

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: P629628

Luminaire Tested: GWS-SA1C-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2143.7 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

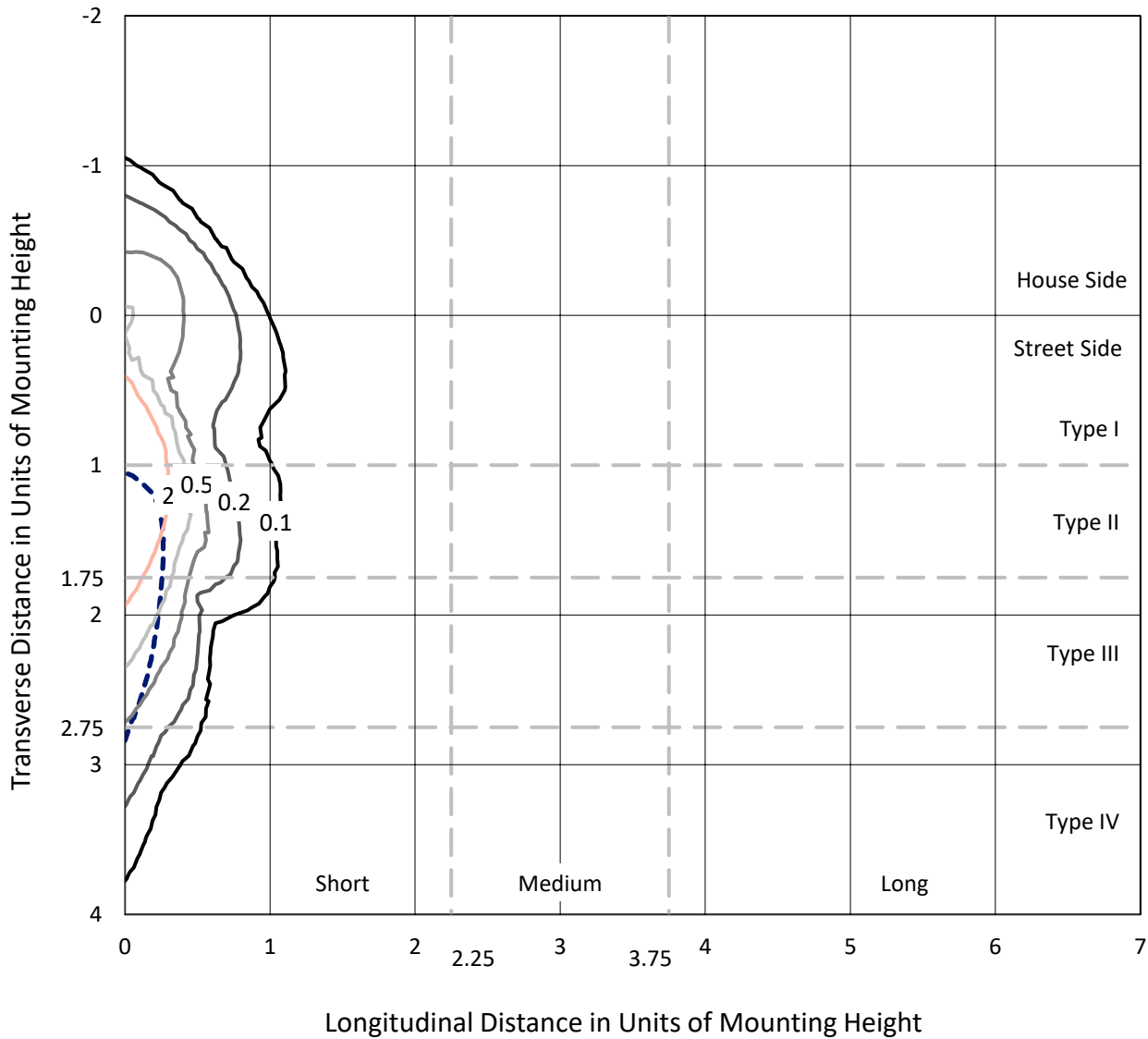
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

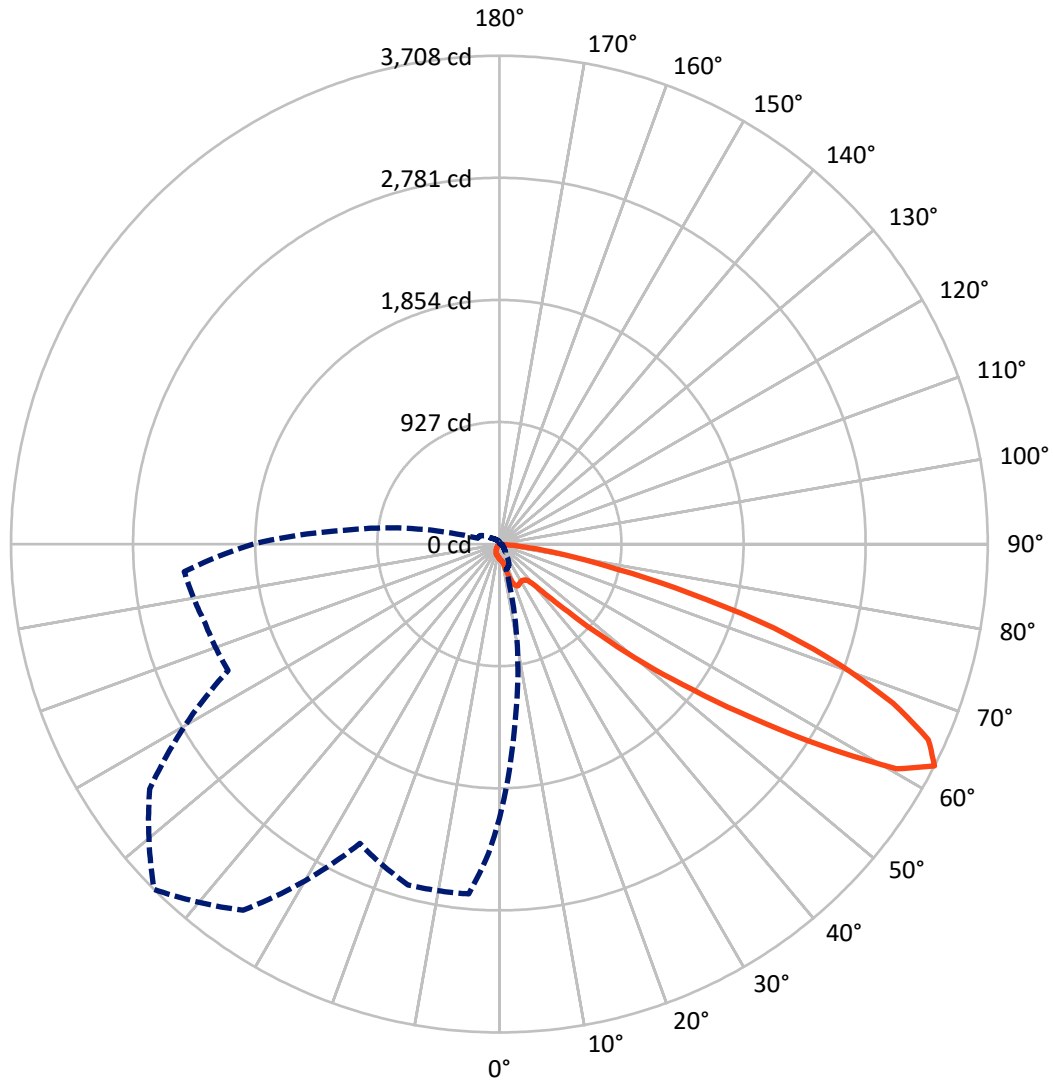
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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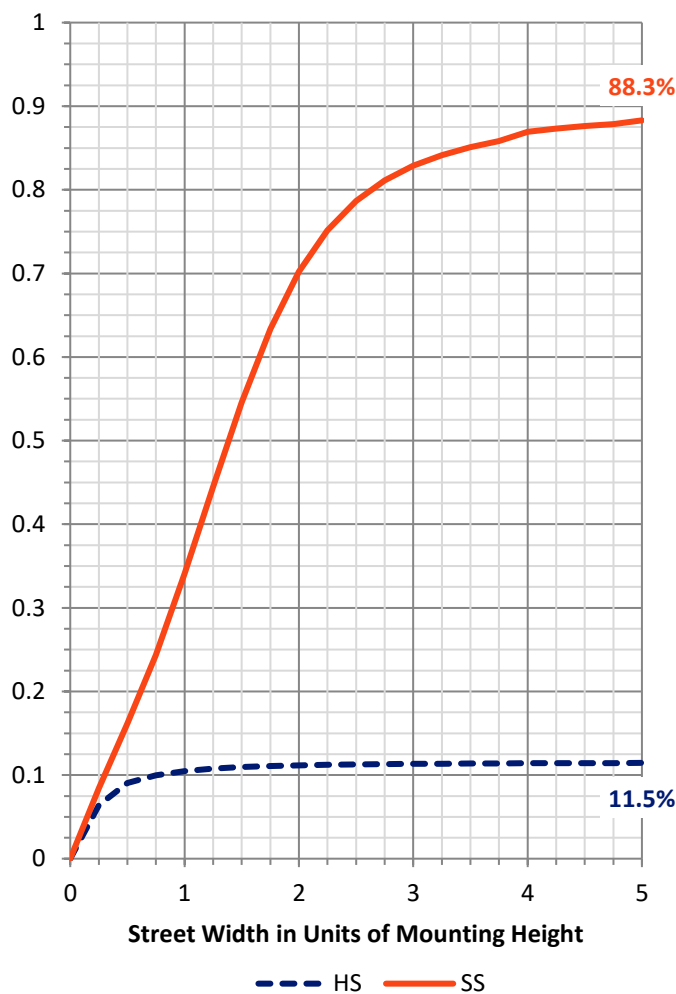
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	249.1	0.0	249.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1894.6	0.0	1894.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	2143.7	0.0	2143.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.4
10°-20°	32.9	1.5
20°-30°	74.3	3.5
30°-40°	128.1	6.0
40°-50°	241.6	11.3
50°-60°	539.4	25.2
60°-70°	721.4	33.7
70°-80°	361.8	16.9
80°-90°	34.7	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°	2143.7	100.0
0°-180°	2143.7	100.0

Coefficient of Utilization



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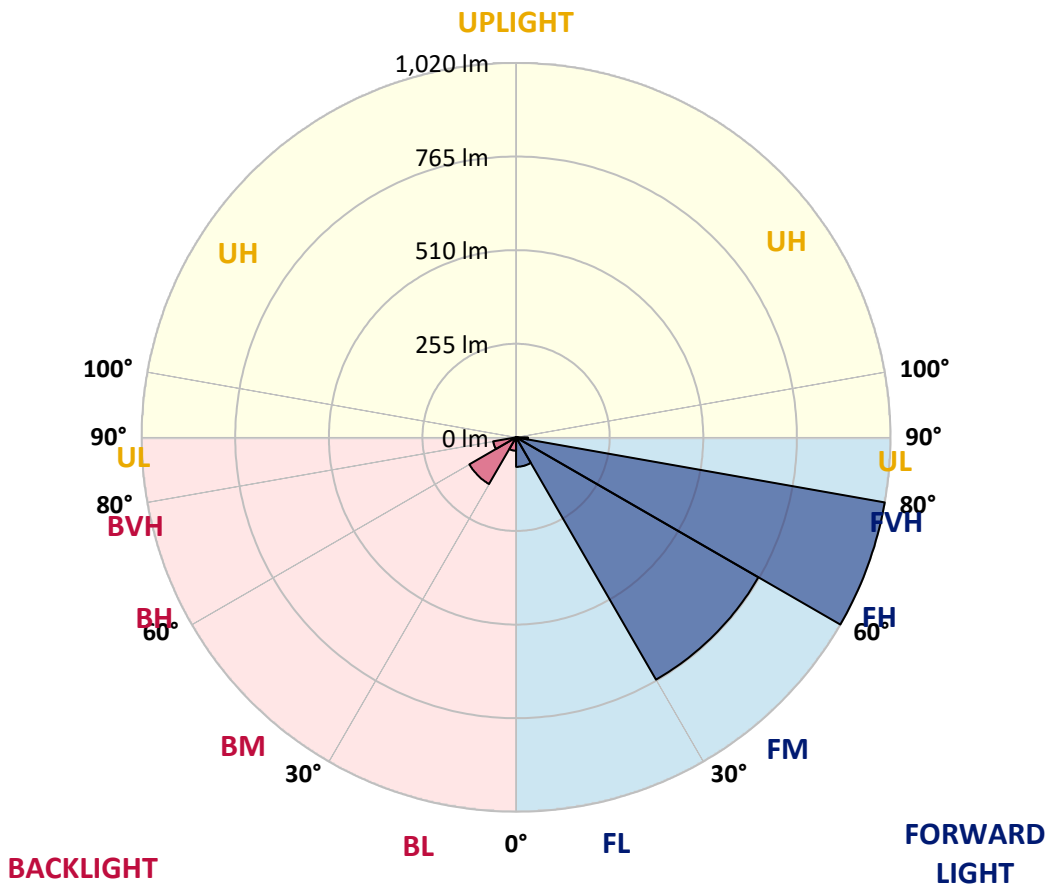
CATALOG NUMBER: GWS-SA1C-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.3	3.7			
FM (30°-60°)	762.1	35.6			
FH (60°-80°)	1019.8	47.6			G1/1800
FVH (80°-90°)	32.4	1.5			G1/100
BL (0°-30°)	36.6	1.7	B0/110		
BM (30°-60°)	146.9	6.9	B0/220		
BH (60°-80°)	63.3	3.0	B0/110		G0/110
BVH (80°-90°)	2.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
2.5°	109.9	109.7	109.1	107.6	106.4	105.6	104.1	104.1	103.8	103.3	102.3
5°	106.4	105.3	104.3	101.5	98.5	96.7	94.7	94.4	94.4	93.9	93.7
7.5°	100.8	99.8	98.5	93.9	91.1	89.3	87.6	87.3	86.6	86.6	86.6
10°	97.7	96.2	94.2	89.1	86.3	84.8	83.5	82.7	82.2	81.5	81.2
12.5°	104.3	101.5	97.2	88.1	84.3	82.2	80.7	80.2	78.7	77.7	76.9
15°	124.9	118.0	109.4	90.4	83.5	80.5	78.4	77.4	76.1	74.4	73.1
17.5°	158.6	148.7	134.3	97.7	82.7	78.9	76.4	74.6	72.8	70.8	69.3
20°	205.3	190.6	173.4	111.2	82.7	77.2	74.1	71.8	69.3	67.0	65.2
22.5°	264.7	250.0	220.6	134.0	83.8	74.9	71.3	68.3	65.2	63.2	61.2
25°	331.2	310.4	283.0	161.7	86.6	71.8	68.0	65.0	62.2	59.6	57.4
27.5°	405.4	382.8	346.2	201.0	92.6	68.8	64.5	61.7	59.1	56.6	53.6
30°	473.6	460.2	422.9	248.2	102.5	66.8	61.7	59.1	56.6	53.3	50.5
32.5°	555.6	531.8	501.1	302.1	115.7	64.7	59.4	55.8	53.8	50.8	47.7
35°	638.1	617.8	577.5	368.3	130.5	62.7	56.6	53.3	51.5	48.0	44.7
37.5°	723.1	718.6	678.7	441.7	144.9	60.4	53.3	51.3	49.5	45.4	41.6
40°	806.9	798.5	761.7	525.4	153.8	57.9	50.5	49.2	47.2	42.6	38.3
42.5°	887.1	880.8	845.0	605.6	152.5	55.6	47.7	46.2	44.7	40.1	34.8
45°	985.6	975.2	930.0	665.0	139.6	58.1	44.9	42.4	42.1	37.8	31.2
47.5°	1169.9	1135.6	1059.0	710.7	126.7	64.7	41.9	38.8	40.6	35.5	27.7
50°	1428.0	1387.7	1276.7	746.2	126.4	73.4	41.4	35.5	39.3	33.8	24.6
52.5°	1687.4	1616.4	1481.6	765.3	135.8	79.7	45.9	32.2	37.8	32.0	22.3
55°	1935.9	1788.5	1567.4	702.3	143.2	86.6	54.3	30.5	35.0	30.0	21.1
57.5°	2172.7	1926.8	1604.7	555.6	167.8	89.3	59.4	31.2	31.0	27.4	20.1
60°	2205.2	1920.2	1529.3	323.1	185.0	84.5	57.4	34.8	27.2	24.4	18.3
62.5°	2082.4	1792.5	1357.5	201.5	171.8	82.7	51.0	39.6	24.6	21.6	16.0
65°	1895.8	1592.2	1131.8	130.0	130.2	91.9	44.7	38.8	23.1	19.0	13.7
67.5°	1604.2	1332.6	891.7	87.1	73.6	78.4	39.1	26.7	22.6	16.2	10.7
70°	1170.9	948.5	580.5	58.1	43.9	62.7	32.7	19.0	21.3	13.5	7.6
72.5°	855.9	637.4	324.1	38.1	24.9	36.6	24.1	13.7	16.5	9.9	5.3
75°	616.0	438.6	185.0	24.4	16.5	20.1	15.7	9.4	10.7	7.9	4.8
77.5°	296.5	213.7	84.0	13.5	11.2	10.2	8.4	5.8	6.6	7.1	4.3
80°	11.2	8.4	6.3	6.6	7.1	4.6	3.8	3.0	3.8	4.8	2.3
82.5°	0.0	0.0	0.0	0.8	1.0	1.3	1.5	1.3	1.5	1.8	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
2.5°	103.1	102.5	103.1	103.6	104.1	104.6	103.8	104.3	104.8	103.6	104.1
5°	94.9	94.7	96.2	97.0	98.0	98.5	98.0	98.0	97.7	96.2	96.2
7.5°	87.8	88.1	89.3	91.1	92.4	93.2	92.6	92.4	91.6	89.3	89.3
10°	82.5	82.5	84.5	86.0	87.8	88.6	88.1	87.3	86.6	84.3	84.0
12.5°	78.2	78.2	79.7	82.2	84.3	85.3	85.0	84.0	82.7	80.5	80.2
15°	74.1	73.9	76.1	78.4	81.2	82.5	82.0	81.2	78.9	76.9	76.4
17.5°	70.1	69.8	71.8	74.9	77.9	79.7	79.4	77.7	75.6	73.1	72.6
20°	66.0	65.5	68.0	71.1	74.1	75.9	75.4	73.9	71.3	68.8	68.3
22.5°	61.9	61.7	63.5	66.0	68.8	70.3	70.1	68.8	66.2	64.0	64.0
25°	57.4	57.4	58.6	60.4	62.4	63.2	63.5	62.9	61.4	60.2	60.2
27.5°	53.6	52.8	53.3	53.8	54.8	56.1	56.1	56.6	56.9	56.3	56.6
30°	50.5	49.2	48.5	47.5	47.0	47.5	48.0	49.7	51.5	52.5	53.0
32.5°	47.0	45.4	43.4	40.6	38.8	38.3	39.9	43.2	46.4	48.7	50.0
35°	43.4	41.4	37.6	33.5	31.2	30.5	32.2	36.0	40.9	44.9	46.7
37.5°	39.9	37.1	31.7	26.9	24.4	23.9	25.6	29.7	35.3	40.9	43.2
40°	35.8	32.5	26.1	21.1	19.0	18.5	20.1	24.1	30.0	36.3	39.9
42.5°	31.7	27.7	21.1	16.8	14.7	14.7	16.8	19.8	25.1	32.0	36.3
45°	27.7	23.4	17.3	13.5	12.2	12.4	13.7	16.8	21.1	28.2	32.2
47.5°	23.9	20.1	14.2	11.2	10.2	10.4	11.9	14.5	18.0	24.4	28.7
50°	20.6	17.0	12.4	9.4	8.6	9.1	10.7	12.9	16.0	21.6	25.1
52.5°	18.5	15.2	11.4	8.1	7.6	8.1	9.6	11.7	14.5	19.0	22.6
55°	17.5	15.0	11.4	7.4	6.6	7.1	8.6	10.7	12.9	17.3	20.3
57.5°	17.3	15.5	12.2	6.6	5.6	6.1	7.6	9.6	11.9	15.7	18.3
60°	16.2	14.7	11.9	5.3	4.3	5.1	6.3	8.4	10.9	14.7	17.0
62.5°	14.2	12.9	10.4	4.3	3.3	3.8	5.3	7.4	9.9	13.5	16.0
65°	11.7	10.4	8.1	2.8	2.0	2.5	4.1	6.3	8.6	12.2	14.5
67.5°	8.6	7.4	5.6	1.8	1.0	1.8	3.3	5.3	7.9	10.9	13.2
70°	5.3	4.3	3.0	1.0	0.8	1.5	3.0	5.1	7.1	10.2	12.4
72.5°	3.0	2.0	1.3	0.5	0.8	1.5	3.0	5.1	6.9	9.6	11.7
75°	2.3	1.3	0.5	0.3	0.5	1.3	2.8	4.6	6.6	9.1	11.2
77.5°	1.5	0.8	0.3	0.0	0.3	1.0	2.5	4.3	6.1	8.6	10.7
80°	0.3	0.0	0.0	0.0	0.0	0.8	2.3	3.8	5.6	7.6	9.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.8	3.3	4.8	6.3	7.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	3.8	4.8	5.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.0	3.6
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°	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
2.5°	103.8	105.3	105.3	106.4	107.6	109.9	111.2	113.0	114.2	115.5	116.0
5°	95.9	96.2	96.5	97.0	98.5	101.0	103.3	106.1	109.4	111.9	113.5
7.5°	89.3	89.3	89.3	90.1	91.6	93.4	95.7	99.5	103.3	106.4	108.9
10°	83.8	84.5	84.8	86.0	87.8	90.1	92.6	95.9	100.3	104.3	108.9
12.5°	80.2	81.0	82.2	83.5	85.3	87.8	90.6	94.9	103.8	112.2	121.8
15°	76.9	77.9	79.4	81.2	83.3	86.0	89.1	98.0	118.8	134.5	149.8
17.5°	73.4	74.9	76.9	78.7	81.2	84.3	88.1	105.3	146.2	172.3	198.2
20°	68.8	70.8	73.1	75.9	78.9	82.5	88.1	120.6	185.8	223.4	257.6
22.5°	64.5	66.5	69.3	72.8	76.4	80.0	89.3	143.7	236.8	284.3	327.7
25°	60.9	63.5	66.2	69.3	73.4	77.4	92.4	176.2	298.2	359.4	390.1
27.5°	57.6	60.7	63.5	66.0	69.5	74.1	99.2	219.6	370.8	433.0	457.1
30°	54.3	57.9	60.7	63.2	66.8	71.6	109.7	274.9	451.6	512.0	514.5
32.5°	51.5	54.8	58.1	60.7	64.0	69.5	124.1	339.6	534.3	592.7	568.8
35°	48.5	52.3	55.3	58.1	61.7	67.8	140.9	409.4	617.8	666.8	622.9
37.5°	45.4	49.7	53.6	55.6	59.1	66.0	153.1	482.3	703.1	739.1	670.4
40°	42.6	47.5	51.8	53.8	55.6	63.7	154.8	556.9	789.6	810.5	715.0
42.5°	39.6	44.9	48.7	51.5	53.0	62.2	144.2	619.8	862.2	881.5	773.4
45°	36.3	42.6	45.7	47.7	50.8	63.2	130.5	668.6	945.2	978.5	869.6
47.5°	33.0	40.1	42.6	44.2	48.2	69.3	125.4	701.1	1082.1	1151.1	1031.8
50°	30.0	37.8	40.6	40.4	47.7	77.2	131.0	725.7	1287.7	1368.9	1254.1
52.5°	26.7	35.3	38.6	37.6	51.5	83.3	142.1	745.2	1445.8	1624.2	1552.9
55°	23.9	32.5	35.5	35.3	58.6	87.8	150.8	642.2	1511.3	1861.6	1889.5
57.5°	21.8	29.4	32.0	36.3	63.2	87.8	174.4	455.9	1512.5	2036.2	2336.2
60°	20.1	26.7	28.4	39.9	61.4	83.3	172.6	279.2	1394.0	2024.3	2573.8
62.5°	18.5	24.1	26.4	40.9	54.3	82.5	155.8	173.1	1188.9	1870.2	2401.4
65°	17.3	22.1	25.4	37.6	49.2	88.3	105.1	124.4	964.3	1694.5	2203.7
67.5°	16.0	20.3	26.9	30.7	44.7	78.9	75.9	88.3	756.9	1501.9	2022.2
70°	15.0	19.3	28.4	25.1	39.1	61.7	53.8	67.0	579.5	1253.1	1766.6
72.5°	14.2	18.0	23.9	19.8	31.7	47.7	37.6	48.7	378.7	978.2	1440.2
75°	13.5	16.5	17.5	16.0	23.6	31.2	28.4	32.7	225.7	715.0	1092.7
77.5°	13.2	15.5	14.2	12.9	16.0	18.5	21.6	22.1	110.2	357.6	572.6
80°	11.7	14.0	12.2	10.7	10.9	12.2	16.0	14.7	25.1	90.9	152.8
82.5°	9.1	10.9	10.2	8.9	8.9	8.9	10.7	9.9	8.1	40.9	69.0
85°	6.3	7.6	7.6	7.1	6.9	6.9	6.6	6.3	2.3	2.5	3.8
87.5°	4.3	5.3	5.6	5.3	4.6	4.1	3.6	3.0	1.0	0.0	0.5
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°	358°	360°
0°	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
2.5°	117.8	118.5	118.5	117.5	116.8	114.7	112.7	110.7	110.2	109.9
5°	117.8	120.8	122.3	122.1	120.3	117.0	112.7	108.1	106.9	106.4
7.5°	116.0	121.8	126.4	127.2	123.9	118.0	110.2	103.3	101.5	100.8
10°	120.1	131.5	140.6	141.9	138.1	126.7	114.0	102.3	99.5	97.7
12.5°	141.9	160.7	171.8	177.2	169.8	155.3	134.3	113.5	107.1	104.3
15°	186.1	212.7	234.0	234.0	227.2	201.5	174.9	141.1	132.5	124.9
17.5°	242.7	276.2	294.9	292.9	282.5	264.5	232.5	184.0	166.5	158.6
20°	307.1	327.2	331.5	330.2	325.7	315.3	293.2	241.1	217.5	205.3
22.5°	363.0	357.6	351.3	346.2	344.9	348.0	344.9	304.8	286.3	264.7
25°	400.8	370.6	351.5	342.4	346.7	364.2	383.3	368.3	353.6	331.2
27.5°	421.3	369.1	341.6	332.3	339.6	364.5	405.9	431.2	416.0	405.4
30°	432.5	367.8	335.3	326.2	337.3	368.6	421.6	490.1	490.6	473.6
32.5°	448.5	375.9	336.6	328.2	343.2	380.7	441.4	550.0	564.8	555.6
35°	466.5	388.4	342.4	334.8	353.3	397.0	463.5	610.4	641.2	638.1
37.5°	483.5	402.3	356.1	348.8	368.8	410.9	484.8	669.8	712.5	723.1
40°	501.3	421.9	398.3	405.4	416.5	433.0	503.8	721.4	790.9	806.9
42.5°	543.2	489.6	525.7	539.1	540.6	506.6	545.5	787.4	868.1	887.1
45°	636.6	610.2	713.5	732.5	722.6	619.6	645.7	882.5	976.0	985.6
47.5°	754.6	766.8	970.6	1036.4	977.0	752.8	767.3	1082.8	1173.4	1169.9
50°	892.2	949.8	1262.5	1417.6	1275.5	926.0	907.4	1329.0	1438.9	1428.0
52.5°	1054.9	1162.5	1613.3	1833.6	1699.1	1120.6	1113.0	1655.2	1722.2	1687.4
55°	1259.7	1367.9	2016.9	2324.8	2133.4	1358.2	1384.4	2033.4	2046.3	1935.9
57.5°	1565.3	1635.6	2492.6	2888.0	2586.7	1681.1	1870.7	2536.7	2381.9	2172.7
60°	2120.2	1980.1	2952.2	3464.2	3069.0	2135.2	2512.1	2835.0	2493.6	2205.2
62.5°	2313.4	2272.5	3240.1	3707.9	3393.4	2508.0	2678.9	2665.9	2348.9	2082.4
65°	2020.7	2199.6	3188.5	3579.2	3351.8	2446.6	2404.0	2479.4	2185.9	1895.8
67.5°	1866.6	2028.6	2993.4	3224.1	3121.0	2238.2	2142.8	2122.2	1835.2	1604.2
70°	1711.3	1871.7	2710.3	2739.0	2691.1	1898.6	1773.2	1635.4	1371.7	1170.9
72.5°	1524.5	1612.8	2317.7	2181.6	2127.3	1491.2	1464.8	1231.6	1028.2	855.9
75°	1329.5	1303.9	1807.0	1497.3	1537.9	1160.2	1237.1	904.4	753.4	616.0
77.5°	967.1	948.0	1210.2	909.5	1007.2	760.0	682.8	360.9	343.7	296.5
80°	539.6	650.6	653.6	509.7	635.8	495.5	170.8	11.9	7.6	11.2
82.5°	250.8	279.7	354.3	236.3	362.7	245.4	35.3	0.0	0.0	0.0
85°	81.2	118.8	99.5	34.8	87.8	83.0	5.8	0.0	0.0	0.0
87.5°	4.8	9.9	2.5	0.0	0.0	0.0	0.0	0.0	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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