

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: P634576

Luminaire Tested: GWS-SA3C-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634576
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-SA3C-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: 6221.3 lumens
Efficiency: N/A
Efficacy: 66.9 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

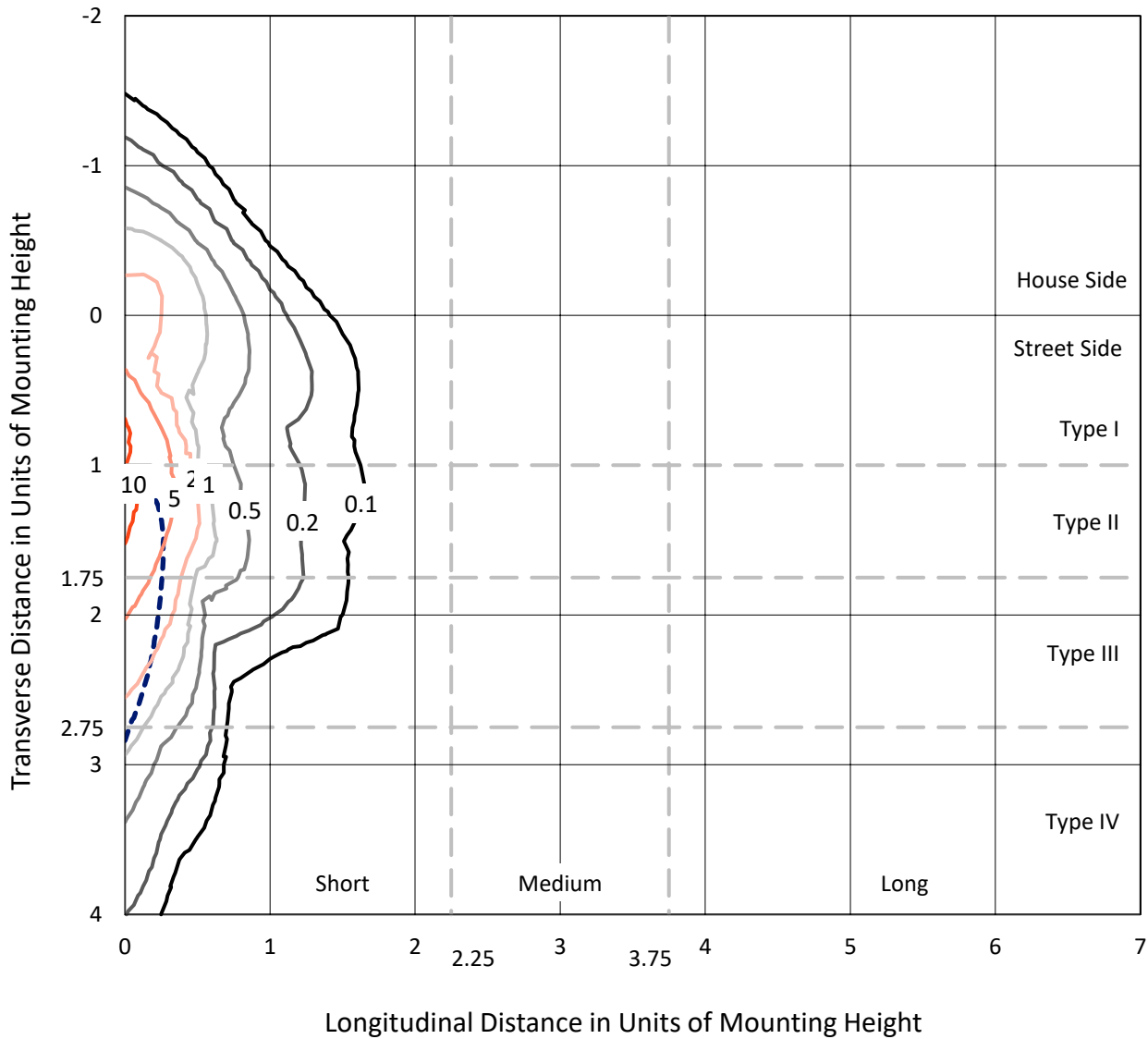
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

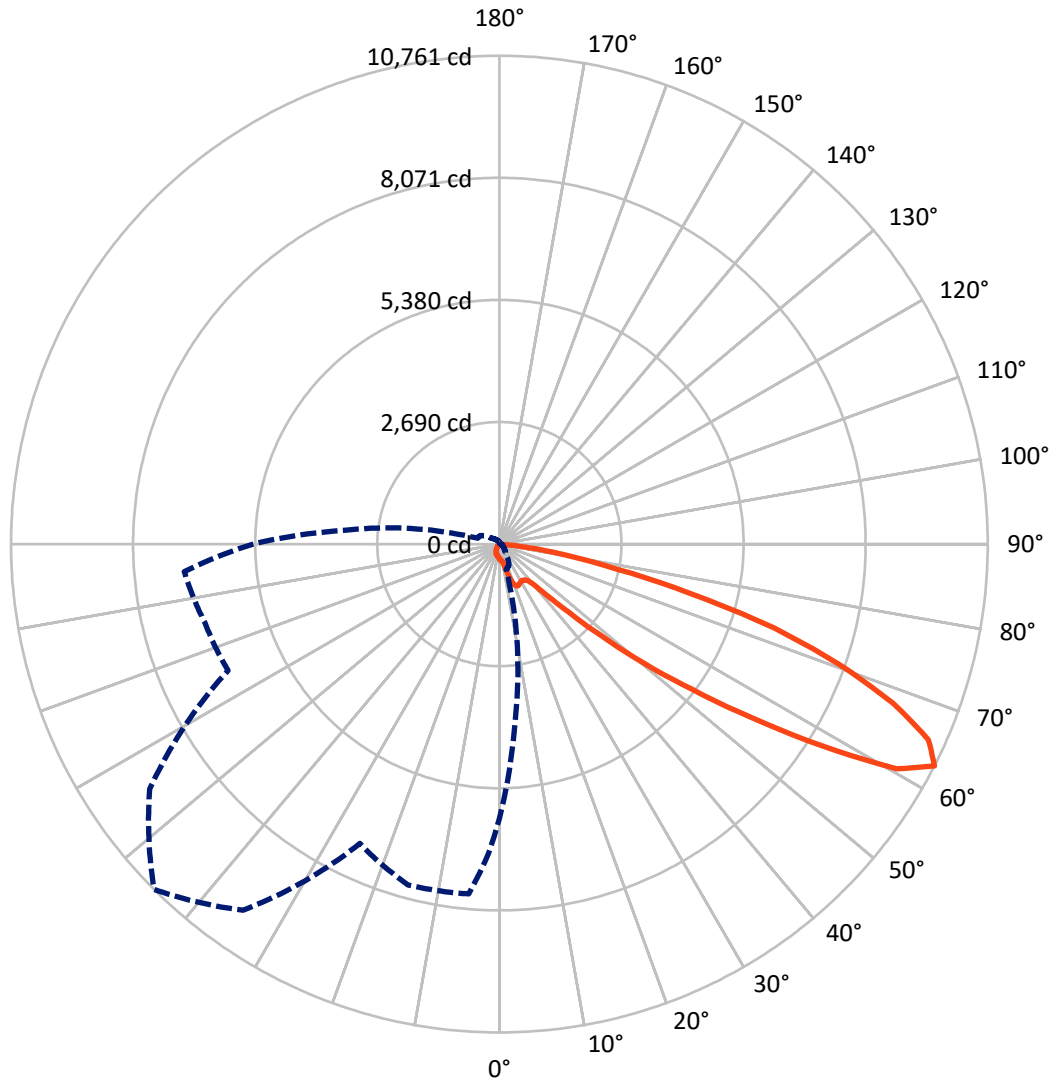
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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	722.8	0.0	722.8
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	5498.5	0.0	5498.5
	% Fixture	88.4	0.0	88.4
Total	Lumens	6221.3	0.0	6221.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.4
10°-20°	95.5	1.5
20°-30°	215.7	3.5
30°-40°	371.7	6.0
40°-50°	701.1	11.3
50°-60°	1565.3	25.2
60°-70°	2093.6	33.7
70°-80°	1049.9	16.9
80°-90°	100.6	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°	6221.3	100.0
0°-180°	6221.3	100.0

Coefficient of Utilization

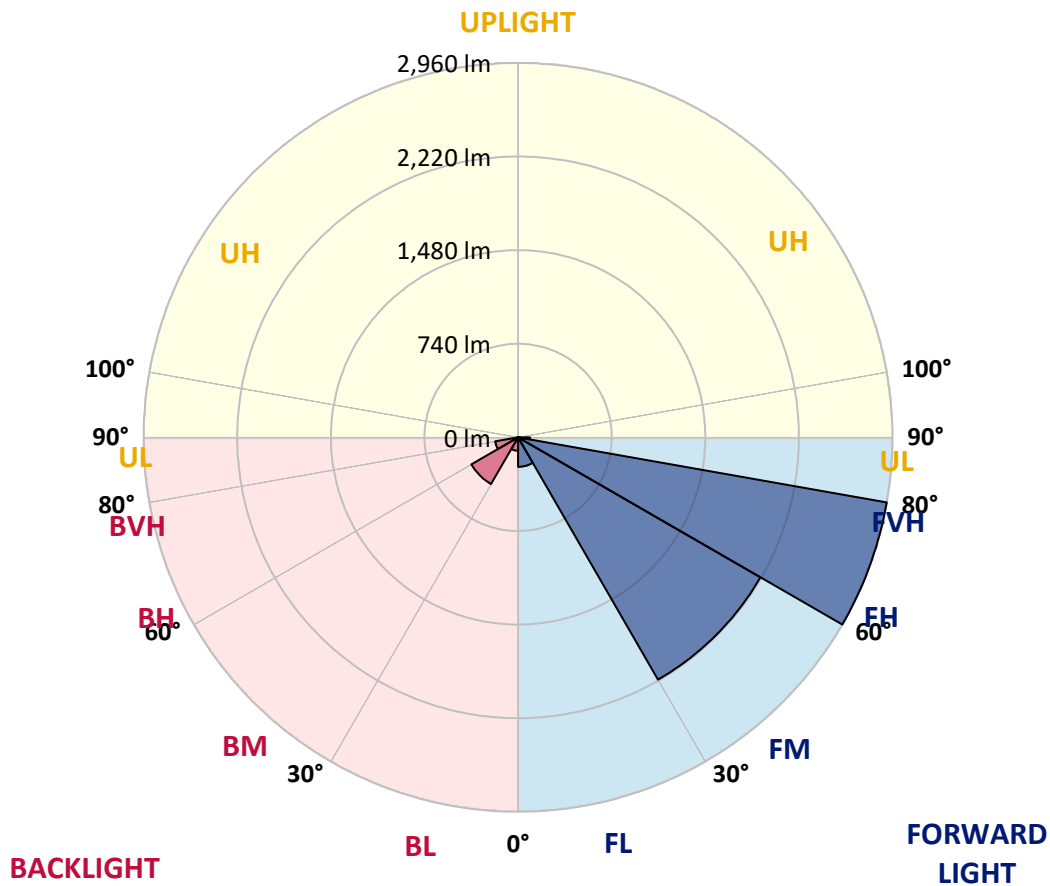


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.0	3.7			
FM (30°-60°)	2211.9	35.6			
FH (60°-80°)	2959.7	47.6			G2/5000
FVH (80°-90°)	93.9	1.5			G1/100
BL (0°-30°)	106.1	1.7	B0/110		
BM (30°-60°)	426.2	6.9	B1/1000		
BH (60°-80°)	183.8	3.0	B1/500		G1/500
BVH (80°-90°)	6.7	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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	319.0	318.2	316.8	312.3	308.6	306.4	302.0	302.0	301.3	299.8	296.9
5°	308.6	305.7	302.8	294.7	285.8	280.7	274.8	274.0	274.0	272.6	271.8
7.5°	292.4	289.5	285.8	272.6	264.5	259.3	254.1	253.4	251.2	251.2	251.2
10°	283.6	279.2	273.3	258.6	250.5	246.0	242.4	240.1	238.7	236.5	235.7
12.5°	302.8	294.7	282.1	255.6	244.6	238.7	234.2	232.8	228.4	225.4	223.2
15°	362.4	342.5	317.5	262.2	242.4	233.5	227.6	224.7	221.0	215.8	212.2
17.5°	460.4	431.7	389.7	283.6	240.1	229.1	221.7	216.6	211.4	205.5	201.1
20°	595.9	553.2	503.1	322.6	240.1	223.9	215.1	208.5	201.1	194.5	189.3
22.5°	768.3	725.6	640.1	388.9	243.1	217.3	207.0	198.2	189.3	183.4	177.5
25°	961.3	900.9	821.3	469.2	251.2	208.5	197.4	188.6	180.5	173.1	166.5
27.5°	1176.4	1110.8	1004.8	583.4	268.9	199.6	187.1	179.0	171.6	164.3	155.4
30°	1374.6	1335.5	1227.2	720.4	297.6	193.7	179.0	171.6	164.3	154.7	146.6
32.5°	1612.5	1543.2	1454.1	876.6	335.9	187.8	172.4	162.1	156.2	147.3	138.5
35°	1851.9	1793.0	1675.8	1068.9	378.6	181.9	164.3	154.7	149.5	139.2	129.6
37.5°	2098.7	2085.4	1969.8	1281.7	420.6	175.3	154.7	148.8	143.6	131.9	120.8
40°	2341.8	2317.4	2210.6	1524.8	446.4	168.0	146.6	142.9	137.0	123.8	111.2
42.5°	2574.5	2556.1	2452.3	1757.6	442.7	161.3	138.5	134.1	129.6	116.4	100.9
45°	2860.3	2830.1	2699.0	1930.0	405.1	168.7	130.4	123.0	122.3	109.8	90.6
47.5°	3395.1	3295.7	3073.2	2062.6	367.6	187.8	121.5	112.7	117.9	103.1	80.3
50°	4144.3	4027.2	3705.3	2165.7	366.8	212.9	120.1	103.1	114.2	98.0	71.5
52.5°	4897.1	4690.9	4299.7	2221.0	394.1	231.3	133.3	93.6	109.8	92.8	64.8
55°	5618.3	5190.3	4548.7	2038.3	415.5	251.2	157.6	88.4	101.7	86.9	61.1
57.5°	6305.6	5591.8	4657.0	1612.5	486.9	259.3	172.4	90.6	89.9	79.6	58.2
60°	6399.9	5572.6	4438.2	937.7	537.0	245.3	166.5	100.9	78.8	70.7	53.0
62.5°	6043.3	5202.1	3939.5	584.9	498.7	240.1	148.1	114.9	71.5	62.6	46.4
65°	5501.9	4620.9	3284.6	377.2	377.9	266.7	129.6	112.7	67.0	55.2	39.8
67.5°	4655.5	3867.3	2587.8	252.7	213.6	227.6	113.4	77.3	65.6	47.1	30.9
70°	3398.1	2752.8	1684.7	168.7	127.4	181.9	95.0	55.2	61.9	39.0	22.1
72.5°	2483.9	1849.7	940.7	110.5	72.2	106.1	70.0	39.8	47.9	28.7	15.5
75°	1787.8	1272.9	537.0	70.7	47.9	58.2	45.7	27.3	30.9	22.8	14.0
77.5°	860.4	620.2	243.8	39.0	32.4	29.5	24.3	16.9	19.2	20.6	12.5
80°	32.4	24.3	18.4	19.2	20.6	13.3	11.0	8.8	11.0	14.0	6.6
82.5°	0.0	0.0	0.0	2.2	2.9	3.7	4.4	3.7	4.4	5.2	0.7
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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	299.1	297.6	299.1	300.5	302.0	303.5	301.3	302.8	304.2	300.5	302.0
5°	275.5	274.8	279.2	281.4	284.3	285.8	284.3	284.3	283.6	279.2	279.2
7.5°	254.9	255.6	259.3	264.5	268.1	270.3	268.9	268.1	265.9	259.3	259.3
10°	239.4	239.4	245.3	249.7	254.9	257.1	255.6	253.4	251.2	244.6	243.8
12.5°	226.9	226.9	231.3	238.7	244.6	247.5	246.8	243.8	240.1	233.5	232.8
15°	215.1	214.4	221.0	227.6	235.7	239.4	237.9	235.7	229.1	223.2	221.7
17.5°	203.3	202.6	208.5	217.3	226.1	231.3	230.6	225.4	219.5	212.2	210.7
20°	191.5	190.1	197.4	206.3	215.1	220.3	218.8	214.4	207.0	199.6	198.2
22.5°	179.7	179.0	184.2	191.5	199.6	204.0	203.3	199.6	192.3	185.6	185.6
25°	166.5	166.5	170.2	175.3	181.2	183.4	184.2	182.7	178.3	174.6	174.6
27.5°	155.4	153.2	154.7	156.2	159.1	162.8	162.8	164.3	165.0	163.5	164.3
30°	146.6	142.9	140.7	137.8	136.3	137.8	139.2	144.4	149.5	152.5	154.0
32.5°	136.3	131.9	126.0	117.9	112.7	111.2	115.7	125.2	134.8	141.4	145.1
35°	126.0	120.1	109.0	97.2	90.6	88.4	93.6	104.6	118.6	130.4	135.5
37.5°	115.7	107.5	92.1	78.1	70.7	69.2	74.4	86.2	102.4	118.6	125.2
40°	103.9	94.3	75.9	61.1	55.2	53.8	58.2	70.0	86.9	105.3	115.7
42.5°	92.1	80.3	61.1	48.6	42.7	42.7	48.6	57.5	72.9	92.8	105.3
45°	80.3	67.8	50.1	39.0	35.4	36.1	39.8	48.6	61.1	81.8	93.6
47.5°	69.2	58.2	41.3	32.4	29.5	30.2	34.6	42.0	52.3	70.7	83.2
50°	59.7	49.4	36.1	27.3	25.0	26.5	30.9	37.6	46.4	62.6	72.9
52.5°	53.8	44.2	33.1	23.6	22.1	23.6	28.0	33.9	42.0	55.2	65.6
55°	50.8	43.5	33.1	21.4	19.2	20.6	25.0	30.9	37.6	50.1	58.9
57.5°	50.1	44.9	35.4	19.2	16.2	17.7	22.1	28.0	34.6	45.7	53.0
60°	47.1	42.7	34.6	15.5	12.5	14.7	18.4	24.3	31.7	42.7	49.4
62.5°	41.3	37.6	30.2	12.5	9.6	11.0	15.5	21.4	28.7	39.0	46.4
65°	33.9	30.2	23.6	8.1	5.9	7.4	11.8	18.4	25.0	35.4	42.0
67.5°	25.0	21.4	16.2	5.2	2.9	5.2	9.6	15.5	22.8	31.7	38.3
70°	15.5	12.5	8.8	2.9	2.2	4.4	8.8	14.7	20.6	29.5	36.1
72.5°	8.8	5.9	3.7	1.5	2.2	4.4	8.8	14.7	19.9	28.0	33.9
75°	6.6	3.7	1.5	0.7	1.5	3.7	8.1	13.3	19.2	26.5	32.4
77.5°	4.4	2.2	0.7	0.0	0.7	2.9	7.4	12.5	17.7	25.0	30.9
80°	0.7	0.0	0.0	0.0	0.0	2.2	6.6	11.0	16.2	22.1	27.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	5.2	9.6	14.0	18.4	22.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.4	11.0	14.0	15.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	7.4	8.8	10.3
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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	301.3	305.7	305.7	308.6	312.3	319.0	322.6	327.8	331.5	335.2	336.6
5°	278.4	279.2	279.9	281.4	285.8	293.2	299.8	307.9	317.5	324.9	329.3
7.5°	259.3	259.3	259.3	261.5	265.9	271.1	277.7	288.8	299.8	308.6	316.0
10°	243.1	245.3	246.0	249.7	254.9	261.5	268.9	278.4	291.0	302.8	316.0
12.5°	232.8	235.0	238.7	242.4	247.5	254.9	263.0	275.5	301.3	325.6	353.6
15°	223.2	226.1	230.6	235.7	241.6	249.7	258.6	284.3	344.7	390.4	434.6
17.5°	212.9	217.3	223.2	228.4	235.7	244.6	255.6	305.7	424.3	500.2	575.3
20°	199.6	205.5	212.2	220.3	229.1	239.4	255.6	349.9	539.2	648.2	747.7
22.5°	187.1	193.0	201.1	211.4	221.7	232.0	259.3	416.9	687.3	825.0	951.0
25°	176.8	184.2	192.3	201.1	212.9	224.7	268.1	511.2	865.5	1043.1	1132.2
27.5°	167.2	176.1	184.2	191.5	201.8	215.1	288.0	637.2	1076.2	1256.7	1326.7
30°	157.6	168.0	176.1	183.4	193.7	207.7	318.2	797.8	1310.5	1485.8	1493.2
32.5°	149.5	159.1	168.7	176.1	185.6	201.8	360.2	985.6	1550.6	1720.0	1650.8
35°	140.7	151.7	160.6	168.7	179.0	196.7	408.8	1188.2	1793.0	1935.1	1807.7
37.5°	131.9	144.4	155.4	161.3	171.6	191.5	444.2	1399.6	2040.5	2145.1	1945.4
40°	123.8	137.8	150.3	156.2	161.3	184.9	449.3	1616.2	2291.7	2352.1	2075.1
42.5°	114.9	130.4	141.4	149.5	154.0	180.5	418.4	1798.9	2502.3	2558.3	2244.5
45°	105.3	123.8	132.6	138.5	147.3	183.4	378.6	1940.3	2743.2	2839.7	2523.7
47.5°	95.8	116.4	123.8	128.2	140.0	201.1	363.9	2034.6	3140.3	3340.6	2994.4
50°	86.9	109.8	117.9	117.1	138.5	223.9	380.1	2106.0	3736.9	3972.7	3639.7
52.5°	77.3	102.4	112.0	109.0	149.5	241.6	412.5	2162.8	4195.9	4713.7	4506.7
55°	69.2	94.3	103.1	102.4	170.2	254.9	437.6	1863.7	4385.9	5402.5	5483.5
57.5°	63.4	85.4	92.8	105.3	183.4	254.9	506.1	1323.0	4389.6	5909.3	6780.0
60°	58.2	77.3	82.5	115.7	178.3	241.6	500.9	810.3	4045.6	5874.7	7469.5
62.5°	53.8	70.0	76.6	118.6	157.6	239.4	452.3	502.4	3450.4	5427.5	6969.3
65°	50.1	64.1	73.7	109.0	142.9	256.3	305.0	361.0	2798.5	4917.8	6395.5
67.5°	46.4	58.9	78.1	89.1	129.6	229.1	220.3	256.3	2196.6	4358.7	5868.8
70°	43.5	56.0	82.5	72.9	113.4	179.0	156.2	194.5	1681.7	3636.8	5127.0
72.5°	41.3	52.3	69.2	57.5	92.1	138.5	109.0	141.4	1099.1	2839.0	4179.7
75°	39.0	47.9	50.8	46.4	68.5	90.6	82.5	95.0	654.9	2075.1	3171.2
77.5°	38.3	44.9	41.3	37.6	46.4	53.8	62.6	64.1	319.7	1037.9	1661.8
80°	33.9	40.5	35.4	30.9	31.7	35.4	46.4	42.7	72.9	263.7	443.5
82.5°	26.5	31.7	29.5	25.8	25.8	25.8	30.9	28.7	23.6	118.6	200.4
85°	18.4	22.1	22.1	20.6	19.9	19.9	19.2	18.4	6.6	7.4	11.0
87.5°	12.5	15.5	16.2	15.5	13.3	11.8	10.3	8.8	2.9	0.0	1.5
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°	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6	322.6
2.5°	341.8	344.0	344.0	341.1	338.9	333.0	327.1	321.2	319.7	319.0
5°	341.8	350.6	355.1	354.3	349.2	339.6	327.1	313.8	310.1	308.6
7.5°	336.6	353.6	366.8	369.1	359.5	342.5	319.7	299.8	294.7	292.4
10°	348.4	381.6	408.1	411.8	400.7	367.6	330.7	296.9	288.8	283.6
12.5°	411.8	466.3	498.7	514.2	492.8	450.8	389.7	329.3	310.9	302.8
15°	540.0	617.3	679.2	679.2	659.3	584.9	507.5	409.6	384.5	362.4
17.5°	704.2	801.5	856.0	850.1	819.9	767.6	674.8	534.1	483.2	460.4
20°	891.3	949.5	962.0	958.4	945.1	914.9	850.8	699.8	631.3	595.9
22.5°	1053.4	1037.9	1019.5	1004.8	1001.1	1009.9	1001.1	884.7	830.9	768.3
25°	1163.1	1075.5	1020.2	993.7	1006.2	1057.1	1112.3	1068.9	1026.1	961.3
27.5°	1222.8	1071.1	991.5	964.3	985.6	1057.8	1177.9	1251.5	1207.3	1176.4
30°	1255.2	1067.4	973.1	946.6	979.0	1069.6	1223.5	1422.4	1423.9	1374.6
32.5°	1301.6	1091.0	976.8	952.5	995.9	1105.0	1281.0	1596.3	1639.0	1612.5
35°	1353.9	1127.0	993.7	971.6	1025.4	1152.1	1345.1	1771.6	1860.7	1851.9
37.5°	1403.3	1167.6	1033.5	1012.1	1070.3	1192.6	1407.0	1944.0	2067.7	2098.7
40°	1454.9	1224.3	1155.8	1176.4	1208.8	1256.7	1462.2	2093.5	2295.4	2341.8
42.5°	1576.4	1421.0	1525.6	1564.6	1569.0	1470.3	1583.0	2285.0	2519.3	2574.5
45°	1847.5	1770.9	2070.7	2125.9	2097.2	1798.1	1874.0	2561.3	2832.4	2860.3
47.5°	2190.0	2225.4	2816.9	3007.7	2835.3	2184.9	2226.8	3142.5	3405.5	3395.1
50°	2589.3	2756.5	3664.0	4114.1	3701.6	2687.2	2633.5	3857.0	4176.0	4144.3
52.5°	3061.4	3373.8	4682.0	5321.4	4931.0	3252.2	3230.1	4803.6	4998.1	4897.1
55°	3655.9	3969.7	5853.3	6746.8	6191.4	3941.7	4017.6	5901.2	5938.7	5618.3
57.5°	4542.8	4746.9	7233.7	8381.4	7507.0	4878.7	5429.0	7361.9	6912.6	6305.6
60°	6153.1	5746.5	8567.8	10053.6	8906.6	6196.6	7290.5	8227.5	7236.7	6399.9
62.5°	6713.7	6595.1	9403.1	10760.7	9848.1	7278.7	7774.4	7736.9	6816.8	6043.3
65°	5864.3	6383.7	9253.6	10387.3	9727.2	7100.4	6976.7	7195.4	6343.9	5501.9
67.5°	5417.2	5887.2	8687.1	9356.7	9057.6	6495.6	6218.7	6159.0	5325.9	4655.5
70°	4966.4	5431.9	7865.8	7949.0	7809.8	5510.0	5146.1	4746.1	3980.8	3398.1
72.5°	4424.2	4680.6	6726.2	6331.4	6173.7	4327.7	4251.1	3574.1	2984.1	2483.9
75°	3858.5	3784.1	5244.1	4345.4	4463.3	3367.2	3590.4	2624.6	2186.3	1787.8
77.5°	2806.6	2751.3	3512.3	2639.4	2923.0	2205.5	1981.5	1047.5	997.4	860.4
80°	1566.1	1888.0	1896.8	1479.2	1845.3	1437.9	495.8	34.6	22.1	32.4
82.5°	727.8	811.8	1028.3	685.8	1052.6	712.3	102.4	0.0	0.0	0.0
85°	235.7	344.7	288.8	100.9	254.9	240.9	16.9	0.0	0.0	0.0
87.5°	14.0	28.7	7.4	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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