

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: P628914

Luminaire Tested: GWS-SA1A-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628914
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-SA1A-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2726.4 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

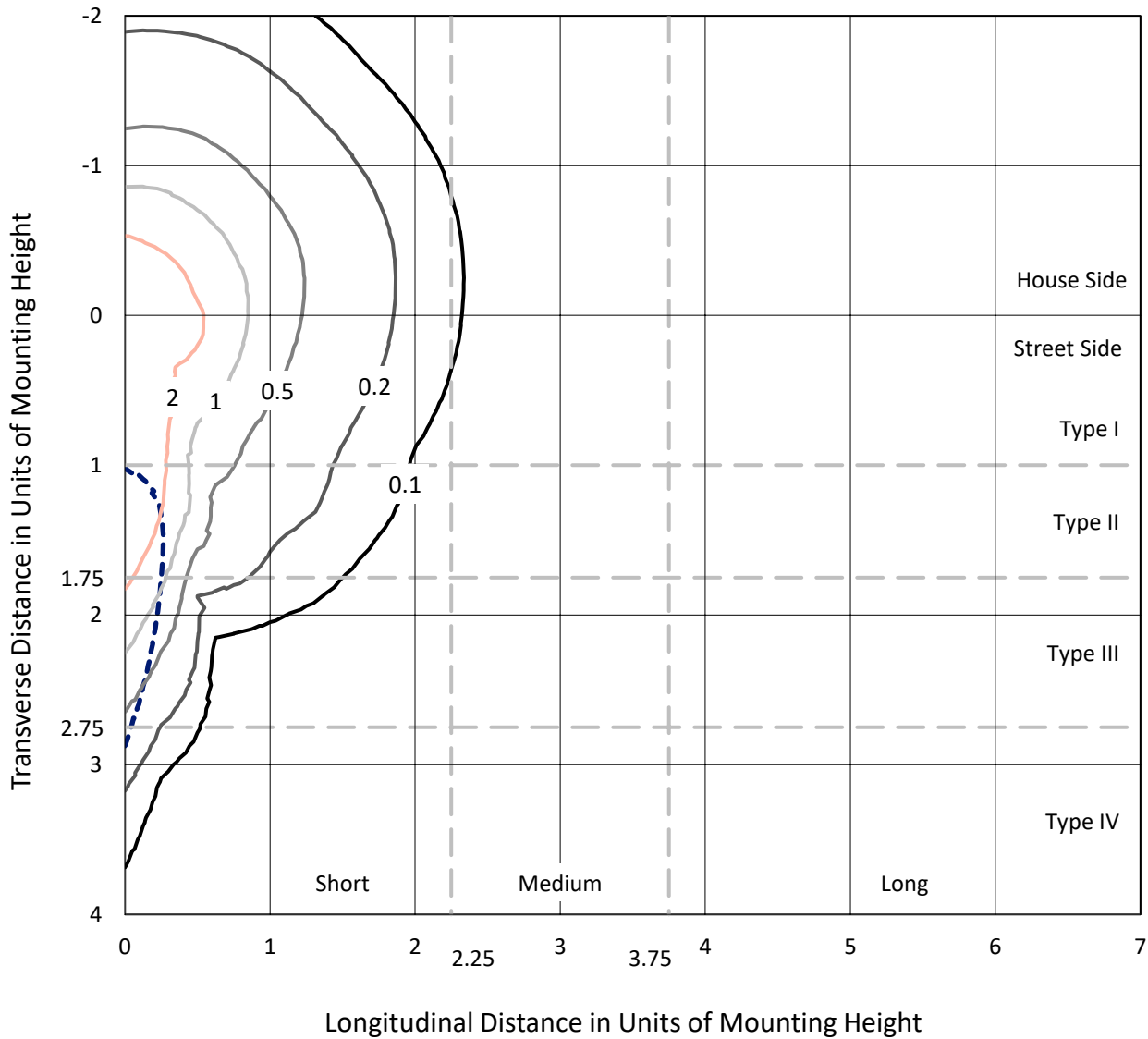
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

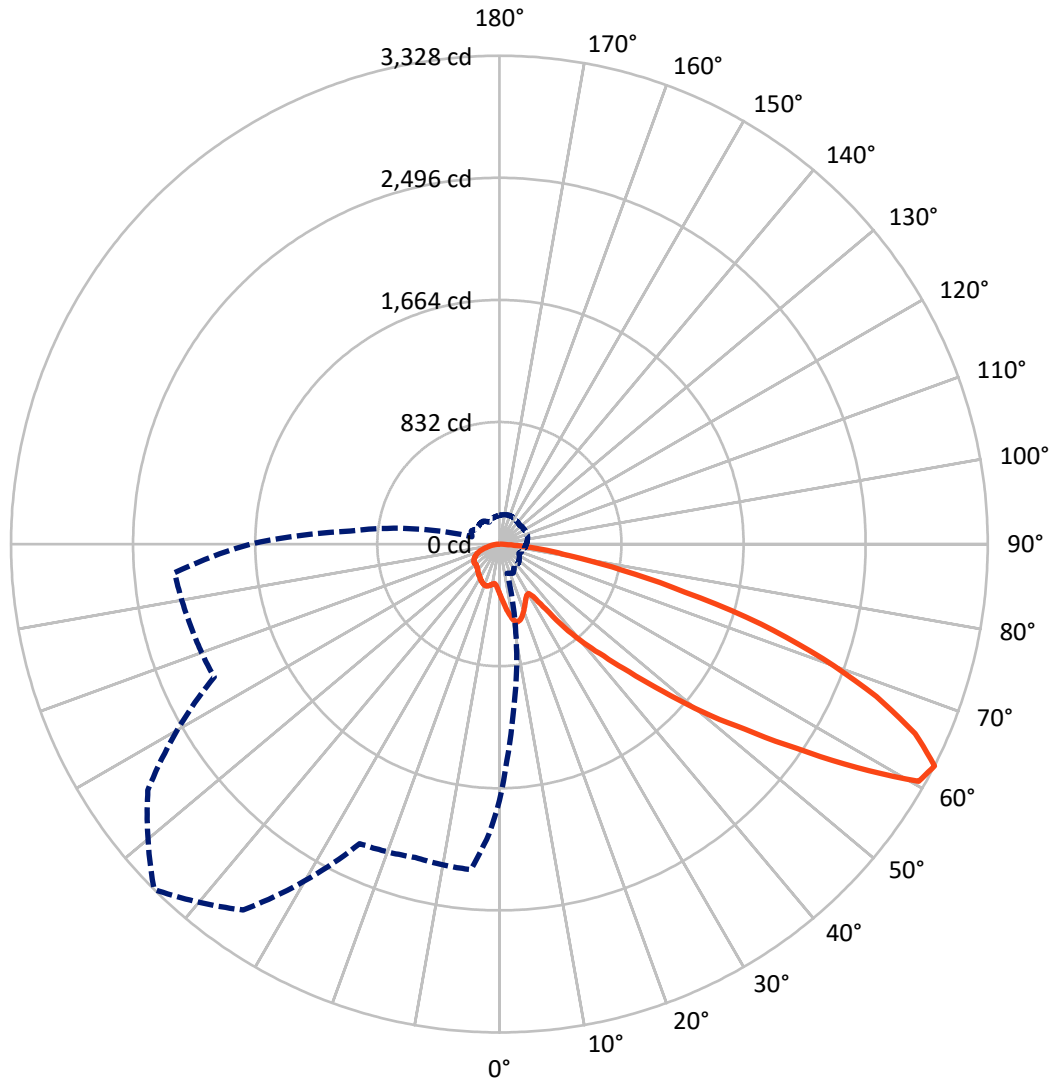
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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	651.9	0.0	651.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2074.5	0.0	2074.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	2726.4	0.0	2726.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	1.2
10°-20°	108.8	4.0
20°-30°	171.3	6.3
30°-40°	234.8	8.6
40°-50°	366.4	13.4
50°-60°	631.8	23.2
60°-70°	732.2	26.9
70°-80°	386.5	14.2
80°-90°	61.1	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°	2726.4	100.0
0°-180°	2726.4	100.0

Coefficient of Utilization



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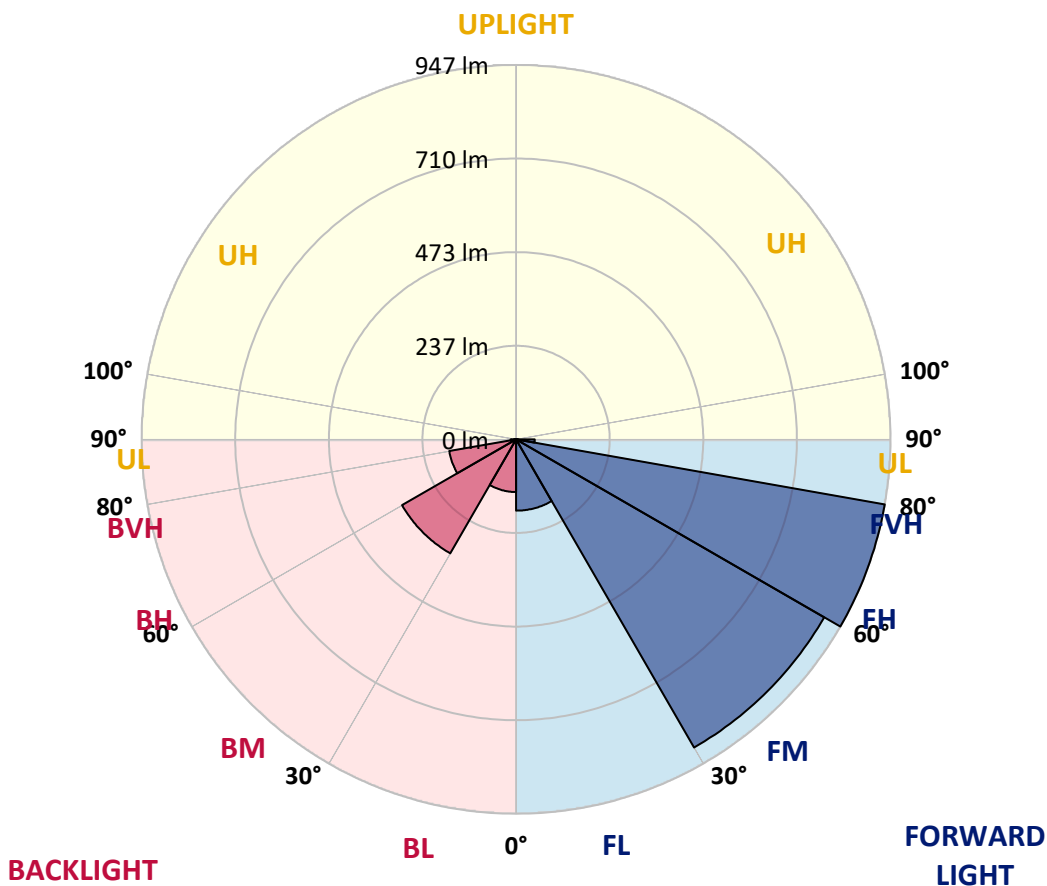
CATALOG NUMBER: GWS-SA1A-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.3	6.6			
FM (30°-60°)	900.1	33.0			
FH (60°-80°)	947.0	34.7			G1/1800
FVH (80°-90°)	47.1	1.7			G1/100
BL (0°-30°)	133.3	4.9	B1/500		
BM (30°-60°)	333.0	12.2	B1/1000		
BH (60°-80°)	171.6	6.3	B1/500		G1/500
BVH (80°-90°)	13.9	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°	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9
2.5°	369.3	367.9	365.8	358.7	354.3	349.3	344.1	338.0	331.2	326.4	321.6
5°	400.6	398.3	393.3	376.4	364.7	352.0	341.4	329.3	317.4	309.3	301.1
7.5°	430.6	427.7	420.0	394.1	375.2	356.8	340.8	323.2	305.5	293.4	283.8
10°	460.7	454.6	444.8	411.0	386.0	364.7	346.4	324.9	301.3	284.9	274.7
12.5°	483.6	478.0	467.3	426.5	396.9	370.2	349.5	329.7	309.7	292.2	281.7
15°	505.1	497.8	485.7	440.9	405.8	370.0	343.3	326.0	323.0	318.7	305.1
17.5°	520.5	513.9	501.3	452.5	410.8	363.5	326.0	315.7	328.9	342.2	329.3
20°	534.1	526.4	513.6	460.7	411.9	349.1	304.9	305.1	325.7	344.1	341.0
22.5°	545.5	537.0	525.7	469.8	411.5	329.1	286.5	299.1	319.7	334.1	334.5
25°	559.7	552.6	543.3	483.4	411.5	308.6	273.2	291.8	309.5	321.6	321.2
27.5°	577.0	572.2	564.5	504.0	415.2	291.5	265.7	282.4	296.3	306.8	306.6
30°	596.4	592.1	586.2	525.9	421.7	278.8	261.5	270.7	280.9	289.2	289.2
32.5°	616.2	614.6	608.3	543.5	416.7	274.9	258.0	259.0	264.4	271.3	270.7
35°	643.8	642.1	634.2	557.0	395.0	269.2	252.3	247.1	247.7	252.1	253.6
37.5°	684.0	681.5	669.8	572.9	362.2	255.0	243.2	234.6	232.7	234.6	237.3
40°	732.6	728.9	713.0	594.3	324.5	235.9	228.8	221.7	218.6	219.2	222.3
42.5°	793.5	785.6	762.9	617.1	287.2	219.0	212.7	208.3	204.8	204.4	210.4
45°	892.4	870.7	834.6	637.3	255.7	210.0	198.3	195.2	192.3	193.9	201.0
47.5°	1065.0	1025.0	954.7	654.6	236.5	210.2	186.9	183.5	183.3	186.6	194.6
50°	1302.4	1244.6	1136.1	666.3	226.5	212.7	180.0	174.6	178.5	181.8	189.4
52.5°	1529.7	1441.5	1312.4	666.1	222.1	213.1	181.8	166.2	178.5	179.3	186.4
55°	1723.8	1564.1	1359.9	597.7	215.8	211.5	189.1	159.7	176.2	179.3	185.0
57.5°	1878.1	1642.1	1356.4	482.8	234.8	202.3	193.5	158.3	169.5	179.8	186.2
60°	1861.0	1606.4	1269.0	296.3	232.9	186.0	192.9	161.0	158.3	174.1	184.8
62.5°	1747.4	1478.6	1118.6	205.6	218.8	176.6	182.7	165.8	147.9	166.0	177.7
65°	1588.3	1313.6	932.2	157.7	181.2	177.1	165.4	162.5	138.7	153.1	165.6
67.5°	1377.8	1109.0	735.9	124.9	126.4	153.3	150.2	144.3	130.1	141.6	152.9
70°	1035.8	809.4	506.3	100.5	95.7	128.0	134.9	129.7	121.8	125.1	137.0
72.5°	729.9	528.4	277.4	79.7	73.8	98.4	117.2	116.4	107.6	110.1	121.8
75°	542.4	373.9	173.3	63.0	60.1	70.5	98.2	100.7	93.4	96.3	105.3
77.5°	361.0	242.1	96.3	46.7	46.7	51.5	73.2	84.9	79.5	81.7	88.0
80°	199.2	123.2	48.2	30.7	31.5	35.5	53.4	61.1	61.3	66.9	68.6
82.5°	63.0	39.2	21.5	17.9	16.9	20.2	34.4	43.8	40.9	52.1	48.0
85°	14.4	9.2	4.0	4.0	4.4	6.7	13.1	23.4	29.8	35.9	26.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	9.2	13.6	12.1
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°	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9
2.5°	318.7	314.5	313.2	309.7	309.3	305.9	304.7	304.7	306.1	306.1	307.6
5°	297.8	292.6	289.7	285.5	284.5	282.0	280.3	280.5	282.4	283.6	286.1
7.5°	279.4	275.9	273.8	271.9	271.5	271.1	269.2	269.0	269.6	271.5	273.4
10°	271.7	269.2	269.9	271.3	273.6	274.9	273.2	272.4	271.7	273.0	274.7
12.5°	279.2	276.7	278.0	280.5	283.6	284.9	284.2	284.0	284.7	289.5	293.0
15°	295.7	290.9	289.2	290.3	292.8	294.0	293.4	294.3	298.2	310.7	319.7
17.5°	316.2	304.5	297.8	295.9	297.0	298.0	298.0	300.1	307.0	325.3	336.6
20°	327.2	312.0	300.7	296.1	296.5	297.6	297.6	300.5	308.2	327.8	335.1
22.5°	324.3	310.3	296.5	291.5	291.8	292.6	292.6	295.1	302.0	319.3	322.6
25°	312.8	300.5	287.0	282.6	283.0	284.5	284.0	285.5	290.7	304.9	306.8
27.5°	299.1	288.2	274.9	271.5	273.4	276.3	273.8	274.0	278.8	290.7	290.9
30°	284.2	275.3	263.4	260.9	264.4	265.9	263.6	263.6	268.4	276.5	276.3
32.5°	268.2	262.6	254.0	251.3	255.3	257.6	254.6	255.0	258.8	264.2	262.1
35°	253.2	250.3	246.3	244.4	246.9	249.0	247.1	248.0	251.5	253.0	250.0
37.5°	238.8	238.4	238.8	238.8	239.4	240.0	238.8	240.9	244.0	242.1	238.8
40°	226.3	227.9	231.9	230.9	230.2	230.9	230.0	233.6	236.7	233.4	229.4
42.5°	215.8	219.0	225.0	225.0	223.8	224.2	223.8	228.1	230.4	225.9	221.5
45°	206.9	211.5	219.2	220.2	218.1	218.1	219.0	224.4	225.2	219.0	214.4
47.5°	200.6	206.2	215.0	216.9	213.8	213.5	215.8	221.7	221.7	214.4	209.2
50°	196.2	202.5	212.9	215.4	212.3	211.5	215.2	220.8	219.6	210.8	205.6
52.5°	193.3	199.8	212.7	216.3	214.2	213.3	217.1	221.1	217.9	208.5	203.1
55°	191.4	198.5	213.3	216.3	214.0	212.5	216.3	219.8	218.1	207.3	202.1
57.5°	192.5	199.6	212.5	214.0	211.3	208.8	213.1	218.1	217.5	207.7	202.5
60°	190.8	197.3	207.9	208.3	203.7	199.8	206.2	213.8	213.8	206.2	201.7
62.5°	183.1	189.6	199.0	199.4	194.2	189.8	197.3	206.2	206.0	200.0	195.2
65°	170.4	176.4	187.1	188.1	182.9	178.3	186.0	194.4	195.0	189.6	185.4
67.5°	156.4	161.8	169.8	173.9	169.5	164.7	171.8	179.8	179.6	173.1	168.7
70°	139.7	144.7	152.0	155.6	152.9	148.3	154.7	158.9	157.0	153.9	151.0
72.5°	123.2	128.0	134.9	134.9	132.0	127.6	129.5	137.0	139.3	137.0	135.1
75°	105.9	110.1	114.9	116.0	109.5	101.6	110.3	116.8	119.5	118.5	116.2
77.5°	88.2	91.3	98.4	96.6	84.5	80.3	87.4	97.0	98.8	98.2	95.1
80°	68.0	69.9	77.4	73.6	64.2	61.5	64.6	72.2	72.6	70.5	66.5
82.5°	45.7	48.2	53.2	45.9	45.7	43.2	40.7	41.5	45.3	44.8	42.1
85°	23.4	24.6	29.4	27.5	23.6	20.4	19.4	20.6	18.6	16.9	14.6
87.5°	9.8	10.6	14.6	8.1	2.5	0.0	0.0	1.3	1.9	2.7	2.9
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°	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9
2.5°	310.9	313.2	318.9	326.0	332.8	339.9	347.6	352.4	358.3	365.8	366.0
5°	289.2	294.5	302.6	313.4	324.7	337.6	352.6	365.2	380.2	392.1	396.9
7.5°	275.9	283.4	293.6	307.4	322.2	338.3	357.9	378.9	403.5	419.4	428.8
10°	277.2	288.6	298.8	310.5	323.9	341.2	366.4	394.4	424.6	445.4	457.1
12.5°	299.5	311.6	309.7	309.1	318.0	339.1	373.3	410.0	446.9	467.8	481.7
15°	327.6	332.2	314.5	301.1	306.6	331.6	377.0	424.0	465.5	490.9	504.7
17.5°	342.0	332.8	311.4	291.3	289.9	320.1	378.9	438.1	486.3	511.8	526.4
20°	335.3	322.0	303.8	284.9	274.4	304.5	377.9	449.4	505.3	533.7	545.5
22.5°	320.9	309.3	295.1	276.9	261.9	287.4	375.2	460.7	522.2	550.8	561.2
25°	305.3	296.5	284.9	269.0	254.8	272.4	373.3	475.7	541.6	568.9	575.6
27.5°	289.7	283.2	273.6	261.3	253.2	261.9	373.9	495.3	566.6	592.5	589.8
30°	274.2	268.6	261.9	256.5	253.0	259.4	372.2	516.1	594.1	618.1	602.1
32.5°	259.6	254.4	250.3	251.1	253.2	260.5	363.7	535.1	619.4	639.8	615.4
35°	247.1	241.7	241.7	244.6	252.3	256.9	341.6	549.9	647.3	667.8	634.4
37.5°	235.4	230.6	233.8	238.6	245.9	247.3	313.2	564.3	688.0	707.2	663.8
40°	225.2	220.4	226.1	232.1	235.9	235.2	284.5	584.3	735.9	755.8	702.8
42.5°	217.1	212.7	217.7	225.4	226.1	226.7	263.4	603.5	791.6	816.9	769.9
45°	210.4	207.3	209.8	217.5	217.5	227.1	250.3	619.6	875.5	920.1	893.2
47.5°	205.2	203.3	204.6	207.1	211.3	234.6	241.9	631.9	1028.1	1115.7	1088.6
50°	202.3	200.4	202.1	196.9	209.4	238.4	239.2	641.3	1229.4	1366.6	1333.0
52.5°	199.8	199.2	200.2	188.1	213.5	235.9	237.1	628.8	1364.3	1613.5	1646.7
55°	199.0	199.4	194.4	181.6	218.6	227.5	230.9	539.3	1401.0	1826.4	2032.3
57.5°	199.4	198.1	185.4	182.3	218.8	210.8	239.8	384.8	1347.6	1919.0	2409.5
60°	197.9	191.7	174.6	187.9	209.2	191.2	233.4	250.9	1206.8	1847.9	2431.4
62.5°	191.4	182.3	165.2	191.0	192.1	179.6	211.9	193.3	1019.2	1695.7	2220.4
65°	182.1	169.8	157.2	184.6	174.8	174.1	159.3	154.9	819.6	1514.4	2020.2
67.5°	166.6	154.3	151.4	169.8	157.2	154.3	128.0	128.5	654.0	1321.3	1818.9
70°	149.1	136.8	139.1	153.5	139.9	128.3	103.6	107.0	496.1	1100.9	1547.6
72.5°	137.6	121.2	121.4	135.1	123.0	103.9	85.3	88.2	314.9	829.8	1230.4
75°	116.2	106.8	102.2	109.5	104.5	80.9	71.7	71.1	186.6	594.8	921.3
77.5°	97.0	89.7	87.4	90.3	78.0	59.9	57.8	56.7	105.7	381.0	603.7
80°	70.3	68.4	68.2	69.7	60.1	44.0	44.0	44.2	56.9	206.9	340.3
82.5°	44.6	48.8	43.2	48.0	40.9	31.3	29.2	33.2	32.7	88.2	143.5
85°	18.6	25.4	23.8	25.2	19.4	17.1	18.4	19.8	19.0	34.0	55.9
87.5°	3.5	4.2	4.6	4.4	4.4	5.4	6.0	7.3	7.3	9.8	16.9
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°	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9	339.9
2.5°	373.9	380.0	378.7	381.4	377.9	379.1	372.0	370.2	368.9	369.3
5°	412.3	424.6	426.9	431.5	428.3	428.3	415.8	406.5	403.1	400.6
7.5°	451.3	469.0	480.7	481.9	480.3	476.9	458.8	441.9	435.9	430.6
10°	485.9	507.2	520.3	526.6	523.4	518.2	495.7	472.6	465.3	460.7
12.5°	512.4	531.2	539.9	544.1	543.7	541.8	523.4	498.4	490.7	483.6
15°	529.5	538.9	535.5	535.3	538.3	545.8	540.1	520.5	511.6	505.1
17.5°	540.5	531.6	516.8	509.9	516.1	533.9	546.8	535.7	527.6	520.5
20°	544.5	512.6	491.1	478.4	485.7	511.3	543.3	546.8	539.9	534.1
22.5°	539.9	489.5	460.3	445.2	452.3	483.0	532.8	555.8	551.2	545.5
25°	528.7	465.3	430.2	416.7	424.4	455.7	514.3	564.1	564.3	559.7
27.5°	514.7	442.9	409.2	396.4	403.9	433.1	496.1	571.4	578.7	577.0
30°	500.5	429.6	399.2	390.2	395.8	421.7	477.6	578.9	593.5	596.4
32.5°	494.0	436.1	422.7	426.7	419.4	428.3	470.9	589.6	611.4	616.2
35°	502.6	493.4	527.2	542.8	517.0	483.0	479.4	605.6	636.7	643.8
37.5°	544.1	616.2	666.7	721.8	676.9	602.1	521.8	632.9	672.8	684.0
40°	634.4	723.4	814.6	885.7	817.9	717.2	602.3	673.6	722.4	732.6
42.5°	719.5	824.0	949.5	1041.5	953.5	811.2	689.0	742.0	787.9	793.5
45°	802.9	922.6	1112.8	1240.6	1121.1	900.7	777.7	857.5	892.1	892.4
47.5°	900.7	1033.7	1317.6	1499.6	1343.6	999.8	860.9	1040.4	1088.6	1065.0
50°	1017.7	1144.3	1528.4	1801.0	1615.0	1121.5	966.6	1263.4	1329.0	1302.4
52.5°	1174.3	1266.1	1760.7	2094.8	1910.7	1260.2	1119.9	1557.8	1579.5	1529.7
55°	1394.7	1441.9	2058.9	2457.7	2240.8	1431.0	1344.1	1927.4	1866.7	1723.8
57.5°	1896.7	1720.1	2441.8	2871.6	2614.3	1741.3	1835.4	2334.9	2119.0	1878.1
60°	2316.7	2057.9	2796.1	3282.5	2934.4	2083.3	2296.7	2405.8	2109.6	1861.0
62.5°	2175.1	2144.0	2924.0	3327.7	3043.7	2251.6	2211.0	2227.0	1972.0	1747.4
65°	1908.4	1977.8	2809.9	3113.1	2922.5	2100.9	1999.9	2061.9	1814.5	1588.3
67.5°	1750.9	1802.0	2607.0	2769.7	2702.3	1937.8	1835.8	1791.0	1570.1	1377.8
70°	1589.9	1632.3	2322.1	2338.6	2358.8	1666.7	1501.1	1367.6	1170.3	1035.8
72.5°	1373.9	1376.2	1962.0	1866.5	1904.8	1304.2	1208.3	1022.5	851.9	729.9
75°	1152.6	1089.6	1553.0	1304.6	1381.6	1014.6	1003.3	770.6	642.5	542.4
77.5°	878.8	805.2	1134.5	857.9	970.4	675.7	754.3	522.6	452.1	361.0
80°	590.0	544.1	626.9	484.2	634.8	465.7	492.0	296.1	256.7	199.2
82.5°	311.1	265.7	387.5	287.2	382.9	255.9	184.6	91.6	78.0	63.0
85°	120.5	139.5	190.0	102.2	148.5	91.3	53.4	22.7	19.0	14.4
87.5°	23.4	36.1	19.8	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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