

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: P630785

Luminaire Tested: GWS-SA1E-735-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630785
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-SA1E-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4638.2 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

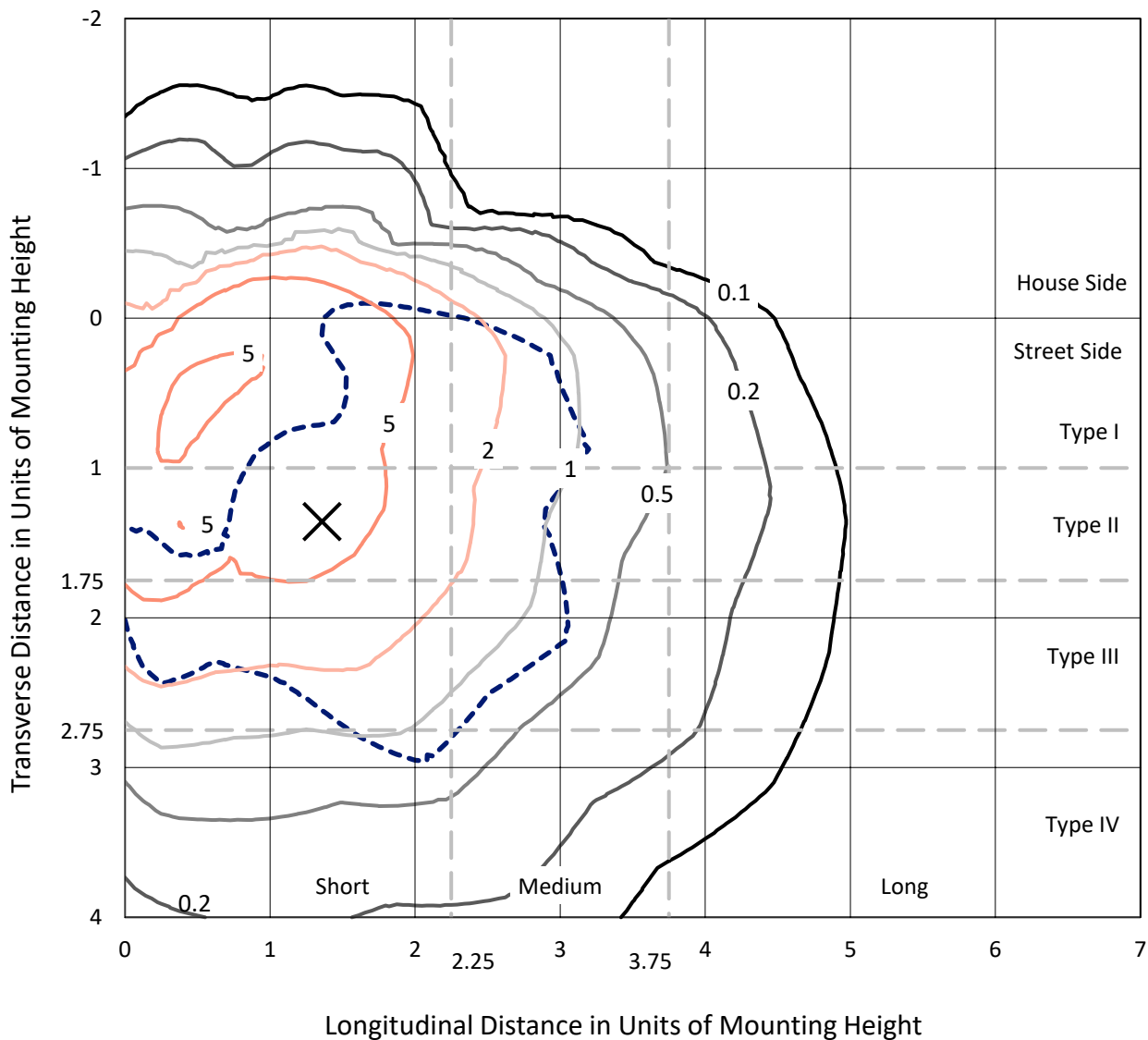
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

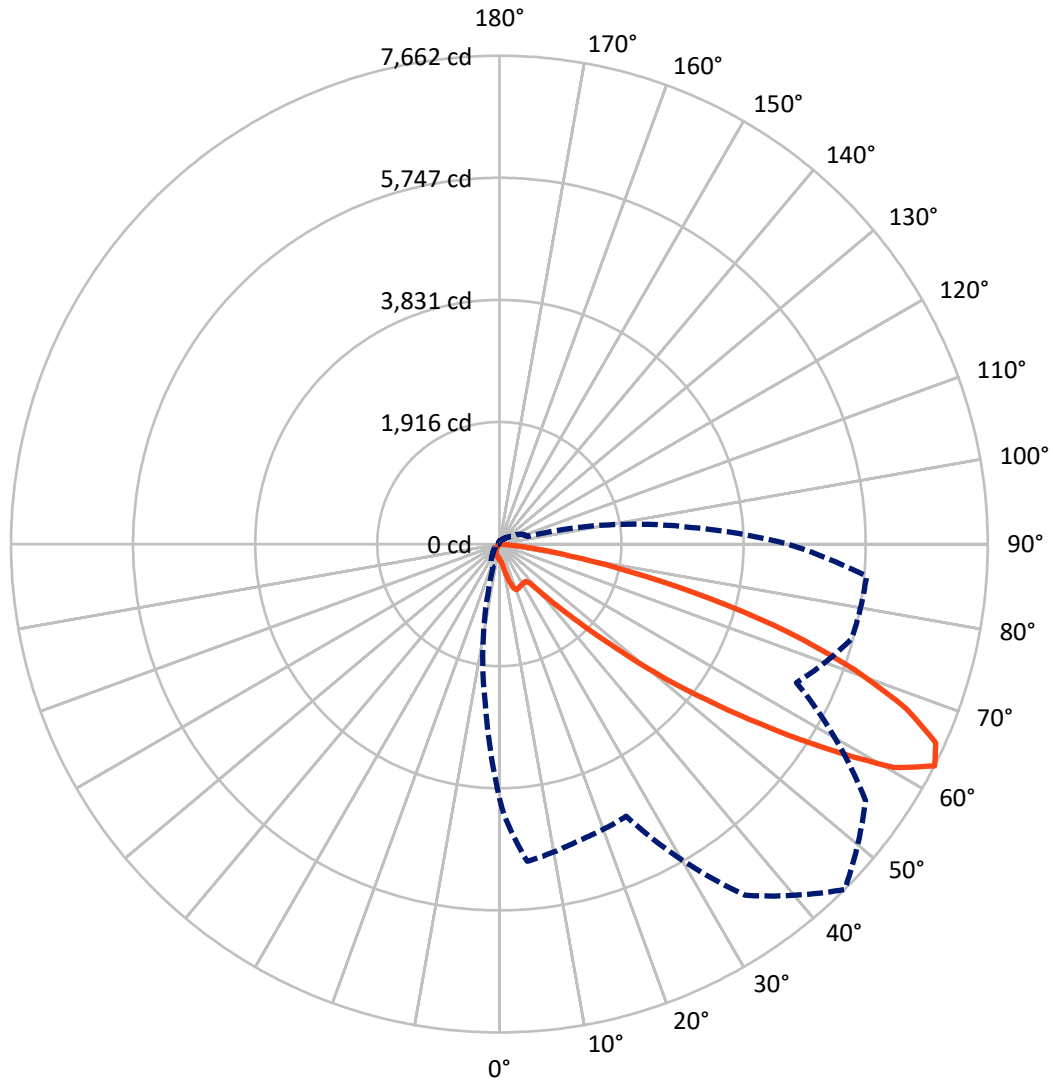
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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	572.4	0.0	572.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4065.8	0.0	4065.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	4638.2	0.0	4638.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.5
10°-20°	80.9	1.7
20°-30°	175.8	3.8
30°-40°	288.5	6.2
40°-50°	530.4	11.4
50°-60°	1139.1	24.6
60°-70°	1530.0	33.0
70°-80°	796.7	17.2
80°-90°	75.5	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°	4638.2	100.0
0°-180°	4638.2	100.0

Coefficient of Utilization

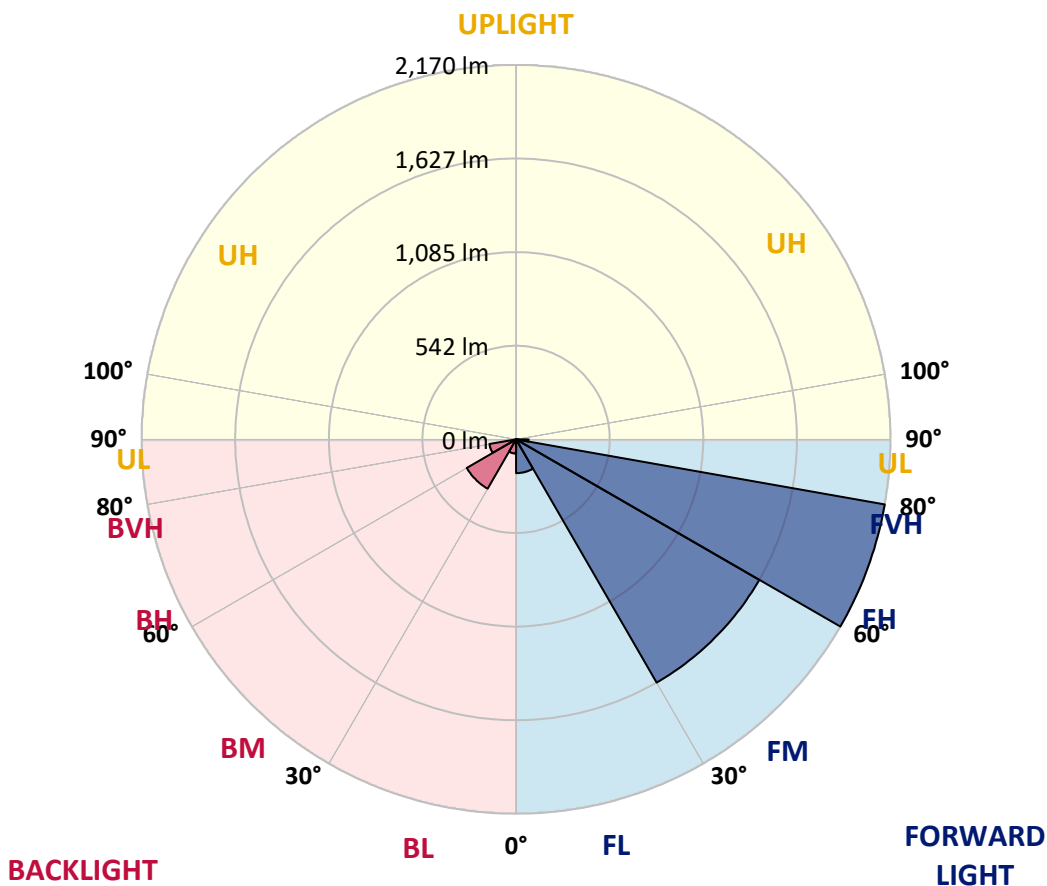


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.9	4.2			
FM (30°-60°)	1627.9	35.1			
FH (60°-80°)	2169.8	46.8			G2/5000
FVH (80°-90°)	72.2	1.6			G1/100
BL (0°-30°)	82.1	1.8	B0/110		
BM (30°-60°)	330.1	7.1	B1/1000		
BH (60°-80°)	156.8	3.4	B1/500		G1/500
BVH (80°-90°)	3.4	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	245.9	247.0	248.1	251.8	254.5	256.6	257.2	255.6	251.8	248.1	242.7
5°	238.4	239.5	243.2	253.4	263.6	271.6	274.3	272.7	263.6	251.8	239.5
7.5°	237.9	240.0	249.1	270.6	292.5	309.1	313.4	309.7	292.5	268.9	243.8
10°	257.2	260.9	274.3	312.9	353.1	382.5	394.3	378.2	350.9	308.1	266.8
12.5°	307.5	314.0	339.7	395.9	458.1	497.2	513.3	493.4	450.6	388.4	323.1
15°	386.8	396.5	435.0	519.1	592.5	627.4	632.7	621.5	571.6	503.1	415.2
17.5°	498.8	512.7	572.7	658.4	711.5	723.8	722.2	710.4	674.0	626.8	543.8
20°	632.7	649.3	708.3	779.0	784.3	769.9	761.8	754.9	742.6	734.5	669.7
22.5°	767.7	788.1	849.7	867.4	819.2	777.4	757.6	762.9	781.1	820.8	794.5
25°	902.2	921.5	979.4	931.7	835.2	765.6	740.4	753.3	796.7	882.4	916.1
27.5°	1059.2	1073.7	1107.9	975.6	837.9	755.9	731.3	751.1	804.2	921.0	1049.5
30°	1222.6	1231.2	1214.6	987.4	828.8	741.5	722.2	751.1	817.0	946.7	1149.7
32.5°	1342.6	1344.2	1290.1	988.5	824.0	729.7	713.6	747.9	829.3	968.1	1246.7
35°	1466.4	1458.3	1362.4	1004.5	836.8	734.0	720.1	757.0	848.6	993.3	1331.9
37.5°	1591.7	1577.3	1443.3	1030.8	870.1	780.6	772.0	803.6	879.7	1028.1	1425.6
40°	1720.3	1700.5	1527.4	1070.4	944.0	939.2	968.6	964.9	964.9	1072.6	1522.1
42.5°	1877.3	1854.2	1651.7	1182.4	1116.5	1224.2	1304.6	1254.7	1162.6	1174.9	1647.4
45°	2084.6	2064.8	1867.1	1396.7	1387.1	1634.6	1742.8	1644.2	1414.9	1411.2	1856.9
47.5°	2416.3	2412.5	2210.5	1645.3	1718.2	2156.9	2365.9	2176.2	1702.6	1661.4	2253.4
50°	2882.4	2871.1	2638.6	1936.8	2111.9	2804.1	3177.0	2860.9	2050.3	1953.4	2784.3
52.5°	3407.4	3419.2	3238.1	2255.0	2530.4	3524.2	4043.3	3645.3	2428.0	2324.6	3452.4
55°	3901.9	3969.4	3921.7	2627.3	2939.1	4319.2	4994.8	4505.7	2895.8	2810.6	4201.4
57.5°	4288.7	4478.9	4813.2	3168.4	3419.7	5249.3	6057.2	5438.4	3441.7	3599.7	5220.9
60°	4310.1	4561.9	5338.3	4300.5	4038.0	6047.1	7118.0	6349.8	4300.0	4939.7	6019.7
62.5°	3987.1	4257.1	4996.4	4814.8	4711.4	6725.9	7662.4	7014.1	5144.3	5724.5	5782.9
65°	3617.4	3890.1	4615.0	4231.4	4633.2	6696.9	7524.1	7029.6	5220.9	5190.9	5359.1
67.5°	3058.6	3303.5	3959.8	3745.5	4270.5	6373.9	6885.5	6586.6	4810.0	4855.0	4930.0
70°	2232.5	2468.2	3077.4	3088.1	3729.4	5791.5	5916.3	5875.1	4429.6	4477.3	4263.0
72.5°	1612.6	1811.4	2337.0	2532.5	2977.2	4856.6	4770.4	4929.5	3800.6	3987.6	3424.0
75°	1159.4	1308.3	1714.4	2203.0	2360.0	3606.7	3414.9	3817.8	3049.5	3433.6	2574.3
77.5°	470.4	522.9	674.5	1484.0	1551.0	2426.4	2090.5	2773.1	2174.1	2256.1	1247.8
80°	19.3	21.4	27.9	766.1	1063.5	1365.1	1118.7	1482.4	1435.8	908.6	294.7
82.5°	2.1	2.1	4.8	220.7	465.6	753.3	527.2	854.0	727.0	385.2	133.9
85°	0.5	0.5	1.1	25.2	109.3	120.5	71.3	262.0	338.1	157.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.8	5.4	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°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	242.7	240.0	236.8	233.6	232.0	227.7	226.1	225.0	223.9	224.5	224.5
5°	234.7	228.8	221.8	214.8	211.1	206.8	204.7	203.6	204.1	206.3	206.3
7.5°	233.6	222.3	207.3	198.2	193.9	190.7	188.6	187.5	188.0	190.7	191.8
10°	251.3	231.4	204.7	189.1	184.3	181.1	178.9	177.3	176.3	178.4	178.9
12.5°	289.3	262.0	217.5	188.0	179.5	175.2	173.6	170.4	168.8	169.8	170.4
15°	368.1	320.9	243.2	192.3	175.2	170.4	167.7	165.0	162.3	161.8	162.3
17.5°	470.9	403.4	282.3	202.5	172.0	166.1	162.3	158.6	154.8	154.3	153.8
20°	598.4	504.7	337.0	218.6	169.3	162.3	157.0	151.6	146.8	145.2	145.2
22.5°	714.7	626.8	407.2	238.4	165.5	157.0	150.5	144.1	138.8	136.1	135.5
25°	856.7	756.5	491.3	261.4	160.2	150.0	143.0	136.6	131.3	128.0	127.0
27.5°	999.7	893.1	586.7	291.5	153.8	143.0	136.6	130.7	124.8	121.1	120.0
30°	1138.5	1040.4	693.8	329.0	148.9	136.1	130.7	124.8	119.5	113.6	112.0
32.5°	1287.4	1191.0	813.8	370.7	145.2	131.3	125.4	120.0	113.0	107.7	105.0
35°	1431.0	1346.3	946.1	411.5	141.4	127.0	120.5	115.2	107.7	101.8	98.0
37.5°	1575.7	1504.4	1084.4	436.1	136.1	121.1	115.2	110.9	102.3	95.4	91.1
40°	1728.9	1667.8	1233.8	425.9	131.3	114.7	111.4	106.6	97.0	88.9	83.6
42.5°	1897.1	1823.7	1386.0	386.8	127.0	109.3	106.1	101.3	92.1	82.5	75.5
45°	2108.7	1994.6	1510.8	327.9	129.1	103.9	97.5	96.4	87.9	75.5	67.0
47.5°	2472.5	2257.1	1607.8	289.8	143.6	98.0	90.5	93.2	84.1	68.6	58.9
50°	3029.2	2692.2	1698.3	287.2	165.5	95.4	84.1	91.1	80.4	61.6	52.0
52.5°	3559.5	3134.2	1756.2	310.7	184.8	102.3	77.7	88.4	77.7	56.8	47.1
55°	4066.9	3389.2	1652.8	327.9	203.1	123.2	72.9	84.1	74.5	54.1	45.5
57.5°	4613.9	3502.8	1301.3	362.7	215.9	140.9	73.9	77.7	70.2	52.5	45.0
60°	4777.3	3357.6	785.4	408.2	208.9	146.3	82.0	69.1	64.3	49.3	43.4
62.5°	4523.4	3013.1	463.4	371.8	203.1	138.2	93.8	63.8	58.4	45.0	40.2
65°	4143.5	2545.4	302.2	314.0	215.4	123.2	99.7	61.1	53.0	40.7	35.4
67.5°	3709.6	2050.3	211.6	185.4	198.8	110.9	84.1	60.5	47.7	34.3	28.9
70°	3124.5	1535.5	148.9	122.7	165.5	98.6	65.4	58.9	41.8	27.9	22.5
72.5°	2414.1	961.1	110.9	79.3	117.9	80.4	52.0	49.8	33.8	23.0	17.1
75°	1780.3	548.1	78.2	57.3	77.7	61.1	38.6	35.4	28.9	22.0	15.5
77.5°	929.5	274.3	48.8	43.9	44.5	38.0	27.9	25.7	26.8	22.0	14.5
80°	178.4	54.6	29.5	32.1	24.1	24.1	20.4	21.4	23.6	17.7	12.3
82.5°	74.5	11.8	16.1	18.2	15.0	16.6	16.6	17.1	16.6	12.9	9.1
85°	0.0	0.0	7.0	7.5	10.2	10.2	8.6	8.6	8.6	7.5	5.4
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	3.2	3.8	4.3	3.2	2.1
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°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	223.9	222.9	224.5	225.6	226.6	226.6	225.6	224.5	222.9	224.5	222.9
5°	206.8	208.4	211.1	212.2	213.2	211.1	210.0	206.8	204.1	204.7	203.6
7.5°	193.4	195.0	198.2	200.4	200.4	199.3	196.1	192.9	188.6	188.6	188.0
10°	181.1	183.2	187.0	189.7	190.7	189.7	186.4	182.2	178.4	178.4	176.8
12.5°	170.9	173.6	177.9	181.6	182.7	181.6	178.4	174.1	169.8	169.8	168.8
15°	162.3	165.5	170.4	174.7	176.3	174.7	170.9	165.5	161.3	161.8	160.2
17.5°	154.3	157.0	163.4	168.2	169.8	168.2	163.4	156.4	152.2	153.2	152.2
20°	145.2	148.4	154.8	160.2	161.8	160.2	154.8	147.3	143.0	143.0	143.6
22.5°	135.5	138.8	145.2	148.9	151.1	149.5	144.1	137.2	132.9	132.9	133.4
25°	127.0	128.6	133.4	137.2	137.7	136.1	131.8	126.4	123.2	124.8	125.4
27.5°	118.9	118.9	121.1	123.2	122.7	121.1	119.5	115.2	114.7	116.3	117.9
30°	110.4	107.7	106.6	105.0	104.5	103.9	105.5	105.5	106.6	108.8	110.4
32.5°	102.9	97.5	92.7	87.9	85.2	87.3	91.6	95.4	99.1	102.3	103.9
35°	94.3	85.7	77.7	71.3	67.0	70.2	77.1	84.1	90.5	94.8	97.5
37.5°	85.7	73.4	63.8	55.7	52.5	55.2	62.7	72.3	82.0	87.3	91.1
40°	76.6	61.1	49.8	43.4	40.2	42.9	50.4	60.0	72.9	79.8	84.6
42.5°	67.5	50.4	40.2	33.8	32.1	33.8	39.6	49.3	63.2	71.8	78.2
45°	58.4	41.8	32.1	27.3	25.7	27.3	32.1	40.2	54.1	63.8	71.3
47.5°	50.4	35.4	26.8	22.5	21.4	23.0	26.8	33.8	45.5	55.2	63.8
50°	43.9	31.1	23.0	19.3	18.2	19.8	23.0	28.4	38.6	47.1	56.3
52.5°	39.6	28.9	20.4	16.6	16.1	17.1	19.8	24.1	32.7	40.2	48.8
55°	38.6	28.9	18.8	15.0	14.5	15.5	17.7	20.9	28.4	34.8	42.3
57.5°	39.6	31.1	17.7	12.9	12.3	13.4	15.5	18.2	24.6	30.0	37.0
60°	39.6	31.6	15.5	10.2	9.6	10.7	12.9	16.1	22.0	26.3	32.1
62.5°	35.9	28.9	12.9	8.0	7.0	8.0	10.7	13.4	19.3	23.6	28.4
65°	31.1	24.6	10.7	5.9	4.8	5.9	8.6	11.3	16.6	20.4	25.7
67.5°	25.2	18.8	8.0	4.3	3.2	4.3	6.4	9.1	13.9	17.7	23.0
70°	18.8	13.4	6.4	3.8	3.2	3.8	5.9	8.6	12.3	16.1	21.4
72.5°	13.9	9.1	5.4	3.8	2.7	3.8	5.4	8.0	11.8	15.5	20.4
75°	11.8	7.5	4.8	3.2	2.7	3.2	4.8	7.5	10.7	14.5	19.3
77.5°	11.3	7.0	4.3	2.7	2.1	2.7	4.3	6.4	9.6	13.4	18.8
80°	9.6	5.9	3.8	2.1	1.6	2.1	3.8	5.4	7.5	10.2	14.5
82.5°	7.5	4.8	2.7	1.1	0.5	1.1	2.7	3.2	4.8	5.9	8.6
85°	4.8	2.7	1.1	0.0	0.0	0.0	1.1	2.1	2.1	2.7	4.3
87.5°	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	226.1	226.6	227.7	229.3	233.1	236.3	239.5	243.8	245.9	245.9
5°	204.7	205.2	205.7	207.9	213.2	217.5	224.5	233.1	237.3	238.4
7.5°	188.0	189.1	190.2	191.8	197.2	203.1	212.2	228.2	236.3	237.9
10°	178.4	180.0	182.2	185.4	190.2	196.6	212.2	241.1	254.5	257.2
12.5°	170.9	173.6	175.7	179.5	185.4	195.6	226.6	277.5	301.1	307.5
15°	163.4	166.6	169.8	173.6	180.0	199.3	254.5	342.9	382.0	386.8
17.5°	155.9	159.7	163.9	168.2	176.3	208.4	298.4	433.4	488.1	498.8
20°	147.3	152.2	158.0	163.4	172.5	222.9	359.5	541.1	609.7	632.7
22.5°	138.2	144.1	151.1	158.0	168.2	240.6	433.4	656.8	752.7	767.7
25°	130.7	136.6	143.0	150.0	161.3	262.0	522.9	800.4	887.7	902.2
27.5°	123.8	129.7	135.5	142.0	154.3	289.8	630.6	953.1	1044.2	1059.2
30°	116.3	123.2	129.1	135.5	147.9	324.1	754.9	1122.4	1208.7	1222.6
32.5°	109.8	116.8	122.7	129.1	143.0	361.6	885.6	1272.4	1342.6	1342.6
35°	104.5	112.0	116.3	124.8	139.3	385.7	1009.4	1415.5	1468.5	1466.4
37.5°	98.6	107.7	110.9	116.8	134.5	388.4	1125.6	1566.5	1605.7	1591.7
40°	92.7	102.3	107.2	110.4	129.1	366.5	1253.1	1705.3	1738.5	1720.3
42.5°	87.3	94.8	101.8	105.5	125.9	327.9	1355.5	1853.7	1893.4	1877.3
45°	82.0	88.4	92.7	99.7	128.0	301.1	1443.3	2026.8	2096.4	2084.6
47.5°	76.6	82.0	84.6	95.4	142.5	288.8	1496.9	2294.6	2425.9	2416.3
50°	70.7	77.1	77.1	94.3	163.9	293.1	1543.5	2682.5	2885.6	2882.4
52.5°	64.8	71.8	70.7	102.3	180.5	312.9	1596.5	3024.9	3377.9	3407.4
55°	58.9	65.4	66.4	118.4	190.2	330.0	1391.4	3169.0	3798.5	3901.9
57.5°	52.5	56.3	69.1	130.7	187.0	379.8	953.1	3195.2	4066.9	4288.7
60°	45.5	48.8	78.2	128.0	176.8	350.9	600.0	2959.5	4028.9	4310.1
62.5°	39.6	45.0	82.5	113.0	180.0	304.3	382.5	2522.3	3666.2	3987.1
65°	34.8	43.4	75.0	102.3	182.2	206.3	258.2	2051.9	3312.0	3617.4
67.5°	31.1	48.2	61.6	91.1	156.4	145.2	177.3	1594.4	2784.8	3058.6
70°	28.4	49.3	50.4	78.2	121.1	93.2	116.8	1073.1	1919.6	2232.5
72.5°	25.7	36.4	38.0	62.7	78.2	56.8	75.5	614.0	1399.4	1612.6
75°	24.6	24.6	26.3	40.7	43.4	41.3	48.8	366.5	1003.5	1159.4
77.5°	23.0	18.8	16.6	26.3	23.6	29.5	28.9	162.9	435.0	470.4
80°	18.2	13.4	11.3	16.6	16.1	19.8	17.1	13.4	19.8	19.3
82.5°	11.3	8.6	8.0	10.2	9.1	10.2	8.0	2.1	2.1	2.1
85°	5.4	4.8	4.3	4.3	4.8	4.3	3.2	1.1	0.5	0.5
87.5°	2.7	2.7	2.1	1.6	2.1	2.1	1.6	0.5	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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