

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: P628913

Luminaire Tested: GWS-SA1A-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628913
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-SA1A-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: 1761.3 lumens
Efficiency: N/A
Efficacy: 89.4 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

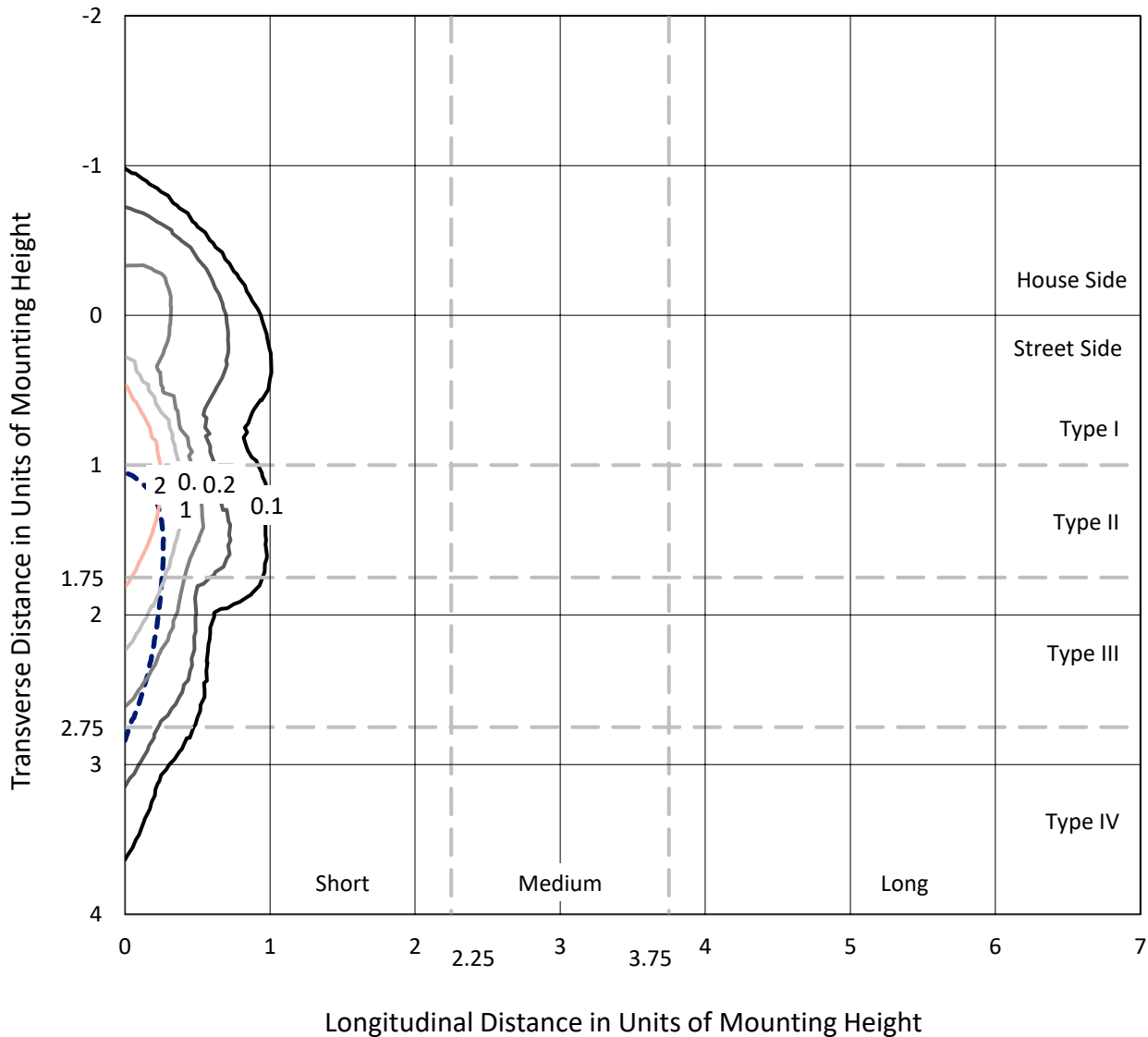
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

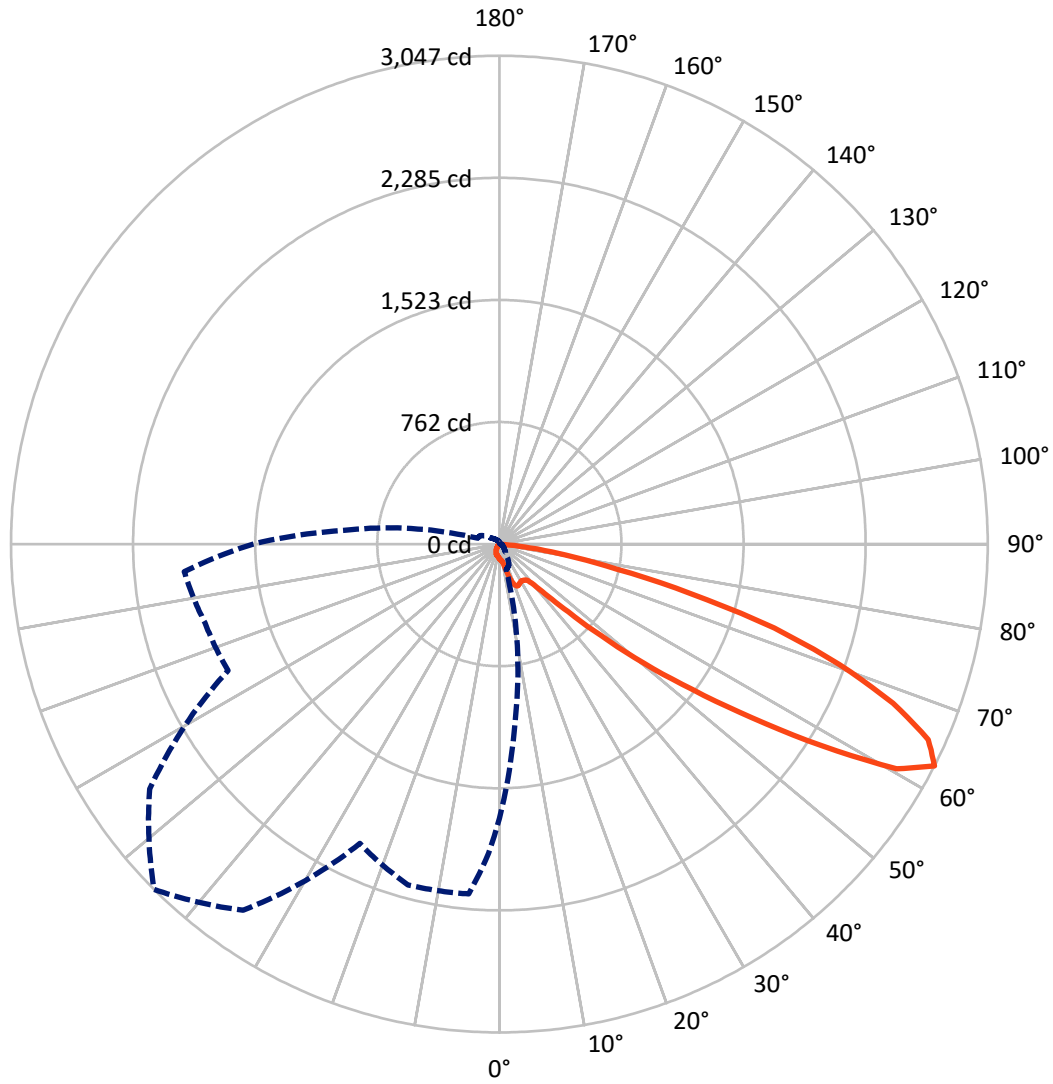
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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	204.6	0.0	204.6
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1556.7	0.0	1556.7
	% Fixture	88.4	0.0	88.4
Total	Lumens	1761.3	0.0	1761.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.4
10°-20°	27.0	1.5
20°-30°	61.1	3.5
30°-40°	105.2	6.0
40°-50°	198.5	11.3
50°-60°	443.2	25.2
60°-70°	592.7	33.7
70°-80°	297.2	16.9
80°-90°	28.5	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°	1761.3	100.0
0°-180°	1761.3	100.0

Coefficient of Utilization



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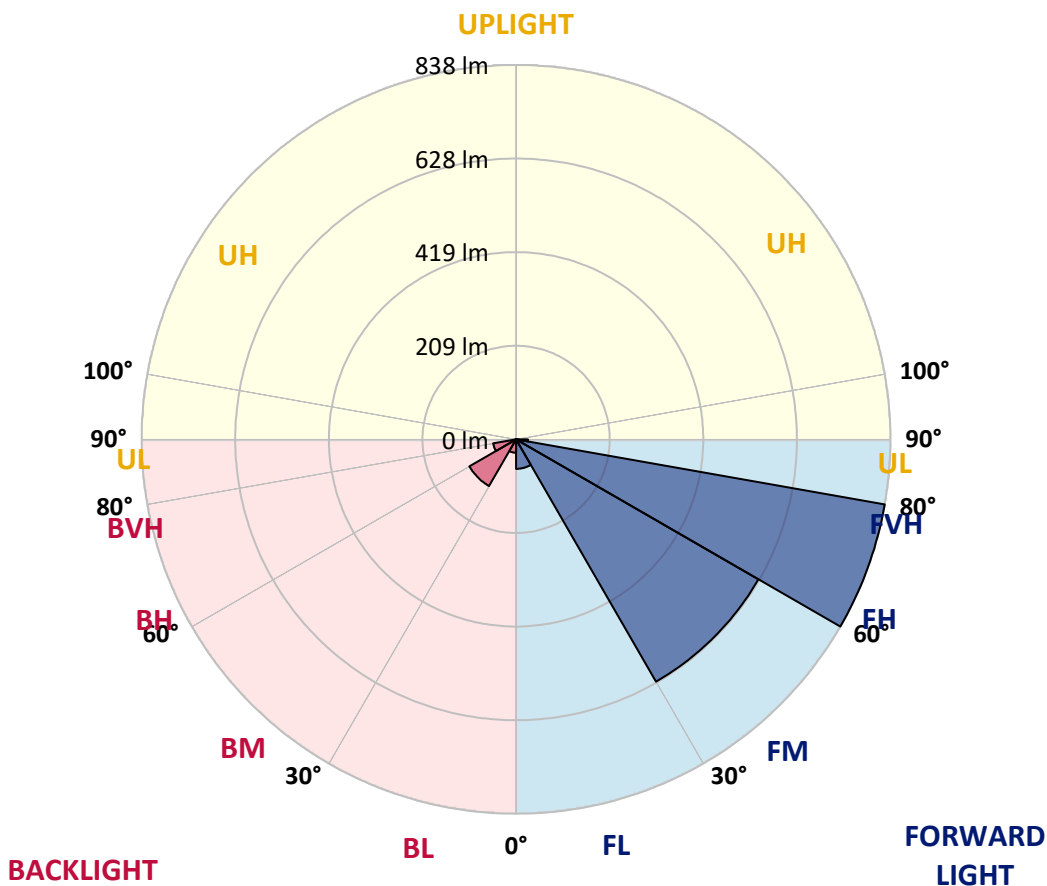
CATALOG NUMBER: GWS-SA1A-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.0	3.7			
FM (30°-60°)	626.2	35.6			
FH (60°-80°)	837.9	47.6			G1/1800
FVH (80°-90°)	26.6	1.5			G1/100
BL (0°-30°)	30.0	1.7	B0/110		
BM (30°-60°)	120.7	6.9	B0/220		
BH (60°-80°)	52.0	3.0	B0/110		G0/110
BVH (80°-90°)	1.9	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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	90.3	90.1	89.7	88.4	87.4	86.8	85.5	85.5	85.3	84.9	84.0
5°	87.4	86.5	85.7	83.4	80.9	79.5	77.8	77.6	77.6	77.2	77.0
7.5°	82.8	82.0	80.9	77.2	74.9	73.4	71.9	71.7	71.1	71.1	71.1
10°	80.3	79.0	77.4	73.2	70.9	69.7	68.6	68.0	67.6	66.9	66.7
12.5°	85.7	83.4	79.9	72.4	69.2	67.6	66.3	65.9	64.6	63.8	63.2
15°	102.6	97.0	89.9	74.2	68.6	66.1	64.4	63.6	62.6	61.1	60.1
17.5°	130.3	122.2	110.3	80.3	68.0	64.9	62.8	61.3	59.9	58.2	56.9
20°	168.7	156.6	142.4	91.3	68.0	63.4	60.9	59.0	56.9	55.1	53.6
22.5°	217.5	205.4	181.2	110.1	68.8	61.5	58.6	56.1	53.6	51.9	50.3
25°	272.2	255.1	232.5	132.8	71.1	59.0	55.9	53.4	51.1	49.0	47.1
27.5°	333.0	314.5	284.5	165.2	76.1	56.5	53.0	50.7	48.6	46.5	44.0
30°	389.1	378.1	347.4	204.0	84.3	54.8	50.7	48.6	46.5	43.8	41.5
32.5°	456.5	436.9	411.7	248.2	95.1	53.2	48.8	45.9	44.2	41.7	39.2
35°	524.3	507.6	474.4	302.6	107.2	51.5	46.5	43.8	42.3	39.4	36.7
37.5°	594.2	590.4	557.7	362.9	119.1	49.6	43.8	42.1	40.7	37.3	34.2
40°	663.0	656.1	625.8	431.7	126.4	47.5	41.5	40.5	38.8	35.0	31.5
42.5°	728.9	723.7	694.3	497.6	125.3	45.7	39.2	38.0	36.7	33.0	28.6
45°	809.8	801.2	764.1	546.4	114.7	47.8	36.9	34.8	34.6	31.1	25.7
47.5°	961.2	933.0	870.1	583.9	104.1	53.2	34.4	31.9	33.4	29.2	22.7
50°	1173.3	1140.1	1049.0	613.1	103.9	60.3	34.0	29.2	32.3	27.7	20.2
52.5°	1386.4	1328.0	1217.3	628.8	111.6	65.5	37.7	26.5	31.1	26.3	18.4
55°	1590.6	1469.4	1287.8	577.0	117.6	71.1	44.6	25.0	28.8	24.6	17.3
57.5°	1785.2	1583.1	1318.4	456.5	137.8	73.4	48.8	25.7	25.4	22.5	16.5
60°	1811.9	1577.7	1256.5	265.5	152.0	69.4	47.1	28.6	22.3	20.0	15.0
62.5°	1710.9	1472.8	1115.3	165.6	141.2	68.0	41.9	32.5	20.2	17.7	13.1
65°	1557.6	1308.2	929.9	106.8	107.0	75.5	36.7	31.9	19.0	15.6	11.3
67.5°	1318.0	1094.9	732.6	71.5	60.5	64.4	32.1	21.9	18.6	13.3	8.8
70°	962.0	779.3	476.9	47.8	36.1	51.5	26.9	15.6	17.5	11.1	6.3
72.5°	703.2	523.7	266.3	31.3	20.4	30.0	19.8	11.3	13.6	8.1	4.4
75°	506.1	360.4	152.0	20.0	13.6	16.5	12.9	7.7	8.8	6.5	4.0
77.5°	243.6	175.6	69.0	11.1	9.2	8.3	6.9	4.8	5.4	5.8	3.5
80°	9.2	6.9	5.2	5.4	5.8	3.8	3.1	2.5	3.1	4.0	1.9
82.5°	0.0	0.0	0.0	0.6	0.8	1.0	1.3	1.0	1.3	1.5	0.2
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	84.7	84.3	84.7	85.1	85.5	85.9	85.3	85.7	86.1	85.1	85.5
5°	78.0	77.8	79.0	79.7	80.5	80.9	80.5	80.5	80.3	79.0	79.0
7.5°	72.2	72.4	73.4	74.9	75.9	76.5	76.1	75.9	75.3	73.4	73.4
10°	67.8	67.8	69.4	70.7	72.2	72.8	72.4	71.7	71.1	69.2	69.0
12.5°	64.2	64.2	65.5	67.6	69.2	70.1	69.9	69.0	68.0	66.1	65.9
15°	60.9	60.7	62.6	64.4	66.7	67.8	67.4	66.7	64.9	63.2	62.8
17.5°	57.6	57.4	59.0	61.5	64.0	65.5	65.3	63.8	62.1	60.1	59.6
20°	54.2	53.8	55.9	58.4	60.9	62.4	61.9	60.7	58.6	56.5	56.1
22.5°	50.9	50.7	52.1	54.2	56.5	57.8	57.6	56.5	54.4	52.6	52.6
25°	47.1	47.1	48.2	49.6	51.3	51.9	52.1	51.7	50.5	49.4	49.4
27.5°	44.0	43.4	43.8	44.2	45.0	46.1	46.1	46.5	46.7	46.3	46.5
30°	41.5	40.5	39.8	39.0	38.6	39.0	39.4	40.9	42.3	43.2	43.6
32.5°	38.6	37.3	35.7	33.4	31.9	31.5	32.7	35.5	38.2	40.0	41.1
35°	35.7	34.0	30.9	27.5	25.7	25.0	26.5	29.6	33.6	36.9	38.4
37.5°	32.7	30.4	26.1	22.1	20.0	19.6	21.1	24.4	29.0	33.6	35.5
40°	29.4	26.7	21.5	17.3	15.6	15.2	16.5	19.8	24.6	29.8	32.7
42.5°	26.1	22.7	17.3	13.8	12.1	12.1	13.8	16.3	20.6	26.3	29.8
45°	22.7	19.2	14.2	11.1	10.0	10.2	11.3	13.8	17.3	23.1	26.5
47.5°	19.6	16.5	11.7	9.2	8.3	8.6	9.8	11.9	14.8	20.0	23.6
50°	16.9	14.0	10.2	7.7	7.1	7.5	8.8	10.6	13.1	17.7	20.6
52.5°	15.2	12.5	9.4	6.7	6.3	6.7	7.9	9.6	11.9	15.6	18.6
55°	14.4	12.3	9.4	6.0	5.4	5.8	7.1	8.8	10.6	14.2	16.7
57.5°	14.2	12.7	10.0	5.4	4.6	5.0	6.3	7.9	9.8	12.9	15.0
60°	13.3	12.1	9.8	4.4	3.5	4.2	5.2	6.9	9.0	12.1	14.0
62.5°	11.7	10.6	8.6	3.5	2.7	3.1	4.4	6.0	8.1	11.1	13.1
65°	9.6	8.6	6.7	2.3	1.7	2.1	3.3	5.2	7.1	10.0	11.9
67.5°	7.1	6.0	4.6	1.5	0.8	1.5	2.7	4.4	6.5	9.0	10.8
70°	4.4	3.5	2.5	0.8	0.6	1.3	2.5	4.2	5.8	8.3	10.2
72.5°	2.5	1.7	1.0	0.4	0.6	1.3	2.5	4.2	5.6	7.9	9.6
75°	1.9	1.0	0.4	0.2	0.4	1.0	2.3	3.8	5.4	7.5	9.2
77.5°	1.3	0.6	0.2	0.0	0.2	0.8	2.1	3.5	5.0	7.1	8.8
80°	0.2	0.0	0.0	0.0	0.0	0.6	1.9	3.1	4.6	6.3	7.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.5	2.7	4.0	5.2	6.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.1	4.0	4.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.5	2.9
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	85.3	86.5	86.5	87.4	88.4	90.3	91.3	92.8	93.8	94.9	95.3
5°	78.8	79.0	79.2	79.7	80.9	83.0	84.9	87.2	89.9	92.0	93.2
7.5°	73.4	73.4	73.4	74.0	75.3	76.7	78.6	81.8	84.9	87.4	89.5
10°	68.8	69.4	69.7	70.7	72.2	74.0	76.1	78.8	82.4	85.7	89.5
12.5°	65.9	66.5	67.6	68.6	70.1	72.2	74.5	78.0	85.3	92.2	100.1
15°	63.2	64.0	65.3	66.7	68.4	70.7	73.2	80.5	97.6	110.5	123.0
17.5°	60.3	61.5	63.2	64.6	66.7	69.2	72.4	86.5	120.1	141.6	162.9
20°	56.5	58.2	60.1	62.4	64.9	67.8	72.4	99.1	152.7	183.5	211.7
22.5°	53.0	54.6	56.9	59.9	62.8	65.7	73.4	118.0	194.6	233.6	269.2
25°	50.1	52.1	54.4	56.9	60.3	63.6	75.9	144.7	245.0	295.3	320.5
27.5°	47.3	49.8	52.1	54.2	57.1	60.9	81.5	180.4	304.7	355.8	375.6
30°	44.6	47.5	49.8	51.9	54.8	58.8	90.1	225.9	371.0	420.6	422.7
32.5°	42.3	45.0	47.8	49.8	52.6	57.1	102.0	279.0	439.0	487.0	467.4
35°	39.8	43.0	45.5	47.8	50.7	55.7	115.7	336.4	507.6	547.9	511.8
37.5°	37.3	40.9	44.0	45.7	48.6	54.2	125.8	396.2	577.7	607.3	550.8
40°	35.0	39.0	42.5	44.2	45.7	52.3	127.2	457.6	648.8	665.9	587.5
42.5°	32.5	36.9	40.0	42.3	43.6	51.1	118.5	509.3	708.4	724.3	635.4
45°	29.8	35.0	37.5	39.2	41.7	51.9	107.2	549.3	776.6	803.9	714.5
47.5°	27.1	33.0	35.0	36.3	39.6	56.9	103.0	576.0	889.0	945.8	847.7
50°	24.6	31.1	33.4	33.2	39.2	63.4	107.6	596.2	1058.0	1124.7	1030.4
52.5°	21.9	29.0	31.7	30.9	42.3	68.4	116.8	612.3	1187.9	1334.5	1275.9
55°	19.6	26.7	29.2	29.0	48.2	72.2	123.9	527.6	1241.7	1529.5	1552.4
57.5°	17.9	24.2	26.3	29.8	51.9	72.2	143.3	374.6	1242.7	1673.0	1919.5
60°	16.5	21.9	23.4	32.7	50.5	68.4	141.8	229.4	1145.3	1663.2	2114.7
62.5°	15.2	19.8	21.7	33.6	44.6	67.8	128.0	142.2	976.8	1536.6	1973.1
65°	14.2	18.1	20.9	30.9	40.5	72.6	86.3	102.2	792.3	1392.3	1810.6
67.5°	13.1	16.7	22.1	25.2	36.7	64.9	62.4	72.6	621.9	1234.0	1661.5
70°	12.3	15.8	23.4	20.6	32.1	50.7	44.2	55.1	476.1	1029.6	1451.5
72.5°	11.7	14.8	19.6	16.3	26.1	39.2	30.9	40.0	311.2	803.7	1183.3
75°	11.1	13.6	14.4	13.1	19.4	25.7	23.4	26.9	185.4	587.5	897.8
77.5°	10.8	12.7	11.7	10.6	13.1	15.2	17.7	18.1	90.5	293.8	470.5
80°	9.6	11.5	10.0	8.8	9.0	10.0	13.1	12.1	20.6	74.7	125.5
82.5°	7.5	9.0	8.3	7.3	7.3	7.3	8.8	8.1	6.7	33.6	56.7
85°	5.2	6.3	6.3	5.8	5.6	5.6	5.4	5.2	1.9	2.1	3.1
87.5°	3.5	4.4	4.6	4.4	3.8	3.3	2.9	2.5	0.8	0.0	0.4
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	96.8	97.4	97.4	96.6	95.9	94.3	92.6	90.9	90.5	90.3
5°	96.8	99.3	100.5	100.3	98.9	96.1	92.6	88.8	87.8	87.4
7.5°	95.3	100.1	103.9	104.5	101.8	97.0	90.5	84.9	83.4	82.8
10°	98.6	108.0	115.5	116.6	113.4	104.1	93.6	84.0	81.8	80.3
12.5°	116.6	132.0	141.2	145.6	139.5	127.6	110.3	93.2	88.0	85.7
15°	152.9	174.8	192.3	192.3	186.6	165.6	143.7	116.0	108.9	102.6
17.5°	199.4	226.9	242.3	240.7	232.1	217.3	191.0	151.2	136.8	130.3
20°	252.3	268.8	272.4	271.3	267.6	259.0	240.9	198.1	178.7	168.7
22.5°	298.2	293.8	288.6	284.5	283.4	285.9	283.4	250.5	235.2	217.5
25°	329.3	304.5	288.8	281.3	284.9	299.3	314.9	302.6	290.5	272.2
27.5°	346.2	303.2	280.7	273.0	279.0	299.5	333.5	354.3	341.8	333.0
30°	355.4	302.2	275.5	268.0	277.2	302.8	346.4	402.7	403.1	389.1
32.5°	368.5	308.9	276.5	269.7	282.0	312.8	362.7	451.9	464.0	456.5
35°	383.3	319.1	281.3	275.1	290.3	326.2	380.8	501.6	526.8	524.3
37.5°	397.3	330.5	292.6	286.5	303.0	337.6	398.3	550.4	585.4	594.2
40°	411.9	346.6	327.2	333.0	342.2	355.8	414.0	592.7	649.8	663.0
42.5°	446.3	402.3	431.9	443.0	444.2	416.3	448.2	646.9	713.2	728.9
45°	523.0	501.3	586.2	601.9	593.7	509.1	530.5	725.1	801.9	809.8
47.5°	620.0	630.0	797.5	851.5	802.7	618.6	630.4	889.7	964.1	961.2
50°	733.0	780.4	1037.3	1164.7	1047.9	760.8	745.6	1092.0	1182.3	1173.3
52.5°	866.7	955.1	1325.5	1506.5	1396.0	920.7	914.5	1359.9	1415.0	1386.4
55°	1035.0	1123.9	1657.1	1910.1	1752.8	1115.9	1137.4	1670.7	1681.3	1590.6
57.5°	1286.1	1343.9	2047.9	2372.8	2125.3	1381.2	1537.0	2084.2	1957.0	1785.2
60°	1742.0	1626.9	2425.6	2846.2	2521.5	1754.3	2064.0	2329.3	2048.8	1811.9
62.5°	1900.7	1867.1	2662.1	3046.5	2788.1	2060.7	2201.0	2190.4	1929.9	1710.9
65°	1660.2	1807.3	2619.8	2940.7	2753.9	2010.2	1975.1	2037.1	1796.0	1557.6
67.5°	1533.7	1666.7	2459.4	2649.0	2564.3	1839.0	1760.6	1743.7	1507.8	1318.0
70°	1406.0	1537.8	2226.9	2250.4	2211.0	1559.9	1456.9	1343.7	1127.0	962.0
72.5°	1252.5	1325.1	1904.2	1792.5	1747.8	1225.2	1203.5	1011.9	844.8	703.2
75°	1092.4	1071.3	1484.6	1230.2	1263.6	953.3	1016.5	743.1	619.0	506.1
77.5°	794.6	778.9	994.4	747.2	827.5	624.4	561.0	296.6	282.4	243.6
80°	443.4	534.5	537.0	418.8	522.4	407.1	140.4	9.8	6.3	9.2
82.5°	206.0	229.8	291.1	194.2	298.0	201.7	29.0	0.0	0.0	0.0
85°	66.7	97.6	81.8	28.6	72.2	68.2	4.8	0.0	0.0	0.0
87.5°	4.0	8.1	2.1	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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