

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: P630235

Luminaire Tested: GWS-SA1D-730-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630235
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3426.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

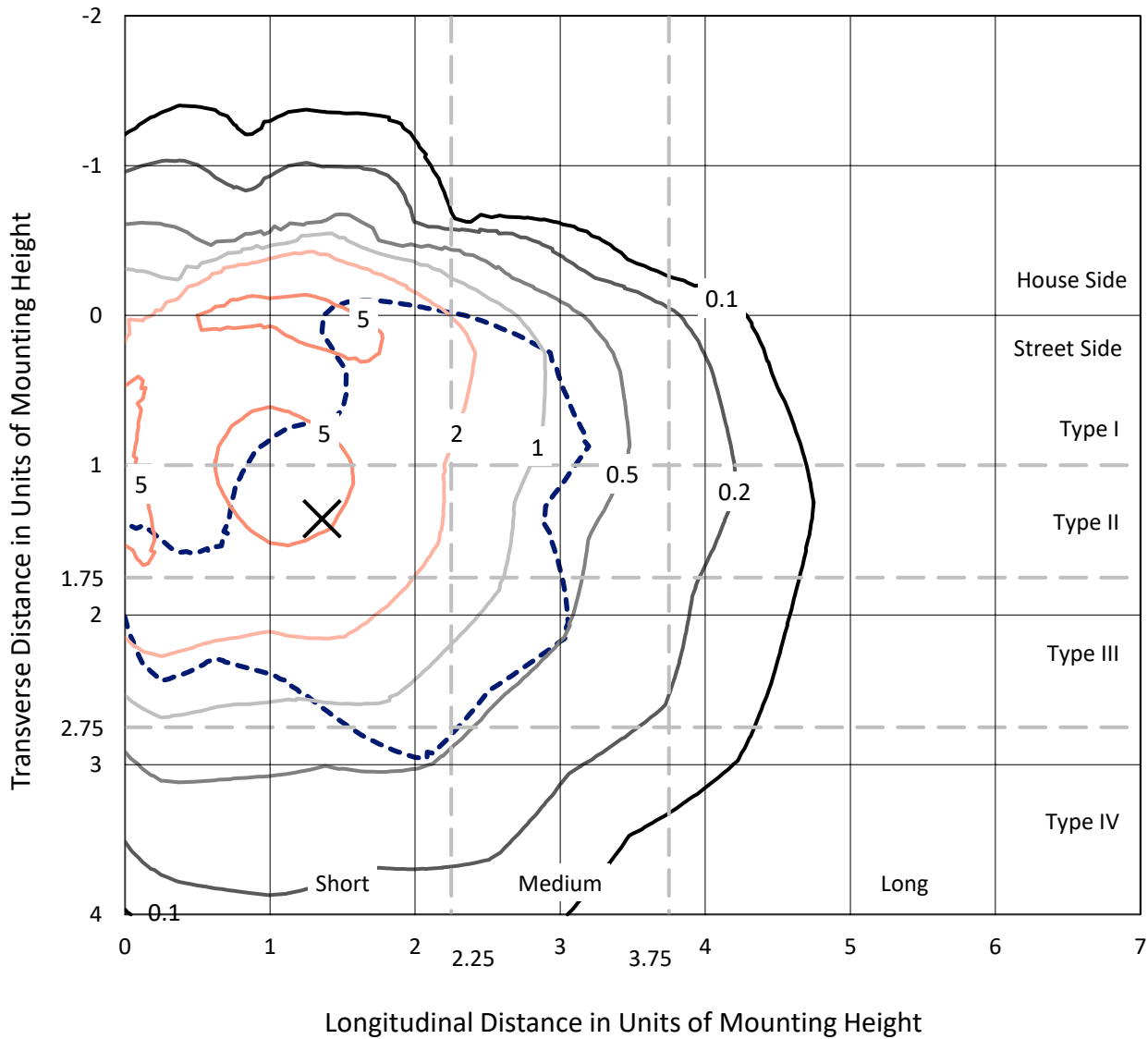
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

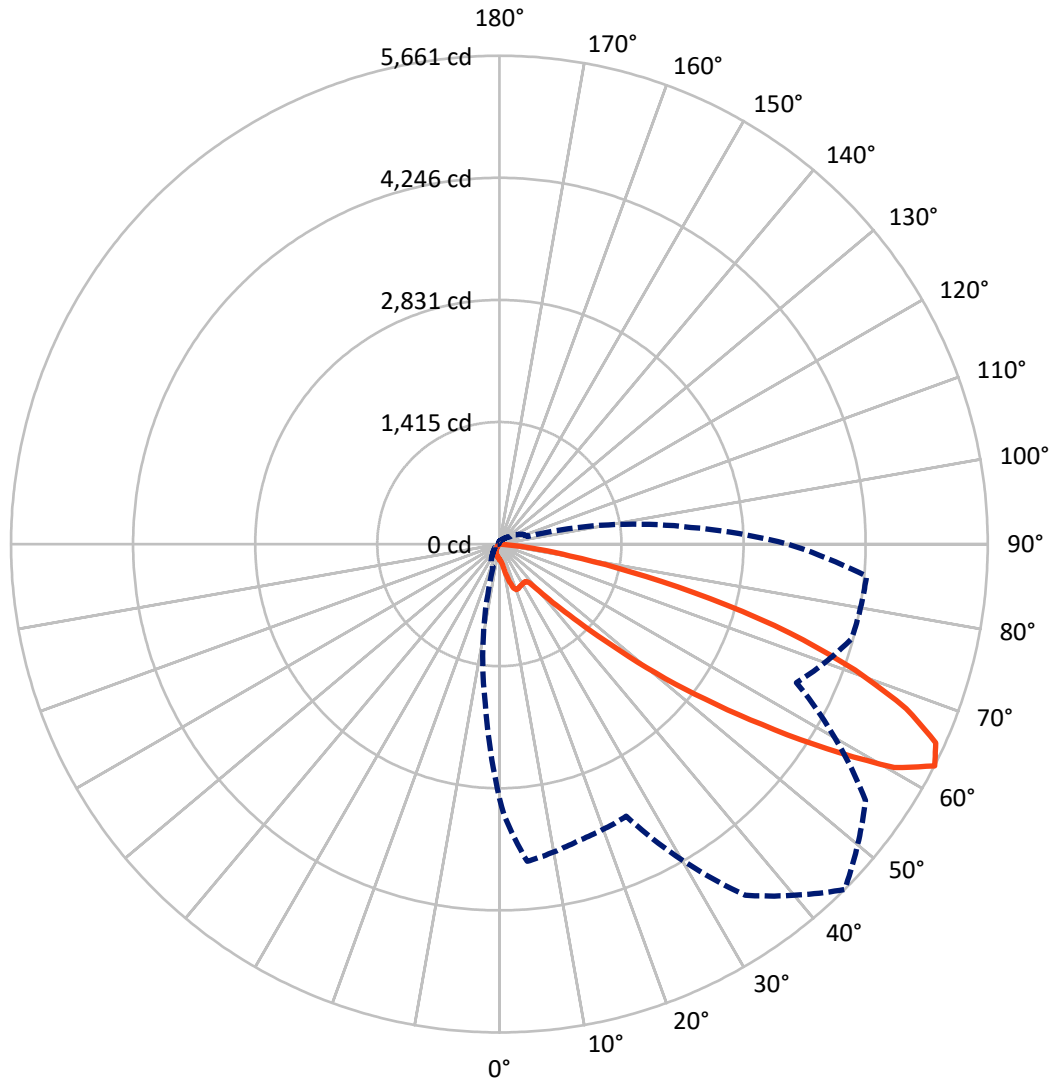
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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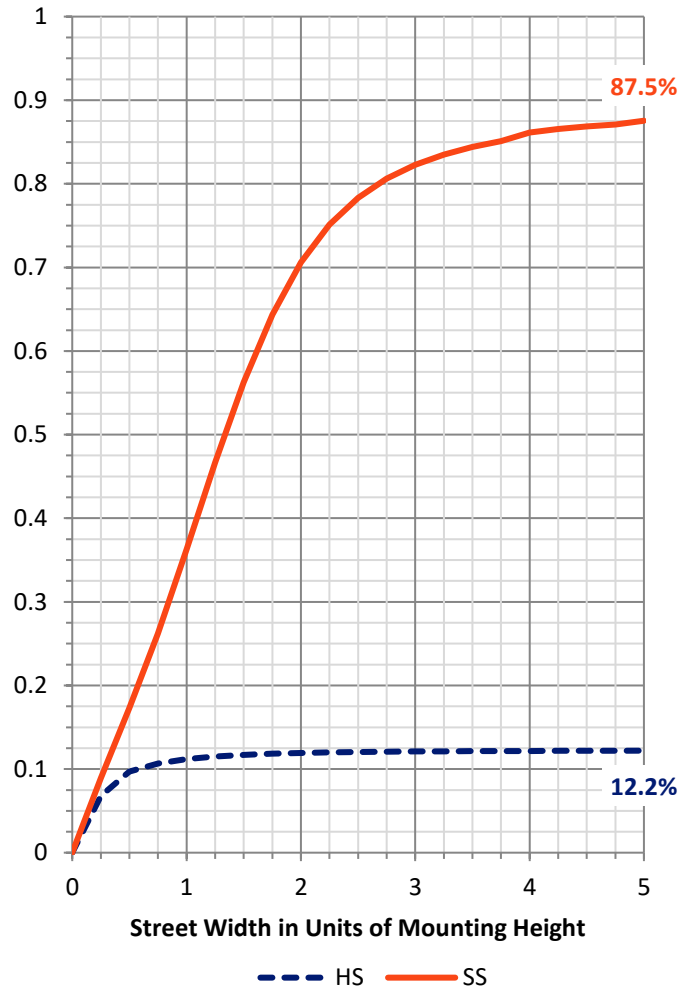
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	422.9	0.0	422.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3003.9	0.0	3003.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	3426.8	0.0	3426.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.5
10°-20°	59.7	1.7
20°-30°	129.9	3.8
30°-40°	213.2	6.2
40°-50°	391.9	11.4
50°-60°	841.6	24.6
60°-70°	1130.4	33.0
70°-80°	588.6	17.2
80°-90°	55.8	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°	3426.8	100.0
0°-180°	3426.8	100.0

Coefficient of Utilization



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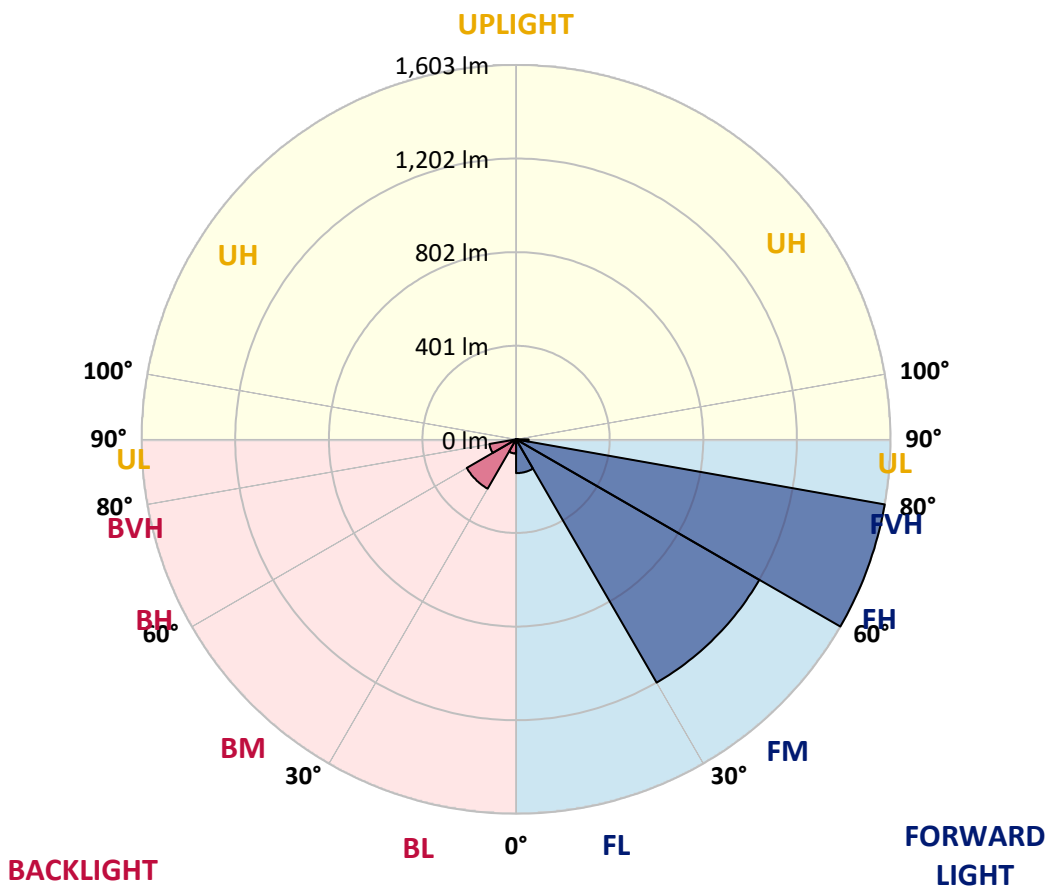
CATALOG NUMBER: GWS-SA1D-730-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.8	4.2			
FM (30°-60°)	1202.8	35.1			
FH (60°-80°)	1603.1	46.8			G1/1800
FVH (80°-90°)	53.3	1.6			G1/100
BL (0°-30°)	60.7	1.8	B0/110		
BM (30°-60°)	243.8	7.1	B1/1000		
BH (60°-80°)	115.9	3.4	B1/500		G1/500
BVH (80°-90°)	2.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	181.7	182.5	183.3	186.0	188.0	189.6	190.0	188.8	186.0	183.3	179.3
5°	176.1	176.9	179.7	187.2	194.7	200.7	202.7	201.5	194.7	186.0	176.9
7.5°	175.7	177.3	184.1	199.9	216.1	228.4	231.6	228.8	216.1	198.7	180.1
10°	190.0	192.8	202.7	231.2	260.8	282.6	291.3	279.5	259.3	227.6	197.1
12.5°	227.2	232.0	251.0	292.5	338.4	367.3	379.2	364.6	332.9	287.0	238.7
15°	285.8	292.9	321.4	383.6	437.8	463.5	467.5	459.2	422.3	371.7	306.8
17.5°	368.5	378.8	423.1	486.5	525.7	534.8	533.6	524.9	497.9	463.1	401.8
20°	467.5	479.7	523.3	575.5	579.5	568.8	562.9	557.7	548.6	542.7	494.8
22.5°	567.2	582.3	627.8	640.8	605.2	574.3	559.7	563.7	577.1	606.4	587.0
25°	666.6	680.8	723.6	688.3	617.1	565.6	547.0	556.5	588.6	651.9	676.9
27.5°	782.5	793.2	818.6	720.8	619.1	558.5	540.3	554.9	594.1	680.4	775.4
30°	903.3	909.6	897.3	729.5	612.3	547.8	533.6	554.9	603.6	699.4	849.4
32.5°	991.9	993.1	953.1	730.3	608.8	539.1	527.2	552.6	612.7	715.3	921.1
35°	1083.4	1077.4	1006.6	742.2	618.3	542.3	532.0	559.3	627.0	733.9	984.0
37.5°	1176.0	1165.3	1066.4	761.6	642.8	576.7	570.4	593.7	649.9	759.6	1053.3
40°	1271.0	1256.4	1128.5	790.9	697.4	693.9	715.7	712.9	712.9	792.4	1124.5
42.5°	1387.0	1370.0	1220.3	873.6	824.9	904.5	963.8	927.0	858.9	868.0	1217.2
45°	1540.2	1525.5	1379.5	1031.9	1024.8	1207.7	1287.6	1214.8	1045.4	1042.6	1371.9
47.5°	1785.2	1782.4	1633.2	1215.6	1269.4	1593.6	1748.0	1607.8	1257.9	1227.5	1664.8
50°	2129.5	2121.2	1949.4	1430.9	1560.3	2071.8	2347.3	2113.7	1514.8	1443.2	2057.1
52.5°	2517.5	2526.2	2392.4	1666.0	1869.5	2603.7	2987.3	2693.2	1793.9	1717.5	2550.7
55°	2882.8	2932.7	2897.4	1941.1	2171.5	3191.2	3690.3	3328.9	2139.4	2076.5	3104.1
57.5°	3168.6	3309.1	3556.1	2340.9	2526.6	3878.3	4475.2	4018.0	2542.8	2659.6	3857.3
60°	3184.4	3370.5	3944.0	3177.3	2983.3	4467.7	5258.9	4691.3	3176.9	3649.5	4447.5
62.5°	2945.7	3145.2	3691.5	3557.3	3480.9	4969.2	5661.1	5182.2	3800.7	4229.4	4272.5
65°	2672.6	2874.1	3409.6	3126.2	3423.1	4947.8	5559.0	5193.6	3857.3	3835.2	3959.5
67.5°	2259.8	2440.7	2925.6	2767.2	3155.1	4709.1	5087.2	4866.3	3553.7	3587.0	3642.4
70°	1649.4	1823.6	2273.6	2281.5	2755.3	4278.9	4371.1	4340.6	3272.7	3307.9	3149.6
72.5°	1191.4	1338.3	1726.6	1871.1	2199.6	3588.2	3524.4	3642.0	2808.0	2946.1	2529.7
75°	856.6	966.6	1266.6	1627.6	1743.6	2664.7	2523.0	2820.7	2253.0	2536.9	1901.9
77.5°	347.5	386.3	498.3	1096.4	1145.9	1792.7	1544.5	2048.8	1606.3	1666.8	921.9
80°	14.2	15.8	20.6	566.0	785.7	1008.6	826.5	1095.3	1060.8	671.3	217.7
82.5°	1.6	1.6	3.6	163.1	344.0	556.5	389.5	630.9	537.1	284.6	99.0
85°	0.4	0.4	0.8	18.6	80.7	89.1	52.6	193.6	249.8	116.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.6	4.0	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°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	179.3	177.3	175.0	172.6	171.4	168.2	167.0	166.2	165.5	165.9	165.9
5°	173.4	169.0	163.9	158.7	156.0	152.8	151.2	150.4	150.8	152.4	152.4
7.5°	172.6	164.3	153.2	146.5	143.3	140.9	139.3	138.5	138.9	140.9	141.7
10°	185.6	171.0	151.2	139.7	136.2	133.8	132.2	131.0	130.2	131.8	132.2
12.5°	213.7	193.6	160.7	138.9	132.6	129.4	128.2	125.9	124.7	125.5	125.9
15°	271.9	237.1	179.7	142.1	129.4	125.9	123.9	121.9	119.9	119.5	119.9
17.5°	347.9	298.1	208.6	149.6	127.1	122.7	119.9	117.2	114.4	114.0	113.6
20°	442.1	372.9	249.0	161.5	125.1	119.9	116.0	112.0	108.5	107.3	107.3
22.5°	528.0	463.1	300.8	176.1	122.3	116.0	111.2	106.5	102.5	100.5	100.1
25°	632.9	558.9	363.0	193.2	118.4	110.8	105.7	100.9	97.0	94.6	93.8
27.5°	738.6	659.8	433.4	215.3	113.6	105.7	100.9	96.6	92.2	89.5	88.7
30°	841.1	768.7	512.6	243.0	110.0	100.5	96.6	92.2	88.3	83.9	82.7
32.5°	951.2	879.9	601.3	273.9	107.3	97.0	92.6	88.7	83.5	79.6	77.6
35°	1057.3	994.7	699.0	304.0	104.5	93.8	89.1	85.1	79.6	75.2	72.4
37.5°	1164.1	1111.5	801.2	322.2	100.5	89.5	85.1	81.9	75.6	70.5	67.3
40°	1277.3	1232.2	911.6	314.7	97.0	84.7	82.3	78.8	71.6	65.7	61.7
42.5°	1401.6	1347.4	1024.0	285.8	93.8	80.7	78.4	74.8	68.1	61.0	55.8
45°	1558.0	1473.7	1116.2	242.2	95.4	76.8	72.0	71.2	64.9	55.8	49.5
47.5°	1826.7	1667.6	1187.9	214.1	106.1	72.4	66.9	68.9	62.1	50.7	43.5
50°	2238.0	1989.0	1254.8	212.2	122.3	70.5	62.1	67.3	59.4	45.5	38.4
52.5°	2629.9	2315.6	1297.5	229.6	136.6	75.6	57.4	65.3	57.4	42.0	34.8
55°	3004.7	2504.0	1221.1	242.2	150.0	91.0	53.8	62.1	55.0	40.0	33.6
57.5°	3408.9	2587.9	961.5	268.0	159.5	104.1	54.6	57.4	51.9	38.8	33.2
60°	3529.6	2480.6	580.3	301.6	154.4	108.1	60.6	51.1	47.5	36.4	32.1
62.5°	3342.0	2226.1	342.4	274.7	150.0	102.1	69.3	47.1	43.1	33.2	29.7
65°	3061.3	1880.6	223.2	232.0	159.1	91.0	73.6	45.1	39.2	30.1	26.1
67.5°	2740.7	1514.8	156.4	137.0	146.9	81.9	62.1	44.7	35.2	25.3	21.4
70°	2308.5	1134.4	110.0	90.6	122.3	72.8	48.3	43.5	30.9	20.6	16.6
72.5°	1783.6	710.1	81.9	58.6	87.1	59.4	38.4	36.8	24.9	17.0	12.7
75°	1315.3	404.9	57.8	42.4	57.4	45.1	28.5	26.1	21.4	16.2	11.5
77.5°	686.8	202.7	36.0	32.5	32.9	28.1	20.6	19.0	19.8	16.2	10.7
80°	131.8	40.4	21.8	23.7	17.8	17.8	15.0	15.8	17.4	13.1	9.1
82.5°	55.0	8.7	11.9	13.5	11.1	12.3	12.3	12.7	12.3	9.5	6.7
85°	0.0	0.0	5.1	5.5	7.5	7.5	6.3	6.3	6.3	5.5	4.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.4	2.8	3.2	2.4	1.6
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°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	165.5	164.7	165.9	166.6	167.4	167.4	166.6	165.9	164.7	165.9	164.7
5°	152.8	154.0	156.0	156.7	157.5	156.0	155.2	152.8	150.8	151.2	150.4
7.5°	142.9	144.1	146.5	148.0	148.0	147.2	144.9	142.5	139.3	139.3	138.9
10°	133.8	135.4	138.1	140.1	140.9	140.1	137.7	134.6	131.8	131.8	130.6
12.5°	126.3	128.2	131.4	134.2	135.0	134.2	131.8	128.6	125.5	125.5	124.7
15°	119.9	122.3	125.9	129.0	130.2	129.0	126.3	122.3	119.1	119.5	118.4
17.5°	114.0	116.0	120.7	124.3	125.5	124.3	120.7	115.6	112.4	113.2	112.4
20°	107.3	109.6	114.4	118.4	119.5	118.4	114.4	108.9	105.7	105.7	106.1
22.5°	100.1	102.5	107.3	110.0	111.6	110.4	106.5	101.3	98.2	98.2	98.6
25°	93.8	95.0	98.6	101.3	101.7	100.5	97.4	93.4	91.0	92.2	92.6
27.5°	87.9	87.9	89.5	91.0	90.6	89.5	88.3	85.1	84.7	85.9	87.1
30°	81.5	79.6	78.8	77.6	77.2	76.8	78.0	78.0	78.8	80.4	81.5
32.5°	76.0	72.0	68.5	64.9	62.9	64.5	67.7	70.5	73.2	75.6	76.8
35°	69.7	63.3	57.4	52.6	49.5	51.9	57.0	62.1	66.9	70.1	72.0
37.5°	63.3	54.2	47.1	41.2	38.8	40.8	46.3	53.4	60.6	64.5	67.3
40°	56.6	45.1	36.8	32.1	29.7	31.7	37.2	44.3	53.8	59.0	62.5
42.5°	49.9	37.2	29.7	24.9	23.7	24.9	29.3	36.4	46.7	53.0	57.8
45°	43.1	30.9	23.7	20.2	19.0	20.2	23.7	29.7	40.0	47.1	52.6
47.5°	37.2	26.1	19.8	16.6	15.8	17.0	19.8	24.9	33.6	40.8	47.1
50°	32.5	23.0	17.0	14.2	13.5	14.6	17.0	21.0	28.5	34.8	41.6
52.5°	29.3	21.4	15.0	12.3	11.9	12.7	14.6	17.8	24.1	29.7	36.0
55°	28.5	21.4	13.9	11.1	10.7	11.5	13.1	15.4	21.0	25.7	31.3
57.5°	29.3	23.0	13.1	9.5	9.1	9.9	11.5	13.5	18.2	22.2	27.3
60°	29.3	23.4	11.5	7.5	7.1	7.9	9.5	11.9	16.2	19.4	23.7
62.5°	26.5	21.4	9.5	5.9	5.1	5.9	7.9	9.9	14.2	17.4	21.0
65°	23.0	18.2	7.9	4.4	3.6	4.4	6.3	8.3	12.3	15.0	19.0
67.5°	18.6	13.9	5.9	3.2	2.4	3.2	4.7	6.7	10.3	13.1	17.0
70°	13.9	9.9	4.7	2.8	2.4	2.8	4.4	6.3	9.1	11.9	15.8
72.5°	10.3	6.7	4.0	2.8	2.0	2.8	4.0	5.9	8.7	11.5	15.0
75°	8.7	5.5	3.6	2.4	2.0	2.4	3.6	5.5	7.9	10.7	14.2
77.5°	8.3	5.1	3.2	2.0	1.6	2.0	3.2	4.7	7.1	9.9	13.9
80°	7.1	4.4	2.8	1.6	1.2	1.6	2.8	4.0	5.5	7.5	10.7
82.5°	5.5	3.6	2.0	0.8	0.4	0.8	2.0	2.4	3.6	4.4	6.3
85°	3.6	2.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.0	3.2
87.5°	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2
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°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	167.0	167.4	168.2	169.4	172.2	174.6	176.9	180.1	181.7	181.7
5°	151.2	151.6	152.0	153.6	157.5	160.7	165.9	172.2	175.4	176.1
7.5°	138.9	139.7	140.5	141.7	145.7	150.0	156.7	168.6	174.6	175.7
10°	131.8	133.0	134.6	137.0	140.5	145.3	156.7	178.1	188.0	190.0
12.5°	126.3	128.2	129.8	132.6	137.0	144.5	167.4	205.0	222.5	227.2
15°	120.7	123.1	125.5	128.2	133.0	147.2	188.0	253.3	282.2	285.8
17.5°	115.2	118.0	121.1	124.3	130.2	154.0	220.5	320.2	360.6	368.5
20°	108.9	112.4	116.8	120.7	127.5	164.7	265.6	399.8	450.5	467.5
22.5°	102.1	106.5	111.6	116.8	124.3	177.7	320.2	485.3	556.1	567.2
25°	96.6	100.9	105.7	110.8	119.1	193.6	386.3	591.4	655.9	666.6
27.5°	91.4	95.8	100.1	104.9	114.0	214.1	465.9	704.2	771.5	782.5
30°	85.9	91.0	95.4	100.1	109.2	239.5	557.7	829.3	893.0	903.3
32.5°	81.1	86.3	90.6	95.4	105.7	267.2	654.3	940.1	991.9	991.9
35°	77.2	82.7	85.9	92.2	102.9	285.0	745.7	1045.8	1085.0	1083.4
37.5°	72.8	79.6	81.9	86.3	99.4	287.0	831.6	1157.4	1186.3	1176.0
40°	68.5	75.6	79.2	81.5	95.4	270.7	925.8	1259.9	1284.5	1271.0
42.5°	64.5	70.1	75.2	78.0	93.0	242.2	1001.4	1369.6	1398.9	1387.0
45°	60.6	65.3	68.5	73.6	94.6	222.5	1066.4	1497.4	1548.9	1540.2
47.5°	56.6	60.6	62.5	70.5	105.3	213.4	1105.9	1695.3	1792.3	1785.2
50°	52.2	57.0	57.0	69.7	121.1	216.5	1140.4	1981.9	2131.9	2129.5
52.5°	47.9	53.0	52.2	75.6	133.4	231.2	1179.6	2234.8	2495.7	2517.5
55°	43.5	48.3	49.1	87.5	140.5	243.8	1028.0	2341.3	2806.4	2882.8
57.5°	38.8	41.6	51.1	96.6	138.1	280.6	704.2	2360.7	3004.7	3168.6
60°	33.6	36.0	57.8	94.6	130.6	259.3	443.3	2186.5	2976.6	3184.4
62.5°	29.3	33.2	61.0	83.5	133.0	224.8	282.6	1863.6	2708.6	2945.7
65°	25.7	32.1	55.4	75.6	134.6	152.4	190.8	1516.0	2447.0	2672.6
67.5°	23.0	35.6	45.5	67.3	115.6	107.3	131.0	1178.0	2057.5	2259.8
70°	21.0	36.4	37.2	57.8	89.5	68.9	86.3	792.8	1418.2	1649.4
72.5°	19.0	26.9	28.1	46.3	57.8	42.0	55.8	453.6	1033.9	1191.4
75°	18.2	18.2	19.4	30.1	32.1	30.5	36.0	270.7	741.4	856.6
77.5°	17.0	13.9	12.3	19.4	17.4	21.8	21.4	120.3	321.4	347.5
80°	13.5	9.9	8.3	12.3	11.9	14.6	12.7	9.9	14.6	14.2
82.5°	8.3	6.3	5.9	7.5	6.7	7.5	5.9	1.6	1.6	1.6
85°	4.0	3.6	3.2	3.2	3.6	3.2	2.4	0.8	0.4	0.4
87.5°	2.0	2.0	1.6	1.2	1.6	1.6	1.2	0.4	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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