

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: P628642

Luminaire Tested: GWS-SA1A-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628642
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-SA1A-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: 1300 lumens
Efficiency: N/A
Efficacy: 66.0 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

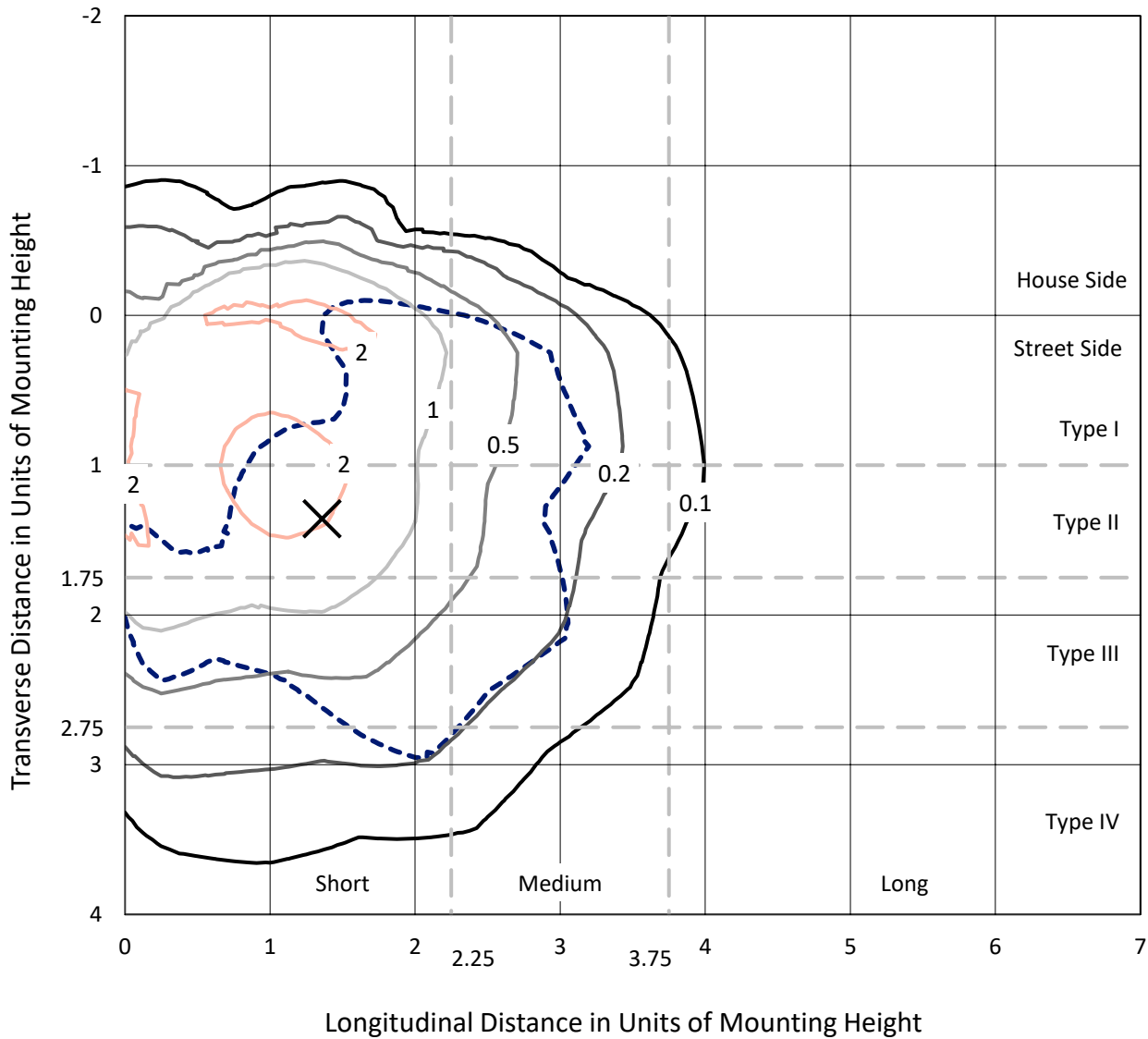
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

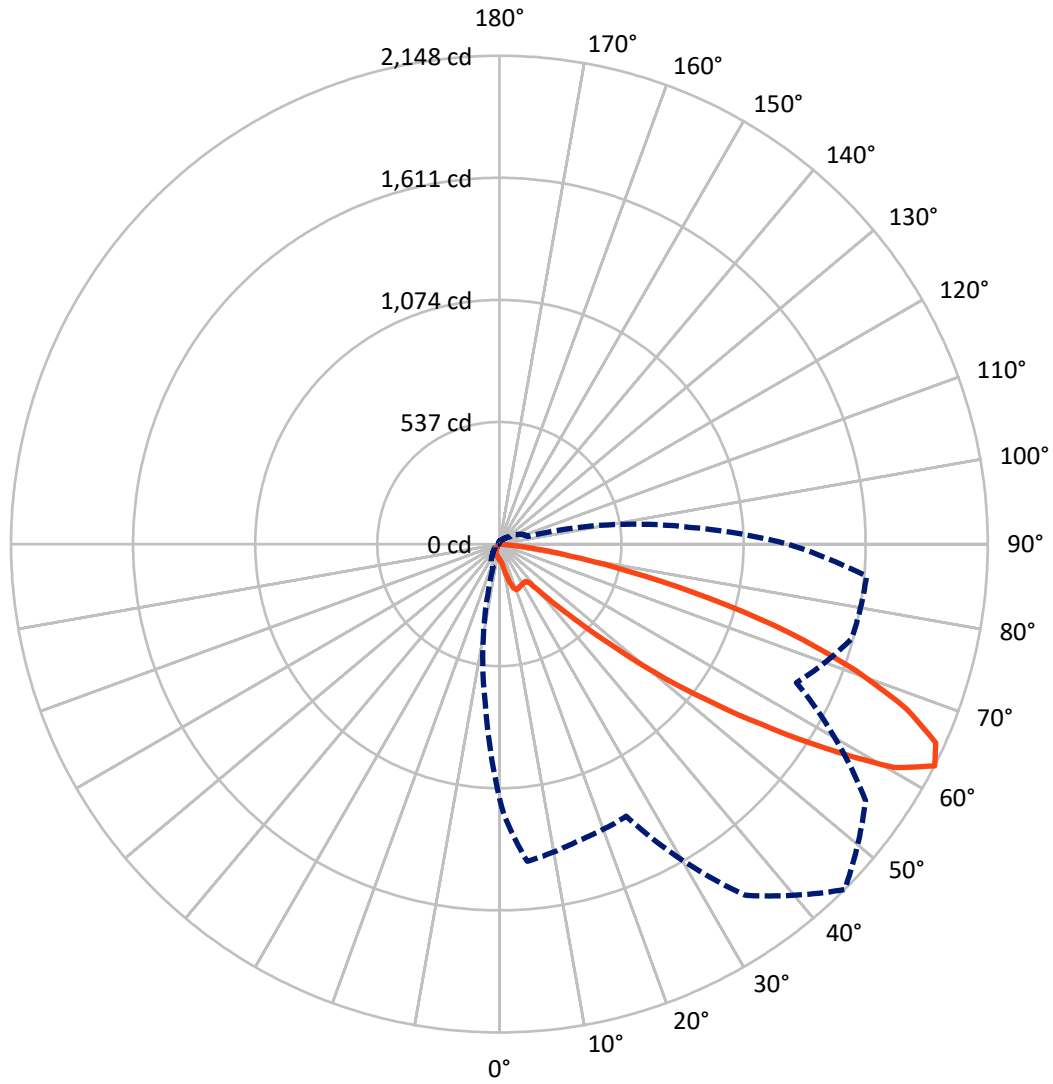
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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	160.4	0.0	160.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1139.6	0.0	1139.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	1300.0	0.0	1300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.5
10°-20°	22.7	1.7
20°-30°	49.3	3.8
30°-40°	80.9	6.2
40°-50°	148.7	11.4
50°-60°	319.3	24.6
60°-70°	428.8	33.0
70°-80°	223.3	17.2
80°-90°	21.2	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°	1300.0	100.0
0°-180°	1300.0	100.0

Coefficient of Utilization



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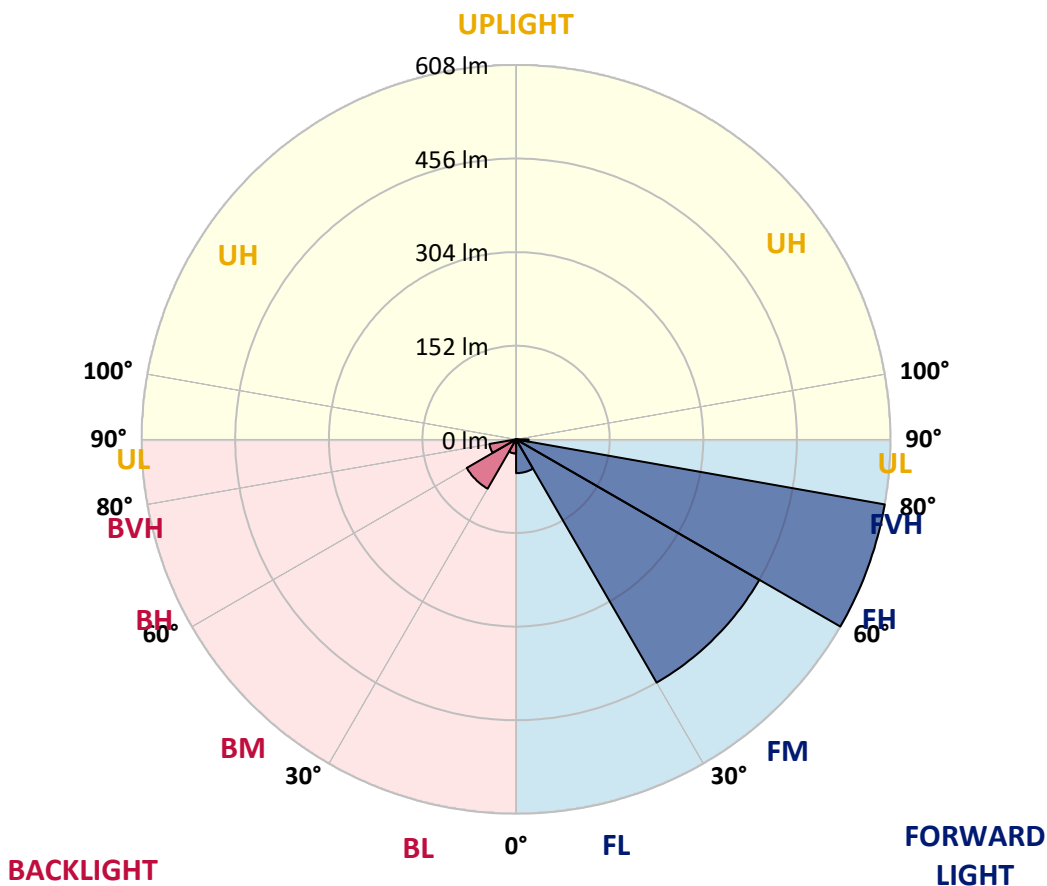
CATALOG NUMBER: GWS-SA1A-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.9	4.2			
FM (30°-60°)	456.3	35.1			
FH (60°-80°)	608.2	46.8			G0/660
FVH (80°-90°)	20.2	1.6			G1/100
BL (0°-30°)	23.0	1.8	B0/110		
BM (30°-60°)	92.5	7.1	B0/220		
BH (60°-80°)	44.0	3.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	68.9	69.2	69.5	70.6	71.3	71.9	72.1	71.6	70.6	69.5	68.0
5°	66.8	67.1	68.2	71.0	73.9	76.1	76.9	76.4	73.9	70.6	67.1
7.5°	66.7	67.3	69.8	75.8	82.0	86.6	87.8	86.8	82.0	75.4	68.3
10°	72.1	73.1	76.9	87.7	99.0	107.2	110.5	106.0	98.4	86.3	74.8
12.5°	86.2	88.0	95.2	111.0	128.4	139.4	143.9	138.3	126.3	108.9	90.5
15°	108.4	111.1	121.9	145.5	166.1	175.8	177.3	174.2	160.2	141.0	116.4
17.5°	139.8	143.7	160.5	184.5	199.4	202.9	202.4	199.1	188.9	175.7	152.4
20°	177.3	182.0	198.5	218.3	219.8	215.8	213.5	211.6	208.1	205.9	187.7
22.5°	215.2	220.9	238.2	243.1	229.6	217.9	212.3	213.8	218.9	230.0	222.7
25°	252.9	258.3	274.5	261.1	234.1	214.6	207.5	211.1	223.3	247.3	256.8
27.5°	296.9	300.9	310.5	273.4	234.9	211.9	205.0	210.5	225.4	258.1	294.2
30°	342.7	345.1	340.4	276.7	232.3	207.8	202.4	210.5	229.0	265.3	322.2
32.5°	376.3	376.8	361.6	277.0	230.9	204.5	200.0	209.6	232.5	271.3	349.4
35°	411.0	408.7	381.9	281.6	234.6	205.7	201.8	212.2	237.9	278.4	373.3
37.5°	446.1	442.1	404.5	288.9	243.9	218.8	216.4	225.2	246.6	288.2	399.6
40°	482.2	476.6	428.1	300.0	264.6	263.2	271.5	270.4	270.4	300.6	426.6
42.5°	526.2	519.7	462.9	331.4	312.9	343.1	365.6	351.7	325.9	329.3	461.7
45°	584.3	578.7	523.3	391.5	388.8	458.1	488.5	460.8	396.6	395.5	520.5
47.5°	677.2	676.2	619.6	461.1	481.6	604.6	663.1	610.0	477.2	465.7	631.6
50°	807.9	804.7	739.5	542.8	591.9	785.9	890.5	801.9	574.7	547.5	780.4
52.5°	955.0	958.3	907.6	632.0	709.2	987.8	1133.3	1021.7	680.5	651.6	967.6
55°	1093.6	1112.5	1099.2	736.4	823.8	1210.6	1400.0	1262.9	811.6	787.7	1177.6
57.5°	1202.0	1255.4	1349.1	888.1	958.5	1471.3	1697.7	1524.3	964.6	1008.9	1463.3
60°	1208.1	1278.6	1496.2	1205.3	1131.8	1694.9	1995.0	1779.7	1205.2	1384.5	1687.2
62.5°	1117.5	1193.2	1400.4	1349.5	1320.5	1885.1	2147.6	1965.9	1441.9	1604.5	1620.8
65°	1013.9	1090.3	1293.5	1186.0	1298.6	1877.0	2108.9	1970.3	1463.3	1454.9	1502.1
67.5°	857.3	925.9	1109.8	1049.8	1196.9	1786.5	1929.9	1846.1	1348.2	1360.8	1381.8
70°	625.7	691.8	862.5	865.5	1045.3	1623.2	1658.2	1646.7	1241.5	1254.9	1194.8
72.5°	452.0	507.7	655.0	709.8	834.4	1361.2	1337.0	1381.6	1065.2	1117.7	959.7
75°	325.0	366.7	480.5	617.5	661.5	1010.9	957.1	1070.1	854.7	962.4	721.5
77.5°	131.8	146.6	189.1	415.9	434.7	680.1	585.9	777.2	609.4	632.3	349.7
80°	5.4	6.0	7.8	214.7	298.1	382.6	313.5	415.5	402.4	254.7	82.6
82.5°	0.6	0.6	1.4	61.9	130.5	211.1	147.8	239.4	203.8	108.0	37.5
85°	0.2	0.2	0.3	7.1	30.6	33.8	20.0	73.4	94.8	44.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.5	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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	68.0	67.3	66.4	65.5	65.0	63.8	63.4	63.1	62.8	62.9	62.9
5°	65.8	64.1	62.2	60.2	59.2	58.0	57.4	57.1	57.2	57.8	57.8
7.5°	65.5	62.3	58.1	55.6	54.4	53.5	52.9	52.6	52.7	53.5	53.8
10°	70.4	64.9	57.4	53.0	51.7	50.8	50.2	49.7	49.4	50.0	50.2
12.5°	81.1	73.4	61.0	52.7	50.3	49.1	48.7	47.8	47.3	47.6	47.8
15°	103.2	89.9	68.2	53.9	49.1	47.8	47.0	46.2	45.5	45.3	45.5
17.5°	132.0	113.1	79.1	56.8	48.2	46.6	45.5	44.4	43.4	43.2	43.1
20°	167.7	141.5	94.5	61.3	47.5	45.5	44.0	42.5	41.1	40.7	40.7
22.5°	200.3	175.7	114.1	66.8	46.4	44.0	42.2	40.4	38.9	38.1	38.0
25°	240.1	212.0	137.7	73.3	44.9	42.0	40.1	38.3	36.8	35.9	35.6
27.5°	280.2	250.3	164.4	81.7	43.1	40.1	38.3	36.6	35.0	33.9	33.6
30°	319.1	291.6	194.5	92.2	41.7	38.1	36.6	35.0	33.5	31.8	31.4
32.5°	360.8	333.8	228.1	103.9	40.7	36.8	35.1	33.6	31.7	30.2	29.4
35°	401.1	377.4	265.2	115.3	39.6	35.6	33.8	32.3	30.2	28.5	27.5
37.5°	441.6	421.7	303.9	122.2	38.1	33.9	32.3	31.1	28.7	26.7	25.5
40°	484.6	467.5	345.8	119.4	36.8	32.1	31.2	29.9	27.2	24.9	23.4
42.5°	531.7	511.2	388.5	108.4	35.6	30.6	29.7	28.4	25.8	23.1	21.2
45°	591.0	559.1	423.5	91.9	36.2	29.1	27.3	27.0	24.6	21.2	18.8
47.5°	693.0	632.6	450.6	81.2	40.2	27.5	25.4	26.1	23.6	19.2	16.5
50°	849.0	754.6	476.0	80.5	46.4	26.7	23.6	25.5	22.5	17.3	14.6
52.5°	997.7	878.4	492.2	87.1	51.8	28.7	21.8	24.8	21.8	15.9	13.2
55°	1139.9	949.9	463.2	91.9	56.9	34.5	20.4	23.6	20.9	15.2	12.8
57.5°	1293.2	981.8	364.7	101.7	60.5	39.5	20.7	21.8	19.7	14.7	12.6
60°	1339.0	941.1	220.1	114.4	58.6	41.0	23.0	19.4	18.0	13.8	12.2
62.5°	1267.8	844.5	129.9	104.2	56.9	38.7	26.3	17.9	16.4	12.6	11.3
65°	1161.4	713.4	84.7	88.0	60.4	34.5	27.9	17.1	14.9	11.4	9.9
67.5°	1039.7	574.7	59.3	52.0	55.7	31.1	23.6	17.0	13.4	9.6	8.1
70°	875.7	430.4	41.7	34.4	46.4	27.6	18.3	16.5	11.7	7.8	6.3
72.5°	676.6	269.4	31.1	22.2	33.0	22.5	14.6	14.0	9.5	6.5	4.8
75°	499.0	153.6	21.9	16.1	21.8	17.1	10.8	9.9	8.1	6.2	4.4
77.5°	260.5	76.9	13.7	12.3	12.5	10.7	7.8	7.2	7.5	6.2	4.1
80°	50.0	15.3	8.3	9.0	6.8	6.8	5.7	6.0	6.6	5.0	3.5
82.5°	20.9	3.3	4.5	5.1	4.2	4.7	4.7	4.8	4.7	3.6	2.6
85°	0.0	0.0	2.0	2.1	2.9	2.9	2.4	2.4	2.4	2.1	1.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.1	1.2	0.9	0.6
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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	62.8	62.5	62.9	63.2	63.5	63.5	63.2	62.9	62.5	62.9	62.5
5°	58.0	58.4	59.2	59.5	59.8	59.2	58.9	58.0	57.2	57.4	57.1
7.5°	54.2	54.7	55.6	56.2	56.2	55.9	55.0	54.1	52.9	52.9	52.7
10°	50.8	51.4	52.4	53.2	53.5	53.2	52.3	51.1	50.0	50.0	49.6
12.5°	47.9	48.7	49.9	50.9	51.2	50.9	50.0	48.8	47.6	47.6	47.3
15°	45.5	46.4	47.8	49.0	49.4	49.0	47.9	46.4	45.2	45.3	44.9
17.5°	43.2	44.0	45.8	47.2	47.6	47.2	45.8	43.8	42.6	42.9	42.6
20°	40.7	41.6	43.4	44.9	45.3	44.9	43.4	41.3	40.1	40.1	40.2
22.5°	38.0	38.9	40.7	41.7	42.3	41.9	40.4	38.4	37.2	37.2	37.4
25°	35.6	36.0	37.4	38.4	38.6	38.1	36.9	35.4	34.5	35.0	35.1
27.5°	33.3	33.3	33.9	34.5	34.4	33.9	33.5	32.3	32.1	32.6	33.0
30°	30.9	30.2	29.9	29.4	29.3	29.1	29.6	29.6	29.9	30.5	30.9
32.5°	28.8	27.3	26.0	24.6	23.9	24.5	25.7	26.7	27.8	28.7	29.1
35°	26.4	24.0	21.8	20.0	18.8	19.7	21.6	23.6	25.4	26.6	27.3
37.5°	24.0	20.6	17.9	15.6	14.7	15.5	17.6	20.3	23.0	24.5	25.5
40°	21.5	17.1	14.0	12.2	11.3	12.0	14.1	16.8	20.4	22.4	23.7
42.5°	18.9	14.1	11.3	9.5	9.0	9.5	11.1	13.8	17.7	20.1	21.9
45°	16.4	11.7	9.0	7.7	7.2	7.7	9.0	11.3	15.2	17.9	20.0
47.5°	14.1	9.9	7.5	6.3	6.0	6.5	7.5	9.5	12.8	15.5	17.9
50°	12.3	8.7	6.5	5.4	5.1	5.6	6.5	8.0	10.8	13.2	15.8
52.5°	11.1	8.1	5.7	4.7	4.5	4.8	5.6	6.8	9.2	11.3	13.7
55°	10.8	8.1	5.3	4.2	4.1	4.4	5.0	5.9	8.0	9.8	11.9
57.5°	11.1	8.7	5.0	3.6	3.5	3.8	4.4	5.1	6.9	8.4	10.4
60°	11.1	8.9	4.4	2.9	2.7	3.0	3.6	4.5	6.2	7.4	9.0
62.5°	10.1	8.1	3.6	2.3	2.0	2.3	3.0	3.8	5.4	6.6	8.0
65°	8.7	6.9	3.0	1.7	1.4	1.7	2.4	3.2	4.7	5.7	7.2
67.5°	7.1	5.3	2.3	1.2	0.9	1.2	1.8	2.6	3.9	5.0	6.5
70°	5.3	3.8	1.8	1.1	0.9	1.1	1.7	2.4	3.5	4.5	6.0
72.5°	3.9	2.6	1.5	1.1	0.8	1.1	1.5	2.3	3.3	4.4	5.7
75°	3.3	2.1	1.4	0.9	0.8	0.9	1.4	2.1	3.0	4.1	5.4
77.5°	3.2	2.0	1.2	0.8	0.6	0.8	1.2	1.8	2.7	3.8	5.3
80°	2.7	1.7	1.1	0.6	0.5	0.6	1.1	1.5	2.1	2.9	4.1
82.5°	2.1	1.4	0.8	0.3	0.2	0.3	0.8	0.9	1.4	1.7	2.4
85°	1.4	0.8	0.3	0.0	0.0	0.0	0.3	0.6	0.6	0.8	1.2
87.5°	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5
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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	63.4	63.5	63.8	64.3	65.3	66.2	67.1	68.3	68.9	68.9
5°	57.4	57.5	57.7	58.3	59.8	61.0	62.9	65.3	66.5	66.8
7.5°	52.7	53.0	53.3	53.8	55.3	56.9	59.5	64.0	66.2	66.7
10°	50.0	50.5	51.1	52.0	53.3	55.1	59.5	67.6	71.3	72.1
12.5°	47.9	48.7	49.3	50.3	52.0	54.8	63.5	77.8	84.4	86.2
15°	45.8	46.7	47.6	48.7	50.5	55.9	71.3	96.1	107.1	108.4
17.5°	43.7	44.7	45.9	47.2	49.4	58.4	83.6	121.5	136.8	139.8
20°	41.3	42.6	44.3	45.8	48.4	62.5	100.8	151.7	170.9	177.3
22.5°	38.7	40.4	42.3	44.3	47.2	67.4	121.5	184.1	211.0	215.2
25°	36.6	38.3	40.1	42.0	45.2	73.4	146.6	224.3	248.8	252.9
27.5°	34.7	36.3	38.0	39.8	43.2	81.2	176.7	267.1	292.7	296.9
30°	32.6	34.5	36.2	38.0	41.4	90.8	211.6	314.6	338.8	342.7
32.5°	30.8	32.7	34.4	36.2	40.1	101.4	248.2	356.6	376.3	376.3
35°	29.3	31.4	32.6	35.0	39.0	108.1	282.9	396.7	411.6	411.0
37.5°	27.6	30.2	31.1	32.7	37.7	108.9	315.5	439.1	450.0	446.1
40°	26.0	28.7	30.0	30.9	36.2	102.7	351.2	478.0	487.3	482.2
42.5°	24.5	26.6	28.5	29.6	35.3	91.9	379.9	519.6	530.7	526.2
45°	23.0	24.8	26.0	27.9	35.9	84.4	404.5	568.1	587.6	584.3
47.5°	21.5	23.0	23.7	26.7	39.9	80.9	419.6	643.1	679.9	677.2
50°	19.8	21.6	21.6	26.4	45.9	82.1	432.6	751.9	808.8	807.9
52.5°	18.2	20.1	19.8	28.7	50.6	87.7	447.5	847.8	946.8	955.0
55°	16.5	18.3	18.6	33.2	53.3	92.5	390.0	888.2	1064.6	1093.6
57.5°	14.7	15.8	19.4	36.6	52.4	106.5	267.1	895.6	1139.9	1202.0
60°	12.8	13.7	21.9	35.9	49.6	98.4	168.2	829.5	1129.2	1208.1
62.5°	11.1	12.6	23.1	31.7	50.5	85.3	107.2	707.0	1027.6	1117.5
65°	9.8	12.2	21.0	28.7	51.1	57.8	72.4	575.1	928.3	1013.9
67.5°	8.7	13.5	17.3	25.5	43.8	40.7	49.7	446.9	780.5	857.3
70°	8.0	13.8	14.1	21.9	33.9	26.1	32.7	300.8	538.0	625.7
72.5°	7.2	10.2	10.7	17.6	21.9	15.9	21.2	172.1	392.2	452.0
75°	6.9	6.9	7.4	11.4	12.2	11.6	13.7	102.7	281.3	325.0
77.5°	6.5	5.3	4.7	7.4	6.6	8.3	8.1	45.6	121.9	131.8
80°	5.1	3.8	3.2	4.7	4.5	5.6	4.8	3.8	5.6	5.4
82.5°	3.2	2.4	2.3	2.9	2.6	2.9	2.3	0.6	0.6	0.6
85°	1.5	1.4	1.2	1.2	1.4	1.2	0.9	0.3	0.2	0.2
87.5°	0.8	0.8	0.6	0.5	0.6	0.6	0.5	0.2	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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