

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: P641506

Luminaire Tested: GWS-SA6B-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641506
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-SA6B-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9442.7 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

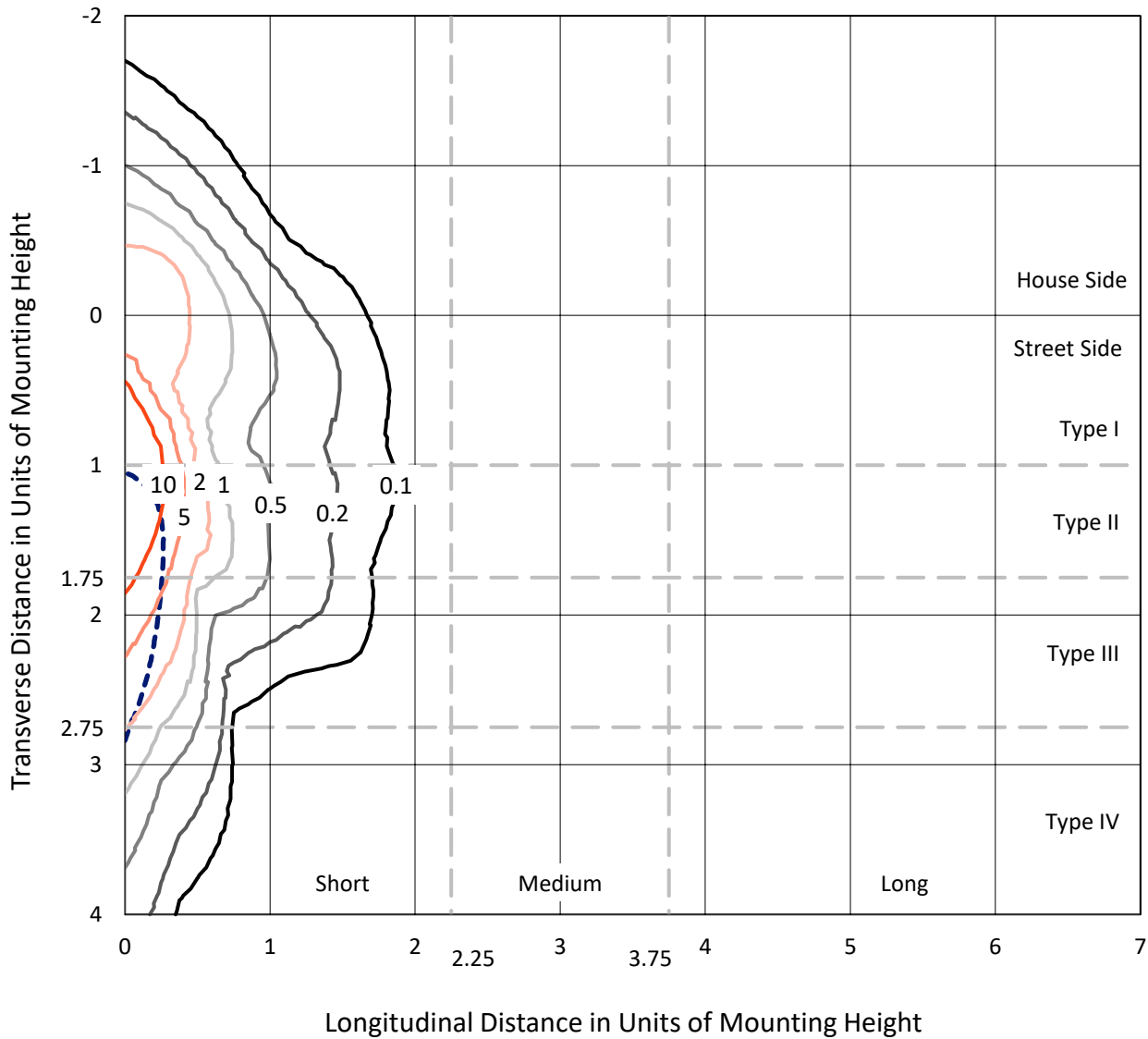
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

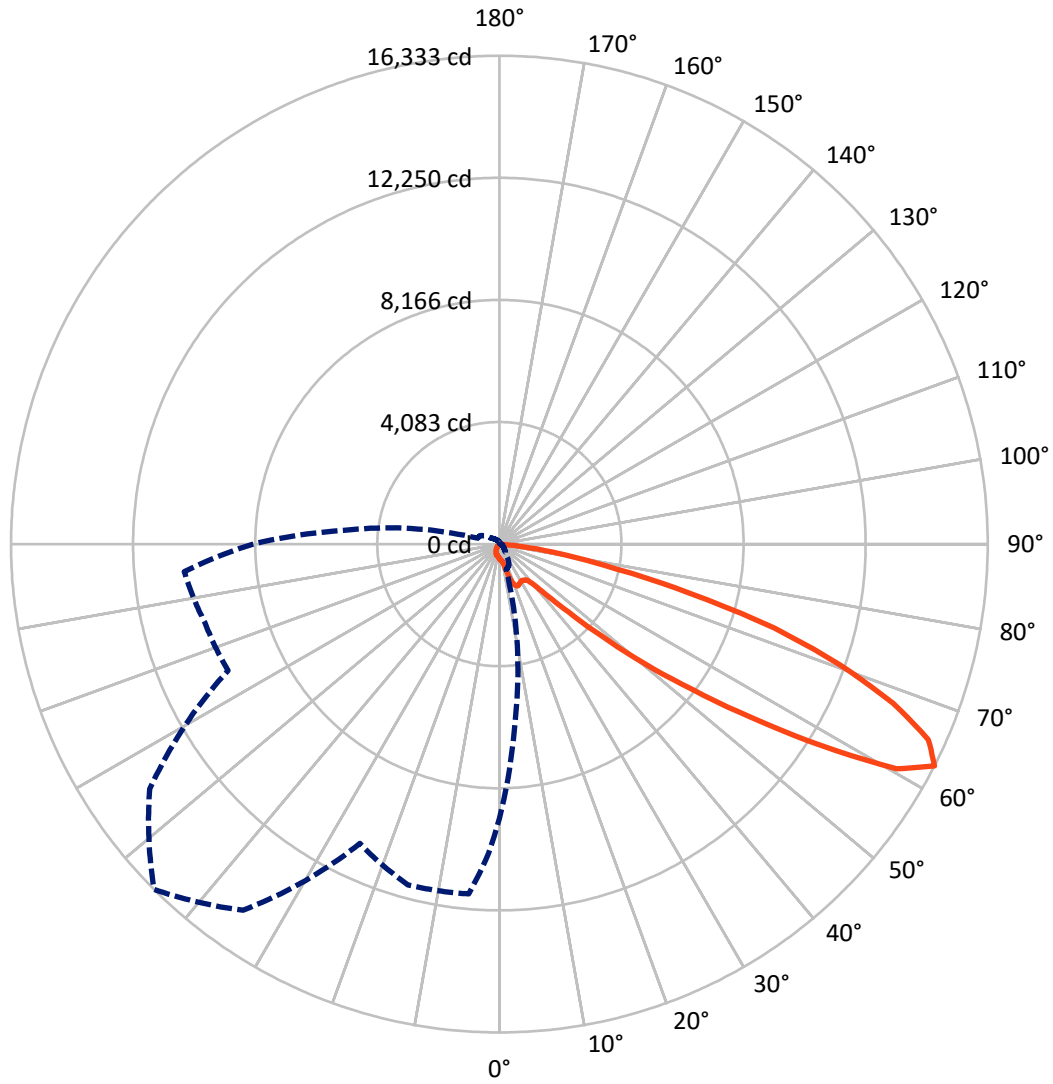
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 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	1097.1	0.0	1097.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	8345.6	0.0	8345.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	9442.7	0.0	9442.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	0.4
10°-20°	144.9	1.5
20°-30°	327.4	3.5
30°-40°	564.1	6.0
40°-50°	1064.1	11.3
50°-60°	2375.9	25.2
60°-70°	3177.7	33.7
70°-80°	1593.5	16.9
80°-90°	152.7	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°	9442.7	100.0
0°-180°	9442.7	100.0

Coefficient of Utilization



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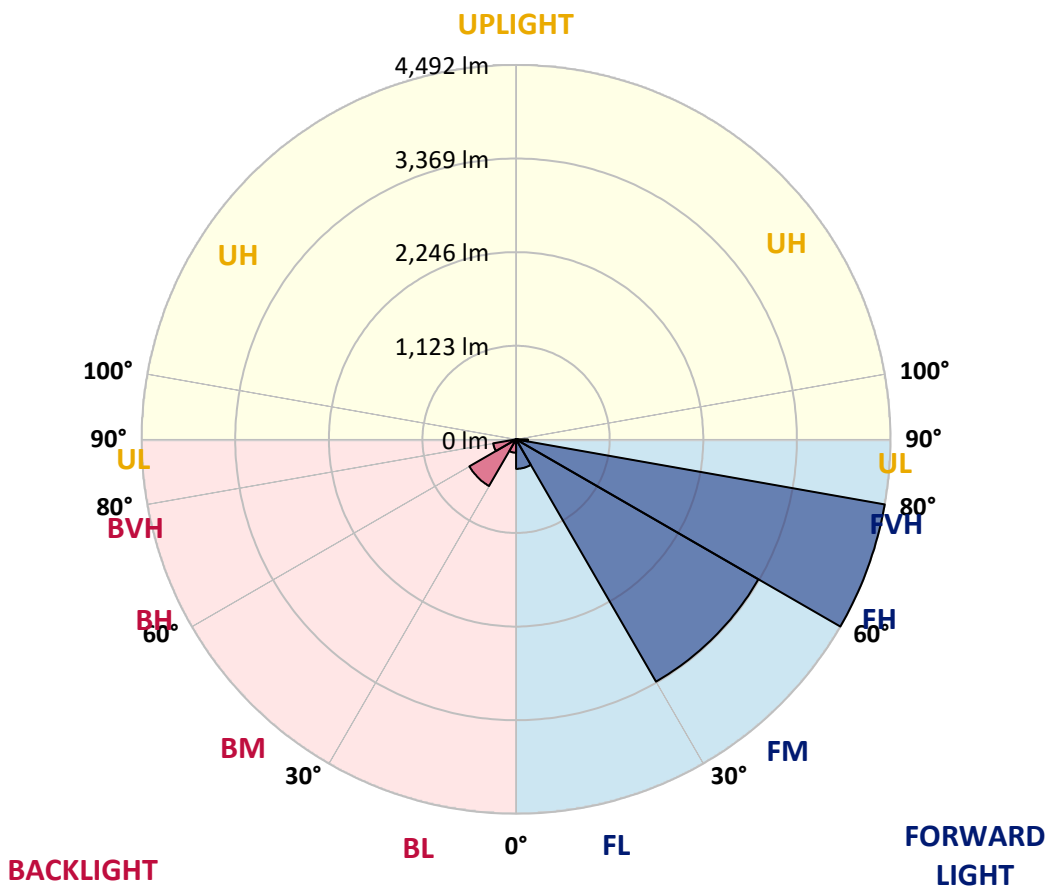
CATALOG NUMBER: GWS-SA6B-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.6	3.7			
FM (30°-60°)	3357.2	35.6			
FH (60°-80°)	4492.2	47.6			G2/5000
FVH (80°-90°)	142.6	1.5			G2/225
BL (0°-30°)	161.0	1.7	B1/500		
BM (30°-60°)	646.9	6.9	B1/1000		
BH (60°-80°)	279.0	3.0	B1/500		G1/500
BVH (80°-90°)	10.2	0.1			G1/100
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°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	484.1	483.0	480.8	474.1	468.5	465.1	458.4	458.4	457.3	455.1	450.6
5°	468.5	464.0	459.5	447.2	433.8	426.0	417.0	415.9	415.9	413.7	412.6
7.5°	443.9	439.4	433.8	413.7	401.4	393.6	385.7	384.6	381.3	381.3	381.3
10°	430.5	423.7	414.8	392.4	380.1	373.4	367.8	364.5	362.3	358.9	357.8
12.5°	459.5	447.2	428.2	388.0	371.2	362.3	355.5	353.3	346.6	342.1	338.8
15°	550.1	519.9	481.9	398.0	367.8	354.4	345.5	341.0	335.4	327.6	322.0
17.5°	698.8	655.2	591.5	430.5	364.5	347.7	336.5	328.7	320.9	311.9	305.2
20°	904.5	839.7	763.6	489.7	364.5	339.9	326.5	316.4	305.2	295.2	287.3
22.5°	1166.1	1101.3	971.6	590.3	369.0	329.8	314.2	300.8	287.3	278.4	269.5
25°	1459.1	1367.4	1246.6	712.2	381.3	316.4	299.6	286.2	273.9	262.7	252.7
27.5°	1785.5	1686.0	1525.0	885.5	408.1	303.0	284.0	271.7	260.5	249.3	235.9
30°	2086.3	2027.0	1862.7	1093.5	451.7	294.1	271.7	260.5	249.3	234.8	222.5
32.5°	2447.4	2342.3	2207.1	1330.5	509.8	285.1	261.6	246.0	237.0	223.6	210.2
35°	2810.8	2721.4	2543.6	1622.3	574.7	276.2	249.3	234.8	227.0	211.3	196.8
37.5°	3185.4	3165.2	2989.7	1945.4	638.4	266.1	234.8	225.8	218.0	200.1	183.4
40°	3554.3	3517.4	3355.3	2314.4	677.5	254.9	222.5	216.9	208.0	187.8	168.8
42.5°	3907.6	3879.7	3722.0	2667.7	672.0	244.9	210.2	203.5	196.8	176.7	153.2
45°	4341.4	4295.6	4096.6	2929.3	614.9	256.0	197.9	186.7	185.6	166.6	137.5
47.5°	5153.2	5002.2	4664.6	3130.6	557.9	285.1	184.5	171.1	178.9	156.5	121.9
50°	6290.2	6112.5	5623.9	3287.1	556.8	323.1	182.2	156.5	173.3	148.7	108.5
52.5°	7432.9	7119.8	6526.1	3371.0	598.2	351.1	202.4	142.0	166.6	140.9	98.4
55°	8527.5	7877.9	6904.0	3093.7	630.6	381.3	239.3	134.2	154.3	131.9	92.8
57.5°	9570.6	8487.2	7068.4	2447.4	739.0	393.6	261.6	137.5	136.4	120.8	88.3
60°	9713.7	8458.2	6736.3	1423.3	815.1	372.3	252.7	153.2	119.6	107.3	80.5
62.5°	9172.6	7895.8	5979.4	887.7	756.9	364.5	224.7	174.4	108.5	95.0	70.4
65°	8350.8	7013.6	4985.4	572.4	573.6	404.7	196.8	171.1	101.7	83.9	60.4
67.5°	7066.2	5869.8	3927.8	383.5	324.2	345.5	172.2	117.4	99.5	71.6	47.0
70°	5157.6	4178.2	2557.0	256.0	193.4	276.2	144.2	83.9	93.9	59.3	33.5
72.5°	3770.1	2807.5	1427.8	167.7	109.6	161.0	106.2	60.4	72.7	43.6	23.5
75°	2713.5	1932.0	815.1	107.3	72.7	88.3	69.3	41.4	47.0	34.7	21.2
77.5°	1305.9	941.4	370.1	59.3	49.2	44.7	36.9	25.7	29.1	31.3	19.0
80°	49.2	36.9	28.0	29.1	31.3	20.1	16.8	13.4	16.8	21.2	10.1
82.5°	0.0	0.0	0.0	3.4	4.5	5.6	6.7	5.6	6.7	7.8	1.1
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°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	453.9	451.7	453.9	456.2	458.4	460.6	457.3	459.5	461.8	456.2	458.4
5°	418.2	417.0	423.7	427.1	431.6	433.8	431.6	431.6	430.5	423.7	423.7
7.5°	386.9	388.0	393.6	401.4	407.0	410.3	408.1	407.0	403.6	393.6	393.6
10°	363.4	363.4	372.3	379.0	386.9	390.2	388.0	384.6	381.3	371.2	370.1
12.5°	344.4	344.4	351.1	362.3	371.2	375.7	374.6	370.1	364.5	354.4	353.3
15°	326.5	325.4	335.4	345.5	357.8	363.4	361.1	357.8	347.7	338.8	336.5
17.5°	308.6	307.5	316.4	329.8	343.2	351.1	350.0	342.1	333.2	322.0	319.8
20°	290.7	288.5	299.6	313.1	326.5	334.3	332.1	325.4	314.2	303.0	300.8
22.5°	272.8	271.7	279.5	290.7	303.0	309.7	308.6	303.0	291.8	281.8	281.8
25°	252.7	252.7	258.3	266.1	275.0	278.4	279.5	277.3	270.6	265.0	265.0
27.5°	235.9	232.6	234.8	237.0	241.5	247.1	247.1	249.3	250.4	248.2	249.3
30°	222.5	216.9	213.6	209.1	206.8	209.1	211.3	219.1	227.0	231.4	233.7
32.5°	206.8	200.1	191.2	178.9	171.1	168.8	175.5	190.1	204.6	214.7	220.3
35°	191.2	182.2	165.5	147.6	137.5	134.2	142.0	158.8	180.0	197.9	205.7
37.5°	175.5	163.2	139.8	118.5	107.3	105.1	112.9	130.8	155.4	180.0	190.1
40°	157.6	143.1	115.2	92.8	83.9	81.6	88.3	106.2	131.9	159.9	175.5
42.5°	139.8	121.9	92.8	73.8	64.8	64.8	73.8	87.2	110.7	140.9	159.9
45°	121.9	102.9	76.0	59.3	53.7	54.8	60.4	73.8	92.8	124.1	142.0
47.5°	105.1	88.3	62.6	49.2	44.7	45.8	52.5	63.7	79.4	107.3	126.3
50°	90.6	74.9	54.8	41.4	38.0	40.3	47.0	57.0	70.4	95.0	110.7
52.5°	81.6	67.1	50.3	35.8	33.5	35.8	42.5	51.4	63.7	83.9	99.5
55°	77.1	66.0	50.3	32.4	29.1	31.3	38.0	47.0	57.0	76.0	89.4
57.5°	76.0	68.2	53.7	29.1	24.6	26.8	33.5	42.5	52.5	69.3	80.5
60°	71.6	64.8	52.5	23.5	19.0	22.4	28.0	36.9	48.1	64.8	74.9
62.5°	62.6	57.0	45.8	19.0	14.5	16.8	23.5	32.4	43.6	59.3	70.4
65°	51.4	45.8	35.8	12.3	8.9	11.2	17.9	28.0	38.0	53.7	63.7
67.5°	38.0	32.4	24.6	7.8	4.5	7.8	14.5	23.5	34.7	48.1	58.1
70°	23.5	19.0	13.4	4.5	3.4	6.7	13.4	22.4	31.3	44.7	54.8
72.5°	13.4	8.9	5.6	2.2	3.4	6.7	13.4	22.4	30.2	42.5	51.4
75°	10.1	5.6	2.2	1.1	2.2	5.6	12.3	20.1	29.1	40.3	49.2
77.5°	6.7	3.4	1.1	0.0	1.1	4.5	11.2	19.0	26.8	38.0	47.0
80°	1.1	0.0	0.0	0.0	0.0	3.4	10.1	16.8	24.6	33.5	41.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	7.8	14.5	21.2	28.0	33.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11.2	16.8	21.2	23.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	11.2	13.4	15.7
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°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	457.3	464.0	464.0	468.5	474.1	484.1	489.7	497.5	503.1	508.7	511.0
5°	422.6	423.7	424.9	427.1	433.8	445.0	455.1	467.4	481.9	493.1	499.8
7.5°	393.6	393.6	393.6	396.9	403.6	411.4	421.5	438.3	455.1	468.5	479.6
10°	369.0	372.3	373.4	379.0	386.9	396.9	408.1	422.6	441.6	459.5	479.6
12.5°	353.3	356.7	362.3	367.8	375.7	386.9	399.1	418.2	457.3	494.2	536.7
15°	338.8	343.2	350.0	357.8	366.7	379.0	392.4	431.6	523.3	592.6	659.7
17.5°	323.1	329.8	338.8	346.6	357.8	371.2	388.0	464.0	644.0	759.2	873.2
20°	303.0	311.9	322.0	334.3	347.7	363.4	388.0	531.1	818.4	983.9	1134.8
22.5°	284.0	292.9	305.2	320.9	336.5	352.2	393.6	632.8	1043.2	1252.2	1443.4
25°	268.3	279.5	291.8	305.2	323.1	341.0	407.0	775.9	1313.7	1583.2	1718.5
27.5°	253.8	267.2	279.5	290.7	306.3	326.5	437.2	967.1	1633.5	1907.4	2013.6
30°	239.3	254.9	267.2	278.4	294.1	315.3	483.0	1210.9	1989.0	2255.1	2266.3
32.5°	227.0	241.5	256.0	267.2	281.8	306.3	546.7	1496.0	2353.5	2610.7	2505.6
35°	213.6	230.3	243.7	256.0	271.7	298.5	620.5	1803.4	2721.4	2937.2	2743.7
37.5°	200.1	219.1	235.9	244.9	260.5	290.7	674.2	2124.3	3097.0	3255.8	2952.8
40°	187.8	209.1	228.1	237.0	244.9	280.6	682.0	2453.0	3478.3	3570.0	3149.6
42.5°	174.4	197.9	214.7	227.0	233.7	273.9	635.1	2730.3	3798.1	3883.0	3406.7
45°	159.9	187.8	201.3	210.2	223.6	278.4	574.7	2945.0	4163.7	4310.1	3830.5
47.5°	145.3	176.7	187.8	194.5	212.4	305.2	552.3	3088.1	4766.3	5070.4	4544.9
50°	131.9	166.6	178.9	177.8	210.2	339.9	576.9	3196.5	5671.9	6029.7	5524.4
52.5°	117.4	155.4	169.9	165.5	227.0	366.7	626.1	3282.6	6368.5	7154.5	6840.3
55°	105.1	143.1	156.5	155.4	258.3	386.9	664.1	2828.7	6657.0	8199.9	8322.9
57.5°	96.2	129.7	140.9	159.9	278.4	386.9	768.1	2008.0	6662.5	8969.1	10290.7
60°	88.3	117.4	125.2	175.5	270.6	366.7	760.3	1229.9	6140.4	8916.6	11337.2
62.5°	81.6	106.2	116.3	180.0	239.3	363.4	686.5	762.5	5237.0	8237.9	10578.0
65°	76.0	97.3	111.8	165.5	216.9	389.1	462.9	547.9	4247.5	7464.2	9707.0
67.5°	70.4	89.4	118.5	135.3	196.8	347.7	334.3	389.1	3334.1	6615.6	8907.6
70°	66.0	85.0	125.2	110.7	172.2	271.7	237.0	295.2	2552.5	5519.9	7781.7
72.5°	62.6	79.4	105.1	87.2	139.8	210.2	165.5	214.7	1668.2	4309.0	6343.9
75°	59.3	72.7	77.1	70.4	104.0	137.5	125.2	144.2	994.0	3149.6	4813.3
77.5°	58.1	68.2	62.6	57.0	70.4	81.6	95.0	97.3	485.2	1575.4	2522.4
80°	51.4	61.5	53.7	47.0	48.1	53.7	70.4	64.8	110.7	400.3	673.1
82.5°	40.3	48.1	44.7	39.1	39.1	39.1	47.0	43.6	35.8	180.0	304.1
85°	28.0	33.5	33.5	31.3	30.2	30.2	29.1	28.0	10.1	11.2	16.8
87.5°	19.0	23.5	24.6	23.5	20.1	17.9	15.7	13.4	4.5	0.0	2.2
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°	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7	489.7
2.5°	518.8	522.1	522.1	517.7	514.3	505.4	496.4	487.5	485.2	484.1
5°	518.8	532.2	538.9	537.8	530.0	515.4	496.4	476.3	470.7	468.5
7.5°	511.0	536.7	556.8	560.2	545.6	519.9	485.2	455.1	447.2	443.9
10°	528.8	579.2	619.4	625.0	608.2	557.9	502.0	450.6	438.3	430.5
12.5°	625.0	707.7	756.9	780.4	748.0	684.3	591.5	499.8	471.8	459.5
15°	819.5	936.9	1030.9	1030.9	1000.7	887.7	770.3	621.6	583.6	550.1
17.5°	1068.9	1216.5	1299.2	1290.2	1244.4	1165.0	1024.1	810.6	733.4	698.8
20°	1352.9	1441.2	1460.2	1454.6	1434.5	1388.6	1291.4	1062.2	958.2	904.5
22.5°	1598.8	1575.4	1547.4	1525.0	1519.4	1532.9	1519.4	1342.8	1261.2	1166.1
25°	1765.4	1632.4	1548.5	1508.3	1527.3	1604.4	1688.3	1622.3	1557.5	1459.1
27.5°	1856.0	1625.7	1504.9	1463.5	1496.0	1605.5	1787.8	1899.6	1832.5	1785.5
30°	1905.2	1620.1	1477.0	1436.7	1485.9	1623.4	1857.1	2159.0	2161.2	2086.3
32.5°	1975.6	1655.9	1482.6	1445.7	1511.6	1677.1	1944.3	2422.8	2487.7	2447.4
35°	2055.0	1710.6	1508.3	1474.7	1556.3	1748.7	2041.6	2688.9	2824.2	2810.8
37.5°	2129.9	1772.1	1568.6	1536.2	1624.5	1810.1	2135.5	2950.6	3138.4	3185.4
40°	2208.2	1858.2	1754.2	1785.5	1834.7	1907.4	2219.4	3177.5	3483.9	3554.3
42.5°	2392.7	2156.7	2315.5	2374.8	2381.5	2231.7	2402.7	3468.2	3823.8	3907.6
45°	2804.1	2687.8	3142.9	3226.7	3183.1	2729.2	2844.4	3887.5	4299.0	4341.4
47.5°	3324.0	3377.7	4275.5	4565.1	4303.4	3316.2	3379.9	4769.7	5168.8	5153.2
50°	3930.0	4183.8	5561.2	6244.4	5618.3	4078.7	3997.1	5854.2	6338.3	6290.2
52.5°	4646.7	5120.7	7106.4	8076.9	7484.3	4936.3	4902.7	7290.9	7586.1	7432.9
55°	5549.0	6025.2	8884.1	10240.3	9397.3	5982.8	6097.9	8956.8	9013.8	8527.5
57.5°	6895.1	7204.8	10979.4	12721.3	11394.2	7404.9	8240.1	11173.9	10491.9	9570.6
60°	9339.2	8722.0	13004.2	15259.3	13518.5	9405.2	11065.5	12487.7	10983.9	9713.7
62.5°	10190.0	10010.0	14272.1	16332.7	14947.4	11047.6	11800.0	11743.0	10346.6	9172.6
65°	8900.9	9689.1	14045.1	15765.8	14764.0	10777.0	10589.2	10921.2	9628.8	8350.8
67.5°	8222.2	8935.6	13185.3	14201.6	13747.7	9859.1	9438.7	9348.1	8083.6	7066.2
70°	7538.0	8244.6	11938.7	12065.0	11853.7	8363.1	7810.8	7203.7	6042.0	5157.6
72.5°	6715.1	7104.2	10209.0	9609.8	9370.5	6568.6	6452.3	5424.8	4529.3	3770.1
75°	5856.4	5743.5	7959.5	6595.5	6774.3	5110.7	5449.4	3983.7	3318.4	2713.5
77.5°	4259.8	4176.0	5330.9	4006.0	4436.5	3347.5	3007.6	1589.9	1513.9	1305.9
80°	2377.0	2865.6	2879.0	2245.1	2800.8	2182.5	752.5	52.5	33.5	49.2
82.5°	1104.6	1232.1	1560.8	1040.9	1597.7	1081.2	155.4	0.0	0.0	0.0
85°	357.8	523.3	438.3	153.2	386.9	365.6	25.7	0.0	0.0	0.0
87.5°	21.2	43.6	11.2	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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