

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: P630455

Luminaire Tested: GWS-SA1D-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630455
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3796.6 lumens
Efficiency: N/A
Efficacy: 85.7 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

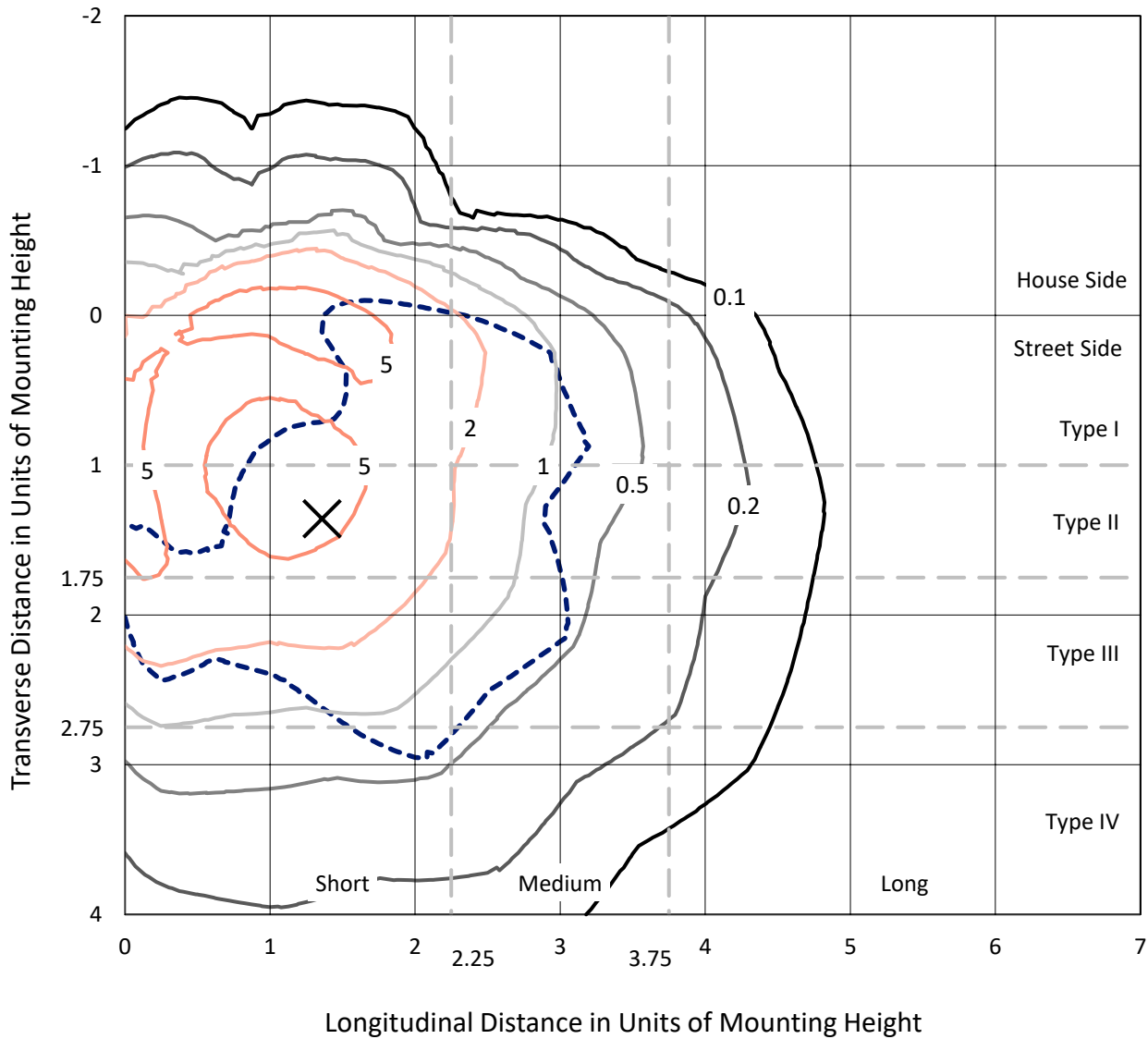
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

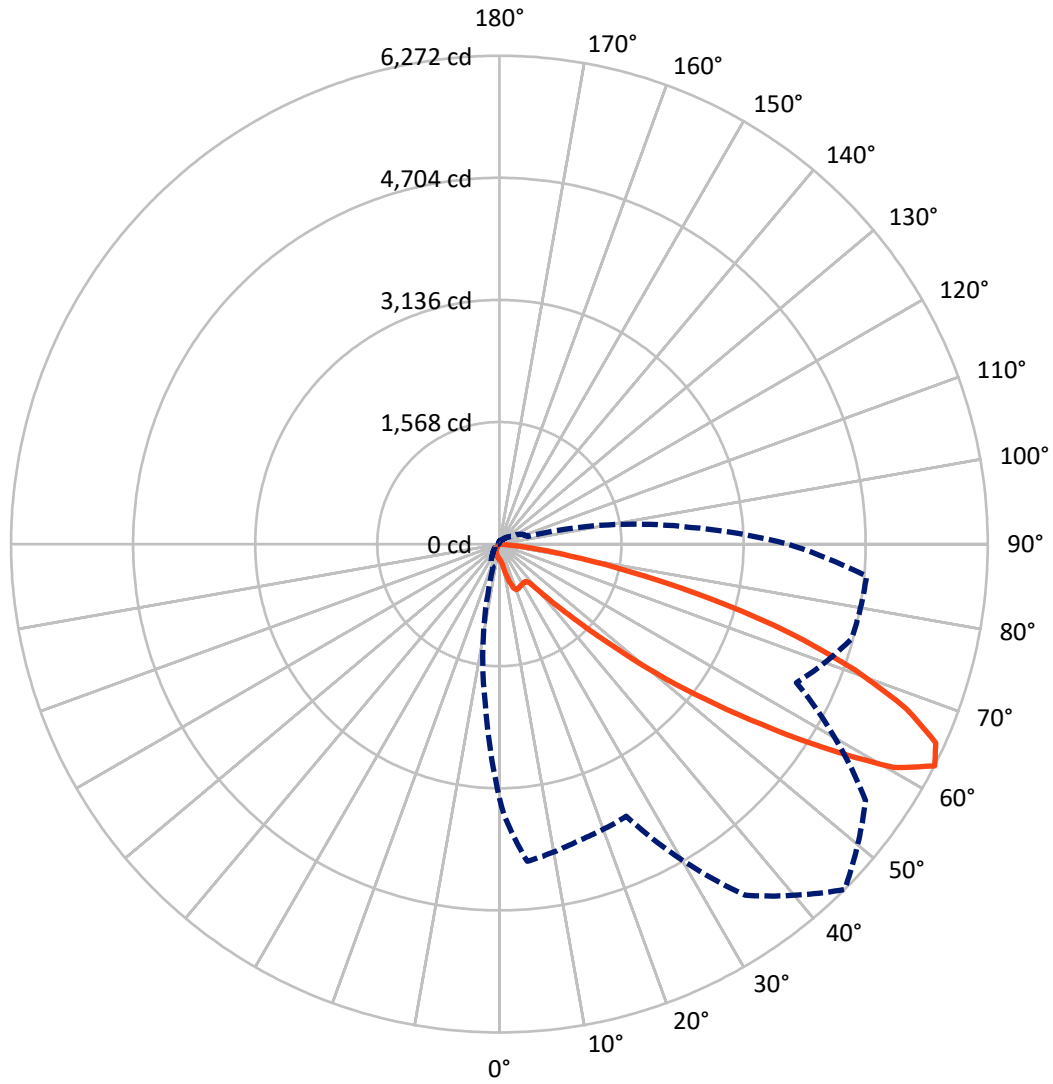
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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	468.5	0.0	468.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3328.1	0.0	3328.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	3796.6	0.0	3796.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.5
10°-20°	66.2	1.7
20°-30°	143.9	3.8
30°-40°	236.2	6.2
40°-50°	434.2	11.4
50°-60°	932.4	24.6
60°-70°	1252.3	33.0
70°-80°	652.1	17.2
80°-90°	61.8	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°	3796.6	100.0
0°-180°	3796.6	100.0

Coefficient of Utilization



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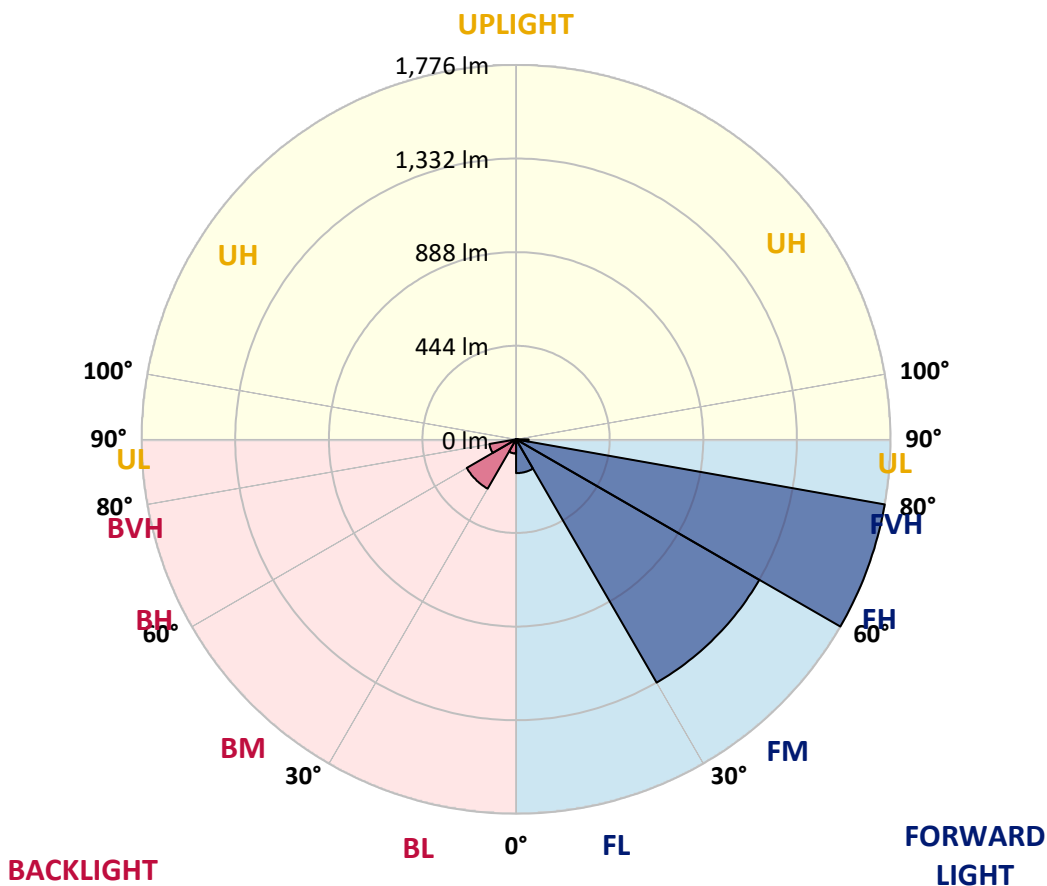
CATALOG NUMBER: GWS-SA1D-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.4	4.2			
FM (30°-60°)	1332.6	35.1			
FH (60°-80°)	1776.1	46.8			G1/1800
FVH (80°-90°)	59.1	1.6			G1/100
BL (0°-30°)	67.2	1.8	B0/110		
BM (30°-60°)	270.2	7.1	B1/1000		
BH (60°-80°)	128.4	3.4	B1/500		G1/500
BVH (80°-90°)	2.8	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°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	201.3	202.2	203.0	206.1	208.3	210.1	210.5	209.2	206.1	203.0	198.7
5°	195.2	196.0	199.1	207.4	215.8	222.3	224.5	223.2	215.8	206.1	196.0
7.5°	194.7	196.5	203.9	221.5	239.4	253.0	256.5	253.5	239.4	220.1	199.5
10°	210.5	213.6	224.5	256.1	289.0	313.1	322.8	309.6	287.2	252.2	218.4
12.5°	251.7	257.0	278.0	324.1	375.0	407.0	420.1	403.9	368.8	317.9	264.4
15°	316.6	324.5	356.1	424.9	485.0	513.5	517.9	508.7	467.9	411.8	339.9
17.5°	408.3	419.7	468.8	539.0	582.4	592.5	591.2	581.5	551.7	513.1	445.1
20°	517.9	531.5	579.8	637.6	642.0	630.2	623.6	617.9	607.8	601.2	548.2
22.5°	628.4	645.1	695.5	710.0	670.5	636.3	620.1	624.5	639.4	671.8	650.4
25°	738.5	754.3	801.7	762.6	683.7	626.7	606.1	616.6	652.1	722.3	749.9
27.5°	867.0	878.8	906.9	798.6	685.9	618.8	598.6	614.8	658.3	753.9	859.1
30°	1000.8	1007.8	994.2	808.2	678.4	606.9	591.2	614.8	668.8	774.9	941.1
32.5°	1099.0	1100.3	1056.0	809.1	674.5	597.3	584.1	612.2	678.9	792.4	1020.5
35°	1200.3	1193.7	1115.2	822.3	685.0	600.8	589.4	619.7	694.6	813.1	1090.2
37.5°	1302.9	1291.1	1181.4	843.8	712.2	639.0	631.9	657.8	720.1	841.6	1167.0
40°	1408.2	1391.9	1250.3	876.2	772.7	768.8	792.9	789.8	789.8	878.0	1245.9
42.5°	1536.6	1517.8	1352.0	967.9	913.9	1002.1	1067.8	1027.1	951.6	961.7	1348.5
45°	1706.4	1690.1	1528.3	1143.3	1135.4	1338.0	1426.6	1345.9	1158.2	1155.1	1520.0
47.5°	1977.8	1974.8	1809.4	1346.8	1406.4	1765.6	1936.6	1781.4	1393.7	1359.9	1844.5
50°	2359.4	2350.1	2159.8	1585.3	1728.7	2295.3	2600.6	2341.8	1678.3	1598.9	2279.1
52.5°	2789.1	2798.8	2650.5	1845.8	2071.2	2884.7	3309.7	2983.8	1987.5	1902.8	2826.0
55°	3193.9	3249.2	3210.1	2150.6	2405.8	3535.5	4088.5	3688.1	2370.3	2300.6	3439.0
57.5°	3510.5	3666.2	3939.9	2593.5	2799.2	4296.8	4958.2	4451.6	2817.2	2946.6	4273.6
60°	3528.1	3734.2	4369.6	3520.2	3305.3	4949.8	5826.5	5197.6	3519.7	4043.4	4927.5
62.5°	3263.6	3484.7	4089.8	3941.2	3856.5	5505.5	6272.0	5741.4	4210.9	4685.8	4733.6
65°	2961.0	3184.3	3777.6	3463.6	3792.5	5481.8	6158.9	5754.1	4273.6	4249.0	4386.7
67.5°	2503.6	2704.0	3241.3	3065.8	3495.6	5217.3	5636.1	5391.4	3937.2	3974.1	4035.5
70°	1827.4	2020.4	2519.0	2527.8	3052.7	4740.6	4842.8	4809.0	3625.9	3664.9	3489.5
72.5°	1320.0	1482.7	1912.9	2073.0	2437.0	3975.4	3904.8	4035.0	3111.0	3264.1	2802.7
75°	949.0	1070.9	1403.3	1803.3	1931.8	2952.3	2795.3	3125.0	2496.2	2810.6	2107.2
77.5°	385.0	428.0	552.1	1214.8	1269.6	1986.2	1711.2	2269.9	1779.6	1846.7	1021.4
80°	15.8	17.5	22.8	627.1	870.5	1117.4	915.7	1213.4	1175.3	743.8	241.2
82.5°	1.8	1.8	3.9	180.7	381.1	616.6	431.5	699.0	595.1	315.3	109.6
85°	0.4	0.4	0.9	20.6	89.5	98.7	58.3	214.4	276.7	128.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.9	4.4	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°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	198.7	196.5	193.8	191.2	189.9	186.4	185.1	184.2	183.3	183.7	183.7
5°	192.1	187.3	181.6	175.9	172.8	169.3	167.5	166.6	167.1	168.8	168.8
7.5°	191.2	182.0	169.7	162.3	158.8	156.1	154.4	153.5	153.9	156.1	157.0
10°	205.7	189.4	167.5	154.8	150.9	148.2	146.5	145.2	144.3	146.0	146.5
12.5°	236.8	214.4	178.0	153.9	146.9	143.4	142.1	139.5	138.1	139.0	139.5
15°	301.3	262.7	199.1	157.4	143.4	139.5	137.3	135.1	132.9	132.4	132.9
17.5°	385.5	330.2	231.1	165.8	140.8	135.9	132.9	129.8	126.7	126.3	125.9
20°	489.9	413.1	275.8	178.9	138.6	132.9	128.5	124.1	120.2	118.8	118.8
22.5°	585.0	513.1	333.3	195.2	135.5	128.5	123.2	118.0	113.6	111.4	111.0
25°	701.2	619.2	402.1	214.0	131.1	122.8	117.1	111.8	107.4	104.8	103.9
27.5°	818.3	731.0	480.2	238.6	125.9	117.1	111.8	107.0	102.2	99.1	98.2
30°	931.9	851.6	567.9	269.3	121.9	111.4	107.0	102.2	97.8	93.0	91.7
32.5°	1053.8	974.9	666.1	303.5	118.8	107.4	102.6	98.2	92.5	88.1	86.0
35°	1171.3	1102.1	774.5	336.8	115.8	103.9	98.7	94.3	88.1	83.3	80.3
37.5°	1289.8	1231.4	887.6	357.0	111.4	99.1	94.3	90.8	83.8	78.1	74.6
40°	1415.2	1365.2	1010.0	348.6	107.4	93.8	91.2	87.3	79.4	72.8	68.4
42.5°	1552.9	1492.8	1134.5	316.6	103.9	89.5	86.8	82.9	75.4	67.5	61.8
45°	1726.1	1632.7	1236.7	268.4	105.7	85.1	79.8	78.9	71.9	61.8	54.8
47.5°	2023.9	1847.6	1316.1	237.3	117.5	80.3	74.1	76.3	68.9	56.1	48.2
50°	2479.5	2203.7	1390.2	235.1	135.5	78.1	68.9	74.6	65.8	50.4	42.5
52.5°	2913.7	2565.5	1437.5	254.4	151.3	83.8	63.6	72.4	63.6	46.5	38.6
55°	3329.0	2774.2	1352.9	268.4	166.2	100.9	59.6	68.9	61.0	44.3	37.3
57.5°	3776.7	2867.2	1065.2	296.9	176.7	115.3	60.5	63.6	57.4	43.0	36.8
60°	3910.5	2748.3	642.9	334.2	171.0	119.7	67.1	56.6	52.6	40.3	35.5
62.5°	3702.6	2466.4	379.3	304.3	166.2	113.1	76.7	52.2	47.8	36.8	32.9
65°	3391.7	2083.5	247.3	257.0	176.3	100.9	81.6	50.0	43.4	33.3	28.9
67.5°	3036.5	1678.3	173.2	151.7	162.7	90.8	68.9	49.6	39.0	28.1	23.7
70°	2557.6	1256.9	121.9	100.4	135.5	80.7	53.5	48.2	34.2	22.8	18.4
72.5°	1976.1	786.7	90.8	64.9	96.5	65.8	42.5	40.8	27.6	18.9	14.0
75°	1457.3	448.6	64.0	46.9	63.6	50.0	31.6	28.9	23.7	18.0	12.7
77.5°	760.9	224.5	39.9	36.0	36.4	31.1	22.8	21.0	21.9	18.0	11.8
80°	146.0	44.7	24.1	26.3	19.7	19.7	16.7	17.5	19.3	14.5	10.1
82.5°	61.0	9.6	13.2	14.9	12.3	13.6	13.6	14.0	13.6	10.5	7.5
85°	0.0	0.0	5.7	6.1	8.3	8.3	7.0	7.0	7.0	6.1	4.4
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	2.6	3.1	3.5	2.6	1.8
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°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	183.3	182.4	183.7	184.6	185.5	185.5	184.6	183.7	182.4	183.7	182.4
5°	169.3	170.6	172.8	173.7	174.5	172.8	171.9	169.3	167.1	167.5	166.6
7.5°	158.3	159.6	162.3	164.0	164.0	163.1	160.5	157.9	154.4	154.4	153.9
10°	148.2	150.0	153.1	155.2	156.1	155.2	152.6	149.1	146.0	146.0	144.7
12.5°	139.9	142.1	145.6	148.7	149.5	148.7	146.0	142.5	139.0	139.0	138.1
15°	132.9	135.5	139.5	143.0	144.3	143.0	139.9	135.5	132.0	132.4	131.1
17.5°	126.3	128.5	133.8	137.7	139.0	137.7	133.8	128.1	124.5	125.4	124.5
20°	118.8	121.5	126.7	131.1	132.4	131.1	126.7	120.6	117.1	117.1	117.5
22.5°	111.0	113.6	118.8	121.9	123.7	122.4	118.0	112.3	108.8	108.8	109.2
25°	103.9	105.2	109.2	112.3	112.7	111.4	107.9	103.5	100.9	102.2	102.6
27.5°	97.4	97.4	99.1	100.9	100.4	99.1	97.8	94.3	93.8	95.2	96.5
30°	90.3	88.1	87.3	86.0	85.5	85.1	86.4	86.4	87.3	89.0	90.3
32.5°	84.2	79.8	75.9	71.9	69.7	71.5	75.0	78.1	81.1	83.8	85.1
35°	77.2	70.2	63.6	58.3	54.8	57.4	63.1	68.9	74.1	77.6	79.8
37.5°	70.2	60.1	52.2	45.6	43.0	45.2	51.3	59.2	67.1	71.5	74.6
40°	62.7	50.0	40.8	35.5	32.9	35.1	41.2	49.1	59.6	65.3	69.3
42.5°	55.3	41.2	32.9	27.6	26.3	27.6	32.5	40.3	51.7	58.8	64.0
45°	47.8	34.2	26.3	22.4	21.0	22.4	26.3	32.9	44.3	52.2	58.3
47.5°	41.2	28.9	21.9	18.4	17.5	18.9	21.9	27.6	37.3	45.2	52.2
50°	36.0	25.4	18.9	15.8	14.9	16.2	18.9	23.2	31.6	38.6	46.0
52.5°	32.5	23.7	16.7	13.6	13.2	14.0	16.2	19.7	26.8	32.9	39.9
55°	31.6	23.7	15.3	12.3	11.8	12.7	14.5	17.1	23.2	28.5	34.6
57.5°	32.5	25.4	14.5	10.5	10.1	11.0	12.7	14.9	20.2	24.6	30.3
60°	32.5	25.9	12.7	8.3	7.9	8.8	10.5	13.2	18.0	21.5	26.3
62.5°	29.4	23.7	10.5	6.6	5.7	6.6	8.8	11.0	15.8	19.3	23.2
65°	25.4	20.2	8.8	4.8	3.9	4.8	7.0	9.2	13.6	16.7	21.0
67.5°	20.6	15.3	6.6	3.5	2.6	3.5	5.3	7.5	11.4	14.5	18.9
70°	15.3	11.0	5.3	3.1	2.6	3.1	4.8	7.0	10.1	13.2	17.5
72.5°	11.4	7.5	4.4	3.1	2.2	3.1	4.4	6.6	9.6	12.7	16.7
75°	9.6	6.1	3.9	2.6	2.2	2.6	3.9	6.1	8.8	11.8	15.8
77.5°	9.2	5.7	3.5	2.2	1.8	2.2	3.5	5.3	7.9	11.0	15.3
80°	7.9	4.8	3.1	1.8	1.3	1.8	3.1	4.4	6.1	8.3	11.8
82.5°	6.1	3.9	2.2	0.9	0.4	0.9	2.2	2.6	3.9	4.8	7.0
85°	3.9	2.2	0.9	0.0	0.0	0.0	0.9	1.8	1.8	2.2	3.5
87.5°	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	185.1	185.5	186.4	187.7	190.8	193.4	196.0	199.5	201.3	201.3
5°	167.5	168.0	168.4	170.2	174.5	178.0	183.7	190.8	194.3	195.2
7.5°	153.9	154.8	155.7	157.0	161.4	166.2	173.7	186.8	193.4	194.7
10°	146.0	147.3	149.1	151.7	155.7	160.9	173.7	197.3	208.3	210.5
12.5°	139.9	142.1	143.8	146.9	151.7	160.1	185.5	227.2	246.5	251.7
15°	133.8	136.4	139.0	142.1	147.3	163.1	208.3	280.7	312.7	316.6
17.5°	127.6	130.7	134.2	137.7	144.3	170.6	244.3	354.8	399.5	408.3
20°	120.6	124.5	129.4	133.8	141.2	182.4	294.3	442.9	499.1	517.9
22.5°	113.1	118.0	123.7	129.4	137.7	196.9	354.8	537.7	616.2	628.4
25°	107.0	111.8	117.1	122.8	132.0	214.4	428.0	655.2	726.7	738.5
27.5°	101.3	106.1	111.0	116.2	126.3	237.3	516.2	780.2	854.7	867.0
30°	95.2	100.9	105.7	111.0	121.0	265.3	617.9	918.7	989.3	1000.8
32.5°	89.9	95.6	100.4	105.7	117.1	296.0	724.9	1041.5	1099.0	1099.0
35°	85.5	91.7	95.2	102.2	114.0	315.7	826.2	1158.6	1202.0	1200.3
37.5°	80.7	88.1	90.8	95.6	110.1	317.9	921.4	1282.3	1314.3	1302.9
40°	75.9	83.8	87.7	90.3	105.7	300.0	1025.7	1395.9	1423.1	1408.2
42.5°	71.5	77.6	83.3	86.4	103.1	268.4	1109.5	1517.4	1549.8	1536.6
45°	67.1	72.4	75.9	81.6	104.8	246.5	1181.4	1659.0	1716.0	1706.4
47.5°	62.7	67.1	69.3	78.1	116.7	236.4	1225.3	1878.3	1985.7	1977.8
50°	57.9	63.1	63.1	77.2	134.2	239.9	1263.4	2195.8	2362.0	2359.4
52.5°	53.1	58.8	57.9	83.8	147.8	256.1	1306.9	2476.0	2765.0	2789.1
55°	48.2	53.5	54.4	96.9	155.7	270.1	1138.9	2594.0	3109.3	3193.9
57.5°	43.0	46.0	56.6	107.0	153.1	310.9	780.2	2615.5	3329.0	3510.5
60°	37.3	39.9	64.0	104.8	144.7	287.2	491.2	2422.5	3297.8	3528.1
62.5°	32.5	36.8	67.5	92.5	147.3	249.1	313.1	2064.7	3000.9	3263.6
65°	28.5	35.5	61.4	83.8	149.1	168.8	211.4	1679.6	2711.1	2961.0
67.5°	25.4	39.5	50.4	74.6	128.1	118.8	145.2	1305.1	2279.5	2503.6
70°	23.2	40.3	41.2	64.0	99.1	76.3	95.6	878.4	1571.3	1827.4
72.5°	21.0	29.8	31.1	51.3	64.0	46.5	61.8	502.6	1145.5	1320.0
75°	20.2	20.2	21.5	33.3	35.5	33.8	39.9	300.0	821.4	949.0
77.5°	18.9	15.3	13.6	21.5	19.3	24.1	23.7	133.3	356.1	385.0
80°	14.9	11.0	9.2	13.6	13.2	16.2	14.0	11.0	16.2	15.8
82.5°	9.2	7.0	6.6	8.3	7.5	8.3	6.6	1.8	1.8	1.8
85°	4.4	3.9	3.5	3.5	3.9	3.5	2.6	0.9	0.4	0.4
87.5°	2.2	2.2	1.8	1.3	1.8	1.8	1.3	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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