

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: P629632

Luminaire Tested: GWS-SA1C-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2197.2 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

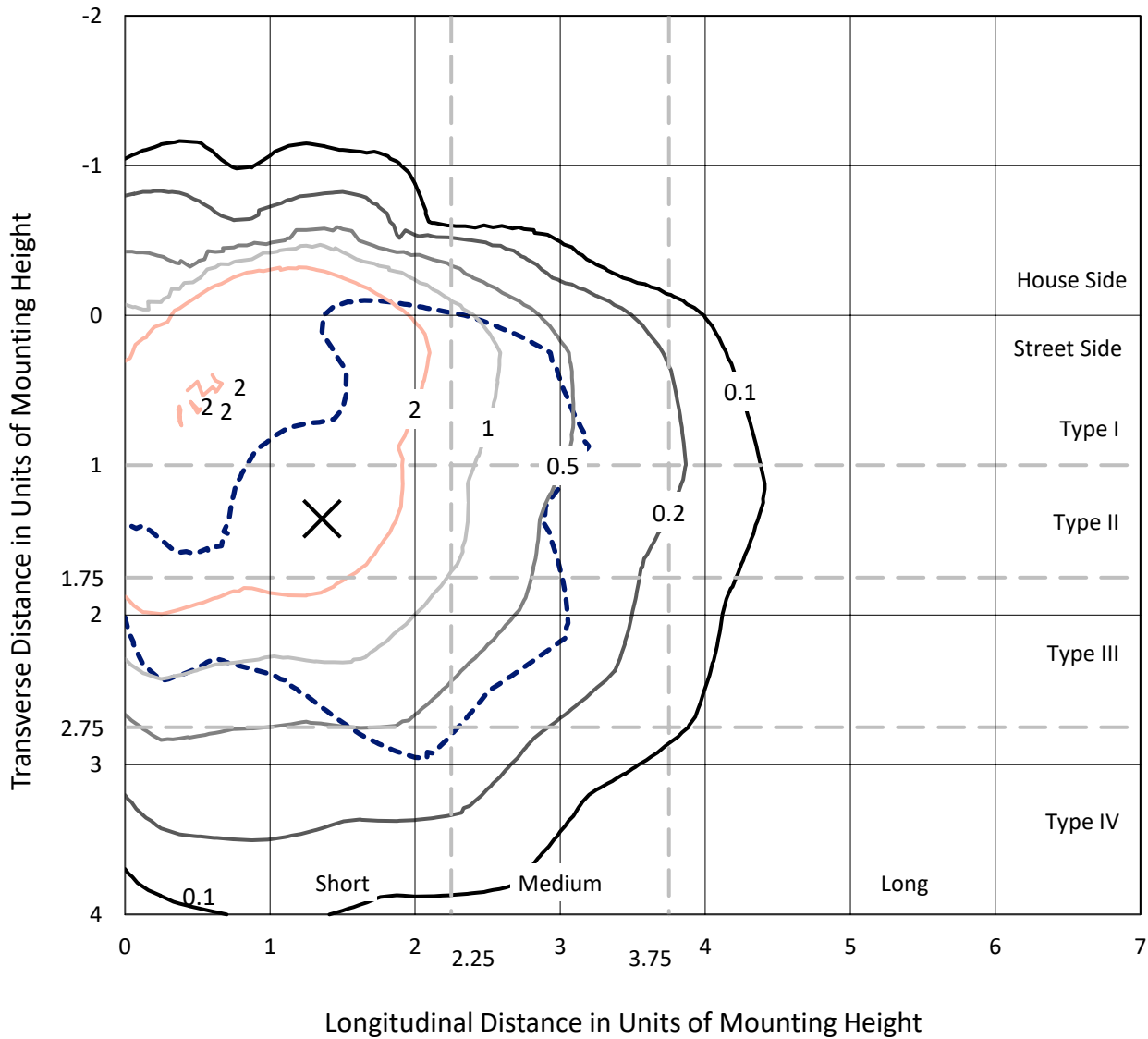
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

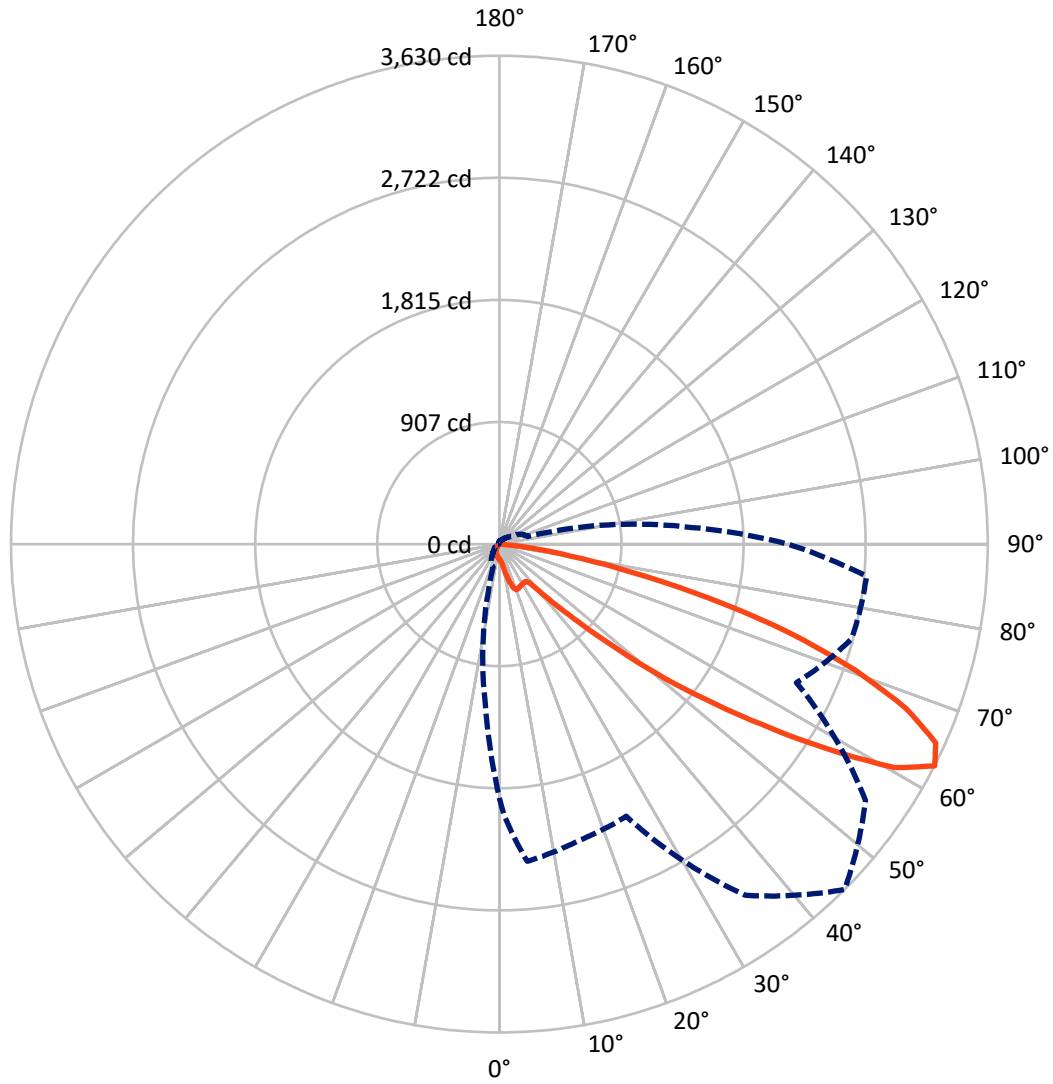
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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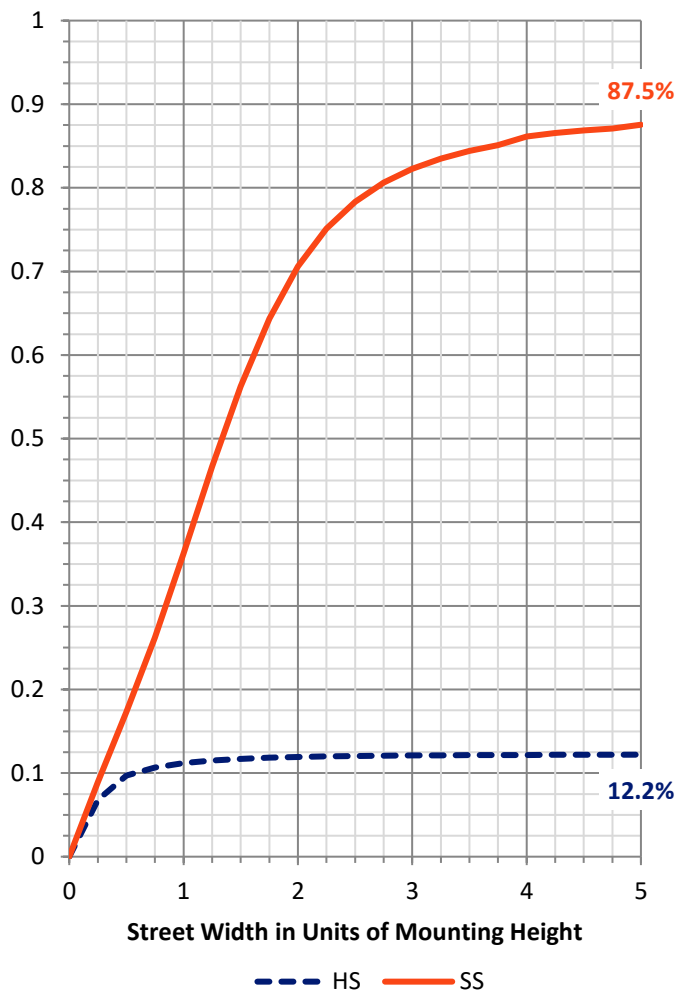
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	271.1	0.0	271.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1926.1	0.0	1926.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	2197.2	0.0	2197.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.5
10°-20°	38.3	1.7
20°-30°	83.3	3.8
30°-40°	136.7	6.2
40°-50°	251.3	11.4
50°-60°	539.6	24.6
60°-70°	724.8	33.0
70°-80°	377.4	17.2
80°-90°	35.8	1.6
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°	2197.2	100.0
0°-180°	2197.2	100.0

Coefficient of Utilization

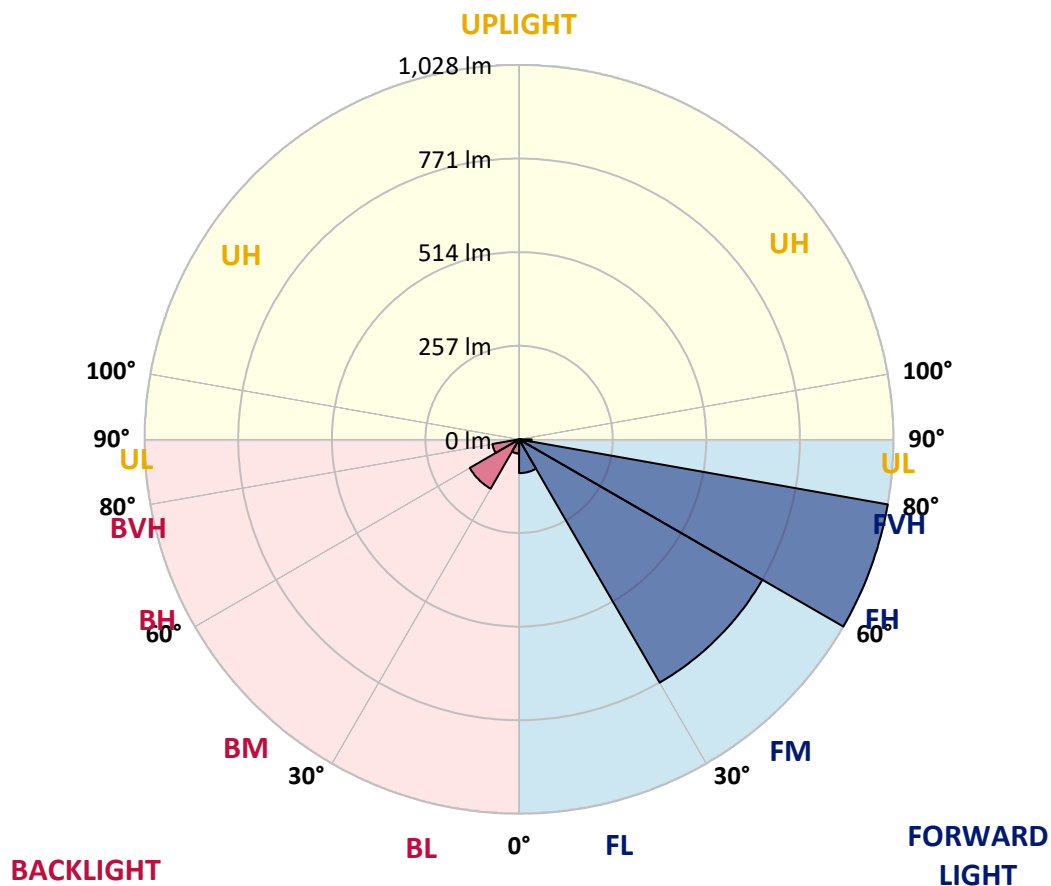


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.8	4.2			
FM (30°-60°)	771.2	35.1			
FH (60°-80°)	1027.9	46.8			G1/1800
FVH (80°-90°)	34.2	1.6			G1/100
BL (0°-30°)	38.9	1.8	B0/110		
BM (30°-60°)	156.4	7.1	B0/220		
BH (60°-80°)	74.3	3.4	B0/110		G0/110
BVH (80°-90°)	1.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	116.5	117.0	117.5	119.3	120.6	121.6	121.8	121.1	119.3	117.5	115.0
5°	112.9	113.4	115.2	120.0	124.9	128.7	129.9	129.2	124.9	119.3	113.4
7.5°	112.7	113.7	118.0	128.2	138.6	146.4	148.5	146.7	138.6	127.4	115.5
10°	121.8	123.6	129.9	148.2	167.3	181.2	186.8	179.2	166.2	145.9	126.4
12.5°	145.7	148.7	160.9	187.6	217.0	235.5	243.1	233.7	213.4	184.0	153.0
15°	183.2	187.8	206.1	245.9	280.7	297.2	299.7	294.4	270.8	238.3	196.7
17.5°	236.3	242.9	271.3	311.9	337.0	342.9	342.1	336.5	319.3	296.9	257.6
20°	299.7	307.6	335.5	369.0	371.6	364.7	360.9	357.6	351.8	348.0	317.2
22.5°	363.7	373.3	402.5	410.9	388.1	368.3	358.9	361.4	370.0	388.8	376.4
25°	427.4	436.5	463.9	441.4	395.7	362.7	350.7	356.8	377.4	418.0	434.0
27.5°	501.8	508.6	524.9	462.2	396.9	358.1	346.4	355.8	380.9	436.3	497.2
30°	579.2	583.2	575.4	467.7	392.6	351.3	342.1	355.8	387.0	448.5	544.6
32.5°	636.0	636.8	611.1	468.3	390.3	345.7	338.1	354.3	392.9	458.6	590.6
35°	694.6	690.8	645.4	475.9	396.4	347.7	341.1	358.6	402.0	470.5	630.9
37.5°	754.0	747.2	683.7	488.3	412.2	369.8	365.7	380.7	416.7	487.0	675.4
40°	814.9	805.5	723.6	507.1	447.2	444.9	458.9	457.1	457.1	508.1	721.0
42.5°	889.3	878.4	782.5	560.1	528.9	579.9	618.0	594.4	550.7	556.6	780.4
45°	987.5	978.1	884.5	661.6	657.1	774.3	825.6	778.9	670.3	668.5	879.7
47.5°	1144.6	1142.8	1047.2	779.4	813.9	1021.8	1120.8	1030.9	806.6	787.0	1067.5
50°	1365.4	1360.1	1249.9	917.5	1000.5	1328.4	1505.0	1355.3	971.3	925.3	1319.0
52.5°	1614.1	1619.7	1533.9	1068.2	1198.7	1669.5	1915.4	1726.8	1150.2	1101.2	1635.5
55°	1848.4	1880.4	1857.8	1244.6	1392.3	2046.1	2366.1	2134.4	1371.8	1331.4	1990.3
57.5°	2031.6	2121.7	2280.1	1501.0	1620.0	2486.7	2869.4	2576.3	1630.4	1705.3	2473.2
60°	2041.8	2161.1	2528.8	2037.2	1912.9	2864.6	3371.9	3008.0	2037.0	2340.0	2851.7
62.5°	1888.8	2016.7	2366.9	2280.9	2231.9	3186.2	3629.8	3322.7	2437.0	2711.8	2739.5
65°	1713.6	1842.8	2186.2	2004.5	2194.8	3172.5	3564.3	3330.1	2473.2	2459.0	2538.7
67.5°	1448.9	1564.9	1875.8	1774.3	2023.0	3019.4	3261.8	3120.2	2278.6	2299.9	2335.4
70°	1057.6	1169.2	1457.8	1462.9	1766.7	2743.5	2802.7	2783.1	2098.4	2121.0	2019.5
72.5°	763.9	858.1	1107.1	1199.7	1410.3	2300.7	2259.8	2335.2	1800.4	1889.0	1622.0
75°	549.2	619.8	812.1	1043.6	1118.0	1708.6	1617.7	1808.6	1444.6	1626.6	1219.5
77.5°	222.8	247.7	319.5	703.0	734.7	1149.4	990.3	1313.7	1029.9	1068.7	591.1
80°	9.1	10.2	13.2	362.9	503.8	646.7	529.9	702.3	680.2	430.4	139.6
82.5°	1.0	1.0	2.3	104.6	220.5	356.8	249.7	404.6	344.4	182.5	63.4
85°	0.3	0.3	0.5	11.9	51.8	57.1	33.8	124.1	160.1	74.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	2.5	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°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	115.0	113.7	112.2	110.7	109.9	107.9	107.1	106.6	106.1	106.3	106.3
5°	111.2	108.4	105.1	101.8	100.0	98.0	97.0	96.4	96.7	97.7	97.7
7.5°	110.7	105.3	98.2	93.9	91.9	90.4	89.3	88.8	89.1	90.4	90.9
10°	119.0	109.6	97.0	89.6	87.3	85.8	84.8	84.0	83.5	84.5	84.8
12.5°	137.1	124.1	103.0	89.1	85.0	83.0	82.2	80.7	79.9	80.5	80.7
15°	174.4	152.0	115.2	91.1	83.0	80.7	79.4	78.2	76.9	76.6	76.9
17.5°	223.1	191.1	133.8	95.9	81.5	78.7	76.9	75.1	73.3	73.1	72.8
20°	283.5	239.1	159.6	103.5	80.2	76.9	74.4	71.8	69.5	68.8	68.8
22.5°	338.6	296.9	192.9	112.9	78.4	74.4	71.3	68.3	65.7	64.5	64.2
25°	405.8	358.4	232.7	123.9	75.9	71.1	67.8	64.7	62.2	60.7	60.1
27.5°	473.6	423.1	277.9	138.1	72.8	67.8	64.7	61.9	59.1	57.4	56.9
30°	539.3	492.9	328.7	155.8	70.6	64.5	61.9	59.1	56.6	53.8	53.0
32.5°	609.9	564.2	385.5	175.6	68.8	62.2	59.4	56.9	53.6	51.0	49.7
35°	677.9	637.8	448.2	194.9	67.0	60.1	57.1	54.6	51.0	48.2	46.4
37.5°	746.4	712.7	513.7	206.6	64.5	57.4	54.6	52.5	48.5	45.2	43.1
40°	819.0	790.1	584.5	201.8	62.2	54.3	52.8	50.5	45.9	42.1	39.6
42.5°	898.7	863.9	656.6	183.2	60.1	51.8	50.3	48.0	43.7	39.1	35.8
45°	998.9	944.9	715.7	155.3	61.2	49.2	46.2	45.7	41.6	35.8	31.7
47.5°	1171.3	1069.2	761.6	137.3	68.0	46.4	42.9	44.2	39.8	32.5	27.9
50°	1435.0	1275.3	804.5	136.0	78.4	45.2	39.8	43.1	38.1	29.2	24.6
52.5°	1686.2	1484.7	831.9	147.2	87.6	48.5	36.8	41.9	36.8	26.9	22.3
55°	1926.6	1605.5	783.0	155.3	96.2	58.4	34.5	39.8	35.3	25.6	21.6
57.5°	2185.7	1659.3	616.5	171.8	102.3	66.7	35.0	36.8	33.2	24.9	21.3
60°	2263.1	1590.5	372.1	193.4	99.0	69.3	38.8	32.7	30.5	23.3	20.6
62.5°	2142.8	1427.4	219.5	176.1	96.2	65.5	44.4	30.2	27.7	21.3	19.0
65°	1962.9	1205.8	143.1	148.7	102.0	58.4	47.2	28.9	25.1	19.3	16.8
67.5°	1757.3	971.3	100.2	87.8	94.2	52.5	39.8	28.7	22.6	16.2	13.7
70°	1480.1	727.4	70.6	58.1	78.4	46.7	31.0	27.9	19.8	13.2	10.7
72.5°	1143.6	455.3	52.5	37.6	55.8	38.1	24.6	23.6	16.0	10.9	8.1
75°	843.4	259.6	37.1	27.2	36.8	28.9	18.3	16.8	13.7	10.4	7.4
77.5°	440.3	129.9	23.1	20.8	21.1	18.0	13.2	12.2	12.7	10.4	6.9
80°	84.5	25.9	14.0	15.2	11.4	11.4	9.6	10.2	11.2	8.4	5.8
82.5°	35.3	5.6	7.6	8.6	7.1	7.9	7.9	8.1	7.9	6.1	4.3
85°	0.0	0.0	3.3	3.6	4.8	4.8	4.1	4.1	4.1	3.6	2.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.5	1.8	2.0	1.5	1.0
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°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	106.1	105.6	106.3	106.8	107.4	107.4	106.8	106.3	105.6	106.3	105.6
5°	98.0	98.7	100.0	100.5	101.0	100.0	99.5	98.0	96.7	97.0	96.4
7.5°	91.6	92.4	93.9	94.9	94.9	94.4	92.9	91.4	89.3	89.3	89.1
10°	85.8	86.8	88.6	89.8	90.4	89.8	88.3	86.3	84.5	84.5	83.8
12.5°	81.0	82.2	84.3	86.0	86.5	86.0	84.5	82.5	80.5	80.5	79.9
15°	76.9	78.4	80.7	82.7	83.5	82.7	81.0	78.4	76.4	76.6	75.9
17.5°	73.1	74.4	77.4	79.7	80.5	79.7	77.4	74.1	72.1	72.6	72.1
20°	68.8	70.3	73.3	75.9	76.6	75.9	73.3	69.8	67.8	67.8	68.0
22.5°	64.2	65.7	68.8	70.6	71.6	70.8	68.3	65.0	62.9	62.9	63.2
25°	60.1	60.9	63.2	65.0	65.2	64.5	62.4	59.9	58.4	59.1	59.4
27.5°	56.3	56.3	57.4	58.4	58.1	57.4	56.6	54.6	54.3	55.1	55.8
30°	52.3	51.0	50.5	49.7	49.5	49.2	50.0	50.0	50.5	51.5	52.3
32.5°	48.7	46.2	43.9	41.6	40.4	41.4	43.4	45.2	47.0	48.5	49.2
35°	44.7	40.6	36.8	33.8	31.7	33.2	36.5	39.8	42.9	44.9	46.2
37.5°	40.6	34.8	30.2	26.4	24.9	26.1	29.7	34.3	38.8	41.4	43.1
40°	36.3	28.9	23.6	20.6	19.0	20.3	23.9	28.4	34.5	37.8	40.1
42.5°	32.0	23.9	19.0	16.0	15.2	16.0	18.8	23.3	29.9	34.0	37.1
45°	27.7	19.8	15.2	12.9	12.2	12.9	15.2	19.0	25.6	30.2	33.8
47.5°	23.9	16.8	12.7	10.7	10.2	10.9	12.7	16.0	21.6	26.1	30.2
50°	20.8	14.7	10.9	9.1	8.6	9.4	10.9	13.5	18.3	22.3	26.6
52.5°	18.8	13.7	9.6	7.9	7.6	8.1	9.4	11.4	15.5	19.0	23.1
55°	18.3	13.7	8.9	7.1	6.9	7.4	8.4	9.9	13.5	16.5	20.0
57.5°	18.8	14.7	8.4	6.1	5.8	6.3	7.4	8.6	11.7	14.2	17.5
60°	18.8	15.0	7.4	4.8	4.6	5.1	6.1	7.6	10.4	12.4	15.2
62.5°	17.0	13.7	6.1	3.8	3.3	3.8	5.1	6.3	9.1	11.2	13.5
65°	14.7	11.7	5.1	2.8	2.3	2.8	4.1	5.3	7.9	9.6	12.2
67.5°	11.9	8.9	3.8	2.0	1.5	2.0	3.0	4.3	6.6	8.4	10.9
70°	8.9	6.3	3.0	1.8	1.5	1.8	2.8	4.1	5.8	7.6	10.2
72.5°	6.6	4.3	2.5	1.8	1.3	1.8	2.5	3.8	5.6	7.4	9.6
75°	5.6	3.6	2.3	1.5	1.3	1.5	2.3	3.6	5.1	6.9	9.1
77.5°	5.3	3.3	2.0	1.3	1.0	1.3	2.0	3.0	4.6	6.3	8.9
80°	4.6	2.8	1.8	1.0	0.8	1.0	1.8	2.5	3.6	4.8	6.9
82.5°	3.6	2.3	1.3	0.5	0.3	0.5	1.3	1.5	2.3	2.8	4.1
85°	2.3	1.3	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.3	2.0
87.5°	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2
2.5°	107.1	107.4	107.9	108.6	110.4	111.9	113.4	115.5	116.5	116.5
5°	97.0	97.2	97.5	98.5	101.0	103.0	106.3	110.4	112.4	112.9
7.5°	89.1	89.6	90.1	90.9	93.4	96.2	100.5	108.1	111.9	112.7
10°	84.5	85.3	86.3	87.8	90.1	93.1	100.5	114.2	120.6	121.8
12.5°	81.0	82.2	83.2	85.0	87.8	92.6	107.4	131.5	142.6	145.7
15°	77.4	78.9	80.5	82.2	85.3	94.4	120.6	162.4	181.0	183.2
17.5°	73.9	75.6	77.7	79.7	83.5	98.7	141.4	205.3	231.2	236.3
20°	69.8	72.1	74.9	77.4	81.7	105.6	170.3	256.3	288.8	299.7
22.5°	65.5	68.3	71.6	74.9	79.7	114.0	205.3	311.2	356.6	363.7
25°	61.9	64.7	67.8	71.1	76.4	124.1	247.7	379.2	420.5	427.4
27.5°	58.6	61.4	64.2	67.3	73.1	137.3	298.7	451.5	494.6	501.8
30°	55.1	58.4	61.2	64.2	70.0	153.5	357.6	531.7	572.6	579.2
32.5°	52.0	55.3	58.1	61.2	67.8	171.3	419.5	602.8	636.0	636.0
35°	49.5	53.0	55.1	59.1	66.0	182.7	478.2	670.5	695.7	694.6
37.5°	46.7	51.0	52.5	55.3	63.7	184.0	533.2	742.1	760.6	754.0
40°	43.9	48.5	50.8	52.3	61.2	173.6	593.6	807.8	823.6	814.9
42.5°	41.4	44.9	48.2	50.0	59.6	155.3	642.1	878.1	896.9	889.3
45°	38.8	41.9	43.9	47.2	60.7	142.6	683.7	960.1	993.1	987.5
47.5°	36.3	38.8	40.1	45.2	67.5	136.8	709.1	1087.0	1149.2	1144.6
50°	33.5	36.5	36.5	44.7	77.7	138.8	731.2	1270.8	1366.9	1365.4
52.5°	30.7	34.0	33.5	48.5	85.5	148.2	756.3	1432.9	1600.2	1614.1
55°	27.9	31.0	31.5	56.1	90.1	156.3	659.1	1501.2	1799.4	1848.4
57.5°	24.9	26.6	32.7	61.9	88.6	179.9	451.5	1513.6	1926.6	2031.6
60°	21.6	23.1	37.1	60.7	83.8	166.2	284.3	1402.0	1908.5	2041.8
62.5°	18.8	21.3	39.1	53.6	85.3	144.2	181.2	1194.9	1736.7	1888.8
65°	16.5	20.6	35.5	48.5	86.3	97.7	122.3	972.0	1569.0	1713.6
67.5°	14.7	22.8	29.2	43.1	74.1	68.8	84.0	755.3	1319.2	1448.9
70°	13.5	23.3	23.9	37.1	57.4	44.2	55.3	508.4	909.4	1057.6
72.5°	12.2	17.3	18.0	29.7	37.1	26.9	35.8	290.9	662.9	763.9
75°	11.7	11.7	12.4	19.3	20.6	19.5	23.1	173.6	475.4	549.2
77.5°	10.9	8.9	7.9	12.4	11.2	14.0	13.7	77.2	206.1	222.8
80°	8.6	6.3	5.3	7.9	7.6	9.4	8.1	6.3	9.4	9.1
82.5°	5.3	4.1	3.8	4.8	4.3	4.8	3.8	1.0	1.0	1.0
85°	2.5	2.3	2.0	2.0	2.3	2.0	1.5	0.5	0.3	0.3
87.5°	1.3	1.3	1.0	0.8	1.0	1.0	0.8	0.3	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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