

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: P629137

Luminaire Tested: GWS-SA1B-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629137
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-SA1B-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: 1638.4 lumens
Efficiency: N/A
Efficacy: 65.5 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

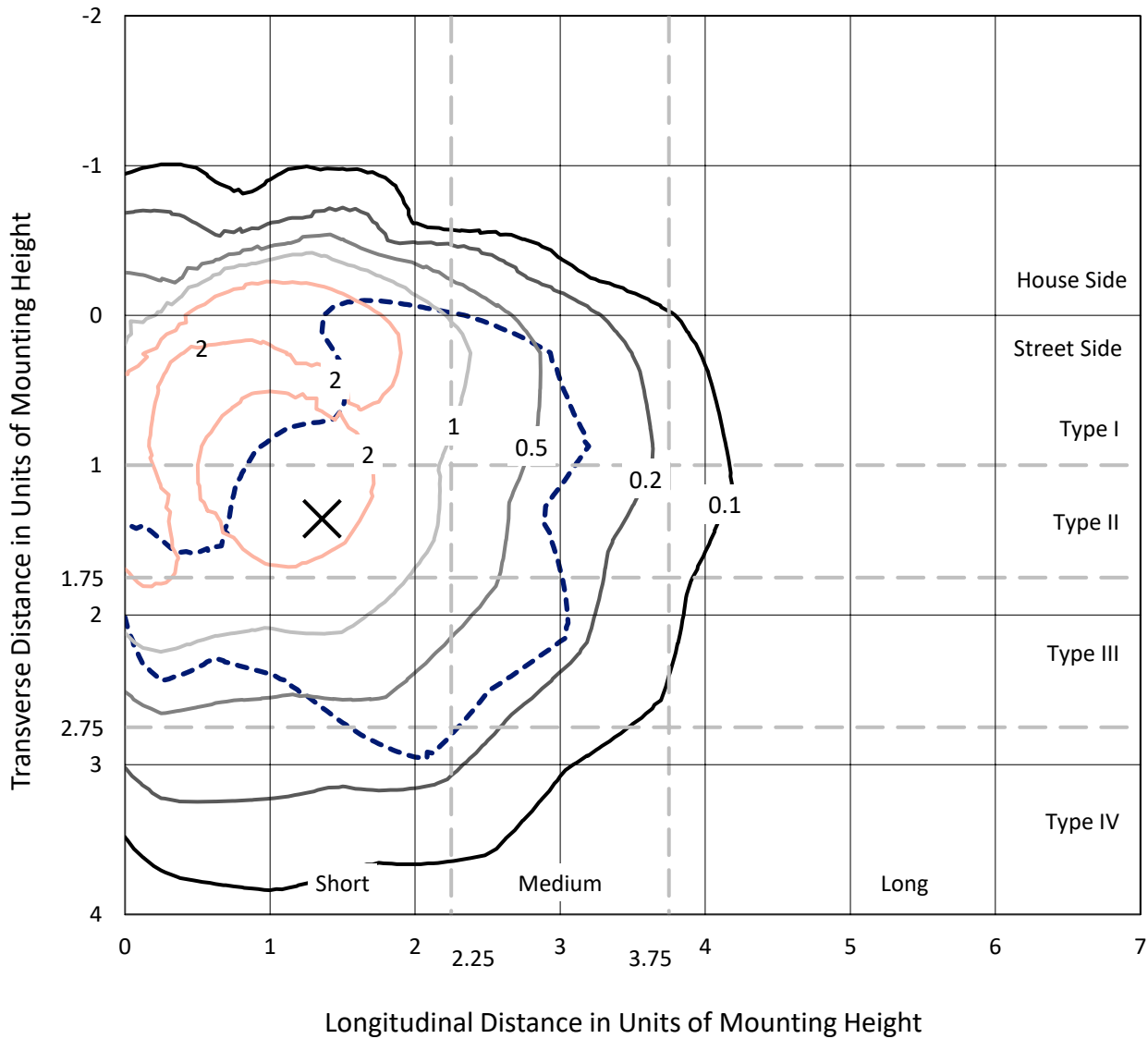
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

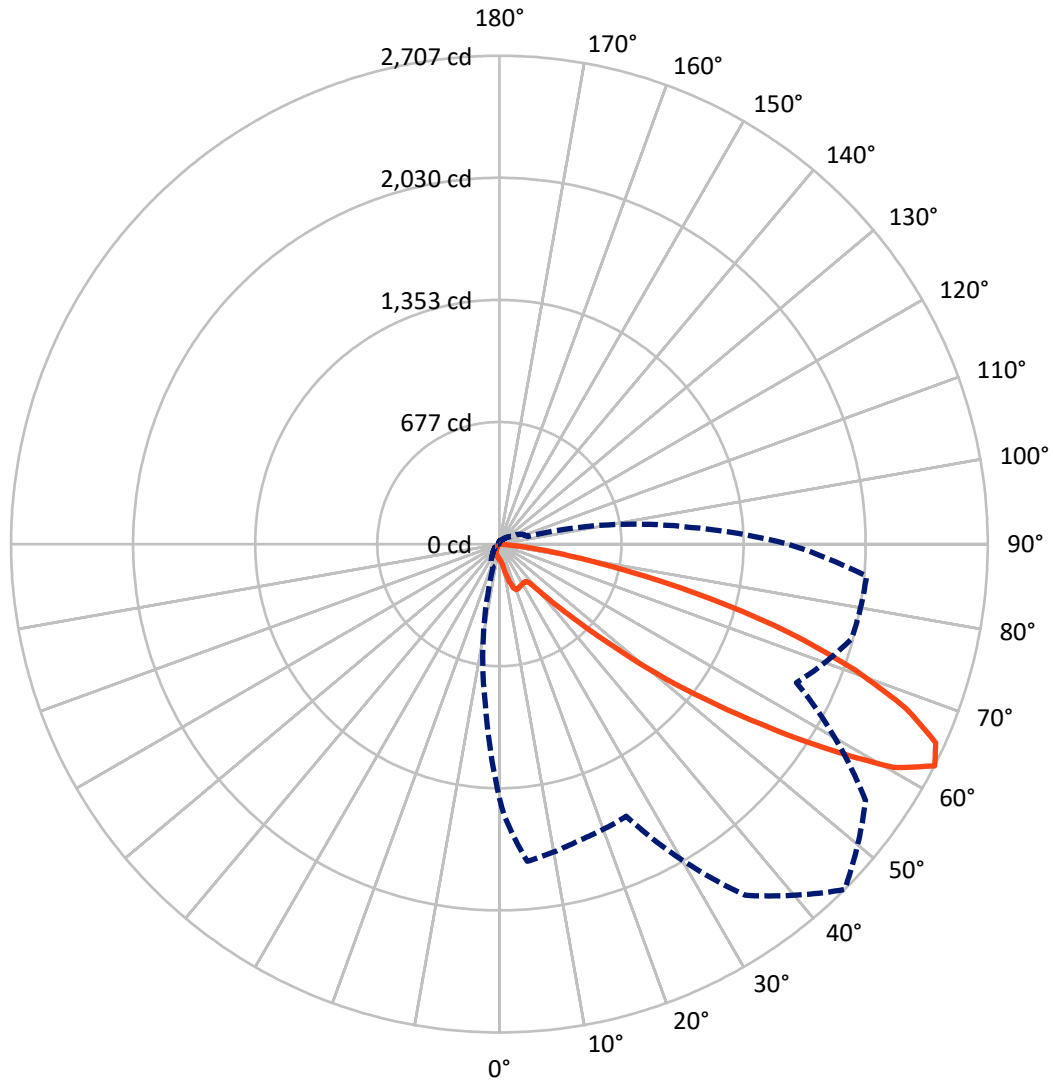
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 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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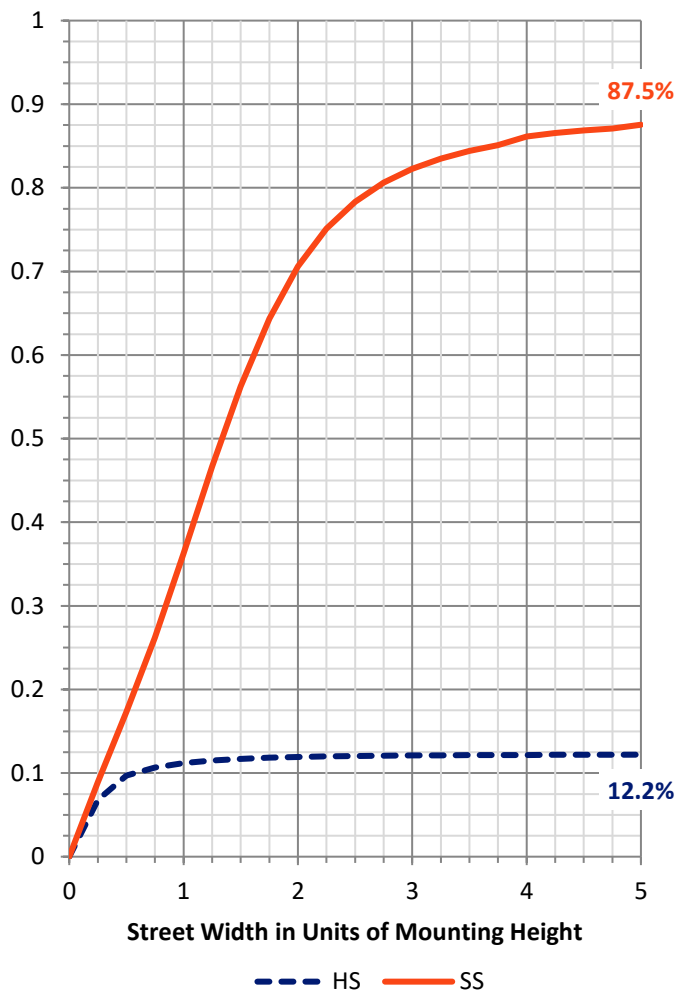
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.2	0.0	202.2
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1436.2	0.0	1436.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	1638.4	0.0	1638.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.5
10°-20°	28.6	1.7
20°-30°	62.1	3.8
30°-40°	101.9	6.2
40°-50°	187.4	11.4
50°-60°	402.4	24.6
60°-70°	540.4	33.0
70°-80°	281.4	17.2
80°-90°	26.7	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°	1638.4	100.0
0°-180°	1638.4	100.0

Coefficient of Utilization



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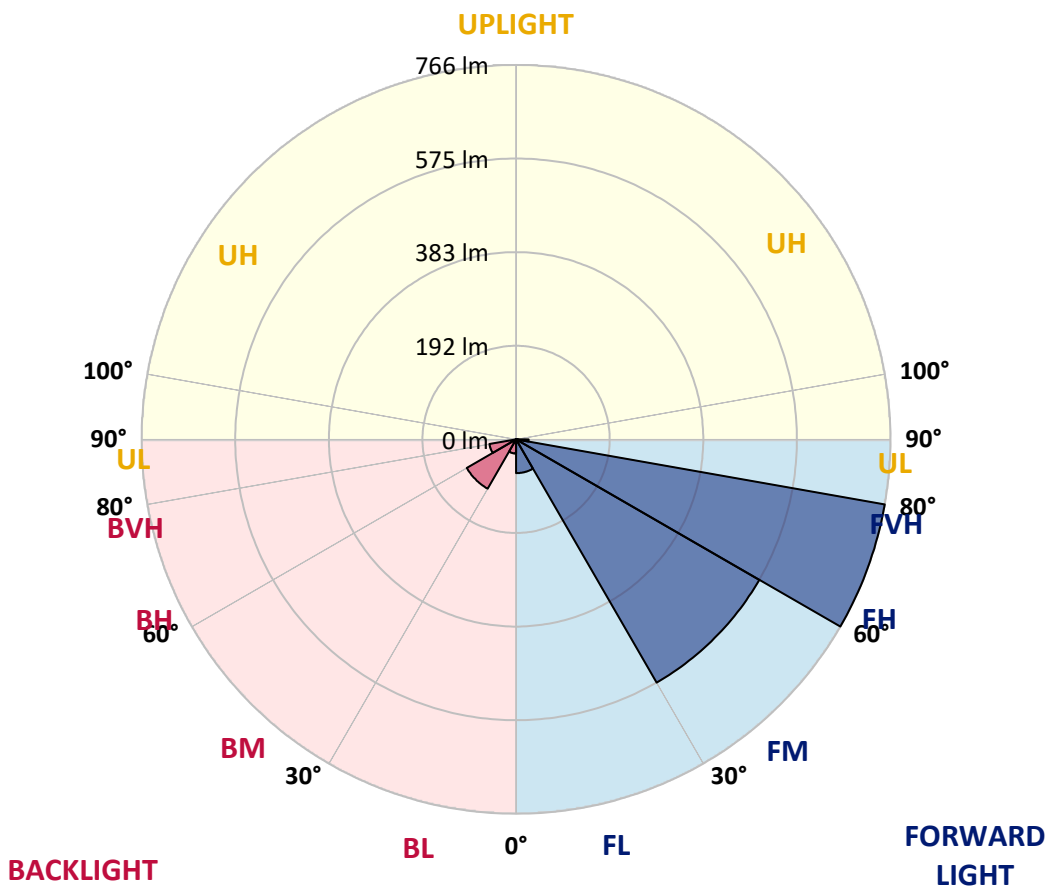
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.2	4.2			
FM (30°-60°)	575.1	35.1			
FH (60°-80°)	766.5	46.8			G1/1800
FVH (80°-90°)	25.5	1.6			G1/100
BL (0°-30°)	29.0	1.8	B0/110		
BM (30°-60°)	116.6	7.1	B0/220		
BH (60°-80°)	55.4	3.4	B0/110		G0/110
BVH (80°-90°)	1.2	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°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	86.9	87.2	87.6	88.9	89.9	90.7	90.8	90.3	88.9	87.6	85.7
5°	84.2	84.6	85.9	89.5	93.1	95.9	96.9	96.3	93.1	88.9	84.6
7.5°	84.0	84.8	88.0	95.6	103.3	109.2	110.7	109.4	103.3	95.0	86.1
10°	90.8	92.2	96.9	110.5	124.7	135.1	139.3	133.6	124.0	108.8	94.2
12.5°	108.6	110.9	120.0	139.9	161.8	175.6	181.3	174.3	159.2	137.2	114.1
15°	136.6	140.0	153.7	183.4	209.3	221.6	223.5	219.5	201.9	177.7	146.7
17.5°	176.2	181.1	202.3	232.6	251.3	255.7	255.1	250.9	238.1	221.4	192.1
20°	223.5	229.4	250.2	275.2	277.1	272.0	269.1	266.7	262.3	259.5	236.6
22.5°	271.2	278.4	300.2	306.4	289.4	274.6	267.6	269.5	275.9	289.9	280.7
25°	318.7	325.5	345.9	329.1	295.0	270.4	261.5	266.1	281.4	311.7	323.6
27.5°	374.1	379.3	391.4	344.6	296.0	267.0	258.3	265.3	284.1	325.3	370.7
30°	431.9	434.9	429.0	348.8	292.8	261.9	255.1	265.3	288.6	334.4	406.1
32.5°	474.3	474.8	455.7	349.2	291.1	257.8	252.1	264.2	293.0	342.0	440.4
35°	518.0	515.1	481.3	354.8	295.6	259.3	254.4	267.4	299.8	350.9	470.5
37.5°	562.3	557.2	509.8	364.1	307.3	275.7	272.7	283.9	310.7	363.2	503.6
40°	607.7	600.7	539.6	378.1	333.5	331.8	342.2	340.8	340.8	378.9	537.7
42.5°	663.1	655.0	583.5	417.7	394.4	432.4	460.8	443.2	410.7	415.0	581.9
45°	736.4	729.4	659.5	493.4	490.0	577.4	615.6	580.8	499.8	498.5	655.9
47.5°	853.5	852.2	780.8	581.2	606.9	761.9	835.7	768.7	601.4	586.9	796.0
50°	1018.2	1014.2	932.1	684.1	746.0	990.5	1122.3	1010.6	724.3	690.0	983.5
52.5°	1203.6	1207.8	1143.8	796.6	893.8	1244.9	1428.3	1287.7	857.7	821.2	1219.5
55°	1378.3	1402.2	1385.3	928.1	1038.2	1525.7	1764.4	1591.6	1022.9	992.8	1484.1
57.5°	1514.9	1582.1	1700.2	1119.2	1208.0	1854.3	2139.7	1921.1	1215.7	1271.6	1844.2
60°	1522.5	1611.5	1885.7	1519.1	1426.4	2136.1	2514.4	2243.0	1518.9	1744.9	2126.4
62.5°	1408.4	1503.8	1764.9	1700.8	1664.3	2375.8	2706.7	2477.7	1817.2	2022.1	2042.8
65°	1277.8	1374.1	1630.2	1494.7	1636.6	2365.6	2657.8	2483.1	1844.2	1833.6	1893.1
67.5°	1080.4	1166.9	1398.7	1323.0	1508.5	2251.5	2432.2	2326.6	1699.1	1715.0	1741.5
70°	788.6	871.9	1087.1	1090.8	1317.4	2045.8	2089.9	2075.3	1564.7	1581.6	1505.9
72.5°	569.6	639.9	825.5	894.6	1051.7	1715.6	1685.1	1741.3	1342.5	1408.6	1209.5
75°	409.5	462.1	605.6	778.2	833.6	1274.0	1206.3	1348.6	1077.2	1212.9	909.3
77.5°	166.2	184.7	238.3	524.2	547.9	857.1	738.5	979.6	768.0	796.9	440.8
80°	6.8	7.6	9.8	270.6	375.7	482.2	395.2	523.7	507.2	321.0	104.1
82.5°	0.8	0.8	1.7	78.0	164.5	266.1	186.2	301.7	256.8	136.1	47.3
85°	0.2	0.2	0.4	8.9	38.6	42.6	25.2	92.5	119.4	55.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.9	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°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	85.7	84.8	83.6	82.5	81.9	80.4	79.9	79.5	79.1	79.3	79.3
5°	82.9	80.8	78.3	75.9	74.6	73.1	72.3	71.9	72.1	72.9	72.9
7.5°	82.5	78.5	73.2	70.0	68.5	67.4	66.6	66.2	66.4	67.4	67.8
10°	88.8	81.8	72.3	66.8	65.1	64.0	63.2	62.6	62.3	63.0	63.2
12.5°	102.2	92.5	76.8	66.4	63.4	61.9	61.3	60.2	59.6	60.0	60.2
15°	130.0	113.4	85.9	67.9	61.9	60.2	59.2	58.3	57.3	57.2	57.3
17.5°	166.4	142.5	99.7	71.5	60.7	58.7	57.3	56.0	54.7	54.5	54.3
20°	211.4	178.3	119.0	77.2	59.8	57.3	55.5	53.6	51.9	51.3	51.3
22.5°	252.5	221.4	143.8	84.2	58.5	55.5	53.2	50.9	49.0	48.1	47.9
25°	302.6	267.2	173.5	92.4	56.6	53.0	50.5	48.3	46.4	45.2	44.9
27.5°	353.1	315.5	207.2	103.0	54.3	50.5	48.3	46.2	44.1	42.8	42.4
30°	402.2	367.5	245.1	116.2	52.6	48.1	46.2	44.1	42.2	40.1	39.6
32.5°	454.8	420.7	287.5	131.0	51.3	46.4	44.3	42.4	39.9	38.0	37.1
35°	505.5	475.6	334.2	145.3	50.0	44.9	42.6	40.7	38.0	36.0	34.6
37.5°	556.6	531.4	383.0	154.0	48.1	42.8	40.7	39.2	36.1	33.7	32.2
40°	610.7	589.1	435.8	150.5	46.4	40.5	39.4	37.7	34.3	31.4	29.5
42.5°	670.1	644.2	489.6	136.6	44.9	38.6	37.5	35.8	32.6	29.1	26.7
45°	744.9	704.6	533.7	115.8	45.6	36.7	34.4	34.1	31.0	26.7	23.7
47.5°	873.4	797.3	567.9	102.4	50.7	34.6	32.0	32.9	29.7	24.2	20.8
50°	1070.0	951.0	599.9	101.4	58.5	33.7	29.7	32.2	28.4	21.8	18.4
52.5°	1257.4	1107.1	620.4	109.8	65.3	36.1	27.4	31.2	27.4	20.1	16.7
55°	1436.6	1197.2	583.8	115.8	71.7	43.5	25.7	29.7	26.3	19.1	16.1
57.5°	1629.8	1237.3	459.7	128.1	76.3	49.8	26.1	27.4	24.8	18.5	15.9
60°	1687.5	1186.0	277.4	144.2	73.8	51.7	29.0	24.4	22.7	17.4	15.3
62.5°	1597.8	1064.3	163.7	131.3	71.7	48.8	33.1	22.5	20.6	15.9	14.2
65°	1463.7	899.1	106.7	110.9	76.1	43.5	35.2	21.6	18.7	14.4	12.5
67.5°	1310.4	724.3	74.8	65.5	70.2	39.2	29.7	21.4	16.8	12.1	10.2
70°	1103.7	542.4	52.6	43.3	58.5	34.8	23.1	20.8	14.8	9.8	7.9
72.5°	852.8	339.5	39.2	28.0	41.6	28.4	18.4	17.6	11.9	8.1	6.1
75°	628.9	193.6	27.6	20.2	27.4	21.6	13.6	12.5	10.2	7.8	5.5
77.5°	328.3	96.9	17.2	15.5	15.7	13.4	9.8	9.1	9.5	7.8	5.1
80°	63.0	19.3	10.4	11.4	8.5	8.5	7.2	7.6	8.3	6.2	4.4
82.5°	26.3	4.2	5.7	6.4	5.3	5.9	5.9	6.1	5.9	4.5	3.2
85°	0.0	0.0	2.5	2.6	3.6	3.6	3.0	3.0	3.0	2.6	1.9
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	1.1	1.3	1.5	1.1	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	79.1	78.7	79.3	79.7	80.1	80.1	79.7	79.3	78.7	79.3	78.7
5°	73.1	73.6	74.6	74.9	75.3	74.6	74.2	73.1	72.1	72.3	71.9
7.5°	68.3	68.9	70.0	70.8	70.8	70.4	69.3	68.1	66.6	66.6	66.4
10°	64.0	64.7	66.0	67.0	67.4	67.0	65.9	64.3	63.0	63.0	62.5
12.5°	60.4	61.3	62.8	64.2	64.5	64.2	63.0	61.5	60.0	60.0	59.6
15°	57.3	58.5	60.2	61.7	62.3	61.7	60.4	58.5	57.0	57.2	56.6
17.5°	54.5	55.5	57.7	59.4	60.0	59.4	57.7	55.3	53.7	54.1	53.7
20°	51.3	52.4	54.7	56.6	57.2	56.6	54.7	52.0	50.5	50.5	50.7
22.5°	47.9	49.0	51.3	52.6	53.4	52.8	50.9	48.4	46.9	46.9	47.1
25°	44.9	45.4	47.1	48.4	48.6	48.1	46.6	44.7	43.5	44.1	44.3
27.5°	42.0	42.0	42.8	43.5	43.3	42.8	42.2	40.7	40.5	41.1	41.6
30°	39.0	38.0	37.7	37.1	36.9	36.7	37.3	37.3	37.7	38.4	39.0
32.5°	36.3	34.4	32.7	31.0	30.1	30.8	32.4	33.7	35.0	36.1	36.7
35°	33.3	30.3	27.4	25.2	23.7	24.8	27.3	29.7	32.0	33.5	34.4
37.5°	30.3	25.9	22.5	19.7	18.5	19.5	22.1	25.5	29.0	30.8	32.2
40°	27.1	21.6	17.6	15.3	14.2	15.1	17.8	21.2	25.7	28.2	29.9
42.5°	23.8	17.8	14.2	11.9	11.4	11.9	14.0	17.4	22.3	25.4	27.6
45°	20.6	14.8	11.4	9.7	9.1	9.7	11.4	14.2	19.1	22.5	25.2
47.5°	17.8	12.5	9.5	7.9	7.6	8.1	9.5	11.9	16.1	19.5	22.5
50°	15.5	11.0	8.1	6.8	6.4	7.0	8.1	10.0	13.6	16.7	19.9
52.5°	14.0	10.2	7.2	5.9	5.7	6.1	7.0	8.5	11.5	14.2	17.2
55°	13.6	10.2	6.6	5.3	5.1	5.5	6.2	7.4	10.0	12.3	15.0
57.5°	14.0	11.0	6.2	4.5	4.4	4.7	5.5	6.4	8.7	10.6	13.1
60°	14.0	11.2	5.5	3.6	3.4	3.8	4.5	5.7	7.8	9.3	11.4
62.5°	12.7	10.2	4.5	2.8	2.5	2.8	3.8	4.7	6.8	8.3	10.0
65°	11.0	8.7	3.8	2.1	1.7	2.1	3.0	4.0	5.9	7.2	9.1
67.5°	8.9	6.6	2.8	1.5	1.1	1.5	2.3	3.2	4.9	6.2	8.1
70°	6.6	4.7	2.3	1.3	1.1	1.3	2.1	3.0	4.4	5.7	7.6
72.5°	4.9	3.2	1.9	1.3	0.9	1.3	1.9	2.8	4.2	5.5	7.2
75°	4.2	2.6	1.7	1.1	0.9	1.1	1.7	2.6	3.8	5.1	6.8
77.5°	4.0	2.5	1.5	0.9	0.8	0.9	1.5	2.3	3.4	4.7	6.6
80°	3.4	2.1	1.3	0.8	0.6	0.8	1.3	1.9	2.6	3.6	5.1
82.5°	2.6	1.7	0.9	0.4	0.2	0.4	0.9	1.1	1.7	2.1	3.0
85°	1.7	0.9	0.4	0.0	0.0	0.0	0.4	0.8	0.8	0.9	1.5
87.5°	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	79.9	80.1	80.4	81.0	82.3	83.5	84.6	86.1	86.9	86.9
5°	72.3	72.5	72.7	73.4	75.3	76.8	79.3	82.3	83.8	84.2
7.5°	66.4	66.8	67.2	67.8	69.6	71.7	74.9	80.6	83.5	84.0
10°	63.0	63.6	64.3	65.5	67.2	69.5	74.9	85.2	89.9	90.8
12.5°	60.4	61.3	62.1	63.4	65.5	69.1	80.1	98.0	106.4	108.6
15°	57.7	58.9	60.0	61.3	63.6	70.4	89.9	121.1	134.9	136.6
17.5°	55.1	56.4	57.9	59.4	62.3	73.6	105.4	153.1	172.4	176.2
20°	52.0	53.7	55.8	57.7	60.9	78.7	127.0	191.1	215.4	223.5
22.5°	48.8	50.9	53.4	55.8	59.4	85.0	153.1	232.0	265.9	271.2
25°	46.2	48.3	50.5	53.0	57.0	92.5	184.7	282.7	313.6	318.7
27.5°	43.7	45.8	47.9	50.2	54.5	102.4	222.7	336.7	368.8	374.1
30°	41.1	43.5	45.6	47.9	52.2	114.5	266.7	396.5	426.9	431.9
32.5°	38.8	41.3	43.3	45.6	50.5	127.7	312.8	449.5	474.3	474.3
35°	36.9	39.6	41.1	44.1	49.2	136.3	356.5	500.0	518.7	518.0
37.5°	34.8	38.0	39.2	41.3	47.5	137.2	397.6	553.4	567.2	562.3
40°	32.7	36.1	37.9	39.0	45.6	129.4	442.7	602.4	614.1	607.7
42.5°	30.8	33.5	36.0	37.3	44.5	115.8	478.8	654.8	668.8	663.1
45°	29.0	31.2	32.7	35.2	45.2	106.4	509.8	715.9	740.5	736.4
47.5°	27.1	29.0	29.9	33.7	50.3	102.0	528.8	810.6	856.9	853.5
50°	25.0	27.3	27.3	33.3	57.9	103.5	545.2	947.6	1019.3	1018.2
52.5°	22.9	25.4	25.0	36.1	63.8	110.5	564.0	1068.5	1193.2	1203.6
55°	20.8	23.1	23.5	41.8	67.2	116.6	491.5	1119.4	1341.8	1378.3
57.5°	18.5	19.9	24.4	46.2	66.0	134.2	336.7	1128.7	1436.6	1514.9
60°	16.1	17.2	27.6	45.2	62.5	124.0	212.0	1045.4	1423.2	1522.5
62.5°	14.0	15.9	29.1	39.9	63.6	107.5	135.1	891.0	1295.0	1408.4
65°	12.3	15.3	26.5	36.1	64.3	72.9	91.2	724.8	1169.9	1277.8
67.5°	11.0	17.0	21.8	32.2	55.3	51.3	62.6	563.2	983.7	1080.4
70°	10.0	17.4	17.8	27.6	42.8	32.9	41.3	379.1	678.1	788.6
72.5°	9.1	12.9	13.4	22.1	27.6	20.1	26.7	216.9	494.3	569.6
75°	8.7	8.7	9.3	14.4	15.3	14.6	17.2	129.4	354.5	409.5
77.5°	8.1	6.6	5.9	9.3	8.3	10.4	10.2	57.5	153.7	166.2
80°	6.4	4.7	4.0	5.9	5.7	7.0	6.1	4.7	7.0	6.8
82.5°	4.0	3.0	2.8	3.6	3.2	3.6	2.8	0.8	0.8	0.8
85°	1.9	1.7	1.5	1.5	1.7	1.5	1.1	0.4	0.2	0.2
87.5°	0.9	0.9	0.8	0.6	0.8	0.8	0.6	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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