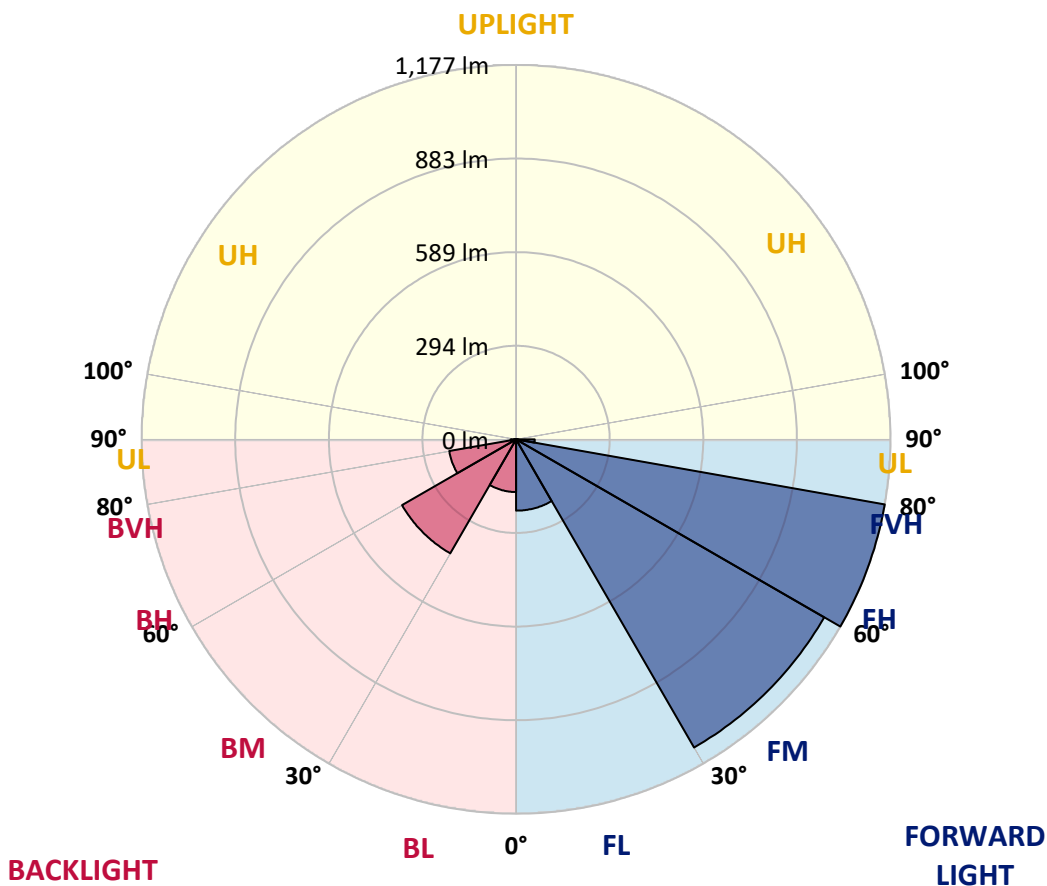
CATALOG NUMBER: GWS-SA1B-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.1	6.6			
FM (30°-60°)	1118.8	33.0			
FH (60°-80°)	1177.1	34.7			G1/1800
FVH (80°-90°)	58.6	1.7			G1/100
BL (0°-30°)	165.7	4.9	B1/500		
BM (30°-60°)	413.9	12.2	B1/1000		
BH (60°-80°)	213.4	6.3	B1/500		G1/500
BVH (80°-90°)	17.3	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°	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
2.5°	459.1	457.3	454.7	445.9	440.4	434.2	427.7	420.2	411.7	405.7	399.7
5°	498.0	495.1	488.9	467.9	453.4	437.6	424.4	409.3	394.5	384.4	374.3
7.5°	535.3	531.7	522.1	489.9	466.3	443.5	423.6	401.8	379.8	364.7	352.8
10°	572.6	565.1	552.9	510.9	479.8	453.4	430.6	403.9	374.6	354.1	341.4
12.5°	601.1	594.1	580.9	530.1	493.3	460.1	434.5	409.8	385.0	363.2	350.2
15°	627.8	618.8	603.7	548.0	504.5	459.9	426.7	405.2	401.5	396.1	379.2
17.5°	647.0	638.7	623.2	562.5	510.7	451.8	405.2	392.5	408.8	425.4	409.3
20°	663.9	654.3	638.5	572.6	512.0	433.9	379.0	379.2	404.9	427.7	423.8
22.5°	678.1	667.5	653.5	584.0	511.5	409.1	356.2	371.7	397.4	415.3	415.8
25°	695.8	686.9	675.3	600.9	511.5	383.7	339.6	362.7	384.7	399.7	399.2
27.5°	717.3	711.3	701.7	626.5	516.1	362.4	330.3	351.0	368.4	381.3	381.1
30°	741.4	735.9	728.7	653.8	524.2	346.6	325.1	336.5	349.2	359.5	359.5
32.5°	766.0	763.9	756.2	675.5	517.9	341.7	320.7	322.0	328.7	337.3	336.5
35°	800.2	798.2	788.3	692.4	491.0	334.7	313.7	307.2	308.0	313.4	315.2
37.5°	850.3	847.2	832.6	712.1	450.3	317.0	302.3	291.6	289.3	291.6	295.0
40°	910.7	906.0	886.3	738.8	403.4	293.2	284.4	275.6	271.7	272.4	276.3
42.5°	986.4	976.5	948.2	767.0	357.0	272.2	264.4	259.0	254.6	254.0	261.6
45°	1109.2	1082.3	1037.4	792.2	317.8	261.0	246.5	242.6	239.0	241.1	249.9
47.5°	1323.9	1274.1	1186.7	813.7	294.0	261.3	232.3	228.1	227.9	232.0	241.9
50°	1618.9	1547.1	1412.3	828.2	281.5	264.4	223.7	217.0	221.9	226.0	235.4
52.5°	1901.4	1791.8	1631.3	828.0	276.1	264.9	226.0	206.6	221.9	222.9	231.7
55°	2142.8	1944.2	1690.4	742.9	268.3	262.9	235.1	198.6	219.0	222.9	229.9
57.5°	2334.6	2041.1	1686.0	600.1	291.9	251.4	240.6	196.8	210.8	223.5	231.5
60°	2313.3	1996.8	1577.4	368.4	289.6	231.2	239.8	200.1	196.8	216.5	229.7
62.5°	2172.1	1837.9	1390.5	255.6	271.9	219.6	227.1	206.1	183.8	206.3	220.9
65°	1974.3	1632.9	1158.7	196.0	225.3	220.1	205.6	201.9	172.4	190.3	205.8
67.5°	1712.7	1378.6	914.8	155.3	157.1	190.5	186.6	179.4	161.8	176.0	190.0
70°	1287.6	1006.1	629.4	124.9	119.0	159.2	167.7	161.2	151.4	155.5	170.3
72.5°	907.3	656.9	344.8	99.0	91.8	122.4	145.7	144.6	133.8	136.9	151.4
75°	674.2	464.8	215.4	78.3	74.7	87.6	122.1	125.2	116.1	119.8	130.9
77.5°	448.7	301.0	119.8	58.1	58.1	64.0	91.0	105.5	98.8	101.6	109.4
80°	247.6	153.2	59.9	38.1	39.1	44.1	66.4	76.0	76.2	83.2	85.3
82.5°	78.3	48.7	26.7	22.3	21.0	25.1	42.8	54.4	50.8	64.8	59.6
85°	17.9	11.4	4.9	4.9	5.4	8.3	16.3	29.0	37.1	44.6	32.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.4	16.8	15.0
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°	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
2.5°	396.1	390.9	389.4	385.0	384.4	380.3	378.7	378.7	380.5	380.5	382.4
5°	370.2	363.7	360.1	354.9	353.6	350.5	348.4	348.7	351.0	352.5	355.7
7.5°	347.4	343.0	340.4	338.0	337.5	337.0	334.7	334.4	335.2	337.5	339.8
10°	337.8	334.7	335.4	337.3	340.1	341.7	339.6	338.5	337.8	339.3	341.4
12.5°	347.1	344.0	345.5	348.7	352.5	354.1	353.3	353.1	353.8	359.8	364.2
15°	367.6	361.6	359.5	360.8	364.0	365.5	364.7	365.8	370.7	386.2	397.4
17.5°	393.0	378.5	370.2	367.8	369.1	370.4	370.4	373.0	381.6	404.4	418.4
20°	406.7	387.8	373.8	368.1	368.6	369.9	369.9	373.5	383.1	407.5	416.6
22.5°	403.1	385.7	368.6	362.4	362.7	363.7	363.7	366.8	375.4	396.9	401.0
25°	388.8	373.5	356.7	351.3	351.8	353.6	353.1	354.9	361.4	379.0	381.3
27.5°	371.7	358.3	341.7	337.5	339.8	343.5	340.4	340.6	346.6	361.4	361.6
30°	353.3	342.2	327.4	324.3	328.7	330.5	327.7	327.7	333.6	343.7	343.5
32.5°	333.4	326.4	315.7	312.4	317.3	320.1	316.5	317.0	321.7	328.4	325.8
35°	314.7	311.1	306.1	303.8	306.9	309.5	307.2	308.2	312.6	314.4	310.8
37.5°	296.8	296.3	296.8	296.8	297.6	298.4	296.8	299.4	303.3	301.0	296.8
40°	281.3	283.3	288.3	287.0	286.2	287.0	285.9	290.3	294.2	290.1	285.1
42.5°	268.3	272.2	279.7	279.7	278.1	278.7	278.1	283.6	286.4	280.7	275.3
45°	257.2	262.9	272.4	273.7	271.2	271.2	272.2	278.9	280.0	272.2	266.5
47.5°	249.4	256.4	267.3	269.6	265.7	265.4	268.3	275.6	275.6	266.5	260.0
50°	243.9	251.7	264.7	267.8	263.9	262.9	267.5	274.5	273.0	262.1	255.6
52.5°	240.3	248.3	264.4	268.8	266.2	265.2	269.9	274.8	270.9	259.2	252.5
55°	238.0	246.8	265.2	268.8	266.0	264.2	268.8	273.2	271.2	257.7	251.2
57.5°	239.3	248.1	264.2	266.0	262.6	259.5	264.9	271.2	270.4	258.2	251.7
60°	237.2	245.2	258.4	259.0	253.3	248.3	256.4	265.7	265.7	256.4	250.7
62.5°	227.6	235.6	247.3	247.8	241.3	235.9	245.2	256.4	256.1	248.6	242.6
65°	211.8	219.3	232.5	233.8	227.3	221.6	231.2	241.6	242.4	235.6	230.5
67.5°	194.4	201.2	211.0	216.2	210.8	204.8	213.6	223.5	223.2	215.2	209.7
70°	173.7	179.9	189.0	193.4	190.0	184.3	192.3	197.5	195.2	191.3	187.7
72.5°	153.2	159.2	167.7	167.7	164.1	158.6	161.0	170.3	173.2	170.3	168.0
75°	131.7	136.9	142.8	144.1	136.1	126.2	137.1	145.2	148.5	147.2	144.4
77.5°	109.7	113.5	122.4	120.0	105.0	99.8	108.6	120.5	122.9	122.1	118.2
80°	84.5	86.8	96.2	91.5	79.8	76.5	80.4	89.7	90.2	87.6	82.7
82.5°	56.8	59.9	66.1	57.0	56.8	53.7	50.5	51.6	56.3	55.7	52.4
85°	29.0	30.6	36.6	34.2	29.3	25.4	24.1	25.7	23.1	21.0	18.1
87.5°	12.2	13.2	18.1	10.1	3.1	0.0	0.0	1.6	2.3	3.4	3.6
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°	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
2.5°	386.5	389.4	396.4	405.2	413.7	422.5	432.1	438.1	445.4	454.7	454.9
5°	359.5	366.0	376.1	389.6	403.6	419.7	438.4	453.9	472.6	487.3	493.3
7.5°	343.0	352.3	365.0	382.1	400.5	420.5	444.8	471.0	501.6	521.3	533.0
10°	344.5	358.8	371.5	386.0	402.6	424.1	455.5	490.2	527.8	553.7	568.2
12.5°	372.2	387.3	385.0	384.2	395.3	421.5	464.0	509.6	555.5	581.4	598.8
15°	407.2	412.9	390.9	374.3	381.1	412.2	468.7	527.0	578.6	610.2	627.3
17.5°	425.1	413.7	387.0	362.1	360.3	397.9	471.0	544.6	604.5	636.1	654.3
20°	416.8	400.2	377.7	354.1	341.1	378.5	469.7	558.6	628.1	663.4	678.1
22.5°	398.9	384.4	366.8	344.3	325.6	357.2	466.3	572.6	649.1	684.6	697.6
25°	379.5	368.6	354.1	334.4	316.8	338.5	464.0	591.3	673.2	707.2	715.5
27.5°	360.1	352.0	340.1	324.8	314.7	325.6	464.8	615.7	704.3	736.5	733.1
30°	340.9	333.9	325.6	318.8	314.4	322.5	462.7	641.6	738.5	768.3	748.4
32.5°	322.7	316.3	311.1	312.1	314.7	323.8	452.1	665.2	769.9	795.3	765.0
35°	307.2	300.4	300.4	304.1	313.7	319.4	424.6	683.6	804.6	830.0	788.6
37.5°	292.7	286.7	290.6	296.6	305.6	307.4	389.4	701.5	855.2	879.0	825.1
40°	280.0	274.0	281.0	288.5	293.2	292.4	353.6	726.4	914.8	939.4	873.6
42.5°	269.9	264.4	270.6	280.2	281.0	281.8	327.4	750.2	984.0	1015.4	957.1
45°	261.6	257.7	260.8	270.4	270.4	282.3	311.1	770.2	1088.2	1143.7	1110.3
47.5°	255.1	252.7	254.3	257.4	262.6	291.6	300.7	785.5	1278.0	1386.9	1353.2
50°	251.4	249.1	251.2	244.7	260.3	296.3	297.3	797.1	1528.1	1698.7	1657.0
52.5°	248.3	247.6	248.9	233.8	265.4	293.2	294.7	781.6	1695.9	2005.6	2046.8
55°	247.3	247.8	241.6	225.8	271.7	282.8	287.0	670.4	1741.5	2270.3	2526.2
57.5°	247.8	246.3	230.5	226.6	271.9	262.1	298.1	478.3	1675.1	2385.4	2995.1
60°	246.0	238.2	217.0	233.6	260.0	237.7	290.1	311.8	1500.1	2297.0	3022.3
62.5°	238.0	226.6	205.3	237.5	238.7	223.2	263.4	240.3	1266.8	2107.8	2760.0
65°	226.3	211.0	195.5	229.4	217.2	216.5	198.0	192.6	1018.8	1882.5	2511.1
67.5°	207.1	191.8	188.2	211.0	195.5	191.8	159.2	159.7	812.9	1642.5	2261.0
70°	185.3	170.1	172.9	190.8	173.9	159.4	128.8	133.0	616.7	1368.5	1923.7
72.5°	171.1	150.6	150.9	168.0	152.9	129.1	106.0	109.7	391.4	1031.5	1529.4
75°	144.4	132.7	127.0	136.1	129.9	100.6	89.2	88.4	232.0	739.3	1145.3
77.5°	120.5	111.5	108.6	112.2	97.0	74.4	71.8	70.5	131.4	473.6	750.5
80°	87.4	85.0	84.8	86.6	74.7	54.7	54.7	55.0	70.8	257.2	423.1
82.5°	55.5	60.7	53.7	59.6	50.8	38.9	36.3	41.2	40.7	109.7	178.3
85°	23.1	31.6	29.6	31.4	24.1	21.3	22.8	24.6	23.6	42.3	69.5
87.5°	4.4	5.2	5.7	5.4	5.4	6.7	7.5	9.1	9.1	12.2	21.0
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°	358°	360°
0°	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5	422.5
2.5°	464.8	472.3	470.8	474.1	469.7	471.3	462.5	460.1	458.6	459.1
5°	512.5	527.8	530.6	536.3	532.4	532.4	516.9	505.2	501.1	498.0
7.5°	561.0	583.0	597.5	599.1	597.0	592.8	570.3	549.3	541.8	535.3
10°	604.0	630.4	646.8	654.5	650.7	644.2	616.2	587.4	578.3	572.6
12.5°	636.9	660.2	671.1	676.3	675.8	673.5	650.7	619.5	610.0	601.1
15°	658.2	669.8	665.7	665.4	669.1	678.4	671.4	647.0	635.9	627.8
17.5°	671.9	660.8	642.4	633.8	641.6	663.6	679.7	666.0	655.8	647.0
20°	676.8	637.2	610.5	594.7	603.7	635.6	675.3	679.7	671.1	663.9
22.5°	671.1	608.4	572.1	553.4	562.3	600.4	662.3	690.8	685.1	678.1
25°	657.1	578.3	534.8	517.9	527.5	566.4	639.3	701.2	701.5	695.8
27.5°	639.8	550.6	508.6	492.8	502.1	538.4	616.7	710.3	719.4	717.3
30°	622.1	534.0	496.2	485.0	492.0	524.2	593.6	719.6	737.8	741.4
32.5°	614.1	542.0	525.5	530.4	521.3	532.4	585.3	732.8	760.1	766.0
35°	624.7	613.3	655.3	674.8	642.6	600.4	596.0	752.8	791.4	800.2
37.5°	676.3	766.0	828.7	897.2	841.4	748.4	648.6	786.8	836.3	850.3
40°	788.6	899.3	1012.5	1100.9	1016.7	891.5	748.6	837.3	898.0	910.7
42.5°	894.3	1024.2	1180.3	1294.6	1185.2	1008.4	856.5	922.3	979.4	986.4
45°	998.0	1146.8	1383.2	1542.1	1393.6	1119.6	966.7	1065.9	1109.0	1109.2
47.5°	1119.6	1285.0	1637.8	1864.1	1670.2	1242.7	1070.1	1293.3	1353.2	1323.9
50°	1265.0	1422.4	1899.9	2238.7	2007.4	1394.1	1201.5	1570.4	1652.0	1618.9
52.5°	1459.7	1573.8	2188.6	2603.9	2375.0	1566.5	1392.0	1936.4	1963.4	1901.4
55°	1733.7	1792.3	2559.3	3055.0	2785.4	1778.8	1670.7	2395.8	2320.3	2142.8
57.5°	2357.7	2138.1	3035.3	3569.5	3249.7	2164.5	2281.4	2902.3	2634.0	2334.6
60°	2879.7	2558.0	3475.7	4080.2	3647.6	2589.7	2854.9	2990.4	2622.3	2313.3
62.5°	2703.7	2665.1	3634.6	4136.5	3783.4	2798.9	2748.3	2768.3	2451.2	2172.1
65°	2372.2	2458.5	3492.8	3869.7	3632.8	2611.4	2486.0	2563.0	2255.5	1974.3
67.5°	2176.5	2240.0	3240.6	3442.8	3359.0	2408.7	2282.0	2226.2	1951.7	1712.7
70°	1976.3	2029.0	2886.5	2907.0	2932.1	2071.7	1865.9	1700.0	1454.8	1287.6
72.5°	1707.8	1710.6	2438.8	2320.1	2367.8	1621.2	1502.0	1271.0	1058.9	907.3
75°	1432.7	1354.5	1930.5	1621.7	1717.4	1261.1	1247.1	957.8	798.7	674.2
77.5°	1092.4	1000.9	1410.2	1066.5	1206.2	839.9	937.6	649.6	562.0	448.7
80°	733.3	676.3	779.2	601.9	789.1	578.9	611.5	368.1	319.1	247.6
82.5°	386.8	330.3	481.6	357.0	475.9	318.1	229.4	113.8	97.0	78.3
85°	149.8	173.4	236.2	127.0	184.6	113.5	66.4	28.3	23.6	17.9
87.5°	29.0	44.8	24.6	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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