

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: P629852

Luminaire Tested: GWS-SA1C-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629852
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-SA1C-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2982.9 lumens
Efficiency: N/A
Efficacy: 87.5 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

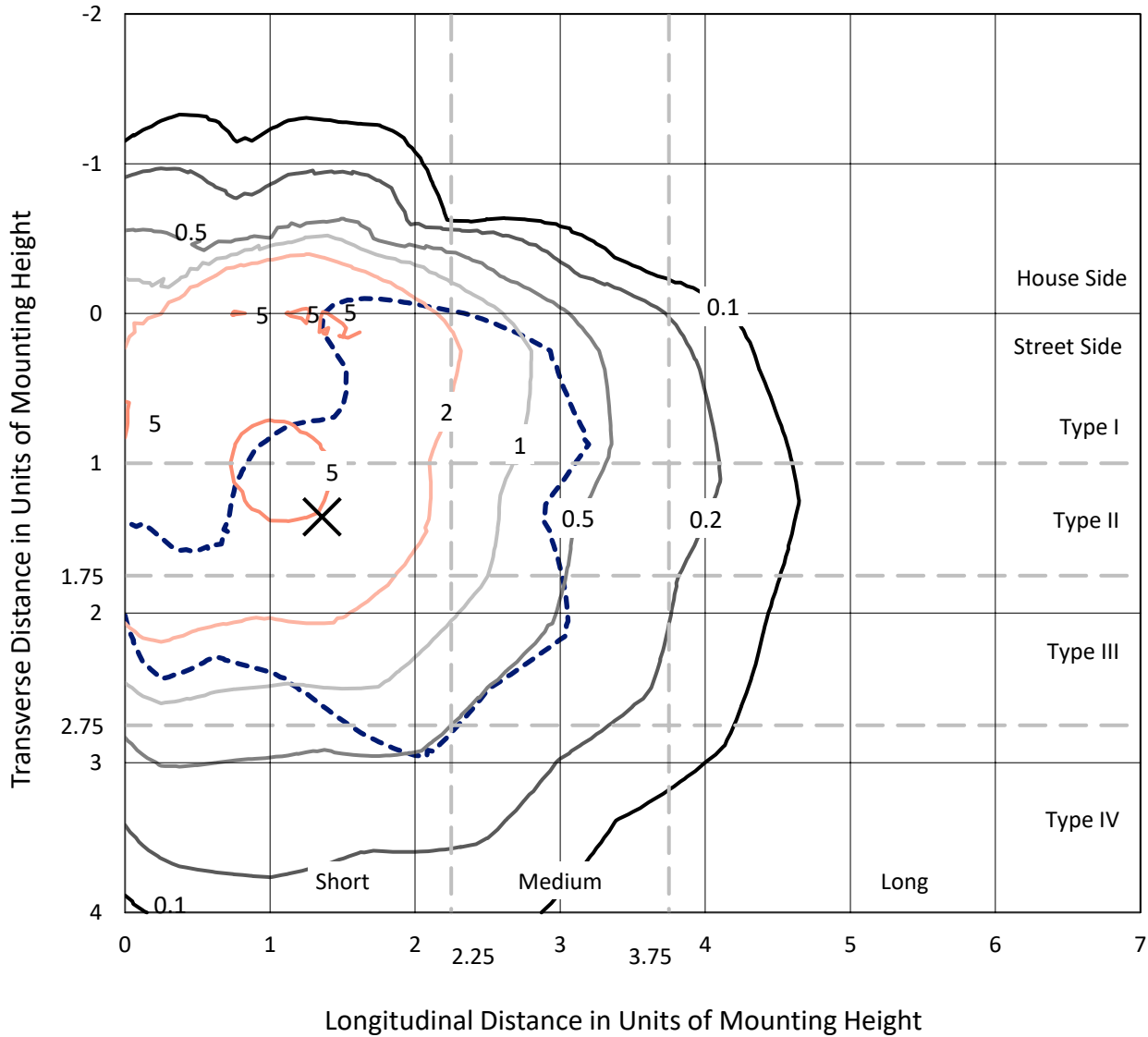
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

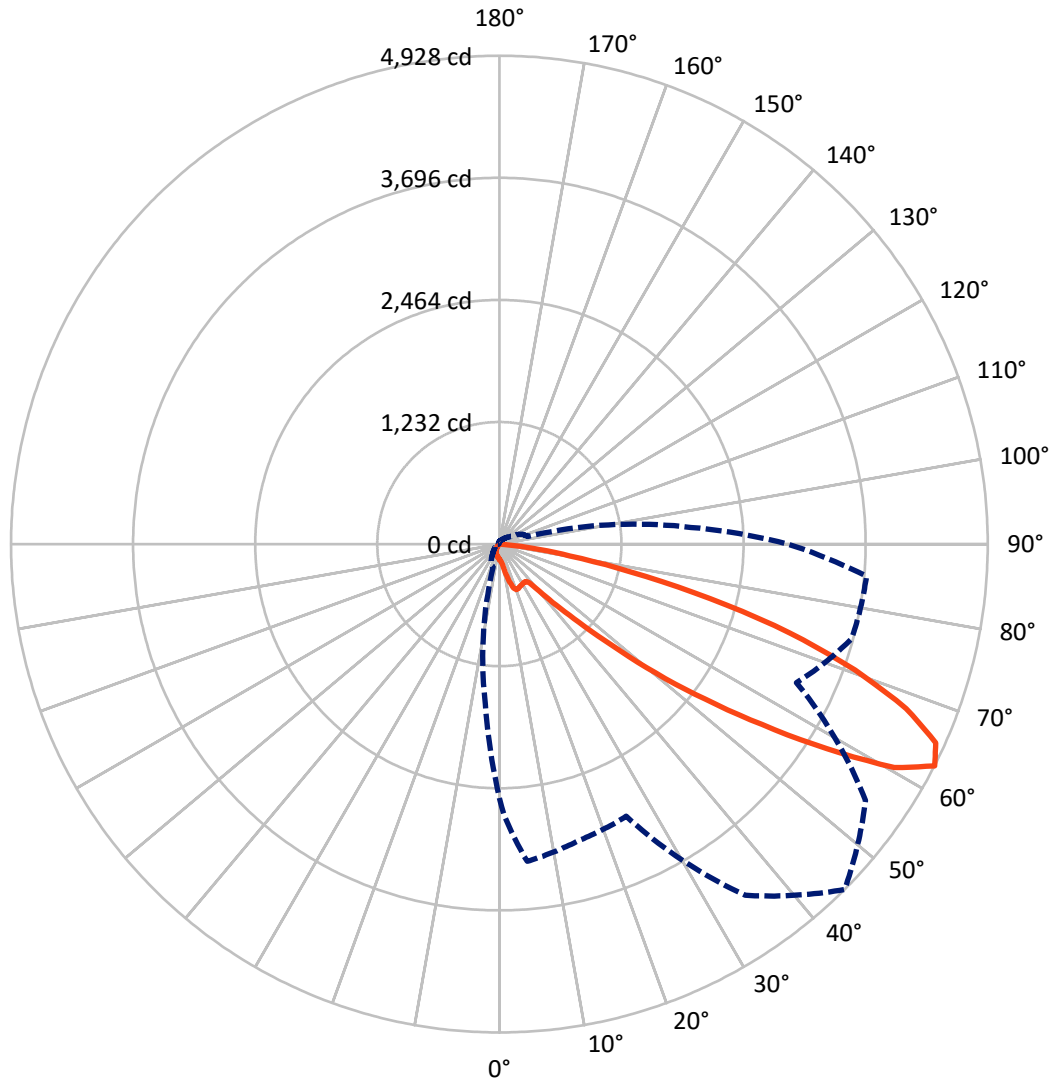
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	368.1	0.0	368.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2614.8	0.0	2614.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	2982.9	0.0	2982.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.5
10°-20°	52.0	1.7
20°-30°	113.1	3.8
30°-40°	185.6	6.2
40°-50°	341.1	11.4
50°-60°	732.6	24.6
60°-70°	983.9	33.0
70°-80°	512.3	17.2
80°-90°	48.6	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°	2982.9	100.0
0°-180°	2982.9	100.0

Coefficient of Utilization



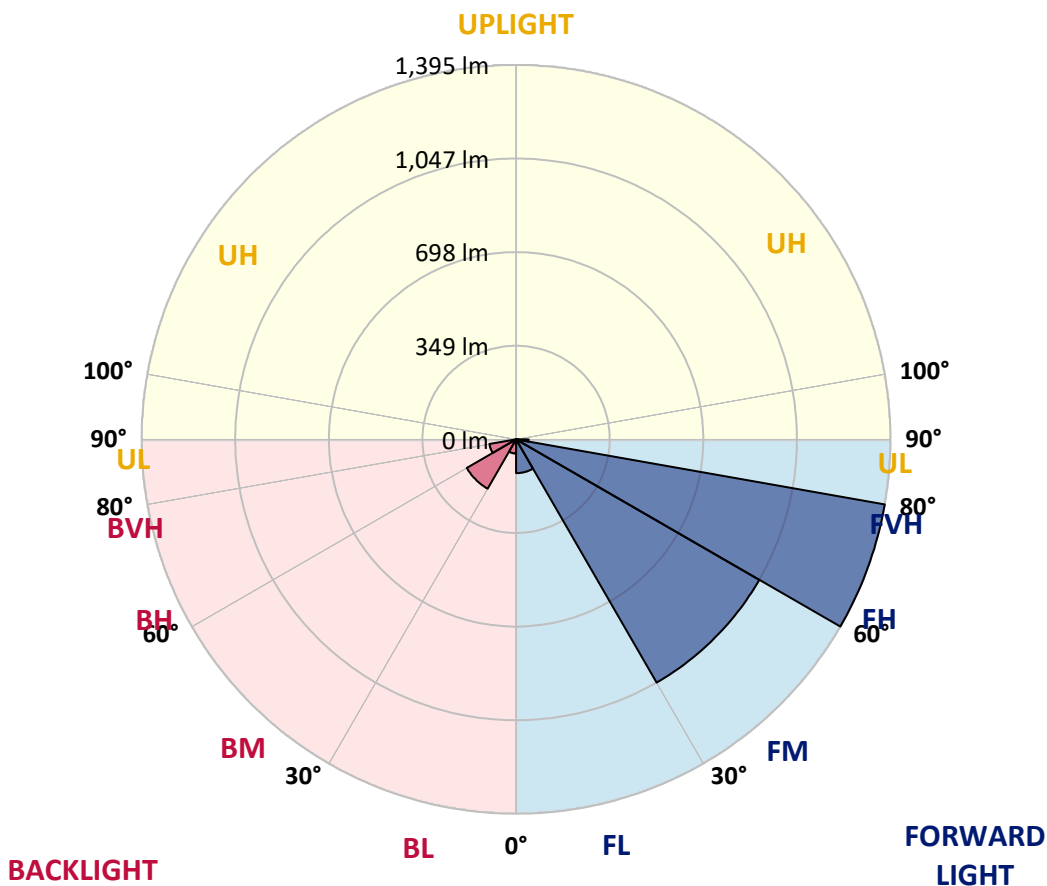
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.0	4.2			
FM (30°-60°)	1047.0	35.1			
FH (60°-80°)	1395.4	46.8			G1/1800
FVH (80°-90°)	46.4	1.6			G1/100
BL (0°-30°)	52.8	1.8	B0/110		
BM (30°-60°)	212.3	7.1	B0/220		
BH (60°-80°)	100.9	3.4	B0/110		G0/110
BVH (80°-90°)	2.2	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°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	158.1	158.8	159.5	161.9	163.7	165.0	165.4	164.4	161.9	159.5	156.1
5°	153.3	154.0	156.4	163.0	169.5	174.7	176.4	175.4	169.5	161.9	154.0
7.5°	153.0	154.4	160.2	174.0	188.1	198.8	201.6	199.2	188.1	173.0	156.8
10°	165.4	167.8	176.4	201.2	227.1	246.0	253.6	243.3	225.7	198.1	171.6
12.5°	197.8	201.9	218.4	254.6	294.6	319.7	330.1	317.3	289.8	249.8	207.8
15°	248.8	255.0	279.8	333.9	381.1	403.5	406.9	399.7	367.6	323.5	267.0
17.5°	320.8	329.7	368.3	423.5	457.6	465.5	464.5	456.9	433.4	403.1	349.7
20°	406.9	417.6	455.5	501.0	504.4	495.1	490.0	485.5	477.5	472.4	430.7
22.5°	493.7	506.8	546.5	557.8	526.8	499.9	487.2	490.6	502.4	527.9	511.0
25°	580.2	592.6	629.8	599.2	537.2	492.4	476.2	484.4	512.3	567.5	589.2
27.5°	681.2	690.5	712.5	627.4	538.9	486.2	470.3	483.1	517.2	592.3	675.0
30°	786.3	791.8	781.1	635.0	533.0	476.9	464.5	483.1	525.4	608.8	739.4
32.5°	863.4	864.5	829.7	635.7	529.9	469.3	458.9	481.0	533.4	622.6	801.8
35°	943.0	937.9	876.2	646.0	538.2	472.0	463.1	486.9	545.8	638.8	856.6
37.5°	1023.7	1014.4	928.2	662.9	559.6	502.0	496.5	516.8	565.8	661.2	916.9
40°	1106.4	1093.6	982.3	688.4	607.1	604.0	622.9	620.5	620.5	689.8	978.9
42.5°	1207.3	1192.5	1062.3	760.4	718.0	787.3	839.0	806.9	747.7	755.6	1059.5
45°	1340.7	1327.9	1200.8	898.2	892.0	1051.2	1120.8	1057.4	910.0	907.5	1194.2
47.5°	1553.9	1551.5	1421.6	1058.1	1105.0	1387.2	1521.5	1399.6	1095.0	1068.5	1449.2
50°	1853.7	1846.5	1696.9	1245.6	1358.2	1803.4	2043.2	1839.9	1318.6	1256.2	1790.6
52.5°	2191.4	2198.9	2082.5	1450.2	1627.3	2266.5	2600.3	2344.3	1561.5	1495.0	2220.3
55°	2509.4	2552.8	2522.1	1689.7	1890.2	2777.8	3212.3	2897.7	1862.3	1807.5	2702.0
57.5°	2758.1	2880.5	3095.5	2037.7	2199.3	3375.9	3895.5	3497.5	2213.4	2315.0	3357.7
60°	2771.9	2933.9	3433.1	2765.7	2596.9	3889.0	4577.7	4083.6	2765.4	3176.8	3871.4
62.5°	2564.2	2737.8	3213.3	3096.5	3030.0	4325.5	4927.8	4510.9	3308.4	3681.5	3719.1
65°	2326.4	2501.8	2968.0	2721.3	2979.7	4306.9	4838.9	4520.9	3357.7	3338.4	3446.6
67.5°	1967.0	2124.5	2546.6	2408.8	2746.4	4099.1	4428.2	4235.9	3093.4	3122.3	3170.6
70°	1435.7	1587.4	1979.1	1986.0	2398.4	3724.6	3804.9	3778.4	2848.8	2879.4	2741.6
72.5°	1037.1	1164.9	1502.9	1628.7	1914.7	3123.4	3067.9	3170.2	2444.3	2564.5	2202.0
75°	745.6	841.4	1102.6	1416.8	1517.8	2319.5	2196.2	2455.3	1961.2	2208.2	1655.6
77.5°	302.5	336.3	433.8	954.4	997.5	1560.5	1344.4	1783.4	1398.2	1450.9	802.5
80°	12.4	13.8	17.9	492.7	683.9	877.9	719.4	953.4	923.4	584.4	189.5
82.5°	1.4	1.4	3.1	142.0	299.4	484.4	339.0	549.2	467.6	247.7	86.1
85°	0.3	0.3	0.7	16.2	70.3	77.5	45.8	168.5	217.4	101.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.1	3.4	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°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	156.1	154.4	152.3	150.2	149.2	146.4	145.4	144.7	144.0	144.4	144.4
5°	150.9	147.1	142.6	138.2	135.8	133.0	131.6	130.9	131.3	132.7	132.7
7.5°	150.2	143.0	133.3	127.5	124.7	122.7	121.3	120.6	120.9	122.7	123.3
10°	161.6	148.8	131.6	121.6	118.5	116.5	115.1	114.0	113.4	114.7	115.1
12.5°	186.1	168.5	139.9	120.9	115.4	112.7	111.6	109.6	108.5	109.2	109.6
15°	236.7	206.4	156.4	123.7	112.7	109.6	107.8	106.1	104.4	104.1	104.4
17.5°	302.9	259.4	181.6	130.2	110.6	106.8	104.4	102.0	99.6	99.2	98.9
20°	384.9	324.6	216.7	140.6	108.9	104.4	101.0	97.5	94.4	93.4	93.4
22.5°	459.6	403.1	261.9	153.3	106.5	101.0	96.8	92.7	89.2	87.5	87.2
25°	550.9	486.5	316.0	168.1	103.0	96.5	92.0	87.9	84.4	82.3	81.7
27.5°	642.9	574.4	377.3	187.4	98.9	92.0	87.9	84.1	80.3	77.9	77.2
30°	732.2	669.1	446.2	211.6	95.8	87.5	84.1	80.3	76.8	73.0	72.0
32.5°	828.0	765.9	523.4	238.4	93.4	84.4	80.6	77.2	72.7	69.3	67.5
35°	920.3	865.9	608.5	264.6	91.0	81.7	77.5	74.1	69.3	65.5	63.1
37.5°	1013.3	967.5	697.4	280.5	87.5	77.9	74.1	71.3	65.8	61.3	58.6
40°	1111.9	1072.6	793.5	273.9	84.4	73.7	71.7	68.6	62.4	57.2	53.8
42.5°	1220.1	1172.9	891.4	248.8	81.7	70.3	68.2	65.1	59.3	53.1	48.6
45°	1356.2	1282.8	971.6	210.9	83.0	66.8	62.7	62.0	56.5	48.6	43.1
47.5°	1590.1	1451.6	1034.0	186.4	92.3	63.1	58.2	60.0	54.1	44.1	37.9
50°	1948.1	1731.4	1092.2	184.7	106.5	61.3	54.1	58.6	51.7	39.6	33.4
52.5°	2289.2	2015.6	1129.4	199.8	118.9	65.8	50.0	56.9	50.0	36.5	30.3
55°	2615.5	2179.6	1062.9	210.9	130.6	79.2	46.9	54.1	47.9	34.8	29.3
57.5°	2967.3	2252.7	836.9	233.3	138.9	90.6	47.5	50.0	45.1	33.8	28.9
60°	3072.4	2159.3	505.1	262.5	134.4	94.1	52.7	44.4	41.3	31.7	27.9
62.5°	2909.1	1937.8	298.0	239.1	130.6	88.9	60.3	41.0	37.6	28.9	25.8
65°	2664.8	1637.0	194.3	201.9	138.5	79.2	64.1	39.3	34.1	26.2	22.7
67.5°	2385.7	1318.6	136.1	119.2	127.8	71.3	54.1	38.9	30.7	22.1	18.6
70°	2009.4	987.5	95.8	78.9	106.5	63.4	42.0	37.9	26.9	17.9	14.5
72.5°	1552.6	618.1	71.3	51.0	75.8	51.7	33.4	32.0	21.7	14.8	11.0
75°	1144.9	352.5	50.3	36.9	50.0	39.3	24.8	22.7	18.6	14.1	10.0
77.5°	597.8	176.4	31.4	28.3	28.6	24.5	17.9	16.5	17.2	14.1	9.3
80°	114.7	35.1	19.0	20.7	15.5	15.5	13.1	13.8	15.2	11.4	7.9
82.5°	47.9	7.6	10.3	11.7	9.6	10.7	10.7	11.0	10.7	8.3	5.9
85°	0.0	0.0	4.5	4.8	6.5	6.5	5.5	5.5	5.5	4.8	3.4
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	2.1	2.4	2.8	2.1	1.4
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°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	144.0	143.3	144.4	145.1	145.7	145.7	145.1	144.4	143.3	144.4	143.3
5°	133.0	134.0	135.8	136.4	137.1	135.8	135.1	133.0	131.3	131.6	130.9
7.5°	124.4	125.4	127.5	128.9	128.9	128.2	126.1	124.0	121.3	121.3	120.9
10°	116.5	117.8	120.2	122.0	122.7	122.0	119.9	117.1	114.7	114.7	113.7
12.5°	109.9	111.6	114.4	116.8	117.5	116.8	114.7	112.0	109.2	109.2	108.5
15°	104.4	106.5	109.6	112.3	113.4	112.3	109.9	106.5	103.7	104.1	103.0
17.5°	99.2	101.0	105.1	108.2	109.2	108.2	105.1	100.6	97.9	98.5	97.9
20°	93.4	95.4	99.6	103.0	104.1	103.0	99.6	94.8	92.0	92.0	92.3
22.5°	87.2	89.2	93.4	95.8	97.2	96.1	92.7	88.2	85.4	85.4	85.8
25°	81.7	82.7	85.8	88.2	88.5	87.5	84.8	81.3	79.2	80.3	80.6
27.5°	76.5	76.5	77.9	79.2	78.9	77.9	76.8	74.1	73.7	74.8	75.8
30°	71.0	69.3	68.6	67.5	67.2	66.8	67.9	67.9	68.6	69.9	71.0
32.5°	66.2	62.7	59.6	56.5	54.8	56.2	58.9	61.3	63.7	65.8	66.8
35°	60.6	55.1	50.0	45.8	43.1	45.1	49.6	54.1	58.2	61.0	62.7
37.5°	55.1	47.2	41.0	35.8	33.8	35.5	40.3	46.5	52.7	56.2	58.6
40°	49.3	39.3	32.0	27.9	25.8	27.6	32.4	38.6	46.9	51.3	54.4
42.5°	43.4	32.4	25.8	21.7	20.7	21.7	25.5	31.7	40.7	46.2	50.3
45°	37.6	26.9	20.7	17.6	16.5	17.6	20.7	25.8	34.8	41.0	45.8
47.5°	32.4	22.7	17.2	14.5	13.8	14.8	17.2	21.7	29.3	35.5	41.0
50°	28.3	20.0	14.8	12.4	11.7	12.7	14.8	18.3	24.8	30.3	36.2
52.5°	25.5	18.6	13.1	10.7	10.3	11.0	12.7	15.5	21.0	25.8	31.4
55°	24.8	18.6	12.1	9.6	9.3	10.0	11.4	13.4	18.3	22.4	27.2
57.5°	25.5	20.0	11.4	8.3	7.9	8.6	10.0	11.7	15.8	19.3	23.8
60°	25.5	20.3	10.0	6.5	6.2	6.9	8.3	10.3	14.1	16.9	20.7
62.5°	23.1	18.6	8.3	5.2	4.5	5.2	6.9	8.6	12.4	15.2	18.3
65°	20.0	15.8	6.9	3.8	3.1	3.8	5.5	7.2	10.7	13.1	16.5
67.5°	16.2	12.1	5.2	2.8	2.1	2.8	4.1	5.9	9.0	11.4	14.8
70°	12.1	8.6	4.1	2.4	2.1	2.4	3.8	5.5	7.9	10.3	13.8
72.5°	9.0	5.9	3.4	2.4	1.7	2.4	3.4	5.2	7.6	10.0	13.1
75°	7.6	4.8	3.1	2.1	1.7	2.1	3.1	4.8	6.9	9.3	12.4
77.5°	7.2	4.5	2.8	1.7	1.4	1.7	2.8	4.1	6.2	8.6	12.1
80°	6.2	3.8	2.4	1.4	1.0	1.4	2.4	3.4	4.8	6.5	9.3
82.5°	4.8	3.1	1.7	0.7	0.3	0.7	1.7	2.1	3.1	3.8	5.5
85°	3.1	1.7	0.7	0.0	0.0	0.0	0.7	1.4	1.4	1.7	2.8
87.5°	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	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°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	145.4	145.7	146.4	147.5	149.9	151.9	154.0	156.8	158.1	158.1
5°	131.6	132.0	132.3	133.7	137.1	139.9	144.4	149.9	152.6	153.3
7.5°	120.9	121.6	122.3	123.3	126.8	130.6	136.4	146.8	151.9	153.0
10°	114.7	115.8	117.1	119.2	122.3	126.5	136.4	155.0	163.7	165.4
12.5°	109.9	111.6	113.0	115.4	119.2	125.8	145.7	178.5	193.6	197.8
15°	105.1	107.2	109.2	111.6	115.8	128.2	163.7	220.5	245.7	248.8
17.5°	100.3	102.7	105.4	108.2	113.4	134.0	191.9	278.7	313.9	320.8
20°	94.8	97.9	101.6	105.1	110.9	143.3	231.2	348.0	392.1	406.9
22.5°	88.9	92.7	97.2	101.6	108.2	154.7	278.7	422.4	484.1	493.7
25°	84.1	87.9	92.0	96.5	103.7	168.5	336.3	514.8	570.9	580.2
27.5°	79.6	83.4	87.2	91.3	99.2	186.4	405.5	613.0	671.5	681.2
30°	74.8	79.2	83.0	87.2	95.1	208.5	485.5	721.8	777.3	786.3
32.5°	70.6	75.1	78.9	83.0	92.0	232.6	569.5	818.3	863.4	863.4
35°	67.2	72.0	74.8	80.3	89.6	248.1	649.1	910.3	944.4	943.0
37.5°	63.4	69.3	71.3	75.1	86.5	249.8	723.9	1007.5	1032.6	1023.7
40°	59.6	65.8	68.9	71.0	83.0	235.7	805.9	1096.7	1118.1	1106.4
42.5°	56.2	61.0	65.5	67.9	81.0	210.9	871.7	1192.1	1217.6	1207.3
45°	52.7	56.9	59.6	64.1	82.3	193.6	928.2	1303.4	1348.2	1340.7
47.5°	49.3	52.7	54.4	61.3	91.7	185.7	962.7	1475.7	1560.1	1553.9
50°	45.5	49.6	49.6	60.6	105.4	188.5	992.7	1725.2	1855.8	1853.7
52.5°	41.7	46.2	45.5	65.8	116.1	201.2	1026.8	1945.3	2172.4	2191.4
55°	37.9	42.0	42.7	76.1	122.3	212.2	894.8	2038.0	2442.9	2509.4
57.5°	33.8	36.2	44.4	84.1	120.2	244.3	613.0	2054.9	2615.5	2758.1
60°	29.3	31.4	50.3	82.3	113.7	225.7	385.9	1903.3	2591.0	2771.9
62.5°	25.5	28.9	53.1	72.7	115.8	195.7	246.0	1622.2	2357.8	2564.2
65°	22.4	27.9	48.2	65.8	117.1	132.7	166.1	1319.6	2130.0	2326.4
67.5°	20.0	31.0	39.6	58.6	100.6	93.4	114.0	1025.4	1791.0	1967.0
70°	18.3	31.7	32.4	50.3	77.9	60.0	75.1	690.1	1234.5	1435.7
72.5°	16.5	23.4	24.5	40.3	50.3	36.5	48.6	394.9	900.0	1037.1
75°	15.8	15.8	16.9	26.2	27.9	26.5	31.4	235.7	645.3	745.6
77.5°	14.8	12.1	10.7	16.9	15.2	19.0	18.6	104.7	279.8	302.5
80°	11.7	8.6	7.2	10.7	10.3	12.7	11.0	8.6	12.7	12.4
82.5°	7.2	5.5	5.2	6.5	5.9	6.5	5.2	1.4	1.4	1.4
85°	3.4	3.1	2.8	2.8	3.1	2.8	2.1	0.7	0.3	0.3
87.5°	1.7	1.7	1.4	1.0	1.4	1.4	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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