

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: P630451

Luminaire Tested: GWS-SA1D-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630451
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-SA1D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3704.1 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

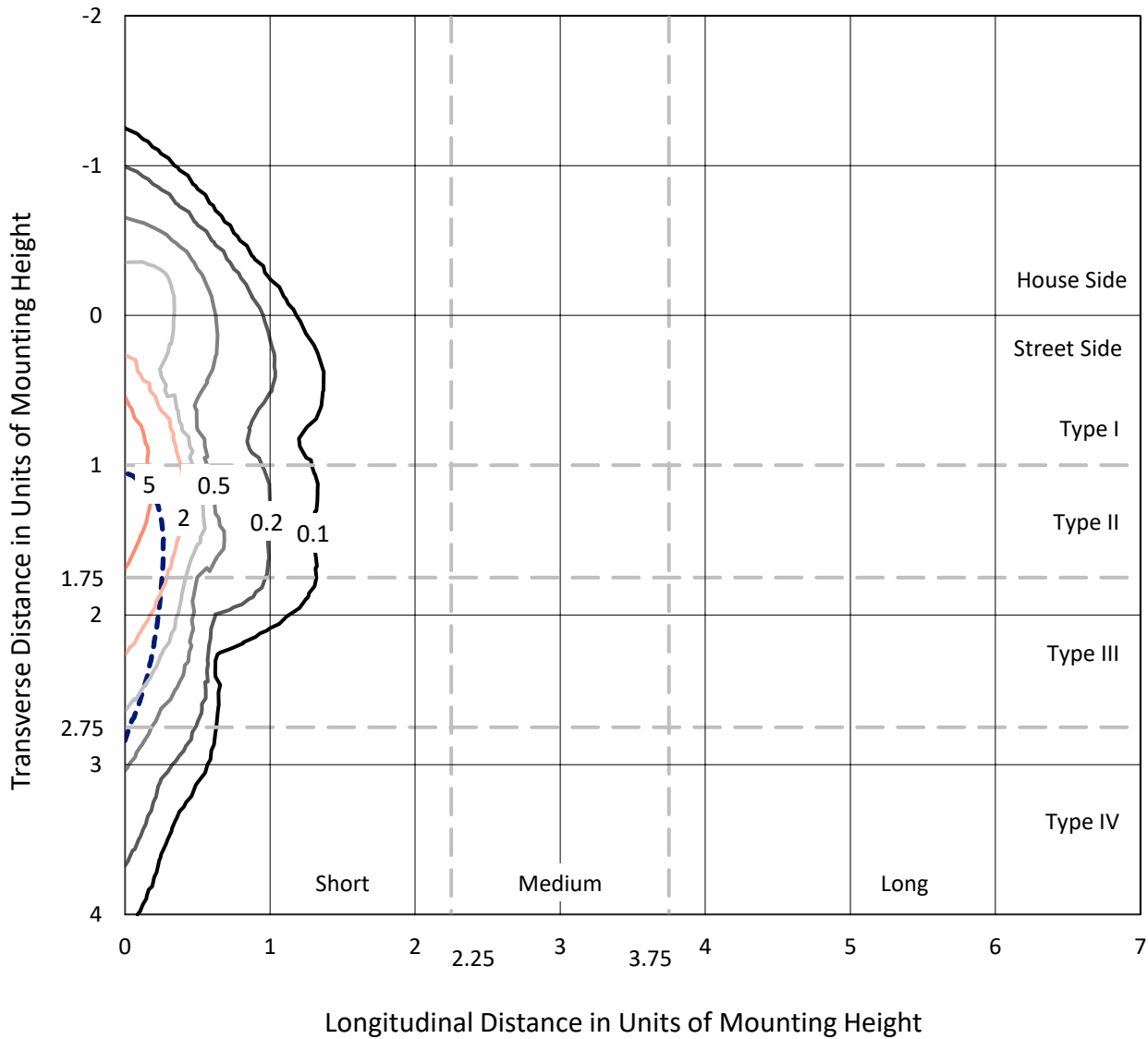
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

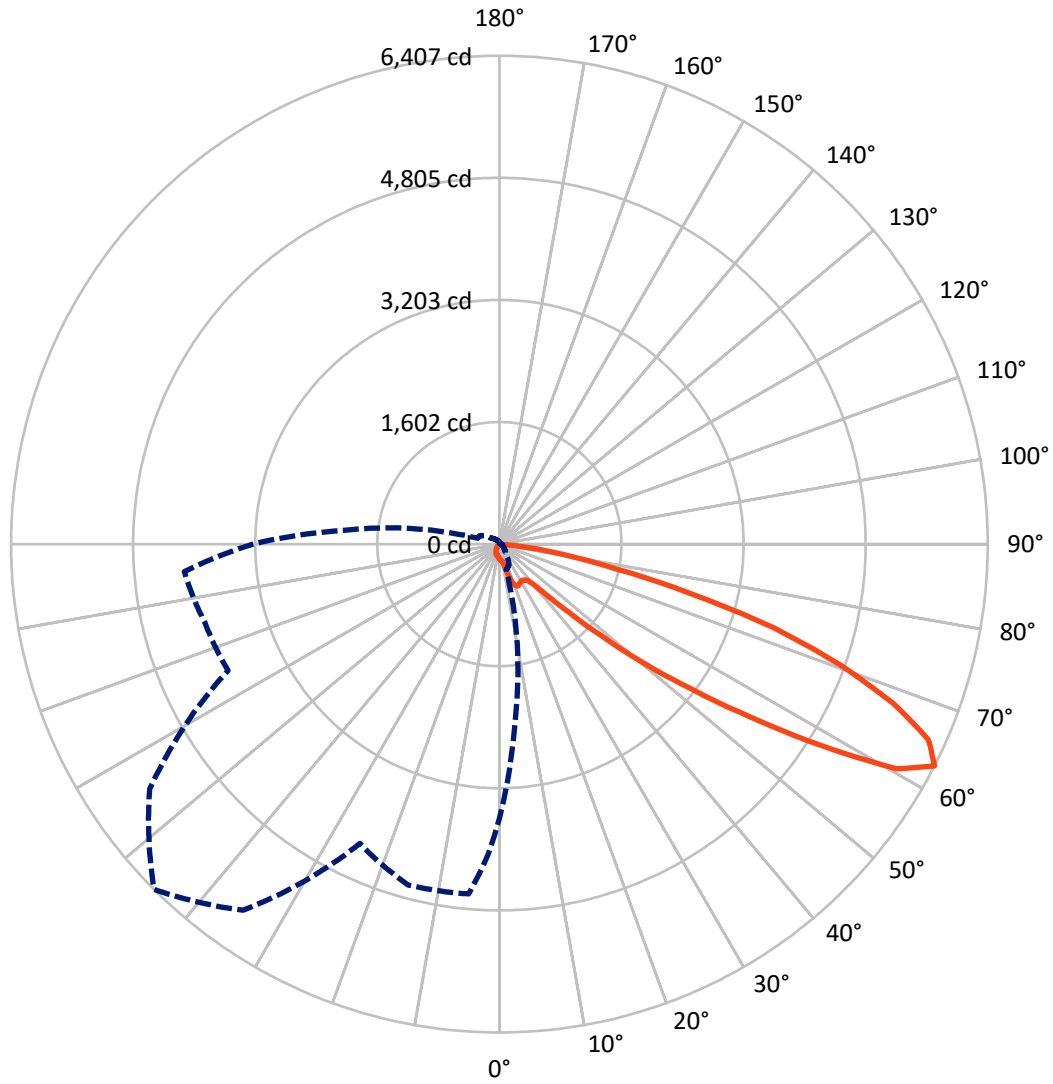
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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	430.4	0.0	430.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	3273.7	0.0	3273.7
	% Fixture	88.4	0.0	88.4
Total	Lumens	3704.1	0.0	3704.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.4
10°-20°	56.9	1.5
20°-30°	128.4	3.5
30°-40°	221.3	6.0
40°-50°	417.4	11.3
50°-60°	932.0	25.2
60°-70°	1246.5	33.7
70°-80°	625.1	16.9
80°-90°	59.9	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°	3704.1	100.0
0°-180°	3704.1	100.0

Coefficient of Utilization

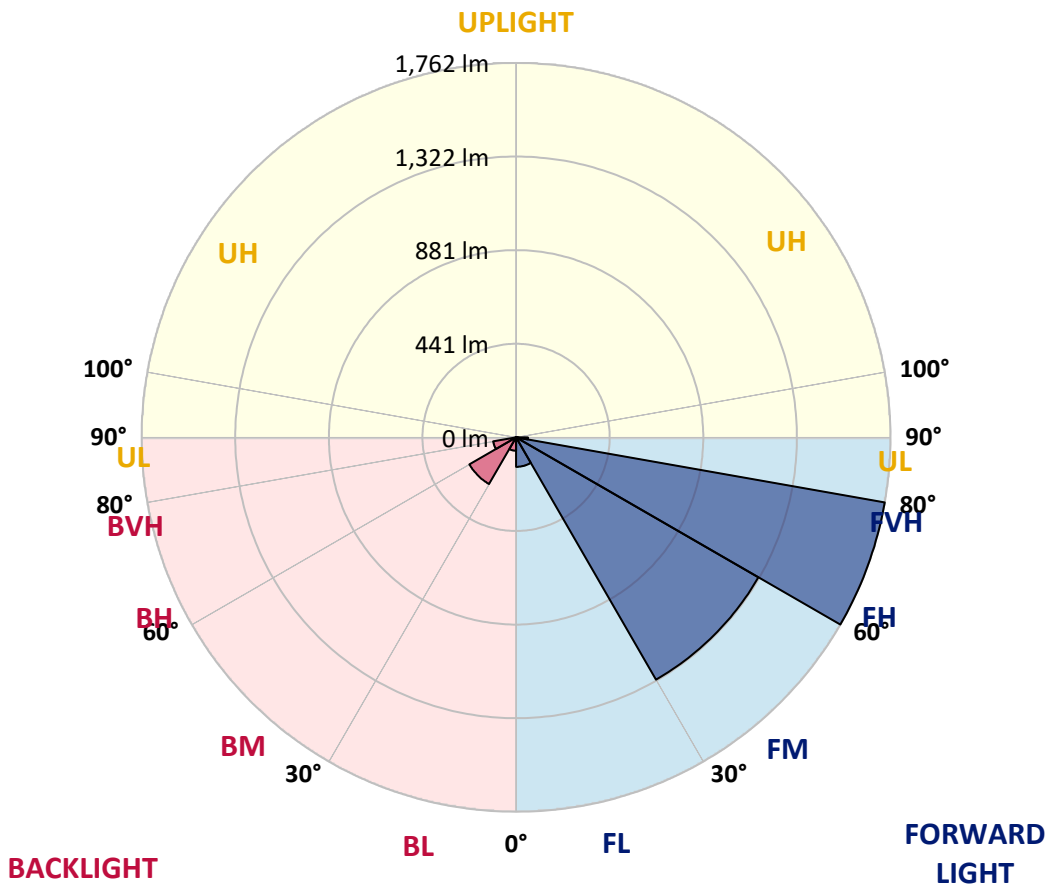


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.7	3.7			
FM (30°-60°)	1316.9	35.6			
FH (60°-80°)	1762.2	47.6			G1/1800
FVH (80°-90°)	55.9	1.5			G1/100
BL (0°-30°)	63.2	1.7	B0/110		
BM (30°-60°)	253.8	6.9	B1/1000		
BH (60°-80°)	109.4	3.0	B0/110		G0/110
BVH (80°-90°)	4.0	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-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	189.9	189.5	188.6	186.0	183.8	182.5	179.8	179.8	179.4	178.5	176.7
5°	183.8	182.0	180.3	175.4	170.2	167.1	163.6	163.2	163.2	162.3	161.8
7.5°	174.1	172.4	170.2	162.3	157.5	154.4	151.3	150.9	149.6	149.6	149.6
10°	168.9	166.2	162.7	153.9	149.1	146.5	144.3	143.0	142.1	140.8	140.3
12.5°	180.3	175.4	168.0	152.2	145.6	142.1	139.5	138.6	136.0	134.2	132.9
15°	215.8	203.9	189.0	156.1	144.3	139.0	135.5	133.8	131.6	128.5	126.3
17.5°	274.1	257.0	232.0	168.9	143.0	136.4	132.0	128.9	125.9	122.4	119.7
20°	354.8	329.4	299.6	192.1	143.0	133.3	128.1	124.1	119.7	115.8	112.7
22.5°	457.4	432.0	381.1	231.6	144.7	129.4	123.2	118.0	112.7	109.2	105.7
25°	572.4	536.4	489.0	279.4	149.6	124.1	117.5	112.3	107.5	103.1	99.1
27.5°	700.4	661.4	598.2	347.4	160.1	118.9	111.4	106.6	102.2	97.8	92.5
30°	818.4	795.2	730.7	428.9	177.2	115.3	106.6	102.2	97.8	92.1	87.3
32.5°	960.1	918.8	865.8	521.9	200.0	111.8	102.6	96.5	93.0	87.7	82.5
35°	1102.6	1067.5	997.8	636.4	225.4	108.3	97.8	92.1	89.0	82.9	77.2
37.5°	1249.5	1241.6	1172.8	763.1	250.4	104.4	92.1	88.6	85.5	78.5	71.9
40°	1394.3	1379.8	1316.2	907.9	265.8	100.0	87.3	85.1	81.6	73.7	66.2
42.5°	1532.9	1521.9	1460.0	1046.5	263.6	96.0	82.5	79.8	77.2	69.3	60.1
45°	1703.0	1685.0	1607.0	1149.1	241.2	100.4	77.6	73.2	72.8	65.3	53.9
47.5°	2021.4	1962.2	1829.8	1228.0	218.9	111.8	72.4	67.1	70.2	61.4	47.8
50°	2467.5	2397.7	2206.1	1289.4	218.4	126.8	71.5	61.4	68.0	58.3	42.5
52.5°	2915.7	2792.9	2560.0	1322.3	234.6	137.7	79.4	55.7	65.3	55.3	38.6
55°	3345.1	3090.3	2708.3	1213.6	247.4	149.6	93.9	52.6	60.5	51.8	36.4
57.5°	3754.3	3329.3	2772.7	960.1	289.9	154.4	102.6	53.9	53.5	47.4	34.6
60°	3810.4	3317.9	2642.5	558.3	319.7	146.0	99.1	60.1	46.9	42.1	31.6
62.5°	3598.1	3097.3	2345.5	348.2	296.9	143.0	88.2	68.4	42.5	37.3	27.6
65°	3275.8	2751.2	1955.6	224.6	225.0	158.8	77.2	67.1	39.9	32.9	23.7
67.5°	2771.9	2302.6	1540.7	150.4	127.2	135.5	67.5	46.1	39.0	28.1	18.4
70°	2023.2	1639.0	1003.0	100.4	75.9	108.3	56.6	32.9	36.8	23.2	13.2
72.5°	1478.9	1101.3	560.1	65.8	43.0	63.2	41.7	23.7	28.5	17.1	9.2
75°	1064.4	757.9	319.7	42.1	28.5	34.6	27.2	16.2	18.4	13.6	8.3
77.5°	512.3	369.3	145.2	23.2	19.3	17.5	14.5	10.1	11.4	12.3	7.5
80°	19.3	14.5	11.0	11.4	12.3	7.9	6.6	5.3	6.6	8.3	3.9
82.5°	0.0	0.0	0.0	1.3	1.8	2.2	2.6	2.2	2.6	3.1	0.4
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°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	178.1	177.2	178.1	178.9	179.8	180.7	179.4	180.3	181.1	178.9	179.8
5°	164.0	163.6	166.2	167.5	169.3	170.2	169.3	169.3	168.9	166.2	166.2
7.5°	151.8	152.2	154.4	157.5	159.6	161.0	160.1	159.6	158.3	154.4	154.4
10°	142.5	142.5	146.0	148.7	151.8	153.1	152.2	150.9	149.6	145.6	145.2
12.5°	135.1	135.1	137.7	142.1	145.6	147.4	146.9	145.2	143.0	139.0	138.6
15°	128.1	127.6	131.6	135.5	140.3	142.5	141.7	140.3	136.4	132.9	132.0
17.5°	121.0	120.6	124.1	129.4	134.6	137.7	137.3	134.2	130.7	126.3	125.4
20°	114.0	113.2	117.5	122.8	128.1	131.1	130.3	127.6	123.2	118.9	118.0
22.5°	107.0	106.6	109.6	114.0	118.9	121.5	121.0	118.9	114.5	110.5	110.5
25°	99.1	99.1	101.3	104.4	107.9	109.2	109.6	108.8	106.1	103.9	103.9
27.5°	92.5	91.2	92.1	93.0	94.7	96.9	96.9	97.8	98.2	97.4	97.8
30°	87.3	85.1	83.8	82.0	81.1	82.0	82.9	86.0	89.0	90.8	91.7
32.5°	81.1	78.5	75.0	70.2	67.1	66.2	68.9	74.6	80.3	84.2	86.4
35°	75.0	71.5	64.9	57.9	53.9	52.6	55.7	62.3	70.6	77.6	80.7
37.5°	68.9	64.0	54.8	46.5	42.1	41.2	44.3	51.3	61.0	70.6	74.6
40°	61.8	56.1	45.2	36.4	32.9	32.0	34.6	41.7	51.8	62.7	68.9
42.5°	54.8	47.8	36.4	28.9	25.4	25.4	28.9	34.2	43.4	55.3	62.7
45°	47.8	40.3	29.8	23.2	21.1	21.5	23.7	28.9	36.4	48.7	55.7
47.5°	41.2	34.6	24.6	19.3	17.5	18.0	20.6	25.0	31.1	42.1	49.6
50°	35.5	29.4	21.5	16.2	14.9	15.8	18.4	22.4	27.6	37.3	43.4
52.5°	32.0	26.3	19.7	14.0	13.2	14.0	16.7	20.2	25.0	32.9	39.0
55°	30.3	25.9	19.7	12.7	11.4	12.3	14.9	18.4	22.4	29.8	35.1
57.5°	29.8	26.8	21.1	11.4	9.6	10.5	13.2	16.7	20.6	27.2	31.6
60°	28.1	25.4	20.6	9.2	7.5	8.8	11.0	14.5	18.9	25.4	29.4
62.5°	24.6	22.4	18.0	7.5	5.7	6.6	9.2	12.7	17.1	23.2	27.6
65°	20.2	18.0	14.0	4.8	3.5	4.4	7.0	11.0	14.9	21.1	25.0
67.5°	14.9	12.7	9.6	3.1	1.8	3.1	5.7	9.2	13.6	18.9	22.8
70°	9.2	7.5	5.3	1.8	1.3	2.6	5.3	8.8	12.3	17.5	21.5
72.5°	5.3	3.5	2.2	0.9	1.3	2.6	5.3	8.8	11.8	16.7	20.2
75°	3.9	2.2	0.9	0.4	0.9	2.2	4.8	7.9	11.4	15.8	19.3
77.5°	2.6	1.3	0.4	0.0	0.4	1.8	4.4	7.5	10.5	14.9	18.4
80°	0.4	0.0	0.0	0.0	0.0	1.3	3.9	6.6	9.6	13.2	16.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	3.1	5.7	8.3	11.0	13.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	6.6	8.3	9.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	5.3	6.1
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°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	179.4	182.0	182.0	183.8	186.0	189.9	192.1	195.2	197.4	199.6	200.4
5°	165.8	166.2	166.7	167.5	170.2	174.6	178.5	183.3	189.0	193.4	196.0
7.5°	154.4	154.4	154.4	155.7	158.3	161.4	165.3	171.9	178.5	183.8	188.2
10°	144.7	146.0	146.5	148.7	151.8	155.7	160.1	165.8	173.2	180.3	188.2
12.5°	138.6	139.9	142.1	144.3	147.4	151.8	156.6	164.0	179.4	193.9	210.5
15°	132.9	134.6	137.3	140.3	143.9	148.7	153.9	169.3	205.3	232.4	258.8
17.5°	126.8	129.4	132.9	136.0	140.3	145.6	152.2	182.0	252.6	297.8	342.5
20°	118.9	122.4	126.3	131.1	136.4	142.5	152.2	208.3	321.0	386.0	445.2
22.5°	111.4	114.9	119.7	125.9	132.0	138.2	154.4	248.2	409.2	491.2	566.2
25°	105.3	109.6	114.5	119.7	126.8	133.8	159.6	304.4	515.3	621.0	674.1
27.5°	99.6	104.8	109.6	114.0	120.2	128.1	171.5	379.4	640.8	748.2	789.9
30°	93.9	100.0	104.8	109.2	115.3	123.7	189.5	475.0	780.2	884.6	889.0
32.5°	89.0	94.7	100.4	104.8	110.5	120.2	214.5	586.8	923.2	1024.1	982.9
35°	83.8	90.3	95.6	100.4	106.6	117.1	243.4	707.4	1067.5	1152.2	1076.3
37.5°	78.5	86.0	92.5	96.0	102.2	114.0	264.5	833.3	1214.9	1277.2	1158.3
40°	73.7	82.0	89.5	93.0	96.0	110.1	267.5	962.3	1364.4	1400.4	1235.5
42.5°	68.4	77.6	84.2	89.0	91.7	107.5	249.1	1071.0	1489.9	1523.2	1336.4
45°	62.7	73.7	78.9	82.5	87.7	109.2	225.4	1155.2	1633.3	1690.7	1502.6
47.5°	57.0	69.3	73.7	76.3	83.3	119.7	216.7	1211.4	1869.7	1989.0	1782.8
50°	51.8	65.3	70.2	69.7	82.5	133.3	226.3	1253.9	2224.9	2365.3	2167.0
52.5°	46.1	61.0	66.7	64.9	89.0	143.9	245.6	1287.7	2498.2	2806.5	2683.3
55°	41.2	56.1	61.4	61.0	101.3	151.8	260.5	1109.6	2611.3	3216.6	3264.8
57.5°	37.7	50.9	55.3	62.7	109.2	151.8	301.3	787.7	2613.5	3518.3	4036.7
60°	34.6	46.1	49.1	68.9	106.1	143.9	298.2	482.4	2408.7	3497.7	4447.2
62.5°	32.0	41.7	45.6	70.6	93.9	142.5	269.3	299.1	2054.3	3231.5	4149.4
65°	29.8	38.2	43.9	64.9	85.1	152.6	181.6	214.9	1666.2	2928.0	3807.8
67.5°	27.6	35.1	46.5	53.1	77.2	136.4	131.1	152.6	1307.9	2595.1	3494.2
70°	25.9	33.3	49.1	43.4	67.5	106.6	93.0	115.8	1001.3	2165.3	3052.5
72.5°	24.6	31.1	41.2	34.2	54.8	82.5	64.9	84.2	654.4	1690.3	2488.5
75°	23.2	28.5	30.3	27.6	40.8	53.9	49.1	56.6	389.9	1235.5	1888.1
77.5°	22.8	26.8	24.6	22.4	27.6	32.0	37.3	38.2	190.3	618.0	989.4
80°	20.2	24.1	21.1	18.4	18.9	21.1	27.6	25.4	43.4	157.0	264.0
82.5°	15.8	18.9	17.5	15.4	15.4	15.4	18.4	17.1	14.0	70.6	119.3
85°	11.0	13.2	13.2	12.3	11.8	11.8	11.4	11.0	3.9	4.4	6.6
87.5°	7.5	9.2	9.6	9.2	7.9	7.0	6.1	5.3	1.8	0.0	0.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	203.5	204.8	204.8	203.1	201.7	198.2	194.7	191.2	190.3	189.9
5°	203.5	208.8	211.4	211.0	207.9	202.2	194.7	186.8	184.6	183.8
7.5°	200.4	210.5	218.4	219.7	214.0	203.9	190.3	178.5	175.4	174.1
10°	207.5	227.2	243.0	245.2	238.6	218.9	196.9	176.7	171.9	168.9
12.5°	245.2	277.6	296.9	306.1	293.4	268.4	232.0	196.0	185.1	180.3
15°	321.5	367.5	404.4	404.4	392.5	348.2	302.2	243.9	228.9	215.8
17.5°	419.3	477.2	509.6	506.1	488.1	457.0	401.7	318.0	287.7	274.1
20°	530.7	565.3	572.8	570.6	562.7	544.7	506.6	416.7	375.9	354.8
22.5°	627.2	618.0	607.0	598.2	596.0	601.3	596.0	526.7	494.7	457.4
25°	692.5	640.3	607.4	591.7	599.1	629.4	662.3	636.4	610.9	572.4
27.5°	728.1	637.7	590.3	574.1	586.8	629.8	701.3	745.2	718.8	700.4
30°	747.3	635.5	579.4	563.6	582.9	636.8	728.5	846.9	847.8	818.4
32.5°	775.0	649.5	581.6	567.1	593.0	657.9	762.7	950.4	975.9	960.1
35°	806.1	671.0	591.7	578.5	610.5	685.9	800.9	1054.8	1107.9	1102.6
37.5°	835.5	695.2	615.3	602.6	637.3	710.1	837.7	1157.4	1231.1	1249.5
40°	866.2	728.9	688.1	700.4	719.7	748.2	870.6	1246.5	1366.6	1394.3
42.5°	938.6	846.0	908.3	931.6	934.2	875.4	942.5	1360.5	1500.0	1532.9
45°	1100.0	1054.4	1232.9	1265.8	1248.6	1070.6	1115.8	1525.0	1686.4	1703.0
47.5°	1303.9	1325.0	1677.1	1790.7	1688.1	1300.8	1325.8	1871.0	2027.6	2021.4
50°	1541.6	1641.2	2181.5	2449.5	2203.9	1600.0	1567.9	2296.4	2486.3	2467.5
52.5°	1822.8	2008.7	2787.6	3168.3	2935.9	1936.3	1923.2	2860.0	2975.8	2915.7
55°	2176.7	2363.5	3485.0	4017.0	3686.3	2346.9	2392.0	3513.5	3535.9	3345.1
57.5°	2704.7	2826.2	4306.9	4990.2	4469.6	2904.7	3232.4	4383.2	4115.7	3754.3
60°	3663.5	3421.4	5101.2	5985.8	5302.9	3689.4	4340.7	4898.5	4308.7	3810.4
62.5°	3997.3	3926.6	5598.5	6406.8	5863.4	4333.7	4628.8	4606.5	4058.7	3598.1
65°	3491.6	3800.8	5509.5	6184.5	5791.5	4227.5	4153.8	4284.1	3777.1	3275.8
67.5°	3225.3	3505.2	5172.2	5570.9	5392.8	3867.4	3702.5	3667.0	3171.0	2771.9
70°	2956.9	3234.1	4683.2	4732.8	4649.9	3280.6	3064.0	2825.8	2370.1	2023.2
72.5°	2634.1	2786.8	4004.7	3769.6	3675.8	2576.7	2531.1	2128.0	1776.7	1478.9
75°	2297.3	2253.0	3122.3	2587.2	2657.4	2004.8	2137.7	1562.7	1301.7	1064.4
77.5°	1671.0	1638.1	2091.2	1571.4	1740.3	1313.1	1179.8	623.7	593.8	512.3
80°	932.4	1124.1	1129.4	880.7	1098.7	856.1	295.2	20.6	13.2	19.3
82.5°	433.3	483.3	612.3	408.3	626.7	424.1	61.0	0.0	0.0	0.0
85°	140.3	205.3	171.9	60.1	151.8	143.4	10.1	0.0	0.0	0.0
87.5°	8.3	17.1	4.4	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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