

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: P634081

Luminaire Tested: GWS-SA3B-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634081
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-SA3B-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4638.9 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

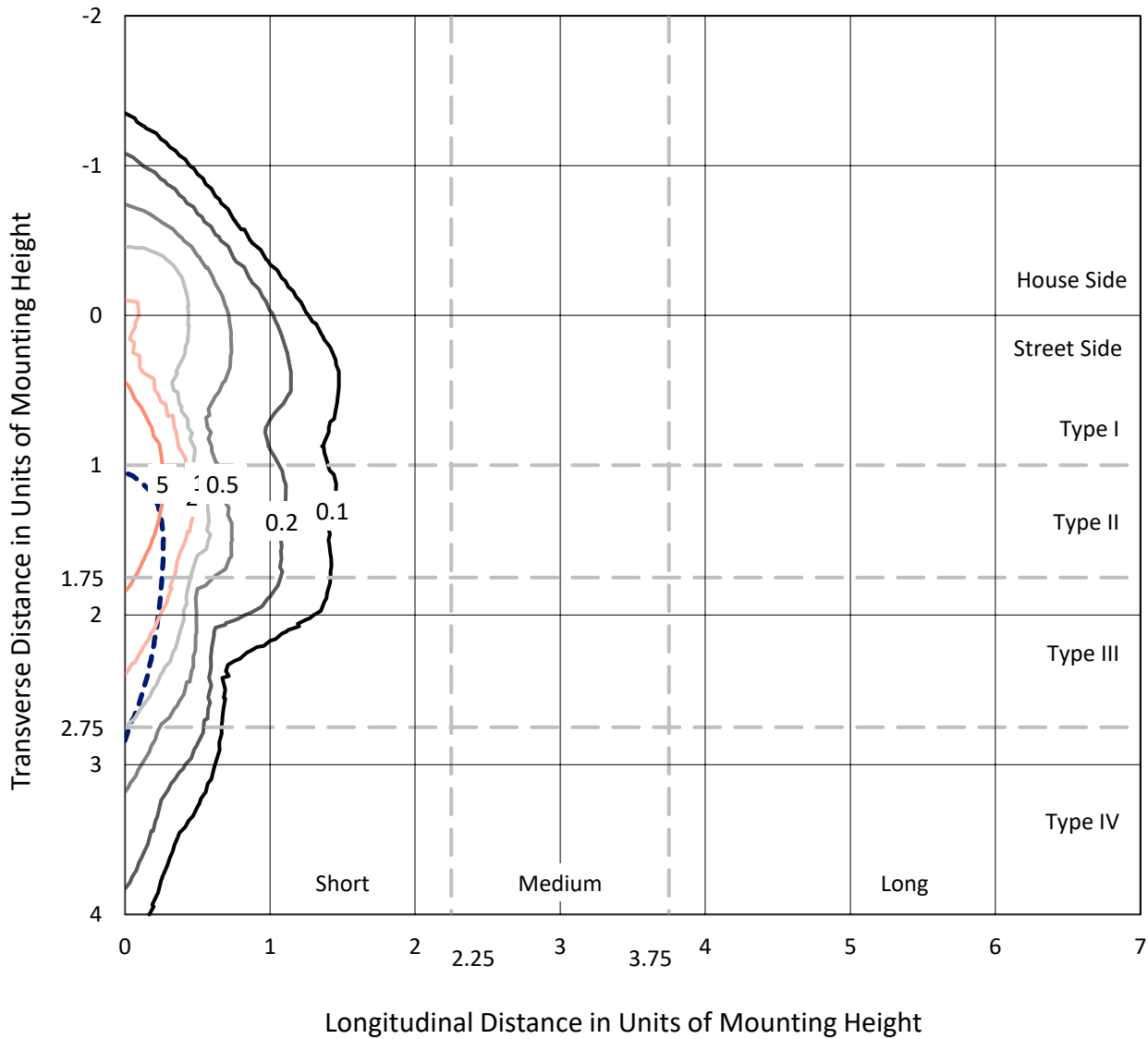
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

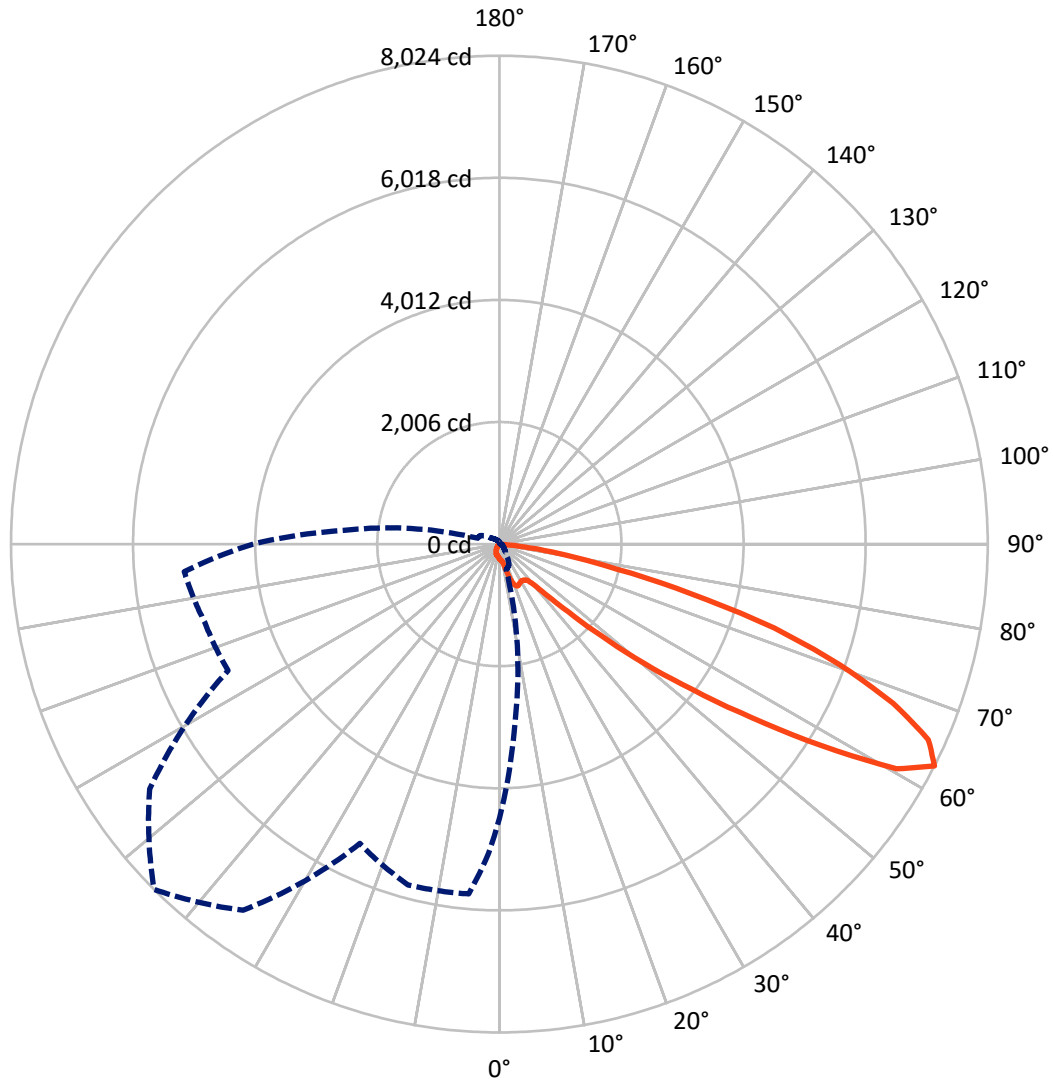
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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	539.0	0.0	539.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	4099.9	0.0	4099.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	4638.9	0.0	4638.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.4
10°-20°	71.2	1.5
20°-30°	160.9	3.5
30°-40°	277.1	6.0
40°-50°	522.8	11.3
50°-60°	1167.2	25.2
60°-70°	1561.1	33.7
70°-80°	782.8	16.9
80°-90°	75.0	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°	4638.9	100.0
0°-180°	4638.9	100.0

Coefficient of Utilization



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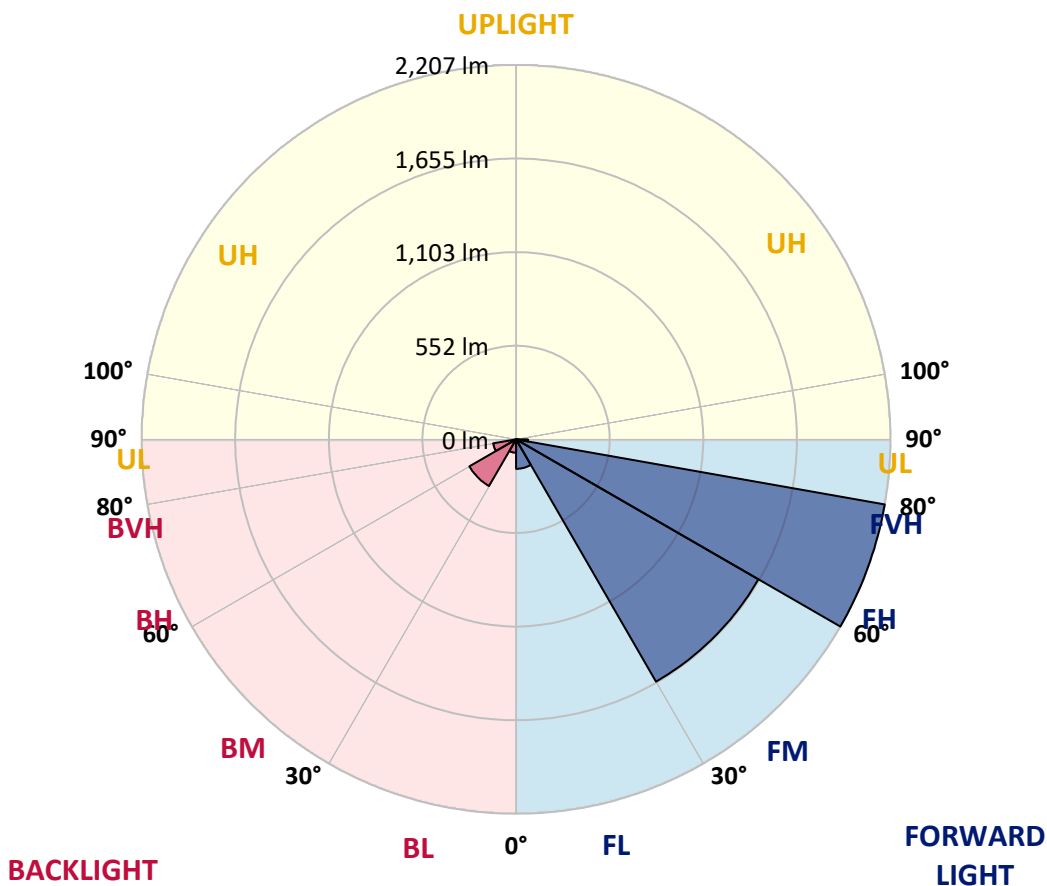
CATALOG NUMBER: GWS-SA3B-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.7	3.7			
FM (30°-60°)	1649.3	35.6			
FH (60°-80°)	2206.9	47.6			G2/5000
FVH (80°-90°)	70.0	1.5			G1/100
BL (0°-30°)	79.1	1.7	B0/110		
BM (30°-60°)	317.8	6.9	B1/1000		
BH (60°-80°)	137.1	3.0	B1/500		G1/500
BVH (80°-90°)	5.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	237.8	237.3	236.2	232.9	230.1	228.5	225.2	225.2	224.7	223.6	221.4
5°	230.1	227.9	225.7	219.7	213.1	209.3	204.9	204.3	204.3	203.2	202.7
7.5°	218.1	215.9	213.1	203.2	197.2	193.3	189.5	188.9	187.3	187.3	187.3
10°	211.5	208.2	203.8	192.8	186.8	183.5	180.7	179.1	178.0	176.3	175.8
12.5°	225.7	219.7	210.4	190.6	182.4	178.0	174.7	173.6	170.3	168.1	166.4
15°	270.2	255.4	236.7	195.5	180.7	174.1	169.7	167.5	164.8	160.9	158.2
17.5°	343.3	321.9	290.6	211.5	179.1	170.8	165.3	161.5	157.6	153.2	150.0
20°	444.4	412.5	375.2	240.6	179.1	167.0	160.4	155.4	150.0	145.0	141.2
22.5°	572.9	541.0	477.3	290.0	181.3	162.0	154.3	147.8	141.2	136.8	132.4
25°	716.8	671.8	612.4	349.9	187.3	155.4	147.2	140.6	134.6	129.1	124.1
27.5°	877.2	828.3	749.2	435.0	200.5	148.9	139.5	133.5	128.0	122.5	115.9
30°	1024.9	995.8	915.1	537.2	221.9	144.5	133.5	128.0	122.5	115.3	109.3
32.5°	1202.4	1150.7	1084.3	653.6	250.5	140.1	128.5	120.8	116.4	109.9	103.3
35°	1380.9	1336.9	1249.6	797.0	282.3	135.7	122.5	115.3	111.5	103.8	96.7
37.5°	1564.9	1555.0	1468.7	955.7	313.6	130.7	115.3	111.0	107.1	98.3	90.1
40°	1746.1	1728.0	1648.4	1137.0	332.9	125.2	109.3	106.6	102.2	92.3	82.9
42.5°	1919.7	1906.0	1828.5	1310.6	330.1	120.3	103.3	100.0	96.7	86.8	75.2
45°	2132.8	2110.3	2012.5	1439.1	302.1	125.8	97.2	91.7	91.2	81.8	67.6
47.5°	2531.6	2457.4	2291.6	1538.0	274.1	140.1	90.6	84.0	87.9	76.9	59.9
50°	3090.2	3002.9	2762.8	1614.9	273.5	158.7	89.5	76.9	85.1	73.1	53.3
52.5°	3651.5	3497.7	3206.1	1656.0	293.9	172.5	99.4	69.8	81.8	69.2	48.3
55°	4189.3	3870.2	3391.7	1519.8	309.8	187.3	117.5	65.9	75.8	64.8	45.6
57.5°	4701.7	4169.5	3472.5	1202.4	363.1	193.3	128.5	67.6	67.0	59.3	43.4
60°	4772.1	4155.2	3309.3	699.2	400.4	182.9	124.1	75.2	58.8	52.7	39.5
62.5°	4506.2	3878.9	2937.5	436.1	371.9	179.1	110.4	85.7	53.3	46.7	34.6
65°	4102.5	3445.6	2449.2	281.2	281.8	198.8	96.7	84.0	50.0	41.2	29.7
67.5°	3471.4	2883.7	1929.6	188.4	159.3	169.7	84.6	57.7	48.9	35.2	23.1
70°	2533.8	2052.6	1256.2	125.8	95.0	135.7	70.9	41.2	46.1	29.1	16.5
72.5°	1852.1	1379.2	701.4	82.4	53.8	79.1	52.2	29.7	35.7	21.4	11.5
75°	1333.1	949.1	400.4	52.7	35.7	43.4	34.1	20.3	23.1	17.0	10.4
77.5°	641.5	462.5	181.8	29.1	24.2	22.0	18.1	12.6	14.3	15.4	9.3
80°	24.2	18.1	13.7	14.3	15.4	9.9	8.2	6.6	8.2	10.4	4.9
82.5°	0.0	0.0	0.0	1.6	2.2	2.7	3.3	2.7	3.3	3.8	0.5
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°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	223.0	221.9	223.0	224.1	225.2	226.3	224.7	225.7	226.8	224.1	225.2
5°	205.4	204.9	208.2	209.8	212.0	213.1	212.0	212.0	211.5	208.2	208.2
7.5°	190.0	190.6	193.3	197.2	199.9	201.6	200.5	199.9	198.3	193.3	193.3
10°	178.5	178.5	182.9	186.2	190.0	191.7	190.6	188.9	187.3	182.4	181.8
12.5°	169.2	169.2	172.5	178.0	182.4	184.6	184.0	181.8	179.1	174.1	173.6
15°	160.4	159.8	164.8	169.7	175.8	178.5	177.4	175.8	170.8	166.4	165.3
17.5°	151.6	151.0	155.4	162.0	168.6	172.5	171.9	168.1	163.7	158.2	157.1
20°	142.8	141.7	147.2	153.8	160.4	164.2	163.1	159.8	154.3	148.9	147.8
22.5°	134.0	133.5	137.3	142.8	148.9	152.1	151.6	148.9	143.4	138.4	138.4
25°	124.1	124.1	126.9	130.7	135.1	136.8	137.3	136.2	132.9	130.2	130.2
27.5°	115.9	114.2	115.3	116.4	118.6	121.4	121.4	122.5	123.0	121.9	122.5
30°	109.3	106.6	104.9	102.7	101.6	102.7	103.8	107.7	111.5	113.7	114.8
32.5°	101.6	98.3	93.9	87.9	84.0	82.9	86.2	93.4	100.5	105.5	108.2
35°	93.9	89.5	81.3	72.5	67.6	65.9	69.8	78.0	88.4	97.2	101.1
37.5°	86.2	80.2	68.7	58.2	52.7	51.6	55.5	64.3	76.3	88.4	93.4
40°	77.4	70.3	56.6	45.6	41.2	40.1	43.4	52.2	64.8	78.5	86.2
42.5°	68.7	59.9	45.6	36.3	31.9	31.9	36.3	42.8	54.4	69.2	78.5
45°	59.9	50.5	37.4	29.1	26.4	26.9	29.7	36.3	45.6	61.0	69.8
47.5°	51.6	43.4	30.8	24.2	22.0	22.5	25.8	31.3	39.0	52.7	62.1
50°	44.5	36.8	26.9	20.3	18.7	19.8	23.1	28.0	34.6	46.7	54.4
52.5°	40.1	33.0	24.7	17.6	16.5	17.6	20.9	25.3	31.3	41.2	48.9
55°	37.9	32.4	24.7	15.9	14.3	15.4	18.7	23.1	28.0	37.4	43.9
57.5°	37.4	33.5	26.4	14.3	12.1	13.2	16.5	20.9	25.8	34.1	39.5
60°	35.2	31.9	25.8	11.5	9.3	11.0	13.7	18.1	23.6	31.9	36.8
62.5°	30.8	28.0	22.5	9.3	7.1	8.2	11.5	15.9	21.4	29.1	34.6
65°	25.3	22.5	17.6	6.0	4.4	5.5	8.8	13.7	18.7	26.4	31.3
67.5°	18.7	15.9	12.1	3.8	2.2	3.8	7.1	11.5	17.0	23.6	28.6
70°	11.5	9.3	6.6	2.2	1.6	3.3	6.6	11.0	15.4	22.0	26.9
72.5°	6.6	4.4	2.7	1.1	1.6	3.3	6.6	11.0	14.8	20.9	25.3
75°	4.9	2.7	1.1	0.5	1.1	2.7	6.0	9.9	14.3	19.8	24.2
77.5°	3.3	1.6	0.5	0.0	0.5	2.2	5.5	9.3	13.2	18.7	23.1
80°	0.5	0.0	0.0	0.0	0.0	1.6	4.9	8.2	12.1	16.5	20.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.8	7.1	10.4	13.7	16.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.5	8.2	10.4	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.5	6.6	7.7
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°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	224.7	227.9	227.9	230.1	232.9	237.8	240.6	244.4	247.2	249.9	251.0
5°	207.6	208.2	208.7	209.8	213.1	218.6	223.6	229.6	236.7	242.2	245.5
7.5°	193.3	193.3	193.3	195.0	198.3	202.1	207.1	215.3	223.6	230.1	235.6
10°	181.3	182.9	183.5	186.2	190.0	195.0	200.5	207.6	217.0	225.7	235.6
12.5°	173.6	175.2	178.0	180.7	184.6	190.0	196.1	205.4	224.7	242.8	263.6
15°	166.4	168.6	171.9	175.8	180.2	186.2	192.8	212.0	257.1	291.1	324.1
17.5°	158.7	162.0	166.4	170.3	175.8	182.4	190.6	227.9	316.4	373.0	429.0
20°	148.9	153.2	158.2	164.2	170.8	178.5	190.6	260.9	402.1	483.4	557.5
22.5°	139.5	143.9	150.0	157.6	165.3	173.0	193.3	310.9	512.5	615.2	709.1
25°	131.8	137.3	143.4	150.0	158.7	167.5	199.9	381.2	645.4	777.8	844.2
27.5°	124.7	131.3	137.3	142.8	150.5	160.4	214.8	475.1	802.5	937.1	989.2
30°	117.5	125.2	131.3	136.8	144.5	154.9	237.3	594.9	977.2	1107.9	1113.4
32.5°	111.5	118.6	125.8	131.3	138.4	150.5	268.6	734.9	1156.2	1282.5	1230.9
35°	104.9	113.1	119.7	125.8	133.5	146.7	304.8	886.0	1336.9	1442.9	1347.9
37.5°	98.3	107.7	115.9	120.3	128.0	142.8	331.2	1043.6	1521.5	1599.5	1450.6
40°	92.3	102.7	112.1	116.4	120.3	137.9	335.1	1205.1	1708.8	1753.8	1547.3
42.5°	85.7	97.2	105.5	111.5	114.8	134.6	312.0	1341.3	1865.9	1907.6	1673.6
45°	78.5	92.3	98.9	103.3	109.9	136.8	282.3	1446.8	2045.5	2117.4	1881.8
47.5°	71.4	86.8	92.3	95.6	104.4	150.0	271.3	1517.1	2341.5	2490.9	2232.8
50°	64.8	81.8	87.9	87.3	103.3	167.0	283.4	1570.4	2786.4	2962.2	2713.9
52.5°	57.7	76.3	83.5	81.3	111.5	180.2	307.6	1612.7	3128.6	3514.8	3360.4
55°	51.6	70.3	76.9	76.3	126.9	190.0	326.3	1389.7	3270.4	4028.3	4088.8
57.5°	47.2	63.7	69.2	78.5	136.8	190.0	377.3	986.5	3273.1	4406.2	5055.5
60°	43.4	57.7	61.5	86.2	132.9	180.2	373.5	604.2	3016.6	4380.4	5569.6
62.5°	40.1	52.2	57.1	88.4	117.5	178.5	337.3	374.6	2572.8	4047.0	5196.6
65°	37.4	47.8	54.9	81.3	106.6	191.1	227.4	269.1	2086.7	3666.9	4768.8
67.5°	34.6	43.9	58.2	66.5	96.7	170.8	164.2	191.1	1637.9	3250.0	4376.0
70°	32.4	41.7	61.5	54.4	84.6	133.5	116.4	145.0	1254.0	2711.7	3822.9
72.5°	30.8	39.0	51.6	42.8	68.7	103.3	81.3	105.5	819.5	2116.9	3116.6
75°	29.1	35.7	37.9	34.6	51.1	67.6	61.5	70.9	488.3	1547.3	2364.6
77.5°	28.6	33.5	30.8	28.0	34.6	40.1	46.7	47.8	238.4	773.9	1239.2
80°	25.3	30.2	26.4	23.1	23.6	26.4	34.6	31.9	54.4	196.6	330.7
82.5°	19.8	23.6	22.0	19.2	19.2	19.2	23.1	21.4	17.6	88.4	149.4
85°	13.7	16.5	16.5	15.4	14.8	14.8	14.3	13.7	4.9	5.5	8.2
87.5°	9.3	11.5	12.1	11.5	9.9	8.8	7.7	6.6	2.2	0.0	1.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6
2.5°	254.9	256.5	256.5	254.3	252.7	248.3	243.9	239.5	238.4	237.8
5°	254.9	261.5	264.7	264.2	260.4	253.2	243.9	234.0	231.2	230.1
7.5°	251.0	263.6	273.5	275.2	268.0	255.4	238.4	223.6	219.7	218.1
10°	259.8	284.5	304.3	307.0	298.8	274.1	246.6	221.4	215.3	211.5
12.5°	307.0	347.7	371.9	383.4	367.5	336.2	290.6	245.5	231.8	225.7
15°	402.6	460.3	506.4	506.4	491.6	436.1	378.4	305.4	286.7	270.2
17.5°	525.1	597.6	638.3	633.9	611.3	572.3	503.1	398.2	360.3	343.3
20°	664.6	708.0	717.3	714.6	704.7	682.2	634.4	521.8	470.7	444.4
22.5°	785.5	773.9	760.2	749.2	746.5	753.0	746.5	659.7	619.6	572.9
25°	867.3	801.9	760.7	741.0	750.3	788.2	829.4	797.0	765.1	716.8
27.5°	911.8	798.6	739.3	719.0	734.9	788.8	878.3	933.2	900.3	877.2
30°	936.0	795.9	725.6	705.8	730.0	797.5	912.3	1060.6	1061.7	1024.9
32.5°	970.6	813.5	728.3	710.2	742.6	823.9	955.2	1190.3	1222.1	1202.4
35°	1009.6	840.4	741.0	724.5	764.6	859.1	1003.0	1321.0	1387.5	1380.9
37.5°	1046.4	870.6	770.6	754.7	798.1	889.3	1049.1	1449.5	1541.8	1564.9
40°	1084.8	912.9	861.8	877.2	901.4	937.1	1090.3	1561.0	1711.5	1746.1
42.5°	1175.4	1059.5	1137.5	1166.6	1169.9	1096.3	1180.4	1703.8	1878.5	1919.7
45°	1377.6	1320.4	1544.0	1585.2	1563.8	1340.8	1397.3	1909.8	2111.9	2132.8
47.5°	1633.0	1659.3	2100.4	2242.7	2114.1	1629.1	1660.4	2343.2	2539.3	2531.6
50°	1930.7	2055.4	2732.1	3067.7	2760.1	2003.7	1963.6	2876.0	3113.8	3090.2
52.5°	2282.8	2515.7	3491.2	3967.9	3676.8	2425.0	2408.5	3581.8	3726.8	3651.5
55°	2726.0	2960.0	4364.5	5030.8	4616.6	2939.1	2995.7	4400.2	4428.2	4189.3
57.5°	3387.3	3539.5	5393.8	6249.6	5597.6	3637.8	4048.1	5489.4	5154.3	4701.7
60°	4588.0	4284.9	6388.6	7496.4	6641.2	4620.5	5436.1	6134.8	5396.0	4772.1
62.5°	5006.0	4917.6	7011.4	8023.7	7343.2	5427.3	5797.0	5769.0	5082.9	4506.2
65°	4372.7	4760.0	6899.9	7745.2	7253.1	5294.4	5202.1	5365.3	4730.3	4102.5
67.5°	4039.3	4389.8	6477.5	6976.8	6753.8	4843.5	4636.9	4592.4	3971.2	3471.4
70°	3703.2	4050.3	5865.1	5927.2	5823.4	4108.5	3837.2	3538.9	2968.3	2533.8
72.5°	3298.9	3490.1	5015.4	4721.0	4603.4	3227.0	3169.8	2665.1	2225.1	1852.1
75°	2877.1	2821.6	3910.2	3240.1	3328.0	2510.7	2677.1	1957.0	1630.2	1333.1
77.5°	2092.7	2051.5	2618.9	1968.0	2179.5	1644.5	1477.5	781.1	743.7	641.5
80°	1167.7	1407.8	1414.4	1102.9	1375.9	1072.2	369.7	25.8	16.5	24.2
82.5°	542.7	605.3	766.8	511.4	784.9	531.1	76.3	0.0	0.0	0.0
85°	175.8	257.1	215.3	75.2	190.0	179.6	12.6	0.0	0.0	0.0
87.5°	10.4	21.4	5.5	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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