

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: P629357

Luminaire Tested: GWS-SA1B-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629357
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-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: 2224.2 lumens
Efficiency: N/A
Efficacy: 89.0 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

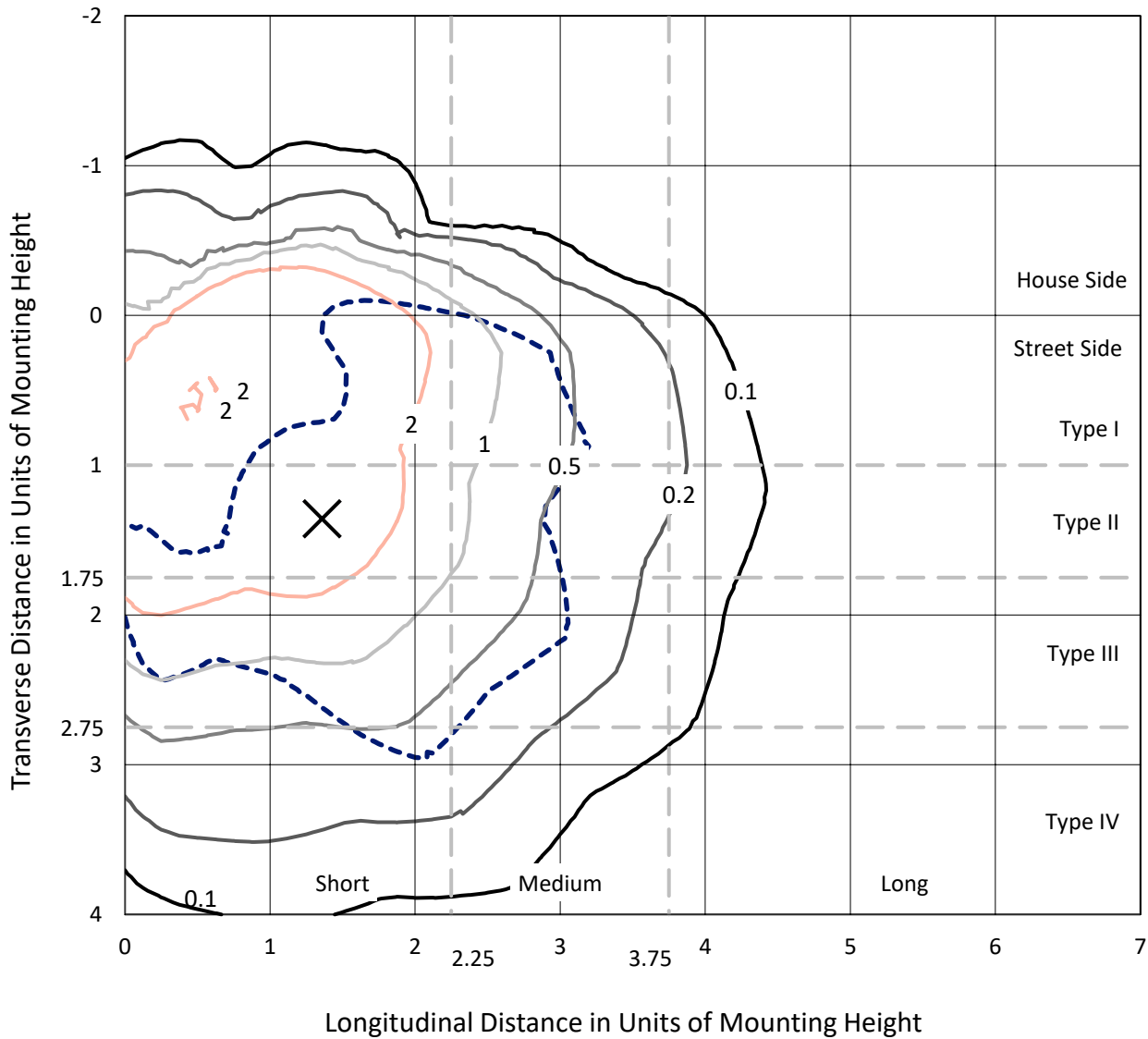
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

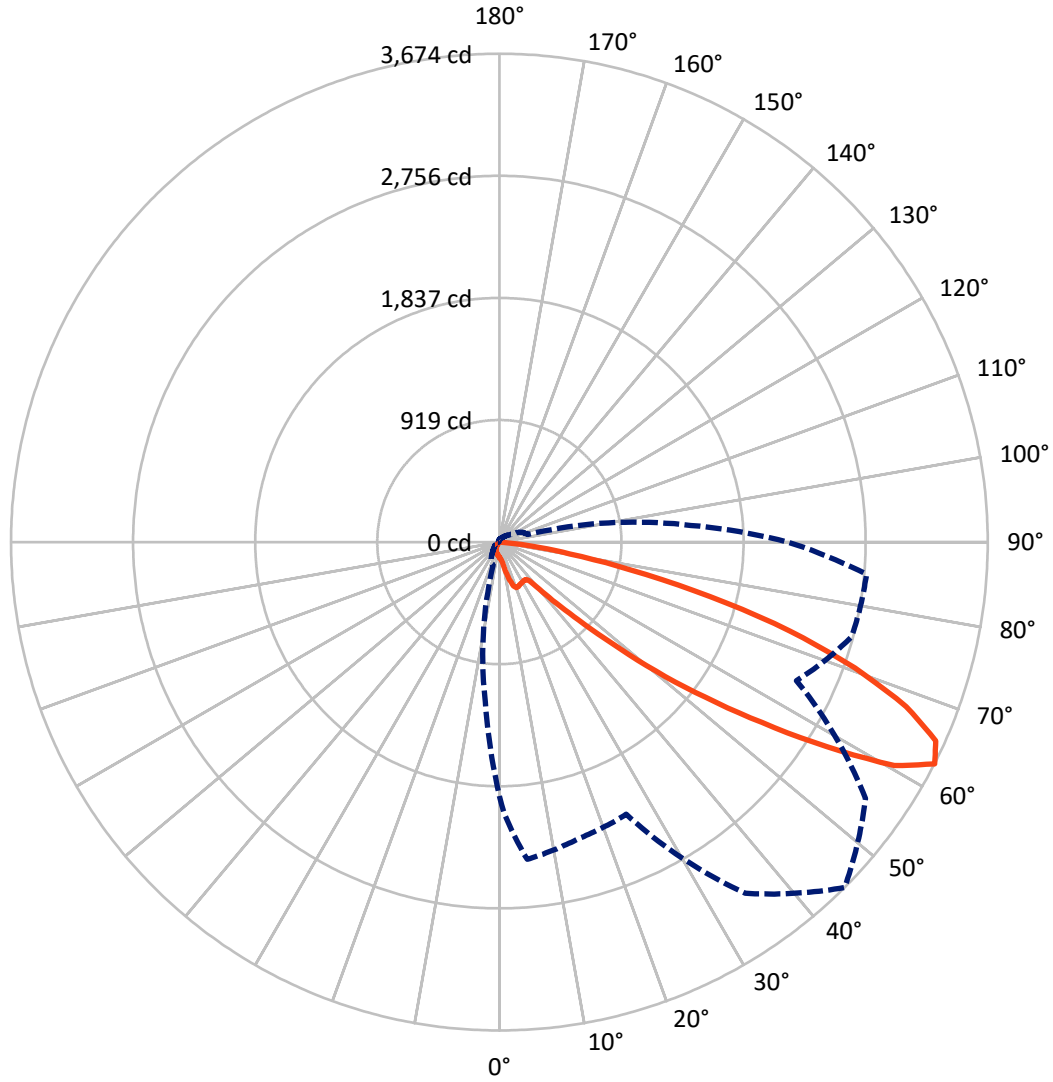
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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	274.5	0.0	274.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1949.7	0.0	1949.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	2224.2	0.0	2224.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.5
10°-20°	38.8	1.7
20°-30°	84.3	3.8
30°-40°	138.4	6.2
40°-50°	254.3	11.4
50°-60°	546.2	24.6
60°-70°	733.7	33.0
70°-80°	382.0	17.2
80°-90°	36.2	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°	2224.2	100.0
0°-180°	2224.2	100.0

Coefficient of Utilization



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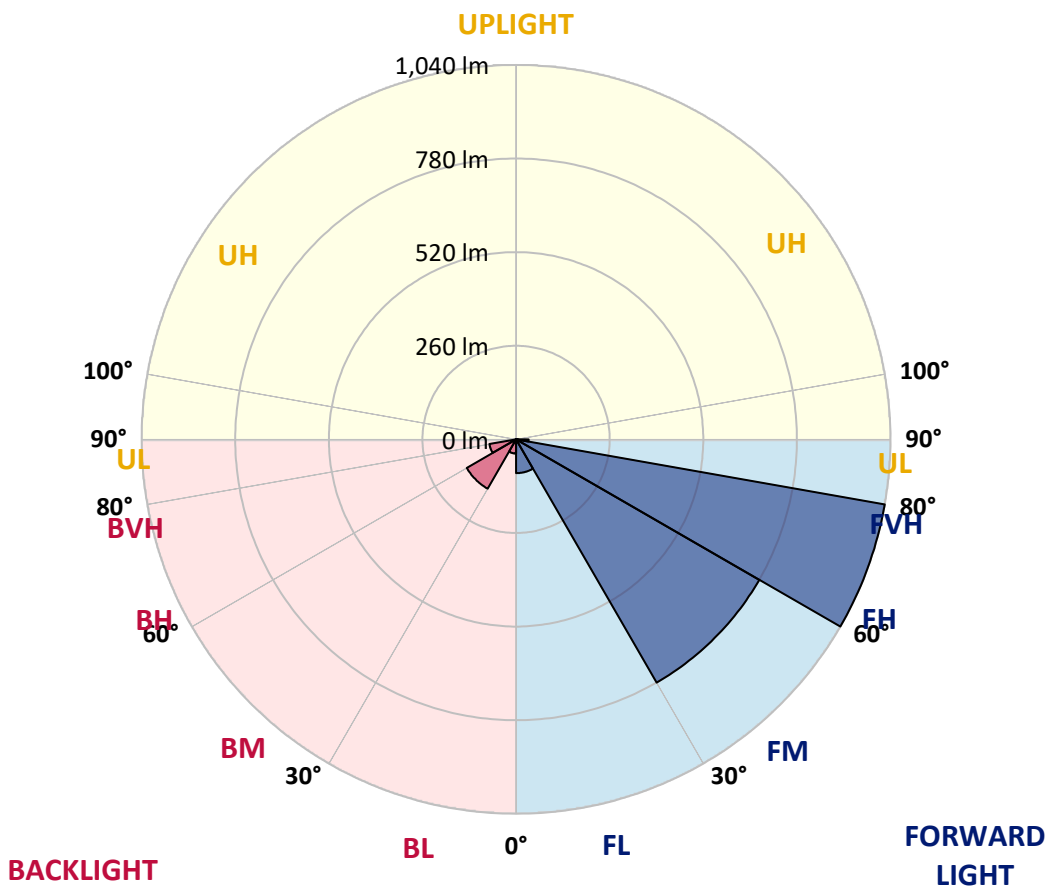
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.0	4.2			
FM (30°-60°)	780.7	35.1			
FH (60°-80°)	1040.5	46.8			G1/1800
FVH (80°-90°)	34.6	1.6			G1/100
BL (0°-30°)	39.4	1.8	B0/110		
BM (30°-60°)	158.3	7.1	B0/220		
BH (60°-80°)	75.2	3.4	B0/110		G0/110
BVH (80°-90°)	1.6	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°	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6
2.5°	117.9	118.4	119.0	120.8	122.0	123.1	123.3	122.5	120.8	119.0	116.4
5°	114.3	114.8	116.6	121.5	126.4	130.3	131.5	130.8	126.4	120.8	114.8
7.5°	114.1	115.1	119.5	129.7	140.3	148.2	150.3	148.5	140.3	129.0	116.9
10°	123.3	125.1	131.5	150.0	169.3	183.4	189.1	181.4	168.3	147.7	127.9
12.5°	147.5	150.6	162.9	189.9	219.7	238.4	246.1	236.6	216.1	186.3	154.9
15°	185.5	190.1	208.6	249.0	284.1	300.8	303.4	298.0	274.1	241.2	199.1
17.5°	239.2	245.9	274.6	315.7	341.2	347.1	346.3	340.7	323.2	300.6	260.8
20°	303.4	311.4	339.6	373.6	376.1	369.2	365.3	362.0	356.1	352.2	321.1
22.5°	368.2	377.9	407.5	415.9	392.8	372.8	363.3	365.8	374.6	393.6	381.0
25°	432.6	441.9	469.6	446.8	400.5	367.1	355.1	361.2	382.0	423.1	439.3
27.5°	507.9	514.9	531.3	467.8	401.8	362.5	350.7	360.2	385.6	441.6	503.3
30°	586.3	590.4	582.4	473.5	397.4	355.6	346.3	360.2	391.8	454.0	551.3
32.5°	643.8	644.6	618.7	474.0	395.1	349.9	342.2	358.7	397.7	464.2	597.8
35°	703.2	699.3	653.3	481.7	401.3	352.0	345.3	363.0	407.0	476.3	638.7
37.5°	763.3	756.4	692.1	494.3	417.2	374.3	370.2	385.4	421.9	493.0	683.7
40°	825.0	815.4	732.5	513.3	452.7	450.4	464.5	462.7	462.7	514.3	729.9
42.5°	900.2	889.2	792.1	567.0	535.4	587.1	625.6	601.7	557.5	563.4	790.0
45°	999.7	990.2	895.3	669.8	665.2	783.8	835.7	788.5	678.5	676.7	890.5
47.5°	1158.7	1156.9	1060.0	789.0	823.9	1034.3	1134.5	1043.6	816.5	796.7	1080.6
50°	1382.2	1376.8	1265.3	928.7	1012.8	1344.7	1523.5	1371.9	983.2	936.7	1335.2
52.5°	1634.0	1639.6	1552.8	1081.4	1213.4	1690.0	1938.9	1748.1	1164.3	1114.8	1655.6
55°	1871.1	1903.5	1880.6	1259.9	1409.4	2071.3	2395.2	2160.7	1388.6	1347.8	2014.7
57.5°	2056.6	2147.8	2308.1	1519.4	1639.9	2517.3	2904.7	2607.9	1650.4	1726.2	2503.6
60°	2066.9	2187.6	2559.9	2062.3	1936.4	2899.8	3413.4	3045.0	2062.0	2368.8	2886.7
62.5°	1912.0	2041.4	2396.0	2308.9	2259.3	3225.3	3674.4	3363.5	2466.9	2745.1	2773.1
65°	1734.7	1865.5	2213.1	2029.1	2221.8	3211.4	3608.1	3371.0	2503.6	2489.3	2569.9
67.5°	1466.7	1584.1	1898.9	1796.1	2047.9	3056.5	3301.9	3158.5	2306.6	2328.2	2364.1
70°	1070.6	1183.6	1475.7	1480.9	1788.4	2777.3	2837.1	2817.3	2124.2	2147.0	2044.3
72.5°	773.3	868.6	1120.7	1214.4	1427.7	2328.9	2287.6	2363.9	1822.6	1912.2	1641.9
75°	556.0	627.4	822.1	1056.4	1131.7	1729.6	1637.6	1830.8	1462.4	1646.6	1234.5
77.5°	225.6	250.7	323.5	711.7	743.8	1163.6	1002.5	1329.8	1042.6	1081.9	598.4
80°	9.2	10.3	13.4	367.4	510.0	654.6	536.4	710.9	688.5	435.7	141.3
82.5°	1.0	1.0	2.3	105.8	223.3	361.2	252.8	409.5	348.6	184.7	64.2
85°	0.3	0.3	0.5	12.1	52.4	57.8	34.2	125.6	162.1	75.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	2.6	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°	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6
2.5°	116.4	115.1	113.6	112.0	111.2	109.2	108.4	107.9	107.4	107.6	107.6
5°	112.5	109.7	106.4	103.0	101.2	99.2	98.1	97.6	97.9	98.9	98.9
7.5°	112.0	106.6	99.4	95.1	93.0	91.5	90.4	89.9	90.2	91.5	92.0
10°	120.5	111.0	98.1	90.7	88.4	86.8	85.8	85.0	84.5	85.6	85.8
12.5°	138.7	125.6	104.3	90.2	86.1	84.0	83.2	81.7	80.9	81.4	81.7
15°	176.5	153.9	116.6	92.2	84.0	81.7	80.4	79.1	77.8	77.6	77.8
17.5°	225.8	193.5	135.4	97.1	82.5	79.6	77.8	76.0	74.2	74.0	73.7
20°	287.0	242.0	161.6	104.8	81.2	77.8	75.3	72.7	70.4	69.6	69.6
22.5°	342.7	300.6	195.3	114.3	79.4	75.3	72.2	69.1	66.5	65.3	65.0
25°	410.8	362.8	235.6	125.4	76.8	71.9	68.6	65.5	62.9	61.4	60.9
27.5°	479.4	428.3	281.3	139.8	73.7	68.6	65.5	62.7	59.9	58.1	57.5
30°	545.9	498.9	332.7	157.7	71.4	65.3	62.7	59.9	57.3	54.5	53.7
32.5°	617.4	571.1	390.3	177.8	69.6	62.9	60.1	57.5	54.2	51.6	50.4
35°	686.2	645.6	453.7	197.3	67.8	60.9	57.8	55.2	51.6	48.8	47.0
37.5°	755.6	721.4	520.0	209.1	65.3	58.1	55.2	53.2	49.1	45.7	43.7
40°	829.1	799.8	591.7	204.2	62.9	55.0	53.4	51.1	46.5	42.6	40.1
42.5°	909.7	874.5	664.6	185.5	60.9	52.4	50.9	48.6	44.2	39.6	36.2
45°	1011.2	956.5	724.5	157.2	61.9	49.8	46.8	46.2	42.1	36.2	32.1
47.5°	1185.7	1082.4	771.0	139.0	68.9	47.0	43.4	44.7	40.3	32.9	28.3
50°	1452.6	1291.0	814.4	137.7	79.4	45.7	40.3	43.7	38.5	29.5	24.9
52.5°	1706.9	1503.0	842.2	149.0	88.6	49.1	37.3	42.4	37.3	27.2	22.6
55°	1950.2	1625.2	792.6	157.2	97.4	59.1	34.9	40.3	35.7	25.9	21.8
57.5°	2212.6	1679.7	624.0	173.9	103.5	67.6	35.5	37.3	33.7	25.2	21.6
60°	2290.9	1610.1	376.6	195.8	100.2	70.1	39.3	33.1	30.8	23.6	20.8
62.5°	2169.1	1444.9	222.2	178.3	97.4	66.3	45.0	30.6	28.0	21.6	19.3
65°	1987.0	1220.6	144.9	150.6	103.3	59.1	47.8	29.3	25.4	19.5	17.0
67.5°	1778.9	983.2	101.5	88.9	95.3	53.2	40.3	29.0	22.9	16.4	13.9
70°	1498.3	736.3	71.4	58.8	79.4	47.3	31.3	28.3	20.0	13.4	10.8
72.5°	1157.7	460.9	53.2	38.0	56.5	38.5	24.9	23.9	16.2	11.0	8.2
75°	853.7	262.8	37.5	27.5	37.3	29.3	18.5	17.0	13.9	10.5	7.5
77.5°	445.7	131.5	23.4	21.1	21.3	18.2	13.4	12.3	12.8	10.5	6.9
80°	85.6	26.2	14.1	15.4	11.6	11.6	9.8	10.3	11.3	8.5	5.9
82.5°	35.7	5.7	7.7	8.7	7.2	8.0	8.0	8.2	8.0	6.2	4.4
85°	0.0	0.0	3.3	3.6	4.9	4.9	4.1	4.1	4.1	3.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.5	1.8	2.1	1.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6
2.5°	107.4	106.9	107.6	108.2	108.7	108.7	108.2	107.6	106.9	107.6	106.9
5°	99.2	99.9	101.2	101.7	102.3	101.2	100.7	99.2	97.9	98.1	97.6
7.5°	92.7	93.5	95.1	96.1	96.1	95.6	94.0	92.5	90.4	90.4	90.2
10°	86.8	87.9	89.7	90.9	91.5	90.9	89.4	87.4	85.6	85.6	84.8
12.5°	82.0	83.2	85.3	87.1	87.6	87.1	85.6	83.5	81.4	81.4	80.9
15°	77.8	79.4	81.7	83.8	84.5	83.8	82.0	79.4	77.3	77.6	76.8
17.5°	74.0	75.3	78.4	80.7	81.4	80.7	78.4	75.0	73.0	73.5	73.0
20°	69.6	71.2	74.2	76.8	77.6	76.8	74.2	70.7	68.6	68.6	68.9
22.5°	65.0	66.5	69.6	71.4	72.5	71.7	69.1	65.8	63.7	63.7	64.0
25°	60.9	61.7	64.0	65.8	66.0	65.3	63.2	60.6	59.1	59.9	60.1
27.5°	57.0	57.0	58.1	59.1	58.8	58.1	57.3	55.2	55.0	55.8	56.5
30°	52.9	51.6	51.1	50.4	50.1	49.8	50.6	50.6	51.1	52.2	52.9
32.5°	49.3	46.8	44.4	42.1	40.8	41.9	43.9	45.7	47.5	49.1	49.8
35°	45.2	41.1	37.3	34.2	32.1	33.7	37.0	40.3	43.4	45.5	46.8
37.5°	41.1	35.2	30.6	26.7	25.2	26.5	30.1	34.7	39.3	41.9	43.7
40°	36.7	29.3	23.9	20.8	19.3	20.6	24.2	28.8	34.9	38.3	40.6
42.5°	32.4	24.2	19.3	16.2	15.4	16.2	19.0	23.6	30.3	34.4	37.5
45°	28.0	20.0	15.4	13.1	12.3	13.1	15.4	19.3	25.9	30.6	34.2
47.5°	24.2	17.0	12.8	10.8	10.3	11.0	12.8	16.2	21.8	26.5	30.6
50°	21.1	14.9	11.0	9.2	8.7	9.5	11.0	13.6	18.5	22.6	27.0
52.5°	19.0	13.9	9.8	8.0	7.7	8.2	9.5	11.6	15.7	19.3	23.4
55°	18.5	13.9	9.0	7.2	6.9	7.5	8.5	10.0	13.6	16.7	20.3
57.5°	19.0	14.9	8.5	6.2	5.9	6.4	7.5	8.7	11.8	14.4	17.7
60°	19.0	15.2	7.5	4.9	4.6	5.1	6.2	7.7	10.5	12.6	15.4
62.5°	17.2	13.9	6.2	3.9	3.3	3.9	5.1	6.4	9.2	11.3	13.6
65°	14.9	11.8	5.1	2.8	2.3	2.8	4.1	5.4	8.0	9.8	12.3
67.5°	12.1	9.0	3.9	2.1	1.5	2.1	3.1	4.4	6.7	8.5	11.0
70°	9.0	6.4	3.1	1.8	1.5	1.8	2.8	4.1	5.9	7.7	10.3
72.5°	6.7	4.4	2.6	1.8	1.3	1.8	2.6	3.9	5.7	7.5	9.8
75°	5.7	3.6	2.3	1.5	1.3	1.5	2.3	3.6	5.1	6.9	9.2
77.5°	5.4	3.3	2.1	1.3	1.0	1.3	2.1	3.1	4.6	6.4	9.0
80°	4.6	2.8	1.8	1.0	0.8	1.0	1.8	2.6	3.6	4.9	6.9
82.5°	3.6	2.3	1.3	0.5	0.3	0.5	1.3	1.5	2.3	2.8	4.1
85°	2.3	1.3	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.3	2.1
87.5°	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6
2.5°	108.4	108.7	109.2	110.0	111.8	113.3	114.8	116.9	117.9	117.9
5°	98.1	98.4	98.7	99.7	102.3	104.3	107.6	111.8	113.8	114.3
7.5°	90.2	90.7	91.2	92.0	94.5	97.4	101.7	109.4	113.3	114.1
10°	85.6	86.3	87.4	88.9	91.2	94.3	101.7	115.6	122.0	123.3
12.5°	82.0	83.2	84.3	86.1	88.9	93.8	108.7	133.1	144.4	147.5
15°	78.4	79.9	81.4	83.2	86.3	95.6	122.0	164.4	183.2	185.5
17.5°	74.8	76.6	78.6	80.7	84.5	99.9	143.1	207.8	234.0	239.2
20°	70.7	73.0	75.8	78.4	82.7	106.9	172.4	259.5	292.4	303.4
22.5°	66.3	69.1	72.5	75.8	80.7	115.4	207.8	315.0	361.0	368.2
25°	62.7	65.5	68.6	71.9	77.3	125.6	250.7	383.8	425.7	432.6
27.5°	59.3	62.2	65.0	68.1	74.0	139.0	302.4	457.1	500.7	507.9
30°	55.8	59.1	61.9	65.0	70.9	155.4	362.0	538.2	579.6	586.3
32.5°	52.7	56.0	58.8	61.9	68.6	173.4	424.7	610.2	643.8	643.8
35°	50.1	53.7	55.8	59.9	66.8	185.0	484.0	678.8	704.2	703.2
37.5°	47.3	51.6	53.2	56.0	64.5	186.3	539.8	751.2	770.0	763.3
40°	44.4	49.1	51.4	52.9	61.9	175.7	600.9	817.8	833.7	825.0
42.5°	41.9	45.5	48.8	50.6	60.4	157.2	650.0	888.9	907.9	900.2
45°	39.3	42.4	44.4	47.8	61.4	144.4	692.1	971.9	1005.3	999.7
47.5°	36.7	39.3	40.6	45.7	68.3	138.5	717.8	1100.4	1163.3	1158.7
50°	33.9	37.0	37.0	45.2	78.6	140.5	740.2	1286.4	1383.7	1382.2
52.5°	31.1	34.4	33.9	49.1	86.6	150.0	765.6	1450.5	1619.9	1634.0
55°	28.3	31.3	31.9	56.8	91.2	158.3	667.2	1519.7	1821.5	1871.1
57.5°	25.2	27.0	33.1	62.7	89.7	182.2	457.1	1532.2	1950.2	2056.6
60°	21.8	23.4	37.5	61.4	84.8	168.3	287.7	1419.2	1932.0	2066.9
62.5°	19.0	21.6	39.6	54.2	86.3	145.9	183.4	1209.6	1758.1	1912.0
65°	16.7	20.8	36.0	49.1	87.4	98.9	123.8	984.0	1588.2	1734.7
67.5°	14.9	23.1	29.5	43.7	75.0	69.6	85.0	764.6	1335.4	1466.7
70°	13.6	23.6	24.2	37.5	58.1	44.7	56.0	514.6	920.5	1070.6
72.5°	12.3	17.5	18.2	30.1	37.5	27.2	36.2	294.4	671.1	773.3
75°	11.8	11.8	12.6	19.5	20.8	19.8	23.4	175.7	481.2	556.0
77.5°	11.0	9.0	8.0	12.6	11.3	14.1	13.9	78.1	208.6	225.6
80°	8.7	6.4	5.4	8.0	7.7	9.5	8.2	6.4	9.5	9.2
82.5°	5.4	4.1	3.9	4.9	4.4	4.9	3.9	1.0	1.0	1.0
85°	2.6	2.3	2.1	2.1	2.3	2.1	1.5	0.5	0.3	0.3
87.5°	1.3	1.3	1.0	0.8	1.0	1.0	0.8	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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