

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: P629408

Luminaire Tested: GWS-SA1B-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629408
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.7 lumens
Efficiency: N/A
Efficacy: 88.8 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

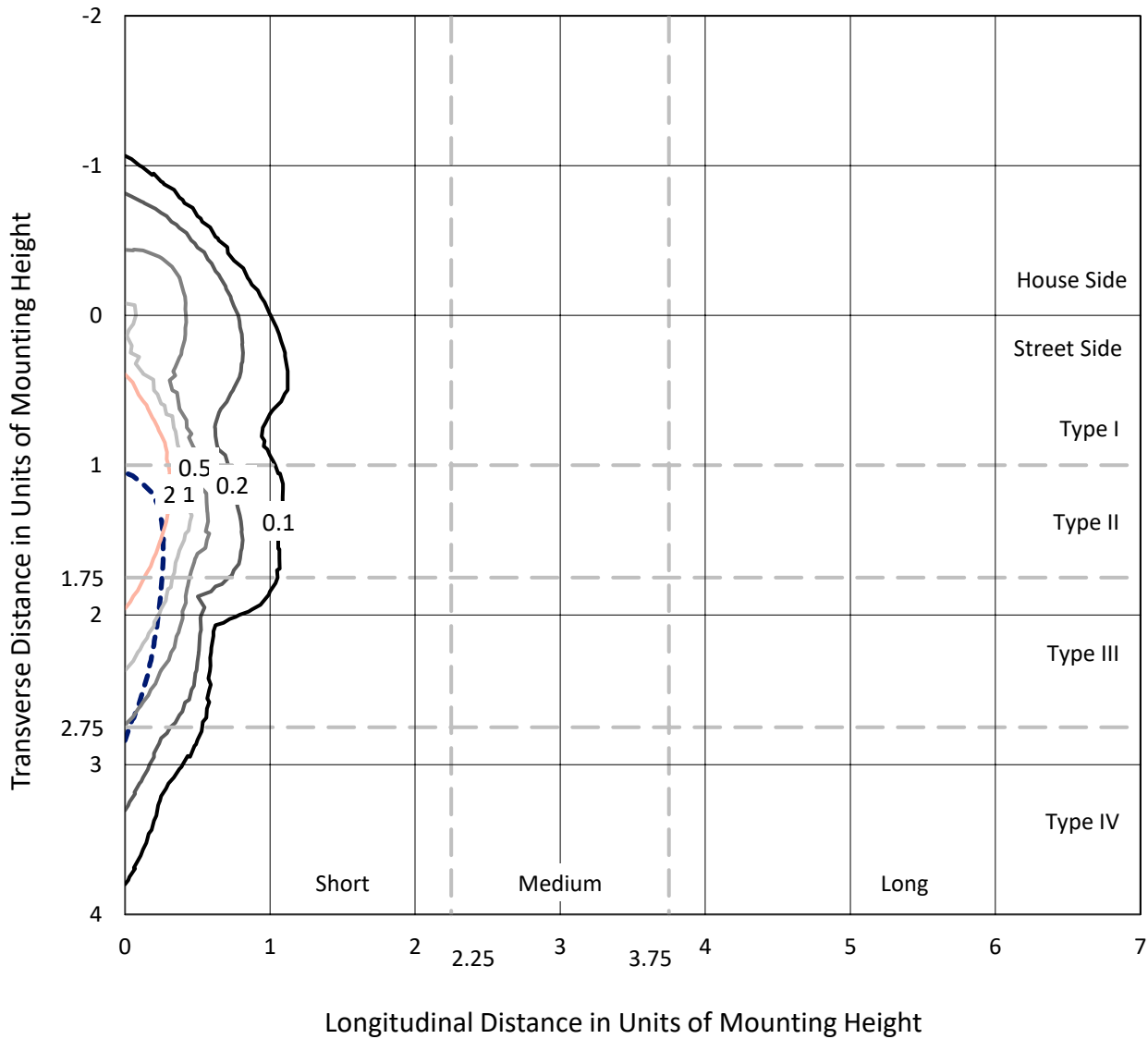
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

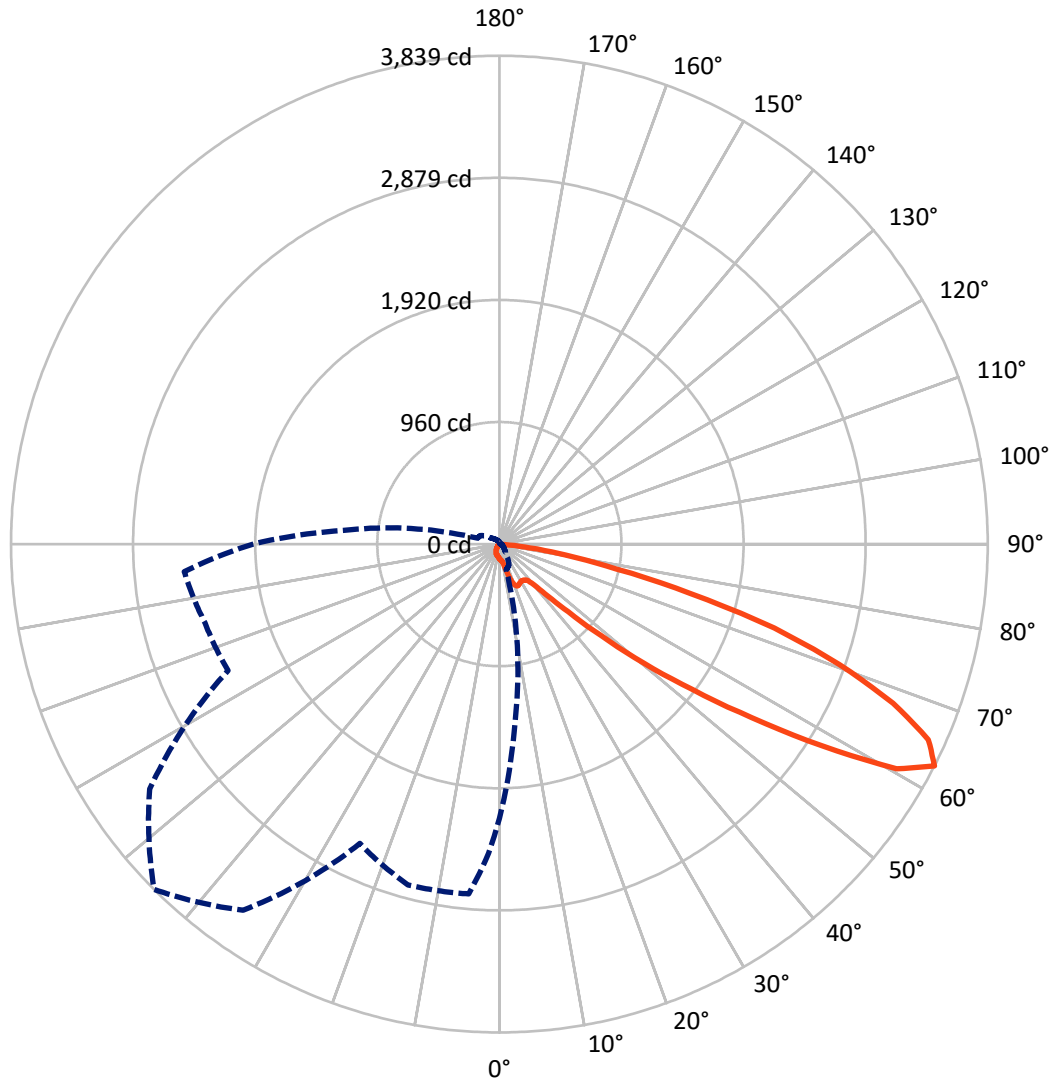
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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	257.9	0.0	257.9
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1961.8	0.0	1961.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	2219.7	0.0	2219.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	34.1	1.5
20°-30°	77.0	3.5
30°-40°	132.6	6.0
40°-50°	250.1	11.3
50°-60°	558.5	25.2
60°-70°	747.0	33.7
70°-80°	374.6	16.9
80°-90°	35.9	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°	2219.7	100.0
0°-180°	2219.7	100.0

Coefficient of Utilization



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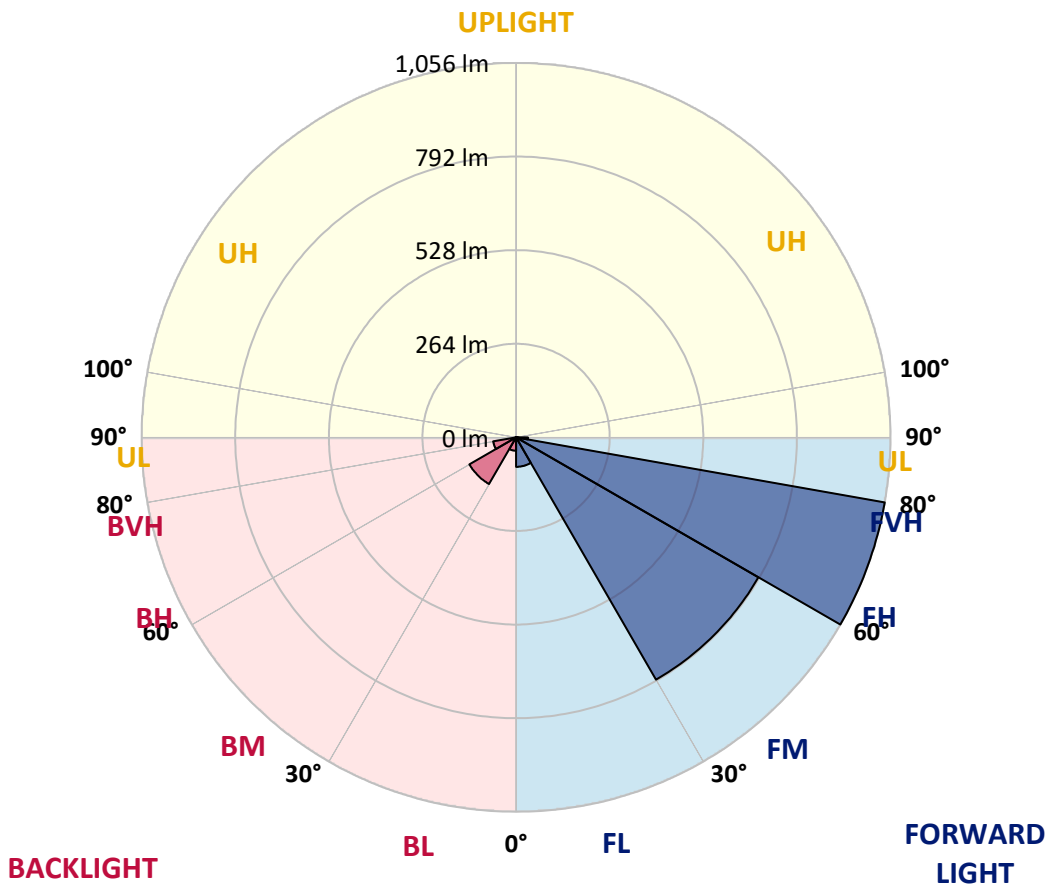
CATALOG NUMBER: GWS-SA1B-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.1	3.7			
FM (30°-60°)	789.2	35.6			
FH (60°-80°)	1056.0	47.6			G1/1800
FVH (80°-90°)	33.5	1.5			G1/100
BL (0°-30°)	37.9	1.7	B0/110		
BM (30°-60°)	152.1	6.9	B0/220		
BH (60°-80°)	65.6	3.0	B0/110		G0/110
BVH (80°-90°)	2.4	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	113.8	113.5	113.0	111.4	110.1	109.3	107.8	107.8	107.5	107.0	105.9
5°	110.1	109.1	108.0	105.1	102.0	100.1	98.0	97.8	97.8	97.2	97.0
7.5°	104.3	103.3	102.0	97.2	94.4	92.5	90.7	90.4	89.6	89.6	89.6
10°	101.2	99.6	97.5	92.3	89.4	87.8	86.5	85.7	85.2	84.4	84.1
12.5°	108.0	105.1	100.7	91.2	87.3	85.2	83.6	83.1	81.5	80.4	79.6
15°	129.3	122.2	113.3	93.6	86.5	83.3	81.2	80.2	78.8	77.0	75.7
17.5°	164.3	154.0	139.0	101.2	85.7	81.7	79.1	77.3	75.4	73.3	71.8
20°	212.6	197.4	179.5	115.1	85.7	79.9	76.7	74.4	71.8	69.4	67.5
22.5°	274.1	258.9	228.4	138.8	86.7	77.5	73.9	70.7	67.5	65.4	63.3
25°	343.0	321.4	293.0	167.4	89.6	74.4	70.4	67.3	64.4	61.8	59.4
27.5°	419.7	396.3	358.5	208.2	95.9	71.2	66.8	63.9	61.2	58.6	55.5
30°	490.4	476.5	437.9	257.0	106.2	69.1	63.9	61.2	58.6	55.2	52.3
32.5°	575.3	550.6	518.8	312.8	119.8	67.0	61.5	57.8	55.7	52.6	49.4
35°	660.7	639.7	597.9	381.4	135.1	64.9	58.6	55.2	53.4	49.7	46.3
37.5°	748.8	744.1	702.8	457.3	150.1	62.6	55.2	53.1	51.3	47.0	43.1
40°	835.5	826.8	788.7	544.0	159.3	59.9	52.3	51.0	48.9	44.2	39.7
42.5°	918.6	912.0	874.9	627.1	158.0	57.6	49.4	47.8	46.3	41.5	36.0
45°	1020.5	1009.8	963.0	688.6	144.6	60.2	46.5	43.9	43.6	39.2	32.3
47.5°	1211.4	1175.9	1096.5	735.9	131.1	67.0	43.4	40.2	42.1	36.8	28.6
50°	1478.6	1436.9	1322.0	772.7	130.9	76.0	42.8	36.8	40.7	35.0	25.5
52.5°	1747.3	1673.7	1534.1	792.4	140.6	82.5	47.6	33.4	39.2	33.1	23.1
55°	2004.6	1851.9	1622.9	727.2	148.2	89.6	56.2	31.5	36.3	31.0	21.8
57.5°	2249.8	1995.1	1661.6	575.3	173.7	92.5	61.5	32.3	32.1	28.4	20.8
60°	2283.4	1988.3	1583.5	334.6	191.6	87.5	59.4	36.0	28.1	25.2	18.9
62.5°	2156.2	1856.1	1405.6	208.7	177.9	85.7	52.8	41.0	25.5	22.3	16.6
65°	1963.0	1648.7	1171.9	134.6	134.8	95.1	46.3	40.2	23.9	19.7	14.2
67.5°	1661.0	1379.8	923.3	90.1	76.2	81.2	40.5	27.6	23.4	16.8	11.0
70°	1212.4	982.2	601.1	60.2	45.5	64.9	33.9	19.7	22.1	13.9	7.9
72.5°	886.2	660.0	335.6	39.4	25.8	37.8	25.0	14.2	17.1	10.3	5.5
75°	637.9	454.2	191.6	25.2	17.1	20.8	16.3	9.7	11.0	8.1	5.0
77.5°	307.0	221.3	87.0	13.9	11.6	10.5	8.7	6.0	6.8	7.4	4.5
80°	11.6	8.7	6.6	6.8	7.4	4.7	3.9	3.2	3.9	5.0	2.4
82.5°	0.0	0.0	0.0	0.8	1.1	1.3	1.6	1.3	1.6	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	106.7	106.2	106.7	107.2	107.8	108.3	107.5	108.0	108.5	107.2	107.8
5°	98.3	98.0	99.6	100.4	101.4	102.0	101.4	101.4	101.2	99.6	99.6
7.5°	90.9	91.2	92.5	94.4	95.7	96.5	95.9	95.7	94.9	92.5	92.5
10°	85.4	85.4	87.5	89.1	90.9	91.7	91.2	90.4	89.6	87.3	87.0
12.5°	80.9	80.9	82.5	85.2	87.3	88.3	88.0	87.0	85.7	83.3	83.1
15°	76.7	76.5	78.8	81.2	84.1	85.4	84.9	84.1	81.7	79.6	79.1
17.5°	72.5	72.3	74.4	77.5	80.7	82.5	82.3	80.4	78.3	75.7	75.2
20°	68.3	67.8	70.4	73.6	76.7	78.6	78.1	76.5	73.9	71.2	70.7
22.5°	64.1	63.9	65.7	68.3	71.2	72.8	72.5	71.2	68.6	66.2	66.2
25°	59.4	59.4	60.7	62.6	64.7	65.4	65.7	65.2	63.6	62.3	62.3
27.5°	55.5	54.7	55.2	55.7	56.8	58.1	58.1	58.6	58.9	58.3	58.6
30°	52.3	51.0	50.2	49.1	48.6	49.1	49.7	51.5	53.4	54.4	54.9
32.5°	48.6	47.0	44.9	42.1	40.2	39.7	41.3	44.7	48.1	50.5	51.8
35°	44.9	42.8	38.9	34.7	32.3	31.5	33.4	37.3	42.3	46.5	48.4
37.5°	41.3	38.4	32.9	27.9	25.2	24.7	26.5	30.8	36.5	42.3	44.7
40°	37.1	33.6	27.1	21.8	19.7	19.2	20.8	25.0	31.0	37.6	41.3
42.5°	32.9	28.6	21.8	17.3	15.2	15.2	17.3	20.5	26.0	33.1	37.6
45°	28.6	24.2	17.9	13.9	12.6	12.9	14.2	17.3	21.8	29.2	33.4
47.5°	24.7	20.8	14.7	11.6	10.5	10.8	12.4	15.0	18.7	25.2	29.7
50°	21.3	17.6	12.9	9.7	8.9	9.5	11.0	13.4	16.6	22.3	26.0
52.5°	19.2	15.8	11.8	8.4	7.9	8.4	10.0	12.1	15.0	19.7	23.4
55°	18.1	15.5	11.8	7.6	6.8	7.4	8.9	11.0	13.4	17.9	21.0
57.5°	17.9	16.0	12.6	6.8	5.8	6.3	7.9	10.0	12.4	16.3	18.9
60°	16.8	15.2	12.4	5.5	4.5	5.3	6.6	8.7	11.3	15.2	17.6
62.5°	14.7	13.4	10.8	4.5	3.4	3.9	5.5	7.6	10.3	13.9	16.6
65°	12.1	10.8	8.4	2.9	2.1	2.6	4.2	6.6	8.9	12.6	15.0
67.5°	8.9	7.6	5.8	1.8	1.1	1.8	3.4	5.5	8.1	11.3	13.7
70°	5.5	4.5	3.2	1.1	0.8	1.6	3.2	5.3	7.4	10.5	12.9
72.5°	3.2	2.1	1.3	0.5	0.8	1.6	3.2	5.3	7.1	10.0	12.1
75°	2.4	1.3	0.5	0.3	0.5	1.3	2.9	4.7	6.8	9.5	11.6
77.5°	1.6	0.8	0.3	0.0	0.3	1.1	2.6	4.5	6.3	8.9	11.0
80°	0.3	0.0	0.0	0.0	0.0	0.8	2.4	3.9	5.8	7.9	9.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.8	3.4	5.0	6.6	7.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.6	3.9	5.0	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.2	3.7
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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	107.5	109.1	109.1	110.1	111.4	113.8	115.1	117.0	118.3	119.6	120.1
5°	99.3	99.6	99.9	100.4	102.0	104.6	107.0	109.9	113.3	115.9	117.5
7.5°	92.5	92.5	92.5	93.3	94.9	96.7	99.1	103.0	107.0	110.1	112.8
10°	86.7	87.5	87.8	89.1	90.9	93.3	95.9	99.3	103.8	108.0	112.8
12.5°	83.1	83.8	85.2	86.5	88.3	90.9	93.8	98.3	107.5	116.2	126.2
15°	79.6	80.7	82.3	84.1	86.2	89.1	92.3	101.4	123.0	139.3	155.1
17.5°	76.0	77.5	79.6	81.5	84.1	87.3	91.2	109.1	151.4	178.5	205.3
20°	71.2	73.3	75.7	78.6	81.7	85.4	91.2	124.8	192.4	231.3	266.8
22.5°	66.8	68.9	71.8	75.4	79.1	82.8	92.5	148.8	245.2	294.4	339.3
25°	63.1	65.7	68.6	71.8	76.0	80.2	95.7	182.4	308.8	372.2	404.0
27.5°	59.7	62.8	65.7	68.3	72.0	76.7	102.8	227.3	384.0	448.4	473.3
30°	56.2	59.9	62.8	65.4	69.1	74.1	113.5	284.6	467.6	530.1	532.7
32.5°	53.4	56.8	60.2	62.8	66.2	72.0	128.5	351.7	553.2	613.7	589.0
35°	50.2	54.1	57.3	60.2	63.9	70.2	145.9	423.9	639.7	690.4	645.0
37.5°	47.0	51.5	55.5	57.6	61.2	68.3	158.5	499.4	728.0	765.3	694.1
40°	44.2	49.1	53.6	55.7	57.6	66.0	160.3	576.6	817.6	839.2	740.4
42.5°	41.0	46.5	50.5	53.4	54.9	64.4	149.3	641.8	892.8	912.8	800.8
45°	37.6	44.2	47.3	49.4	52.6	65.4	135.1	692.3	978.8	1013.2	900.4
47.5°	34.2	41.5	44.2	45.7	49.9	71.8	129.8	725.9	1120.4	1191.9	1068.4
50°	31.0	39.2	42.1	41.8	49.4	79.9	135.6	751.4	1333.3	1417.4	1298.6
52.5°	27.6	36.5	39.9	38.9	53.4	86.2	147.2	771.7	1497.0	1681.8	1608.0
55°	24.7	33.6	36.8	36.5	60.7	90.9	156.1	664.9	1564.9	1927.5	1956.5
57.5°	22.6	30.5	33.1	37.6	65.4	90.9	180.6	472.0	1566.2	2108.4	2419.0
60°	20.8	27.6	29.4	41.3	63.6	86.2	178.7	289.1	1443.4	2096.0	2665.0
62.5°	19.2	25.0	27.3	42.3	56.2	85.4	161.4	179.2	1231.1	1936.5	2486.6
65°	17.9	22.9	26.3	38.9	51.0	91.5	108.8	128.8	998.5	1754.6	2281.8
67.5°	16.6	21.0	27.9	31.8	46.3	81.7	78.6	91.5	783.7	1555.1	2093.9
70°	15.5	20.0	29.4	26.0	40.5	63.9	55.7	69.4	600.0	1297.6	1829.3
72.5°	14.7	18.7	24.7	20.5	32.9	49.4	38.9	50.5	392.1	1012.9	1491.3
75°	13.9	17.1	18.1	16.6	24.4	32.3	29.4	33.9	233.7	740.4	1131.5
77.5°	13.7	16.0	14.7	13.4	16.6	19.2	22.3	22.9	114.1	370.3	592.9
80°	12.1	14.5	12.6	11.0	11.3	12.6	16.6	15.2	26.0	94.1	158.2
82.5°	9.5	11.3	10.5	9.2	9.2	9.2	11.0	10.3	8.4	42.3	71.5
85°	6.6	7.9	7.9	7.4	7.1	7.1	6.8	6.6	2.4	2.6	3.9
87.5°	4.5	5.5	5.8	5.5	4.7	4.2	3.7	3.2	1.1	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	122.0	122.7	122.7	121.7	120.9	118.8	116.7	114.6	114.1	113.8
5°	122.0	125.1	126.7	126.4	124.6	121.2	116.7	112.0	110.6	110.1
7.5°	120.1	126.2	130.9	131.7	128.3	122.2	114.1	107.0	105.1	104.3
10°	124.3	136.1	145.6	146.9	143.0	131.1	118.0	105.9	103.0	101.2
12.5°	146.9	166.4	177.9	183.5	175.8	160.8	139.0	117.5	110.9	108.0
15°	192.6	220.2	242.3	242.3	235.2	208.7	181.1	146.1	137.2	129.3
17.5°	251.3	286.0	305.4	303.3	292.5	273.9	240.7	190.5	172.4	164.3
20°	318.0	338.8	343.2	341.9	337.2	326.4	303.6	249.7	225.2	212.6
22.5°	375.8	370.3	363.7	358.5	357.2	360.3	357.2	315.7	296.5	274.1
25°	415.0	383.7	364.0	354.5	359.0	377.2	396.9	381.4	366.1	343.0
27.5°	436.3	382.1	353.8	344.0	351.7	377.4	420.3	446.5	430.8	419.7
30°	447.9	380.8	347.2	337.7	349.3	381.6	436.6	507.5	508.0	490.4
32.5°	464.4	389.2	348.5	339.8	355.3	394.2	457.1	569.5	584.8	575.3
35°	483.1	402.1	354.5	346.7	365.9	411.1	479.9	632.1	663.9	660.7
37.5°	500.7	416.6	368.7	361.1	381.9	425.5	502.0	693.6	737.7	748.8
40°	519.1	436.8	412.4	419.7	431.3	448.4	521.7	746.9	819.0	835.5
42.5°	562.4	507.0	544.3	558.2	559.8	524.6	564.8	815.3	898.9	918.6
45°	659.2	631.8	738.8	758.5	748.3	641.6	668.6	913.8	1010.6	1020.5
47.5°	781.4	794.0	1005.0	1073.1	1011.6	779.5	794.5	1121.2	1215.0	1211.4
50°	923.8	983.5	1307.3	1467.9	1320.7	958.8	939.6	1376.1	1489.9	1478.6
52.5°	1092.3	1203.7	1670.5	1898.6	1759.3	1160.4	1152.5	1713.9	1783.3	1747.3
55°	1304.4	1416.4	2088.4	2407.2	2209.0	1406.4	1433.4	2105.5	2118.9	2004.6
57.5°	1620.8	1693.6	2580.9	2990.4	2678.4	1740.7	1937.0	2626.7	2466.3	2249.8
60°	2195.4	2050.3	3056.9	3587.0	3177.8	2210.9	2601.2	2935.5	2582.0	2283.4
62.5°	2395.4	2353.1	3354.9	3839.3	3513.7	2597.0	2773.8	2760.4	2432.2	2156.2
65°	2092.3	2277.6	3301.6	3706.1	3470.6	2533.4	2489.2	2567.3	2263.4	1963.0
67.5°	1932.8	2100.5	3099.5	3338.4	3231.7	2317.6	2218.8	2197.5	1900.2	1661.0
70°	1772.0	1938.1	2806.4	2836.1	2786.5	1965.9	1836.1	1693.4	1420.3	1212.4
72.5°	1578.5	1670.0	2399.8	2259.0	2202.7	1544.1	1516.8	1275.2	1064.7	886.2
75°	1376.7	1350.1	1871.0	1550.4	1592.4	1201.4	1281.0	936.4	780.1	637.9
77.5°	1001.4	981.6	1253.1	941.7	1042.9	786.9	707.0	373.7	355.9	307.0
80°	558.8	673.6	676.8	527.8	658.4	513.0	176.9	12.4	7.9	11.6
82.5°	259.7	289.6	366.9	244.7	375.6	254.2	36.5	0.0	0.0	0.0
85°	84.1	123.0	103.0	36.0	90.9	85.9	6.0	0.0	0.0	0.0
87.5°	5.0	10.3	2.6	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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