

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: P630125

Luminaire Tested: GWS-SA1D-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630125
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-SA1D-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: 2771.9 lumens
Efficiency: N/A
Efficacy: 62.6 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

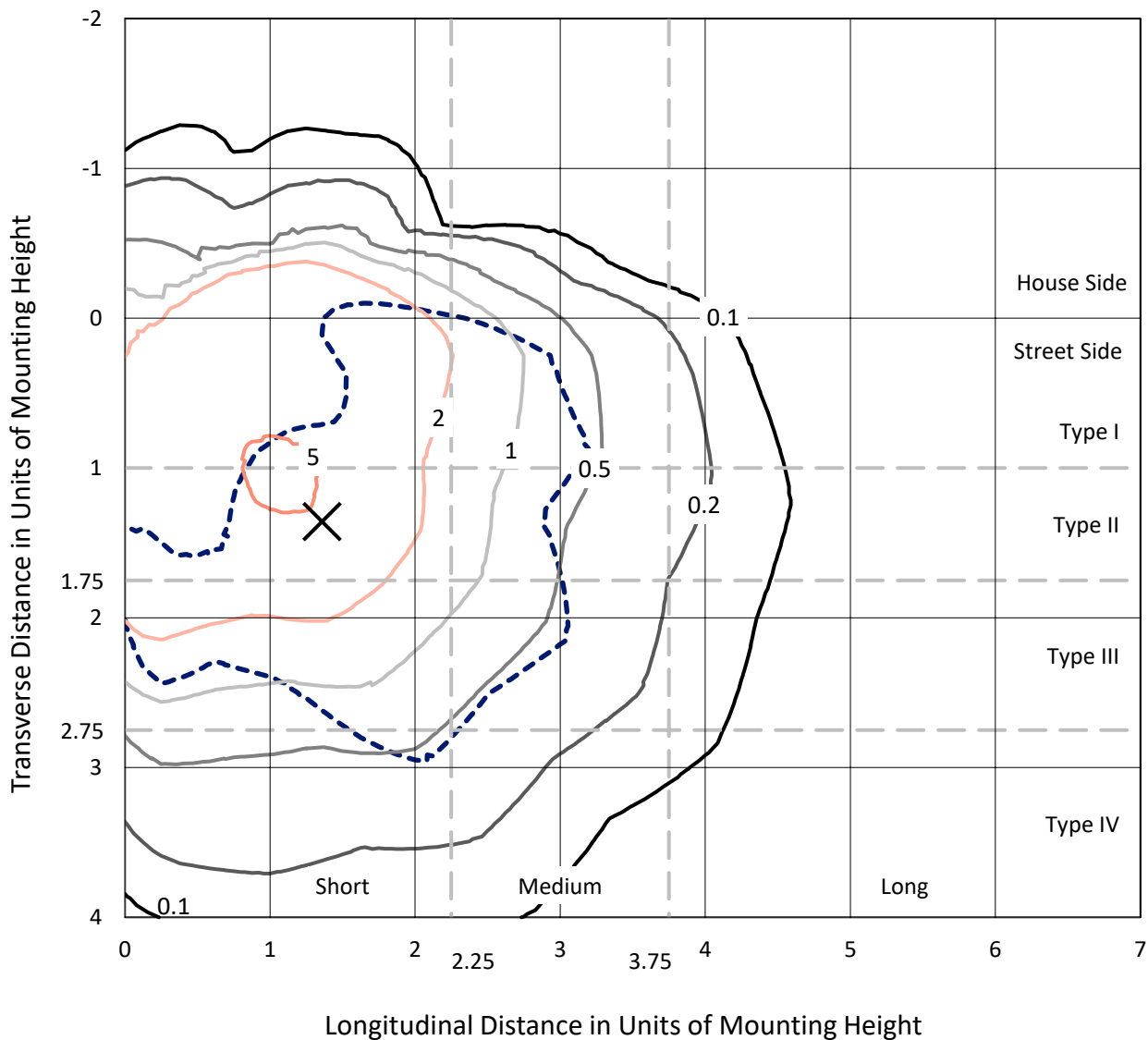
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

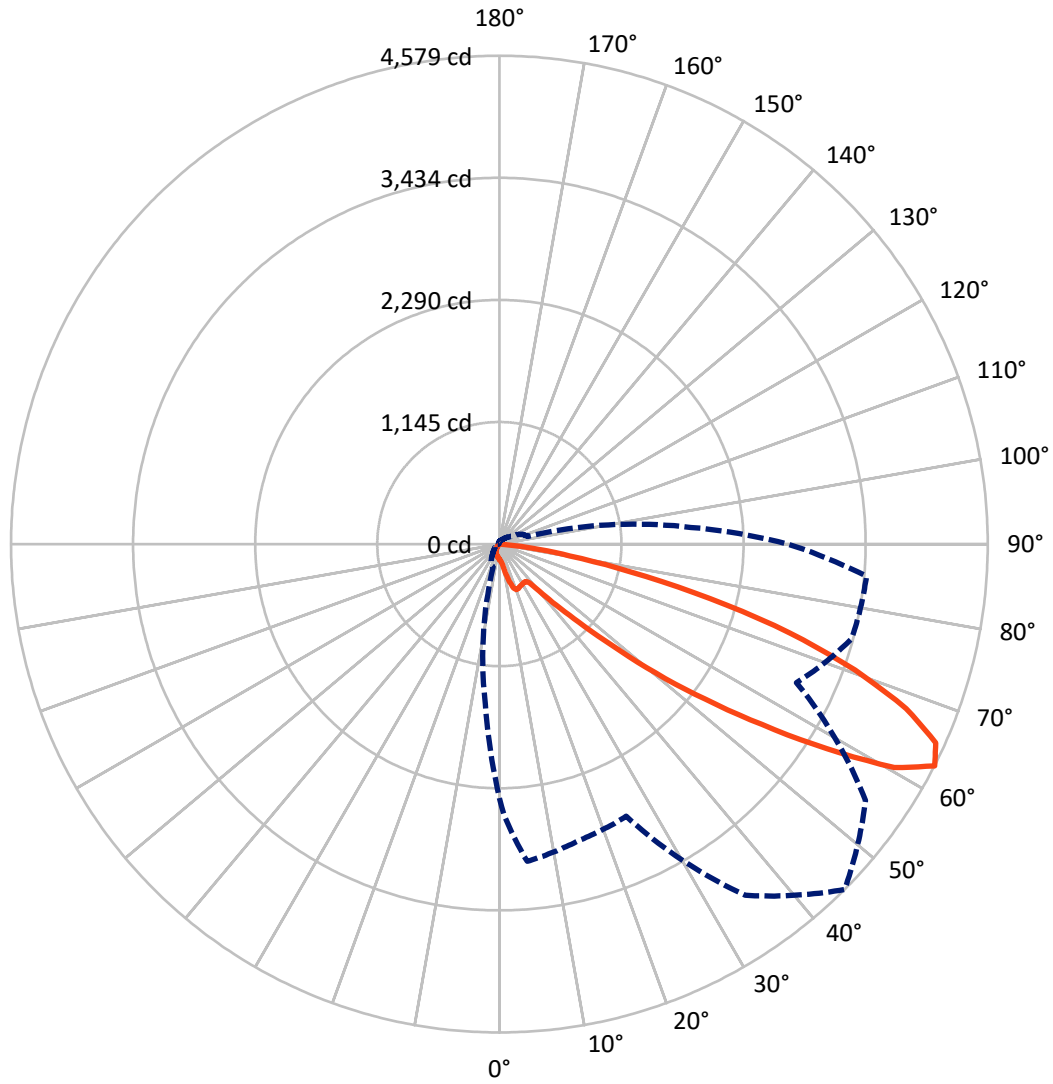
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type 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	342.0	0.0	342.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2429.8	0.0	2429.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	2771.9	0.0	2771.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.5
10°-20°	48.3	1.7
20°-30°	105.1	3.8
30°-40°	172.4	6.2
40°-50°	317.0	11.4
50°-60°	680.7	24.6
60°-70°	914.3	33.0
70°-80°	476.1	17.2
80°-90°	45.1	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°	2771.9	100.0
0°-180°	2771.9	100.0

Coefficient of Utilization



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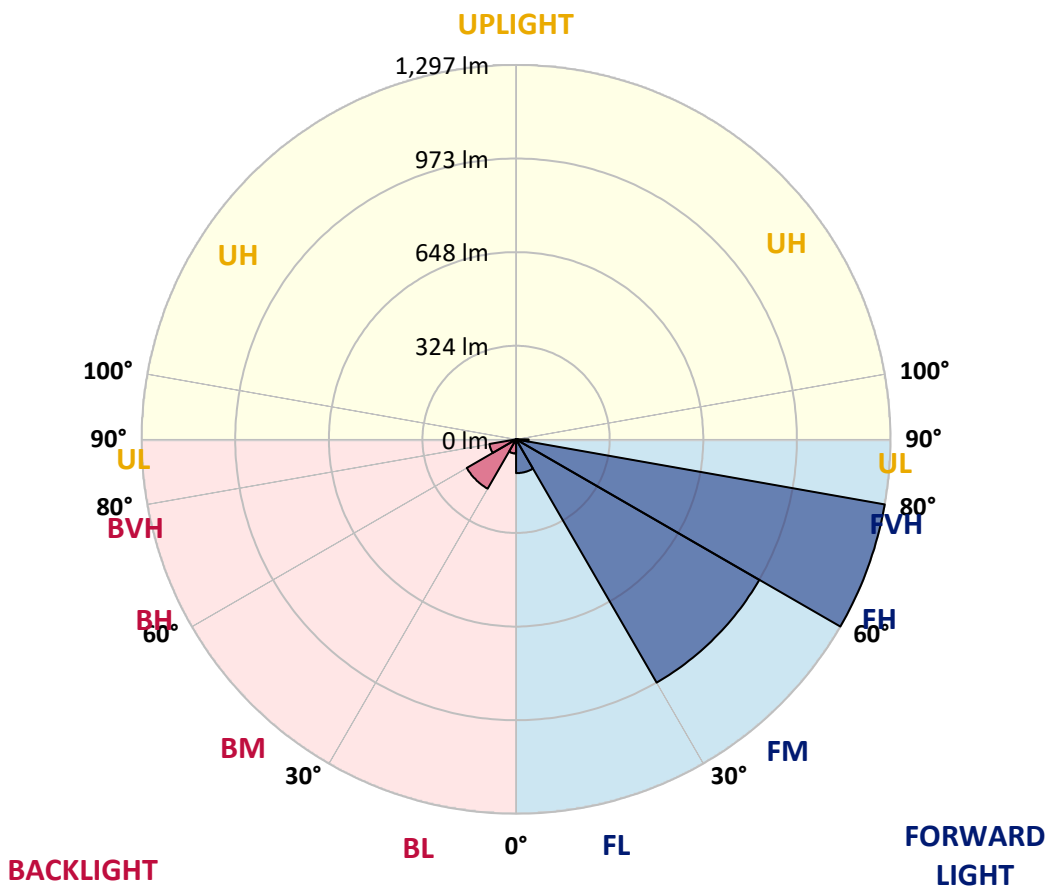
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.1	4.2			
FM (30°-60°)	972.9	35.1			
FH (60°-80°)	1296.7	46.8			G1/1800
FVH (80°-90°)	43.1	1.6			G1/100
BL (0°-30°)	49.1	1.8	B0/110		
BM (30°-60°)	197.2	7.1	B0/220		
BH (60°-80°)	93.7	3.4	B0/110		G0/110
BVH (80°-90°)	2.0	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°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	147.0	147.6	148.2	150.5	152.1	153.4	153.7	152.7	150.5	148.2	145.0
5°	142.5	143.1	145.4	151.4	157.5	162.3	163.9	163.0	157.5	150.5	143.1
7.5°	142.2	143.4	148.9	161.7	174.8	184.7	187.3	185.1	174.8	160.7	145.7
10°	153.7	155.9	163.9	187.0	211.0	228.6	235.7	226.0	209.7	184.1	159.4
12.5°	183.8	187.6	203.0	236.6	273.8	297.1	306.7	294.9	269.3	232.1	193.1
15°	231.2	236.9	260.0	310.3	354.1	374.9	378.1	371.4	341.6	300.6	248.1
17.5°	298.1	306.4	342.3	393.5	425.2	432.6	431.6	424.6	402.8	374.6	325.0
20°	378.1	388.1	423.3	465.5	468.7	460.1	455.3	451.1	443.8	439.0	400.2
22.5°	458.8	471.0	507.8	518.4	489.6	464.6	452.7	455.9	466.8	490.5	474.8
25°	539.2	550.7	585.3	556.8	499.2	457.5	442.5	450.2	476.1	527.3	547.5
27.5°	633.0	641.6	662.1	583.0	500.8	451.8	437.0	448.9	480.6	550.4	627.2
30°	730.6	735.8	725.8	590.1	495.3	443.1	431.6	448.9	488.3	565.8	687.1
32.5°	802.4	803.3	771.0	590.7	492.4	436.1	426.5	447.0	495.6	578.6	745.1
35°	876.3	871.5	814.2	600.3	500.1	438.6	430.3	452.4	507.2	593.6	796.0
37.5°	951.3	942.6	862.6	616.0	520.0	466.5	461.4	480.3	525.7	614.4	852.0
40°	1028.1	1016.2	912.8	639.7	564.2	561.3	578.9	576.6	576.6	641.0	909.6
42.5°	1121.9	1108.1	987.1	706.6	667.3	731.6	779.6	749.9	694.8	702.2	984.6
45°	1245.8	1234.0	1115.8	834.7	828.9	976.9	1041.5	982.6	845.6	843.4	1109.7
47.5°	1444.0	1441.8	1321.1	983.3	1026.8	1289.0	1413.9	1300.6	1017.5	992.9	1346.7
50°	1722.6	1715.8	1576.9	1157.4	1262.1	1675.8	1898.7	1709.8	1225.3	1167.4	1664.0
52.5°	2036.3	2043.4	1935.2	1347.6	1512.2	2106.1	2416.4	2178.5	1451.1	1389.3	2063.2
55°	2331.9	2372.2	2343.7	1570.2	1756.5	2581.3	2985.0	2692.7	1730.6	1679.7	2510.8
57.5°	2563.0	2676.7	2876.5	1893.5	2043.7	3137.1	3619.9	3250.1	2056.8	2151.3	3120.1
60°	2575.8	2726.3	3190.3	2570.1	2413.2	3613.9	4253.9	3794.8	2569.8	2952.1	3597.5
62.5°	2382.8	2544.1	2986.0	2877.5	2815.7	4019.5	4579.2	4191.8	3074.4	3421.1	3456.0
65°	2161.9	2324.8	2758.0	2528.8	2768.9	4002.2	4496.6	4201.1	3120.1	3102.2	3202.8
67.5°	1827.9	1974.2	2366.4	2238.4	2552.2	3809.2	4114.9	3936.3	2874.6	2901.5	2946.3
70°	1334.2	1475.1	1839.1	1845.5	2228.8	3461.1	3535.7	3511.1	2647.2	2675.7	2547.7
72.5°	963.7	1082.5	1396.6	1513.5	1779.2	2902.4	2850.9	2946.0	2271.4	2383.1	2046.3
75°	692.9	781.9	1024.6	1316.6	1410.4	2155.4	2040.8	2281.6	1822.5	2052.0	1538.5
77.5°	281.1	312.5	403.1	886.9	926.9	1450.1	1249.3	1657.2	1299.3	1348.3	745.7
80°	11.5	12.8	16.6	457.9	635.6	815.8	668.5	885.9	858.1	543.0	176.1
82.5°	1.3	1.3	2.9	131.9	278.2	450.2	315.1	510.4	434.5	230.2	80.0
85°	0.3	0.3	0.6	15.0	65.3	72.0	42.6	156.6	202.0	94.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.9	3.2	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°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	145.0	143.4	141.5	139.6	138.6	136.1	135.1	134.5	133.8	134.2	134.2
5°	140.2	136.7	132.6	128.4	126.2	123.6	122.3	121.7	122.0	123.3	123.3
7.5°	139.6	132.9	123.9	118.5	115.9	114.0	112.7	112.1	112.4	114.0	114.6
10°	150.2	138.3	122.3	113.0	110.1	108.2	106.9	106.0	105.3	106.6	106.9
12.5°	172.9	156.6	130.0	112.4	107.3	104.7	103.7	101.8	100.9	101.5	101.8
15°	220.0	191.8	145.4	114.9	104.7	101.8	100.2	98.6	97.0	96.7	97.0
17.5°	281.4	241.1	168.7	121.0	102.8	99.3	97.0	94.8	92.5	92.2	91.9
20°	357.6	301.6	201.4	130.6	101.2	97.0	93.8	90.6	87.7	86.8	86.8
22.5°	427.1	374.6	243.3	142.5	98.9	93.8	90.0	86.1	82.9	81.3	81.0
25°	512.0	452.1	293.6	156.2	95.7	89.7	85.5	81.6	78.4	76.5	75.9
27.5°	597.5	533.7	350.6	174.2	91.9	85.5	81.6	78.1	74.6	72.4	71.7
30°	680.4	621.8	414.6	196.6	89.0	81.3	78.1	74.6	71.4	67.9	66.9
32.5°	769.4	711.8	486.4	221.6	86.8	78.4	74.9	71.7	67.6	64.4	62.8
35°	855.2	804.6	565.4	245.9	84.5	75.9	72.0	68.8	64.4	60.8	58.6
37.5°	941.6	899.1	648.0	260.6	81.3	72.4	68.8	66.3	61.2	57.0	54.4
40°	1033.2	996.7	737.4	254.5	78.4	68.5	66.6	63.7	58.0	53.1	49.9
42.5°	1133.8	1089.9	828.3	231.2	75.9	65.3	63.4	60.5	55.1	49.3	45.1
45°	1260.2	1192.0	902.9	195.9	77.2	62.1	58.3	57.6	52.5	45.1	40.0
47.5°	1477.6	1348.9	960.9	173.2	85.8	58.6	54.1	55.7	50.3	41.0	35.2
50°	1810.3	1608.9	1015.0	171.6	98.9	57.0	50.3	54.4	48.0	36.8	31.1
52.5°	2127.3	1873.1	1049.5	185.7	110.5	61.2	46.4	52.8	46.4	33.9	28.2
55°	2430.5	2025.5	987.8	195.9	121.3	73.6	43.5	50.3	44.5	32.3	27.2
57.5°	2757.4	2093.3	777.7	216.8	129.0	84.2	44.2	46.4	41.9	31.4	26.9
60°	2855.0	2006.6	469.4	244.0	124.9	87.4	49.0	41.3	38.4	29.5	25.9
62.5°	2703.3	1800.7	277.0	222.2	121.3	82.6	56.0	38.1	34.9	26.9	24.0
65°	2476.3	1521.2	180.6	187.6	128.7	73.6	59.6	36.5	31.7	24.3	21.1
67.5°	2216.9	1225.3	126.5	110.8	118.8	66.3	50.3	36.2	28.5	20.5	17.3
70°	1867.3	917.6	89.0	73.3	98.9	58.9	39.1	35.2	25.0	16.6	13.4
72.5°	1442.7	574.4	66.3	47.4	70.4	48.0	31.1	29.8	20.2	13.8	10.2
75°	1064.0	327.5	46.7	34.3	46.4	36.5	23.1	21.1	17.3	13.1	9.3
77.5°	555.5	163.9	29.1	26.3	26.6	22.7	16.6	15.4	16.0	13.1	8.6
80°	106.6	32.7	17.6	19.2	14.4	14.4	12.2	12.8	14.1	10.6	7.4
82.5°	44.5	7.0	9.6	10.9	9.0	9.9	9.9	10.2	9.9	7.7	5.4
85°	0.0	0.0	4.2	4.5	6.1	6.1	5.1	5.1	5.1	4.5	3.2
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	1.9	2.2	2.6	1.9	1.3
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°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	133.8	133.2	134.2	134.8	135.4	135.4	134.8	134.2	133.2	134.2	133.2
5°	123.6	124.5	126.2	126.8	127.4	126.2	125.5	123.6	122.0	122.3	121.7
7.5°	115.6	116.5	118.5	119.7	119.7	119.1	117.2	115.3	112.7	112.7	112.4
10°	108.2	109.5	111.7	113.3	114.0	113.3	111.4	108.9	106.6	106.6	105.7
12.5°	102.1	103.7	106.3	108.5	109.2	108.5	106.6	104.1	101.5	101.5	100.9
15°	97.0	98.9	101.8	104.4	105.3	104.4	102.1	98.9	96.4	96.7	95.7
17.5°	92.2	93.8	97.7	100.5	101.5	100.5	97.7	93.5	90.9	91.6	90.9
20°	86.8	88.7	92.5	95.7	96.7	95.7	92.5	88.0	85.5	85.5	85.8
22.5°	81.0	82.9	86.8	89.0	90.3	89.3	86.1	82.0	79.4	79.4	79.7
25°	75.9	76.8	79.7	82.0	82.3	81.3	78.8	75.6	73.6	74.6	74.9
27.5°	71.1	71.1	72.4	73.6	73.3	72.4	71.4	68.8	68.5	69.5	70.4
30°	66.0	64.4	63.7	62.8	62.4	62.1	63.1	63.1	63.7	65.0	66.0
32.5°	61.5	58.3	55.4	52.5	50.9	52.2	54.8	57.0	59.2	61.2	62.1
35°	56.4	51.2	46.4	42.6	40.0	41.9	46.1	50.3	54.1	56.7	58.3
37.5°	51.2	43.9	38.1	33.3	31.4	33.0	37.5	43.2	49.0	52.2	54.4
40°	45.8	36.5	29.8	25.9	24.0	25.6	30.1	35.9	43.5	47.7	50.6
42.5°	40.3	30.1	24.0	20.2	19.2	20.2	23.7	29.5	37.8	42.9	46.7
45°	34.9	25.0	19.2	16.3	15.4	16.3	19.2	24.0	32.3	38.1	42.6
47.5°	30.1	21.1	16.0	13.4	12.8	13.8	16.0	20.2	27.2	33.0	38.1
50°	26.3	18.6	13.8	11.5	10.9	11.8	13.8	17.0	23.1	28.2	33.6
52.5°	23.7	17.3	12.2	9.9	9.6	10.2	11.8	14.4	19.5	24.0	29.1
55°	23.1	17.3	11.2	9.0	8.6	9.3	10.6	12.5	17.0	20.8	25.3
57.5°	23.7	18.6	10.6	7.7	7.4	8.0	9.3	10.9	14.7	17.9	22.1
60°	23.7	18.9	9.3	6.1	5.8	6.4	7.7	9.6	13.1	15.7	19.2
62.5°	21.5	17.3	7.7	4.8	4.2	4.8	6.4	8.0	11.5	14.1	17.0
65°	18.6	14.7	6.4	3.5	2.9	3.5	5.1	6.7	9.9	12.2	15.4
67.5°	15.0	11.2	4.8	2.6	1.9	2.6	3.8	5.4	8.3	10.6	13.8
70°	11.2	8.0	3.8	2.2	1.9	2.2	3.5	5.1	7.4	9.6	12.8
72.5°	8.3	5.4	3.2	2.2	1.6	2.2	3.2	4.8	7.0	9.3	12.2
75°	7.0	4.5	2.9	1.9	1.6	1.9	2.9	4.5	6.4	8.6	11.5
77.5°	6.7	4.2	2.6	1.6	1.3	1.6	2.6	3.8	5.8	8.0	11.2
80°	5.8	3.5	2.2	1.3	1.0	1.3	2.2	3.2	4.5	6.1	8.6
82.5°	4.5	2.9	1.6	0.6	0.3	0.6	1.6	1.9	2.9	3.5	5.1
85°	2.9	1.6	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.6	2.6
87.5°	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	135.1	135.4	136.1	137.0	139.3	141.2	143.1	145.7	147.0	147.0
5°	122.3	122.6	122.9	124.2	127.4	130.0	134.2	139.3	141.8	142.5
7.5°	112.4	113.0	113.7	114.6	117.8	121.3	126.8	136.4	141.2	142.2
10°	106.6	107.6	108.9	110.8	113.7	117.5	126.8	144.1	152.1	153.7
12.5°	102.1	103.7	105.0	107.3	110.8	116.9	135.4	165.9	179.9	183.8
15°	97.7	99.6	101.5	103.7	107.6	119.1	152.1	204.9	228.3	231.2
17.5°	93.2	95.4	98.0	100.5	105.3	124.5	178.3	259.0	291.7	298.1
20°	88.0	90.9	94.5	97.7	103.1	133.2	214.8	323.4	364.4	378.1
22.5°	82.6	86.1	90.3	94.5	100.5	143.8	259.0	392.5	449.9	458.8
25°	78.1	81.6	85.5	89.7	96.4	156.6	312.5	478.3	530.5	539.2
27.5°	74.0	77.5	81.0	84.8	92.2	173.2	376.9	569.6	624.0	633.0
30°	69.5	73.6	77.2	81.0	88.4	193.7	451.1	670.8	722.3	730.6
32.5°	65.6	69.8	73.3	77.2	85.5	216.1	529.3	760.4	802.4	802.4
35°	62.4	66.9	69.5	74.6	83.2	230.5	603.2	845.9	877.6	876.3
37.5°	58.9	64.4	66.3	69.8	80.4	232.1	672.7	936.2	959.6	951.3
40°	55.4	61.2	64.0	66.0	77.2	219.0	748.9	1019.1	1039.0	1028.1
42.5°	52.2	56.7	60.8	63.1	75.2	195.9	810.1	1107.8	1131.5	1121.9
45°	49.0	52.8	55.4	59.6	76.5	179.9	862.6	1211.2	1252.9	1245.8
47.5°	45.8	49.0	50.6	57.0	85.2	172.6	894.6	1371.3	1449.8	1444.0
50°	42.3	46.1	46.1	56.4	98.0	175.1	922.4	1603.1	1724.5	1722.6
52.5°	38.7	42.9	42.3	61.2	107.9	187.0	954.1	1807.7	2018.7	2036.3
55°	35.2	39.1	39.7	70.8	113.7	197.2	831.5	1893.9	2270.1	2331.9
57.5°	31.4	33.6	41.3	78.1	111.7	227.0	569.6	1909.6	2430.5	2563.0
60°	27.2	29.1	46.7	76.5	105.7	209.7	358.6	1768.7	2407.7	2575.8
62.5°	23.7	26.9	49.3	67.6	107.6	181.9	228.6	1507.4	2191.0	2382.8
65°	20.8	25.9	44.8	61.2	108.9	123.3	154.3	1226.3	1979.3	2161.9
67.5°	18.6	28.8	36.8	54.4	93.5	86.8	106.0	952.9	1664.3	1827.9
70°	17.0	29.5	30.1	46.7	72.4	55.7	69.8	641.3	1147.2	1334.2
72.5°	15.4	21.8	22.7	37.5	46.7	33.9	45.1	366.9	836.3	963.7
75°	14.7	14.7	15.7	24.3	25.9	24.7	29.1	219.0	599.7	692.9
77.5°	13.8	11.2	9.9	15.7	14.1	17.6	17.3	97.3	260.0	281.1
80°	10.9	8.0	6.7	9.9	9.6	11.8	10.2	8.0	11.8	11.5
82.5°	6.7	5.1	4.8	6.1	5.4	6.1	4.8	1.3	1.3	1.3
85°	3.2	2.9	2.6	2.6	2.9	2.6	1.9	0.6	0.3	0.3
87.5°	1.6	1.6	1.3	1.0	1.3	1.3	1.0	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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