

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: P629298

Luminaire Tested: GWS-SA1B-735-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629298
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-SA1B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2140.3 lumens
Efficiency: N/A
Efficacy: 85.6 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

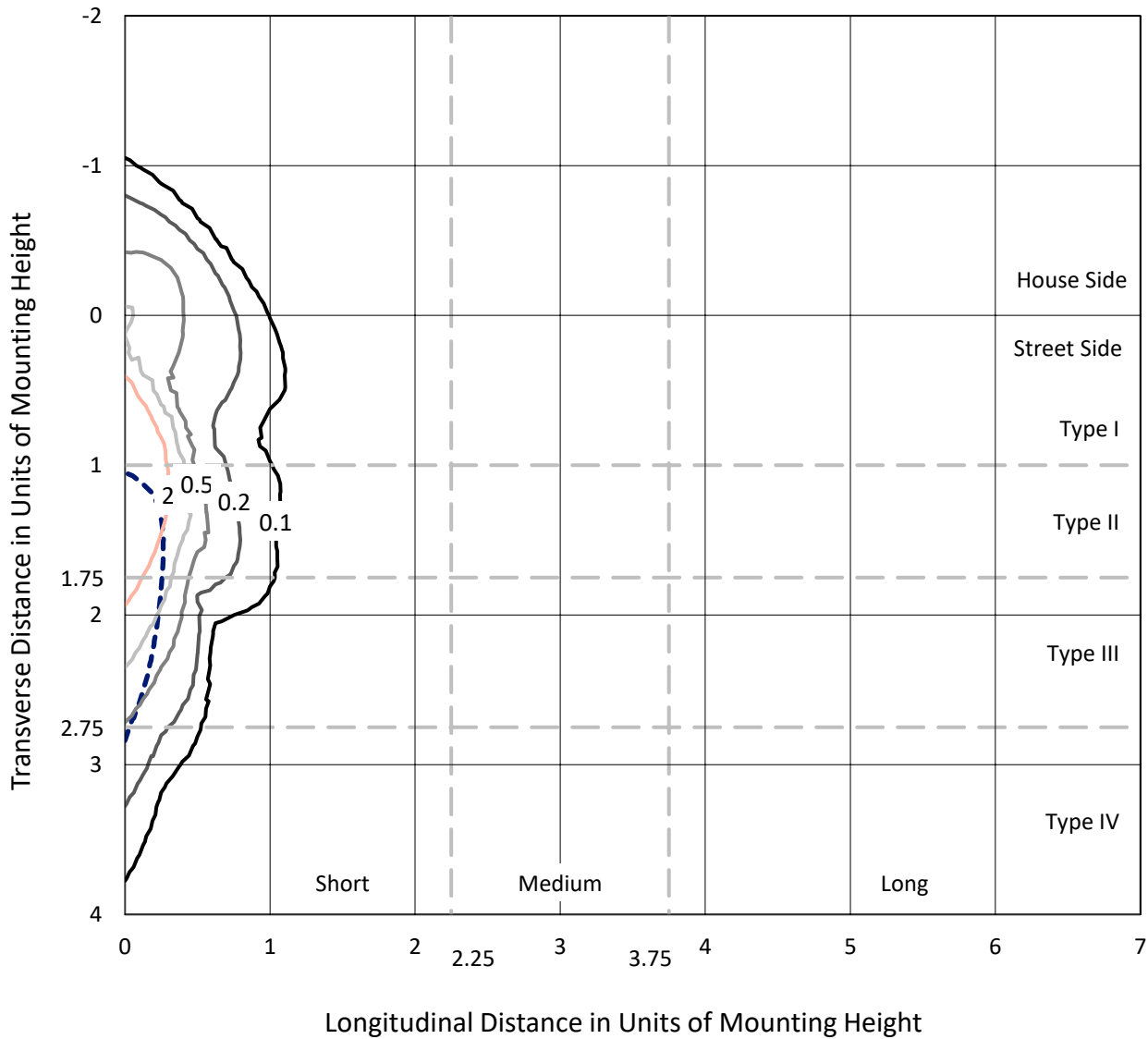
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

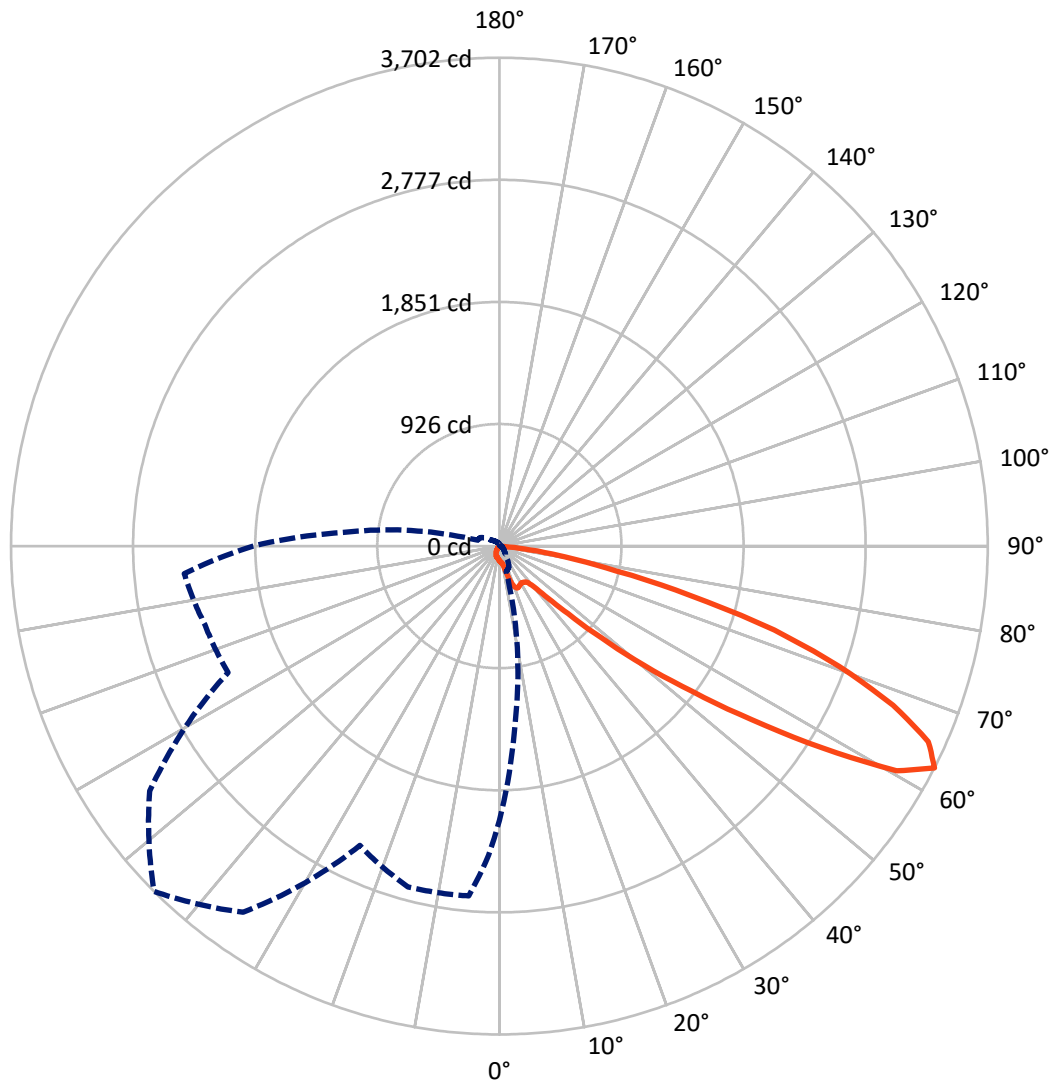
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	248.7	0.0	248.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1891.6	0.0	1891.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	2140.3	0.0	2140.3
	% 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°	74.2	3.5
30°-40°	127.9	6.0
40°-50°	241.2	11.3
50°-60°	538.5	25.2
60°-70°	720.3	33.7
70°-80°	361.2	16.9
80°-90°	34.6	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°	2140.3	100.0
0°-180°	2140.3	100.0

Coefficient of Utilization



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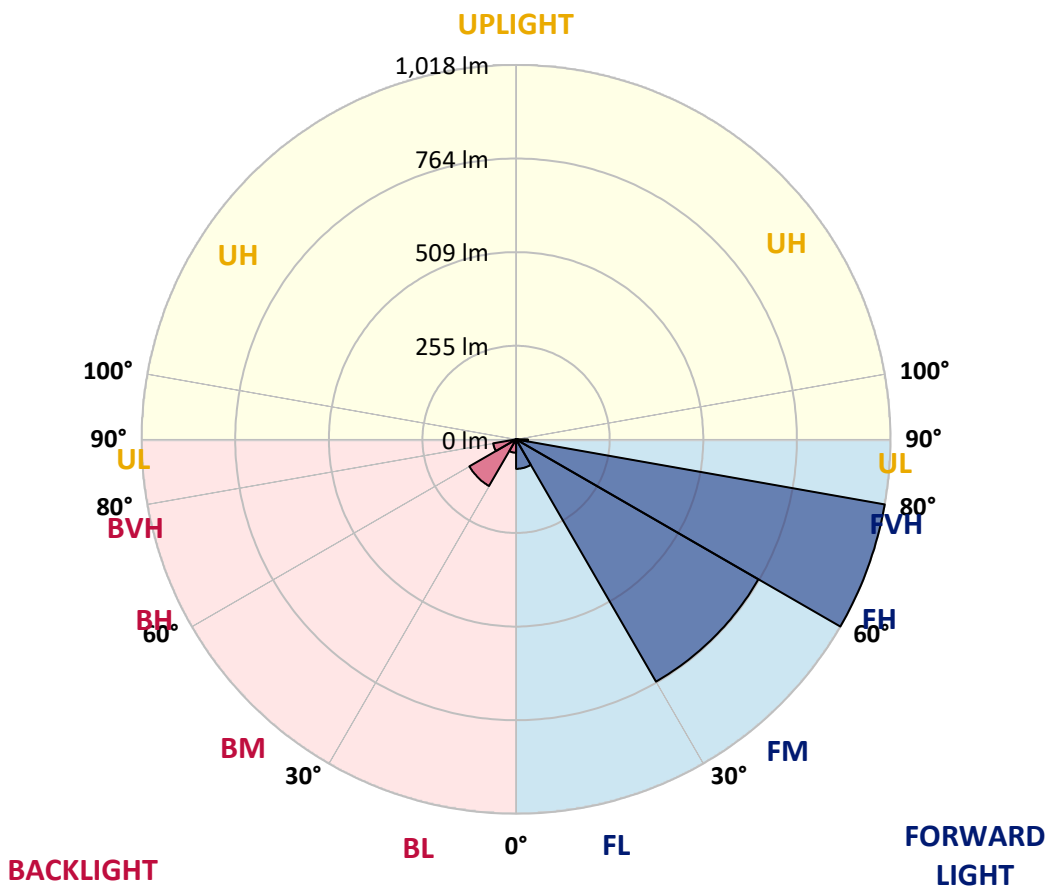
CATALOG NUMBER: GWS-SA1B-735-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.2	3.7			
FM (30°-60°)	760.9	35.6			
FH (60°-80°)	1018.2	47.6			G1/1800
FVH (80°-90°)	32.3	1.5			G1/100
BL (0°-30°)	36.5	1.7	B0/110		
BM (30°-60°)	146.6	6.9	B0/220		
BH (60°-80°)	63.2	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	109.7	109.5	109.0	107.5	106.2	105.4	103.9	103.9	103.6	103.1	102.1
5°	106.2	105.2	104.2	101.4	98.3	96.6	94.5	94.3	94.3	93.8	93.5
7.5°	100.6	99.6	98.3	93.8	91.0	89.2	87.4	87.2	86.4	86.4	86.4
10°	97.6	96.0	94.0	89.0	86.2	84.6	83.4	82.6	82.1	81.3	81.1
12.5°	104.2	101.4	97.1	87.9	84.1	82.1	80.6	80.1	78.6	77.5	76.8
15°	124.7	117.8	109.2	90.2	83.4	80.3	78.3	77.3	76.0	74.3	73.0
17.5°	158.4	148.5	134.1	97.6	82.6	78.8	76.3	74.5	72.7	70.7	69.2
20°	205.0	190.3	173.1	111.0	82.6	77.0	74.0	71.7	69.2	66.9	65.1
22.5°	264.3	249.6	220.2	133.8	83.6	74.8	71.2	68.2	65.1	63.1	61.1
25°	330.7	309.9	282.6	161.4	86.4	71.7	67.9	64.9	62.1	59.6	57.3
27.5°	404.7	382.2	345.7	200.7	92.5	68.7	64.4	61.6	59.0	56.5	53.5
30°	472.9	459.5	422.2	247.8	102.4	66.7	61.6	59.0	56.5	53.2	50.4
32.5°	554.7	530.9	500.3	301.6	115.6	64.6	59.3	55.8	53.7	50.7	47.6
35°	637.1	616.8	576.5	367.7	130.3	62.6	56.5	53.2	51.4	47.9	44.6
37.5°	722.0	717.4	677.7	441.0	144.7	60.3	53.2	51.2	49.4	45.4	41.6
40°	805.6	797.3	760.5	524.6	153.6	57.8	50.4	49.2	47.1	42.6	38.3
42.5°	885.7	879.4	843.6	604.7	152.3	55.5	47.6	46.1	44.6	40.0	34.7
45°	984.0	973.6	928.5	664.0	139.4	58.0	44.9	42.3	42.1	37.8	31.2
47.5°	1168.0	1133.8	1057.3	709.6	126.5	64.6	41.8	38.8	40.5	35.5	27.6
50°	1425.8	1385.5	1274.7	745.1	126.2	73.2	41.3	35.5	39.3	33.7	24.6
52.5°	1684.8	1613.8	1479.2	764.1	135.6	79.6	45.9	32.2	37.8	31.9	22.3
55°	1932.9	1785.6	1564.9	701.2	142.9	86.4	54.2	30.4	35.0	29.9	21.0
57.5°	2169.3	1923.7	1602.1	554.7	167.5	89.2	59.3	31.2	30.9	27.4	20.0
60°	2201.7	1917.1	1526.9	322.6	184.7	84.4	57.3	34.7	27.1	24.3	18.2
62.5°	2079.1	1789.7	1355.3	201.2	171.6	82.6	50.9	39.5	24.6	21.5	16.0
65°	1892.8	1589.7	1130.0	129.8	130.0	91.7	44.6	38.8	23.1	19.0	13.7
67.5°	1601.6	1330.5	890.3	86.9	73.5	78.3	39.0	26.6	22.6	16.2	10.6
70°	1169.0	947.0	579.6	58.0	43.8	62.6	32.7	19.0	21.3	13.4	7.6
72.5°	854.5	636.3	323.6	38.0	24.8	36.5	24.1	13.7	16.5	9.9	5.3
75°	615.1	437.9	184.7	24.3	16.5	20.0	15.7	9.4	10.6	7.9	4.8
77.5°	296.0	213.4	83.9	13.4	11.2	10.1	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	102.9	102.4	102.9	103.4	103.9	104.4	103.6	104.2	104.7	103.4	103.9
5°	94.8	94.5	96.0	96.8	97.8	98.3	97.8	97.8	97.6	96.0	96.0
7.5°	87.7	87.9	89.2	91.0	92.2	93.0	92.5	92.2	91.5	89.2	89.2
10°	82.4	82.4	84.4	85.9	87.7	88.4	87.9	87.2	86.4	84.1	83.9
12.5°	78.1	78.1	79.6	82.1	84.1	85.1	84.9	83.9	82.6	80.3	80.1
15°	74.0	73.7	76.0	78.3	81.1	82.4	81.9	81.1	78.8	76.8	76.3
17.5°	69.9	69.7	71.7	74.8	77.8	79.6	79.3	77.5	75.5	73.0	72.5
20°	65.9	65.4	67.9	71.0	74.0	75.8	75.3	73.7	71.2	68.7	68.2
22.5°	61.8	61.6	63.4	65.9	68.7	70.2	69.9	68.7	66.1	63.9	63.9
25°	57.3	57.3	58.5	60.3	62.3	63.1	63.4	62.8	61.3	60.1	60.1
27.5°	53.5	52.7	53.2	53.7	54.7	56.0	56.0	56.5	56.8	56.3	56.5
30°	50.4	49.2	48.4	47.4	46.9	47.4	47.9	49.7	51.4	52.5	53.0
32.5°	46.9	45.4	43.3	40.5	38.8	38.3	39.8	43.1	46.4	48.7	49.9
35°	43.3	41.3	37.5	33.5	31.2	30.4	32.2	36.0	40.8	44.9	46.6
37.5°	39.8	37.0	31.7	26.9	24.3	23.8	25.6	29.7	35.2	40.8	43.1
40°	35.7	32.4	26.1	21.0	19.0	18.5	20.0	24.1	29.9	36.2	39.8
42.5°	31.7	27.6	21.0	16.7	14.7	14.7	16.7	19.8	25.1	31.9	36.2
45°	27.6	23.3	17.2	13.4	12.2	12.4	13.7	16.7	21.0	28.1	32.2
47.5°	23.8	20.0	14.2	11.2	10.1	10.4	11.9	14.4	18.0	24.3	28.6
50°	20.5	17.0	12.4	9.4	8.6	9.1	10.6	12.9	16.0	21.5	25.1
52.5°	18.5	15.2	11.4	8.1	7.6	8.1	9.6	11.7	14.4	19.0	22.6
55°	17.5	15.0	11.4	7.3	6.6	7.1	8.6	10.6	12.9	17.2	20.3
57.5°	17.2	15.5	12.2	6.6	5.6	6.1	7.6	9.6	11.9	15.7	18.2
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	7.3	9.9	13.4	16.0
65°	11.7	10.4	8.1	2.8	2.0	2.5	4.1	6.3	8.6	12.2	14.4
67.5°	8.6	7.3	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	10.1	12.4
72.5°	3.0	2.0	1.3	0.5	0.8	1.5	3.0	5.1	6.8	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	10.6
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	3.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	103.6	105.2	105.2	106.2	107.5	109.7	111.0	112.8	114.0	115.3	115.8
5°	95.8	96.0	96.3	96.8	98.3	100.9	103.1	105.9	109.2	111.8	113.3
7.5°	89.2	89.2	89.2	90.0	91.5	93.3	95.5	99.3	103.1	106.2	108.7
10°	83.6	84.4	84.6	85.9	87.7	90.0	92.5	95.8	100.1	104.2	108.7
12.5°	80.1	80.8	82.1	83.4	85.1	87.7	90.5	94.8	103.6	112.0	121.6
15°	76.8	77.8	79.3	81.1	83.1	85.9	89.0	97.8	118.6	134.3	149.5
17.5°	73.2	74.8	76.8	78.6	81.1	84.1	87.9	105.2	146.0	172.1	197.9
20°	68.7	70.7	73.0	75.8	78.8	82.4	87.9	120.4	185.5	223.0	257.2
22.5°	64.4	66.4	69.2	72.7	76.3	79.8	89.2	143.4	236.4	283.8	327.2
25°	60.8	63.4	66.1	69.2	73.2	77.3	92.2	175.9	297.8	358.8	389.5
27.5°	57.5	60.6	63.4	65.9	69.4	74.0	99.1	219.2	370.3	432.3	456.4
30°	54.2	57.8	60.6	63.1	66.7	71.5	109.5	274.5	450.8	511.2	513.7
32.5°	51.4	54.7	58.0	60.6	63.9	69.4	123.9	339.1	533.5	591.7	567.9
35°	48.4	52.2	55.2	58.0	61.6	67.7	140.6	408.8	616.8	665.7	621.9
37.5°	45.4	49.7	53.5	55.5	59.0	65.9	152.8	481.5	702.0	738.0	669.3
40°	42.6	47.4	51.7	53.7	55.5	63.6	154.6	556.0	788.4	809.2	713.9
42.5°	39.5	44.9	48.7	51.4	53.0	62.1	143.9	618.9	860.9	880.1	772.2
45°	36.2	42.6	45.6	47.6	50.7	63.1	130.3	667.5	943.7	976.9	868.2
47.5°	32.9	40.0	42.6	44.1	48.2	69.2	125.2	700.0	1080.3	1149.3	1030.2
50°	29.9	37.8	40.5	40.3	47.6	77.0	130.8	724.5	1285.6	1366.7	1252.2
52.5°	26.6	35.2	38.5	37.5	51.4	83.1	141.9	744.0	1443.5	1621.7	1550.4
55°	23.8	32.4	35.5	35.2	58.5	87.7	150.5	641.2	1508.9	1858.6	1886.5
57.5°	21.8	29.4	31.9	36.2	63.1	87.7	174.1	455.1	1510.1	2033.0	2332.5
60°	20.0	26.6	28.4	39.8	61.3	83.1	172.3	278.8	1391.8	2021.0	2569.7
62.5°	18.5	24.1	26.4	40.8	54.2	82.4	155.6	172.8	1187.0	1867.2	2397.6
65°	17.2	22.0	25.3	37.5	49.2	88.2	104.9	124.2	962.8	1691.8	2200.2
67.5°	16.0	20.3	26.9	30.7	44.6	78.8	75.8	88.2	755.7	1499.5	2019.0
70°	15.0	19.3	28.4	25.1	39.0	61.6	53.7	66.9	578.6	1251.1	1763.8
72.5°	14.2	18.0	23.8	19.8	31.7	47.6	37.5	48.7	378.1	976.7	1437.9
75°	13.4	16.5	17.5	16.0	23.6	31.2	28.4	32.7	225.3	713.9	1091.0
77.5°	13.2	15.5	14.2	12.9	16.0	18.5	21.5	22.0	110.0	357.1	571.7
80°	11.7	13.9	12.2	10.6	10.9	12.2	16.0	14.7	25.1	90.7	152.6
82.5°	9.1	10.9	10.1	8.9	8.9	8.9	10.6	9.9	8.1	40.8	68.9
85°	6.3	7.6	7.6	7.1	6.8	6.8	6.6	6.3	2.3	2.5	3.8
87.5°	4.3	5.3	5.6	5.3	4.6	4.1	3.5	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	117.6	118.3	118.3	117.3	116.6	114.5	112.5	110.5	110.0	109.7
5°	117.6	120.6	122.1	121.9	120.1	116.8	112.5	108.0	106.7	106.2
7.5°	115.8	121.6	126.2	127.0	123.7	117.8	110.0	103.1	101.4	100.6
10°	119.9	131.3	140.4	141.7	137.9	126.5	113.8	102.1	99.3	97.6
12.5°	141.7	160.4	171.6	176.9	169.5	155.1	134.1	113.3	106.9	104.2
15°	185.8	212.4	233.7	233.7	226.8	201.2	174.6	140.9	132.3	124.7
17.5°	242.3	275.7	294.5	292.4	282.1	264.1	232.1	183.7	166.2	158.4
20°	306.6	326.7	331.0	329.7	325.1	314.8	292.7	240.8	217.2	205.0
22.5°	362.4	357.1	350.7	345.7	344.4	347.4	344.4	304.4	285.9	264.3
25°	400.2	370.0	351.0	341.9	346.2	363.7	382.7	367.7	353.0	330.7
27.5°	420.7	368.5	341.1	331.7	339.1	363.9	405.2	430.6	415.4	404.7
30°	431.8	367.2	334.8	325.6	336.8	368.0	420.9	489.4	489.9	472.9
32.5°	447.8	375.3	336.0	327.7	342.6	380.1	440.7	549.2	563.9	554.7
35°	465.8	387.7	341.9	334.3	352.8	396.4	462.7	609.5	640.1	637.1
37.5°	482.8	401.7	355.6	348.2	368.2	410.3	484.0	668.8	711.4	722.0
40°	500.5	421.2	397.6	404.7	415.9	432.3	503.0	720.2	789.7	805.6
42.5°	542.3	488.9	524.8	538.3	539.8	505.8	544.6	786.1	866.7	885.7
45°	635.6	609.2	712.4	731.4	721.5	618.6	644.7	881.1	974.4	984.0
47.5°	753.4	765.6	969.1	1034.7	975.4	751.7	766.1	1081.1	1171.6	1168.0
50°	890.8	948.3	1260.5	1415.4	1273.4	924.5	906.0	1326.9	1436.7	1425.8
52.5°	1053.2	1160.7	1610.8	1830.7	1696.4	1118.9	1111.3	1652.6	1719.5	1684.8
55°	1257.7	1365.7	2013.7	2321.1	2130.0	1356.1	1382.2	2030.2	2043.1	1932.9
57.5°	1562.9	1633.1	2488.6	2883.4	2582.6	1678.4	1867.7	2532.7	2378.1	2169.3
60°	2116.8	1976.9	2947.6	3458.7	3064.1	2131.8	2508.1	2830.5	2489.6	2201.7
62.5°	2309.7	2268.9	3234.9	3702.0	3388.0	2504.1	2674.6	2661.7	2345.2	2079.1
65°	2017.5	2196.2	3183.5	3573.5	3346.4	2442.7	2400.2	2475.4	2182.5	1892.8
67.5°	1863.7	2025.4	2988.6	3219.0	3116.1	2234.7	2139.4	2118.9	1832.2	1601.6
70°	1708.6	1868.7	2706.0	2734.7	2686.8	1895.6	1770.4	1632.8	1369.5	1169.0
72.5°	1522.1	1610.2	2314.0	2178.2	2123.9	1488.9	1462.5	1229.6	1026.6	854.5
75°	1327.4	1301.8	1804.1	1494.9	1535.5	1158.4	1235.2	902.9	752.2	615.1
77.5°	965.5	946.5	1208.3	908.0	1005.6	758.7	681.7	360.4	343.1	296.0
80°	538.8	649.5	652.6	508.9	634.8	494.7	170.6	11.9	7.6	11.2
82.5°	250.4	279.3	353.8	235.9	362.1	245.1	35.2	0.0	0.0	0.0
85°	81.1	118.6	99.3	34.7	87.7	82.9	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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