

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: P629353

Luminaire Tested: GWS-SA1B-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629353
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170 lumens
Efficiency: N/A
Efficacy: 86.8 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

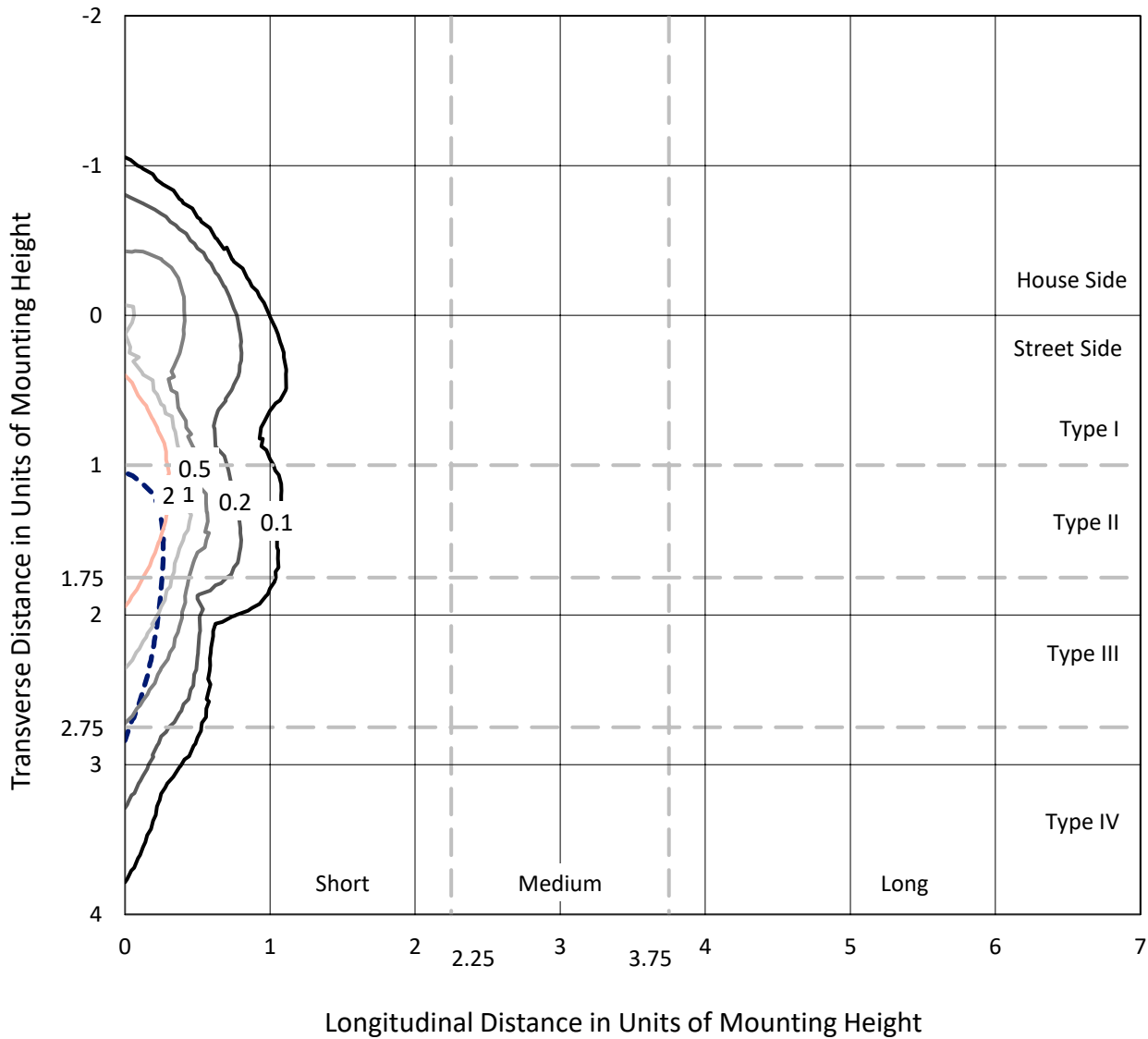
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

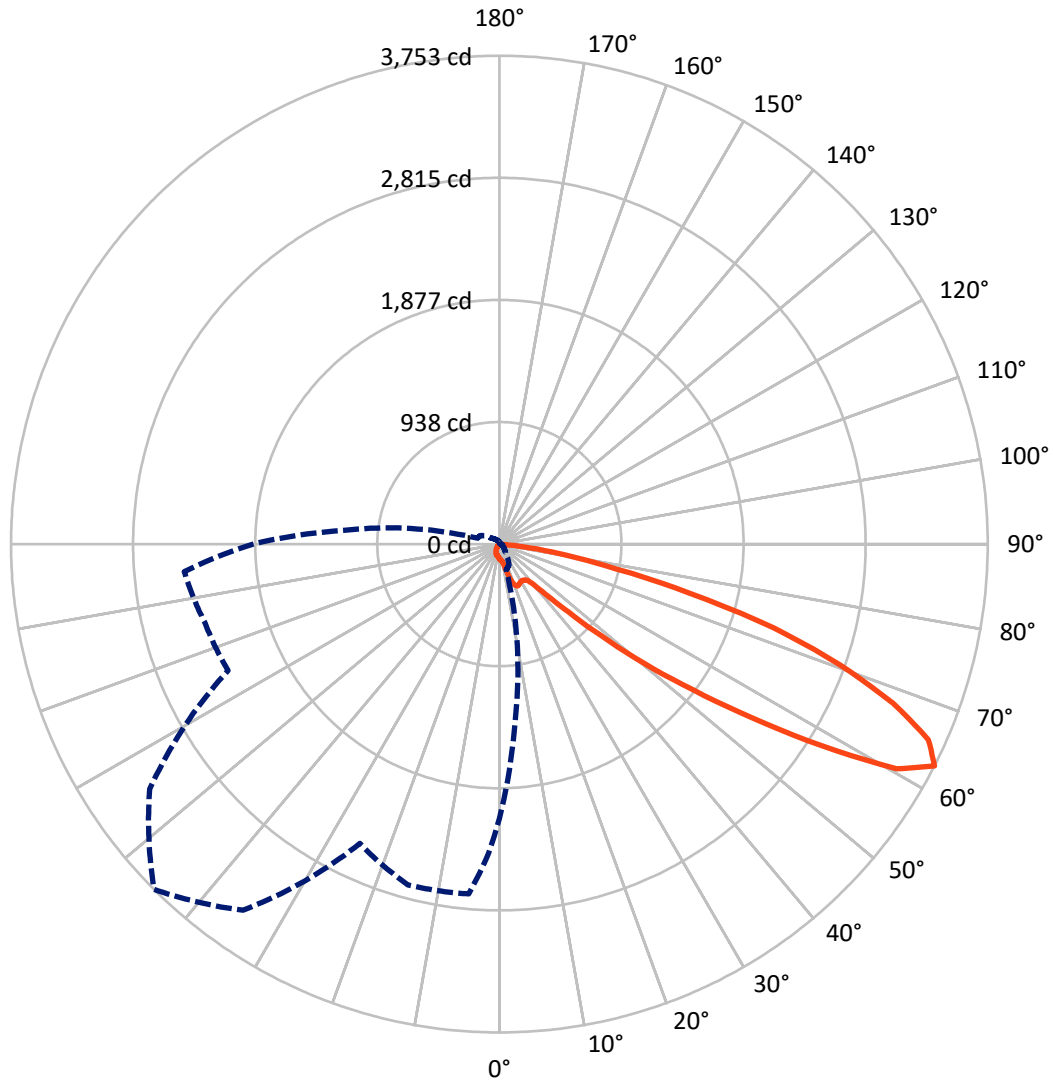
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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	252.1	0.0	252.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1917.9	0.0	1917.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	2170.0	0.0	2170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.4
10°-20°	33.3	1.5
20°-30°	75.3	3.5
30°-40°	129.6	6.0
40°-50°	244.5	11.3
50°-60°	546.0	25.2
60°-70°	730.3	33.7
70°-80°	366.2	16.9
80°-90°	35.1	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°	2170.0	100.0
0°-180°	2170.0	100.0

Coefficient of Utilization



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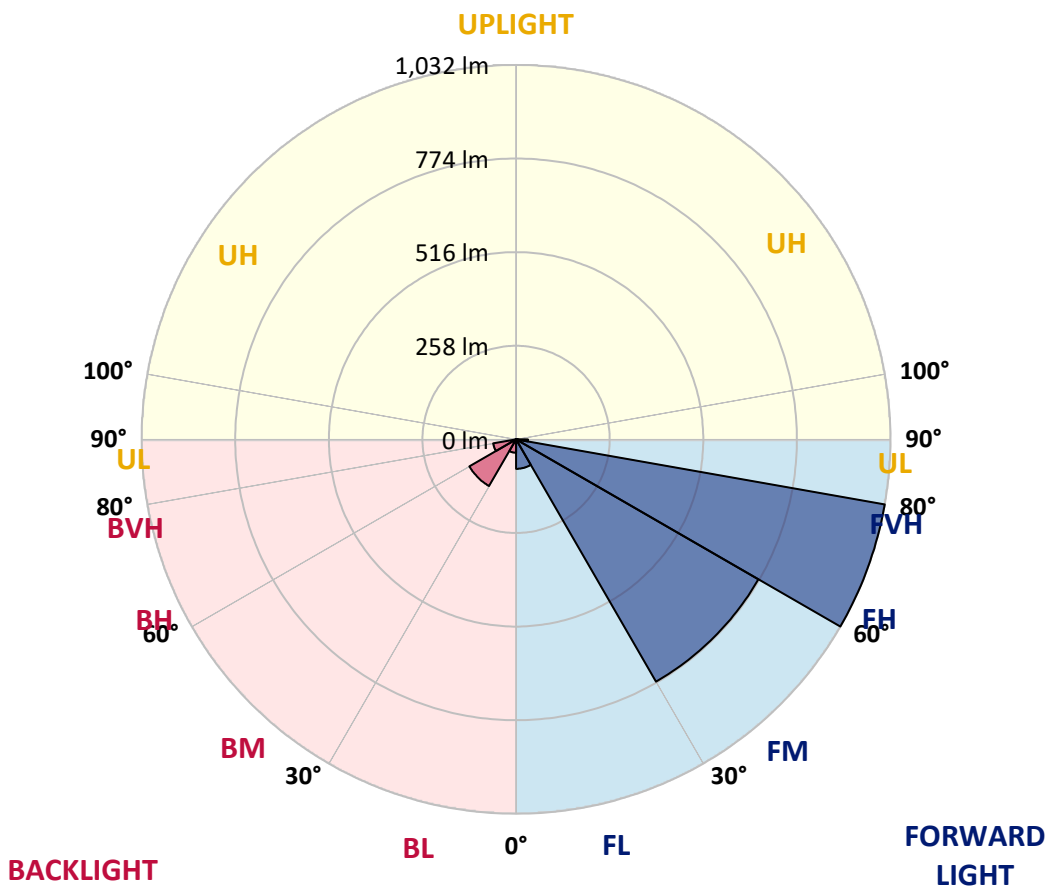
CATALOG NUMBER: GWS-SA1B-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.3	3.7			
FM (30°-60°)	771.5	35.6			
FH (60°-80°)	1032.3	47.6			G1/1800
FVH (80°-90°)	32.8	1.5			G1/100
BL (0°-30°)	37.0	1.7	B0/110		
BM (30°-60°)	148.7	6.9	B0/220		
BH (60°-80°)	64.1	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°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	111.3	111.0	110.5	108.9	107.7	106.9	105.3	105.3	105.1	104.6	103.5
5°	107.7	106.6	105.6	102.8	99.7	97.9	95.8	95.6	95.6	95.1	94.8
7.5°	102.0	101.0	99.7	95.1	92.2	90.4	88.6	88.4	87.6	87.6	87.6
10°	98.9	97.4	95.3	90.2	87.4	85.8	84.5	83.8	83.2	82.5	82.2
12.5°	105.6	102.8	98.4	89.2	85.3	83.2	81.7	81.2	79.7	78.6	77.9
15°	126.4	119.5	110.7	91.5	84.5	81.4	79.4	78.4	77.1	75.3	74.0
17.5°	160.6	150.6	135.9	98.9	83.8	79.9	77.3	75.5	73.7	71.7	70.1
20°	207.9	193.0	175.5	112.5	83.8	78.1	75.0	72.7	70.1	67.8	66.0
22.5°	268.0	253.1	223.3	135.7	84.8	75.8	72.2	69.1	66.0	64.0	61.9
25°	335.3	314.2	286.5	163.7	87.6	72.7	68.9	65.8	63.0	60.4	58.1
27.5°	410.3	387.5	350.5	203.5	93.8	69.6	65.3	62.4	59.9	57.3	54.2
30°	479.4	465.8	428.1	251.3	103.8	67.6	62.4	59.9	57.3	54.0	51.1
32.5°	562.4	538.3	507.2	305.8	117.2	65.5	60.1	56.5	54.5	51.4	48.3
35°	645.9	625.4	584.5	372.8	132.1	63.5	57.3	54.0	52.2	48.6	45.2
37.5°	732.0	727.4	687.1	447.1	146.7	61.2	54.0	51.9	50.1	46.0	42.1
40°	816.8	808.3	771.1	531.9	155.7	58.6	51.1	49.8	47.8	43.2	38.8
42.5°	898.0	891.6	855.4	613.1	154.4	56.3	48.3	46.8	45.2	40.6	35.2
45°	997.7	987.2	941.4	673.2	141.3	58.8	45.5	42.9	42.7	38.3	31.6
47.5°	1184.2	1149.5	1071.9	719.4	128.2	65.5	42.4	39.3	41.1	36.0	28.0
50°	1445.5	1404.7	1292.4	755.4	128.0	74.3	41.9	36.0	39.8	34.2	24.9
52.5°	1708.1	1636.2	1499.8	774.7	137.5	80.7	46.5	32.6	38.3	32.4	22.6
55°	1959.7	1810.4	1586.6	711.0	144.9	87.6	55.0	30.8	35.5	30.3	21.3
57.5°	2199.4	1950.4	1624.4	562.4	169.8	90.4	60.1	31.6	31.3	27.7	20.3
60°	2232.3	1943.7	1548.1	327.1	187.3	85.6	58.1	35.2	27.5	24.7	18.5
62.5°	2107.9	1814.5	1374.1	204.0	173.9	83.8	51.6	40.1	24.9	21.8	16.2
65°	1919.1	1611.8	1145.7	131.6	131.8	93.0	45.2	39.3	23.4	19.3	13.9
67.5°	1623.9	1348.9	902.6	88.1	74.5	79.4	39.6	27.0	22.9	16.4	10.8
70°	1185.3	960.2	587.6	58.8	44.5	63.5	33.1	19.3	21.6	13.6	7.7
72.5°	866.4	645.2	328.1	38.5	25.2	37.0	24.4	13.9	16.7	10.0	5.4
75°	623.6	444.0	187.3	24.7	16.7	20.3	15.9	9.5	10.8	8.0	4.9
77.5°	300.1	216.3	85.0	13.6	11.3	10.3	8.5	5.9	6.7	7.2	4.4
80°	11.3	8.5	6.4	6.7	7.2	4.6	3.9	3.1	3.9	4.9	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°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	104.3	103.8	104.3	104.8	105.3	105.9	105.1	105.6	106.1	104.8	105.3
5°	96.1	95.8	97.4	98.2	99.2	99.7	99.2	99.2	98.9	97.4	97.4
7.5°	88.9	89.2	90.4	92.2	93.5	94.3	93.8	93.5	92.8	90.4	90.4
10°	83.5	83.5	85.6	87.1	88.9	89.7	89.2	88.4	87.6	85.3	85.0
12.5°	79.1	79.1	80.7	83.2	85.3	86.3	86.1	85.0	83.8	81.4	81.2
15°	75.0	74.8	77.1	79.4	82.2	83.5	83.0	82.2	79.9	77.9	77.3
17.5°	70.9	70.7	72.7	75.8	78.9	80.7	80.4	78.6	76.6	74.0	73.5
20°	66.8	66.3	68.9	71.9	75.0	76.8	76.3	74.8	72.2	69.6	69.1
22.5°	62.7	62.4	64.2	66.8	69.6	71.2	70.9	69.6	67.1	64.7	64.7
25°	58.1	58.1	59.4	61.2	63.2	64.0	64.2	63.7	62.2	60.9	60.9
27.5°	54.2	53.4	54.0	54.5	55.5	56.8	56.8	57.3	57.6	57.0	57.3
30°	51.1	49.8	49.1	48.0	47.5	48.0	48.6	50.4	52.2	53.2	53.7
32.5°	47.5	46.0	43.9	41.1	39.3	38.8	40.3	43.7	47.0	49.3	50.6
35°	43.9	41.9	38.0	33.9	31.6	30.8	32.6	36.5	41.4	45.5	47.3
37.5°	40.3	37.5	32.1	27.2	24.7	24.2	26.0	30.1	35.7	41.4	43.7
40°	36.2	32.9	26.5	21.3	19.3	18.8	20.3	24.4	30.3	36.7	40.3
42.5°	32.1	28.0	21.3	17.0	14.9	14.9	17.0	20.0	25.4	32.4	36.7
45°	28.0	23.6	17.5	13.6	12.3	12.6	13.9	17.0	21.3	28.5	32.6
47.5°	24.2	20.3	14.4	11.3	10.3	10.5	12.1	14.6	18.2	24.7	29.0
50°	20.8	17.2	12.6	9.5	8.7	9.2	10.8	13.1	16.2	21.8	25.4
52.5°	18.8	15.4	11.6	8.2	7.7	8.2	9.8	11.8	14.6	19.3	22.9
55°	17.7	15.2	11.6	7.5	6.7	7.2	8.7	10.8	13.1	17.5	20.6
57.5°	17.5	15.7	12.3	6.7	5.7	6.2	7.7	9.8	12.1	15.9	18.5
60°	16.4	14.9	12.1	5.4	4.4	5.1	6.4	8.5	11.0	14.9	17.2
62.5°	14.4	13.1	10.5	4.4	3.3	3.9	5.4	7.5	10.0	13.6	16.2
65°	11.8	10.5	8.2	2.8	2.1	2.6	4.1	6.4	8.7	12.3	14.6
67.5°	8.7	7.5	5.7	1.8	1.0	1.8	3.3	5.4	8.0	11.0	13.4
70°	5.4	4.4	3.1	1.0	0.8	1.5	3.1	5.1	7.2	10.3	12.6
72.5°	3.1	2.1	1.3	0.5	0.8	1.5	3.1	5.1	6.9	9.8	11.8
75°	2.3	1.3	0.5	0.3	0.5	1.3	2.8	4.6	6.7	9.2	11.3
77.5°	1.5	0.8	0.3	0.0	0.3	1.0	2.6	4.4	6.2	8.7	10.8
80°	0.3	0.0	0.0	0.0	0.0	0.8	2.3	3.9	5.7	7.7	9.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.8	3.3	4.9	6.4	7.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6	3.9	4.9	5.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.1	3.6
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°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	105.1	106.6	106.6	107.7	108.9	111.3	112.5	114.3	115.6	116.9	117.4
5°	97.1	97.4	97.6	98.2	99.7	102.3	104.6	107.4	110.7	113.3	114.9
7.5°	90.4	90.4	90.4	91.2	92.8	94.6	96.9	100.7	104.6	107.7	110.2
10°	84.8	85.6	85.8	87.1	88.9	91.2	93.8	97.1	101.5	105.6	110.2
12.5°	81.2	82.0	83.2	84.5	86.3	88.9	91.7	96.1	105.1	113.6	123.3
15°	77.9	78.9	80.4	82.2	84.3	87.1	90.2	99.2	120.2	136.2	151.6
17.5°	74.3	75.8	77.9	79.7	82.2	85.3	89.2	106.6	148.0	174.5	200.7
20°	69.6	71.7	74.0	76.8	79.9	83.5	89.2	122.0	188.1	226.1	260.8
22.5°	65.3	67.3	70.1	73.7	77.3	80.9	90.4	145.4	239.7	287.8	331.7
25°	61.7	64.2	67.1	70.1	74.3	78.4	93.5	178.3	301.9	363.8	394.9
27.5°	58.3	61.4	64.2	66.8	70.4	75.0	100.5	222.3	375.4	438.3	462.7
30°	55.0	58.6	61.4	64.0	67.6	72.5	111.0	278.3	457.1	518.2	520.8
32.5°	52.2	55.5	58.8	61.4	64.7	70.4	125.6	343.8	540.9	600.0	575.8
35°	49.1	52.9	56.0	58.8	62.4	68.6	142.6	414.4	625.4	675.0	630.5
37.5°	46.0	50.4	54.2	56.3	59.9	66.8	154.9	488.2	711.7	748.2	678.6
40°	43.2	48.0	52.4	54.5	56.3	64.5	156.7	563.7	799.3	820.4	723.8
42.5°	40.1	45.5	49.3	52.2	53.7	63.0	145.9	627.4	872.8	892.3	782.9
45°	36.7	43.2	46.2	48.3	51.4	64.0	132.1	676.8	956.8	990.5	880.3
47.5°	33.4	40.6	43.2	44.7	48.8	70.1	126.9	709.7	1095.3	1165.2	1044.5
50°	30.3	38.3	41.1	40.9	48.3	78.1	132.6	734.6	1303.5	1385.7	1269.5
52.5°	27.0	35.7	39.1	38.0	52.2	84.3	143.9	754.4	1463.5	1644.2	1572.0
55°	24.2	32.9	36.0	35.7	59.4	88.9	152.6	650.1	1529.8	1884.4	1912.7
57.5°	22.1	29.8	32.4	36.7	64.0	88.9	176.5	461.5	1531.1	2061.2	2364.9
60°	20.3	27.0	28.8	40.3	62.2	84.3	174.7	282.6	1411.1	2049.1	2605.4
62.5°	18.8	24.4	26.7	41.4	55.0	83.5	157.8	175.2	1203.5	1893.1	2430.9
65°	17.5	22.4	25.7	38.0	49.8	89.4	106.4	125.9	976.1	1715.3	2230.7
67.5°	16.2	20.6	27.2	31.1	45.2	79.9	76.8	89.4	766.2	1520.3	2047.0
70°	15.2	19.5	28.8	25.4	39.6	62.4	54.5	67.8	586.6	1268.5	1788.3
72.5°	14.4	18.2	24.2	20.0	32.1	48.3	38.0	49.3	383.4	990.2	1457.9
75°	13.6	16.7	17.7	16.2	23.9	31.6	28.8	33.1	228.4	723.8	1106.1
77.5°	13.4	15.7	14.4	13.1	16.2	18.8	21.8	22.4	111.5	362.0	579.7
80°	11.8	14.1	12.3	10.8	11.0	12.3	16.2	14.9	25.4	92.0	154.7
82.5°	9.2	11.0	10.3	9.0	9.0	9.0	10.8	10.0	8.2	41.4	69.9
85°	6.4	7.7	7.7	7.2	6.9	6.9	6.7	6.4	2.3	2.6	3.9
87.5°	4.4	5.4	5.7	5.4	4.6	4.1	3.6	3.1	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°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	119.2	120.0	120.0	119.0	118.2	116.1	114.1	112.0	111.5	111.3
5°	119.2	122.3	123.8	123.6	121.8	118.4	114.1	109.5	108.2	107.7
7.5°	117.4	123.3	128.0	128.7	125.4	119.5	111.5	104.6	102.8	102.0
10°	121.5	133.1	142.3	143.6	139.8	128.2	115.4	103.5	100.7	98.9
12.5°	143.6	162.6	173.9	179.3	171.9	157.2	135.9	114.9	108.4	105.6
15°	188.3	215.3	236.9	236.9	230.0	204.0	177.0	142.9	134.1	126.4
17.5°	245.6	279.5	298.6	296.5	286.0	267.7	235.4	186.3	168.6	160.6
20°	310.9	331.2	335.6	334.3	329.7	319.1	296.8	244.1	220.2	207.9
22.5°	367.4	362.0	355.6	350.5	349.2	352.3	349.2	308.6	289.8	268.0
25°	405.7	375.1	355.9	346.6	351.0	368.7	388.0	372.8	357.9	335.3
27.5°	426.5	373.6	345.8	336.3	343.8	369.0	410.8	436.5	421.1	410.3
30°	437.8	372.3	339.4	330.2	341.5	373.1	426.8	496.1	496.7	479.4
32.5°	454.0	380.5	340.7	332.2	347.4	385.4	446.8	556.8	571.7	562.4
35°	472.3	393.1	346.6	338.9	357.7	401.9	469.2	617.9	649.0	645.9
37.5°	489.5	407.2	360.5	353.0	373.3	416.0	490.8	678.1	721.2	732.0
40°	507.5	427.0	403.1	410.3	421.6	438.3	510.0	730.2	800.6	816.8
42.5°	549.8	495.6	532.1	545.7	547.3	512.9	552.2	797.0	878.7	898.0
45°	644.4	617.7	722.3	741.5	731.5	627.2	653.7	893.4	987.9	997.7
47.5°	763.9	776.2	982.5	1049.1	989.0	762.1	776.7	1096.1	1187.8	1184.2
50°	903.1	961.5	1278.0	1435.0	1291.1	937.3	918.6	1345.3	1456.6	1445.5
52.5°	1067.8	1176.8	1633.1	1856.1	1720.0	1134.4	1126.7	1675.5	1743.3	1708.1
55°	1275.2	1384.6	2041.6	2353.3	2159.6	1374.9	1401.3	2058.3	2071.4	1959.7
57.5°	1584.5	1655.7	2523.1	2923.5	2618.5	1701.7	1893.6	2567.8	2411.1	2199.4
60°	2146.2	2004.4	2988.5	3506.7	3106.7	2161.4	2542.9	2869.8	2524.2	2232.3
62.5°	2341.7	2300.4	3279.8	3753.4	3435.0	2538.8	2711.7	2698.6	2377.7	2107.9
65°	2045.5	2226.6	3227.7	3623.1	3392.9	2476.6	2433.5	2509.8	2212.8	1919.1
67.5°	1889.5	2053.5	3030.1	3263.6	3159.3	2265.7	2169.1	2148.3	1857.7	1623.9
70°	1732.3	1894.7	2743.6	2772.6	2724.1	1921.9	1795.0	1655.5	1388.5	1185.3
72.5°	1543.2	1632.6	2346.1	2208.4	2153.4	1509.5	1482.8	1246.7	1040.9	866.4
75°	1345.8	1319.9	1829.1	1515.7	1556.8	1174.5	1252.3	915.5	762.6	623.6
77.5°	978.9	959.7	1225.1	920.6	1019.5	769.3	691.2	365.4	347.9	300.1
80°	546.3	658.5	661.6	515.9	643.6	501.5	172.9	12.1	7.7	11.3
82.5°	253.9	283.1	358.7	239.2	367.2	248.5	35.7	0.0	0.0	0.0
85°	82.2	120.2	100.7	35.2	88.9	84.0	5.9	0.0	0.0	0.0
87.5°	4.9	10.0	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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