

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P945259

Luminaire Tested: **GALN-SB1B-735-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1B-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

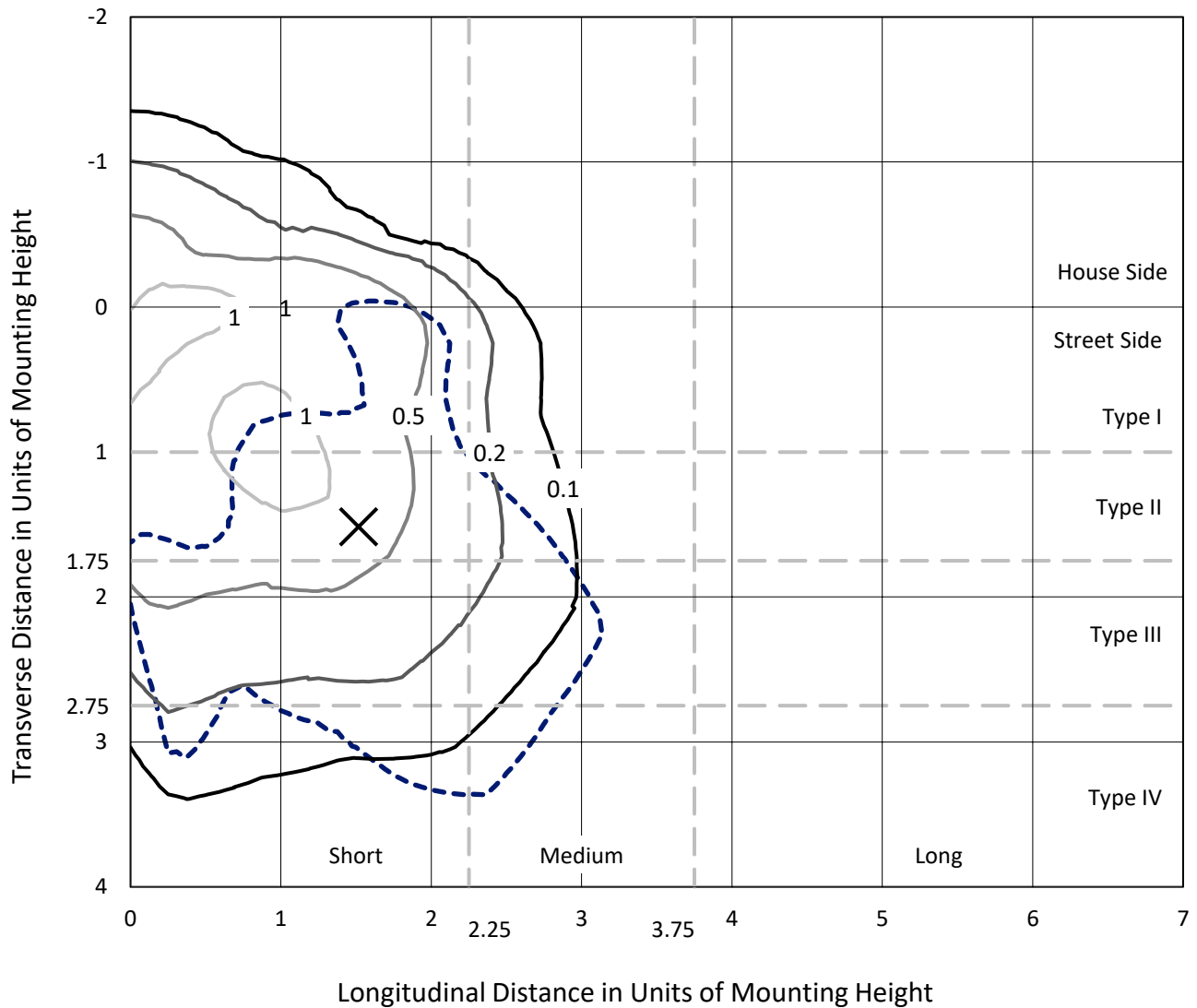
Lumens per Lamp: N/A  
Luminaire Lumens: 4299 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

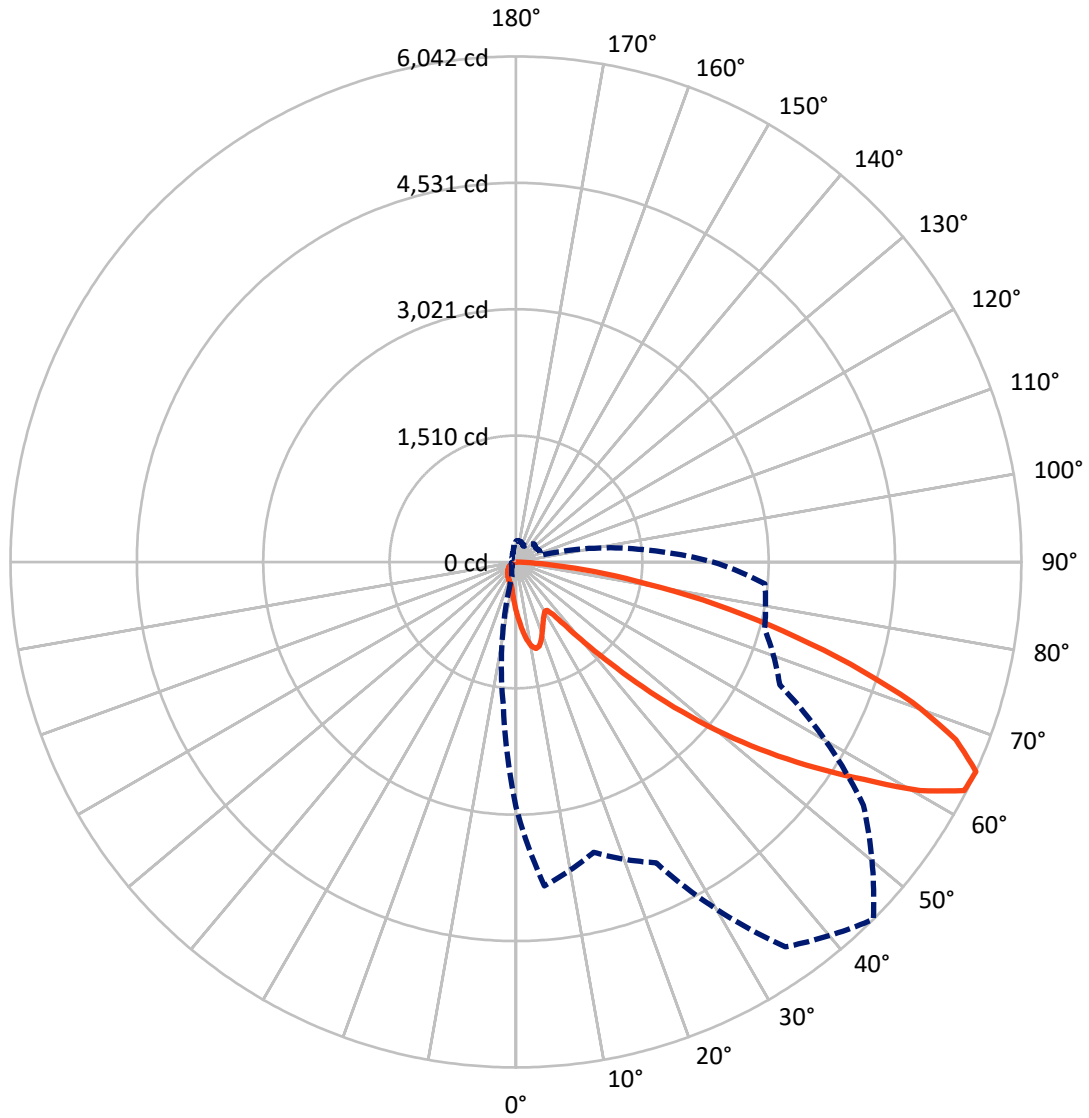
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	854.5	0.0	854.5
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	3444.5	0.0	3444.5
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	4299.0	0.0	4299.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	1.4
10°-20°	175.7	4.1
20°-30°	258.8	6.0
30°-40°	332.5	7.7
40°-50°	537.8	12.5
50°-60°	943.0	21.9
60°-70°	1180.0	27.4
70°-80°	689.5	16.0
80°-90°	123.0	2.9
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°	4299.0	100.0
0°-180°	4299.0	100.0

**Coefficient of Utilization**



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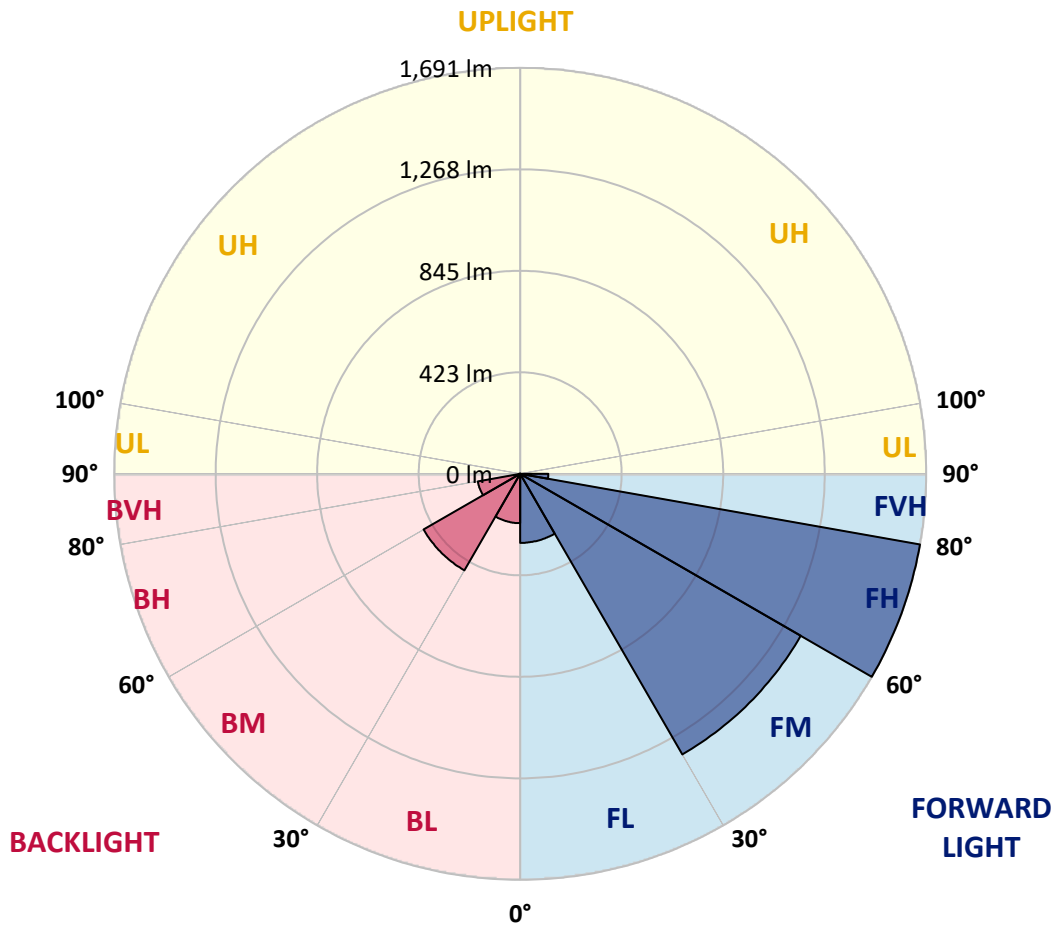
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.7	6.7			
FM (30°-60°)	1349.1	31.4			
FH (60°-80°)	1690.5	39.3			G1/1800
FVH (80°-90°)	117.3	2.7			G2/225
BL (0°-30°)	205.5	4.8	B1/500		
BM (30°-60°)	464.2	10.8	B1/1000		
BH (60°-80°)	179.0	4.2	B1/500		G1/500
BVH (80°-90°)	5.8	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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3
2.5°	666.9	672.0	683.2	689.2	698.3	698.9	698.9	690.9	690.6	674.3
5°	745.4	757.3	783.9	811.5	817.4	818.9	815.9	799.9	788.1	756.4
7.5°	823.3	846.1	886.7	923.4	935.3	935.3	928.2	902.1	877.8	831.9
10°	887.9	916.6	971.7	1012.9	1026.5	1023.5	1009.0	976.1	942.7	887.0
12.5°	930.5	962.8	1023.2	1056.4	1070.3	1062.6	1046.0	1014.0	978.8	920.2
15°	951.8	985.6	1038.0	1055.5	1051.7	1043.7	1041.6	1026.2	999.5	944.7
17.5°	961.0	992.4	1028.8	1017.9	985.3	979.1	999.8	1019.4	1012.9	966.1
20°	969.6	996.0	1006.9	958.4	901.5	895.9	935.6	991.2	1019.7	985.9
22.5°	981.5	997.8	975.2	895.6	834.3	821.2	865.1	948.9	1021.7	1011.1
25°	997.8	1002.2	940.3	836.0	774.4	761.4	802.3	901.8	1018.2	1038.3
27.5°	1017.3	1008.1	906.8	786.3	726.8	714.6	755.5	856.5	1008.1	1065.6
30°	1042.8	1015.8	873.7	747.8	692.7	683.8	723.2	817.4	995.7	1100.2
32.5°	1068.5	1019.1	842.9	725.3	685.0	688.3	720.5	796.4	982.1	1133.4
35°	1096.4	1029.4	827.8	747.5	749.3	777.7	791.0	815.9	980.0	1178.4
37.5°	1134.3	1052.5	845.8	858.0	919.6	978.5	967.5	911.6	1004.0	1245.6
40°	1188.8	1093.1	924.6	1046.0	1172.5	1268.1	1226.4	1085.4	1077.4	1342.5
42.5°	1268.1	1157.7	1064.4	1275.8	1490.3	1647.8	1535.9	1309.6	1205.9	1480.8
45°	1385.4	1262.2	1233.5	1518.4	1882.1	2130.3	1897.5	1548.6	1386.0	1690.2
47.5°	1548.0	1415.9	1391.9	1774.0	2358.3	2679.3	2298.5	1770.1	1591.0	1975.7
50°	1763.9	1622.9	1542.1	2053.5	2880.4	3239.1	2699.2	1984.0	1825.8	2324.5
52.5°	2048.8	1911.7	1717.1	2319.8	3417.3	3786.9	3101.6	2171.7	2117.2	2729.4
55°	2437.4	2346.1	1956.4	2573.9	3954.0	4338.1	3488.4	2348.8	2502.2	3210.3
57.5°	2919.5	2984.7	2301.4	2868.6	4436.4	4906.1	3877.0	2596.4	3002.1	3748.2
60°	3230.5	3833.7	2962.2	3304.2	4984.6	5548.5	4409.5	3067.3	3527.5	3941.0
62.5°	3155.2	4103.8	3753.5	3860.4	5488.7	6015.5	4931.3	3540.3	3626.4	3656.9
65°	2924.5	3885.9	3592.1	3968.5	5616.3	6041.9	5070.8	3479.2	3076.2	2985.6
67.5°	2607.1	3627.3	3208.6	3681.8	5385.6	5673.5	4811.1	3077.7	2377.2	2240.4
70°	2264.4	3341.2	2956.8	3360.2	4945.8	5031.4	4369.5	2706.9	1748.5	1513.1
72.5°	1939.2	3043.3	2784.5	3030.6	4359.1	4182.0	3794.6	2379.0	1273.2	1091.3
75°	1606.6	2603.8	2538.9	2639.0	3587.6	3294.1	3152.9	1969.7	999.2	789.6
77.5°	1239.7	2034.6	2183.9	2113.4	2525.3	2446.8	2443.9	1480.2	730.0	526.9
80°	848.5	1418.0	1706.2	1490.9	1638.9	1598.9	1840.6	993.0	529.5	317.2
82.5°	498.7	863.3	1187.6	721.7	906.2	930.2	1096.1	483.0	311.6	73.2
85°	202.3	340.9	464.4	282.5	437.1	368.7	416.1	135.6	86.8	1.8
87.5°	50.9	109.0	76.4	31.7	50.6	46.5	36.7	16.6	3.6	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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**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
595.3	0°	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3
672.6	2.5°	661.0	654.2	637.3	620.4	606.8	588.5	576.3	561.8	547.9	535.5
749.6	5°	730.9	708.4	677.6	649.5	620.7	592.9	565.4	536.3	509.7	493.4
814.7	7.5°	787.8	748.1	707.2	671.4	636.7	604.2	567.7	532.5	490.7	468.5
864.5	10°	830.1	778.0	724.4	683.2	648.3	616.6	585.8	550.3	499.9	472.1
894.7	12.5°	858.0	796.1	733.3	686.2	647.1	622.5	608.9	595.0	544.9	512.4
916.9	15°	877.2	808.8	739.5	679.4	631.4	613.3	627.0	643.0	611.0	573.4
940.0	17.5°	898.2	825.4	742.2	661.0	600.9	593.2	628.4	665.5	664.0	626.7
961.9	20°	920.5	839.9	740.4	631.4	563.9	570.7	615.7	658.7	676.7	656.6
987.1	22.5°	943.3	853.8	733.6	592.9	529.2	550.6	595.6	633.2	654.5	648.3
1017.9	25°	972.0	873.4	723.5	551.4	500.5	530.1	572.2	602.7	617.5	617.2
1051.1	27.5°	1006.3	899.4	718.2	518.0	480.1	507.0	544.3	571.6	581.9	581.9
1092.2	30°	1046.3	930.2	712.3	496.1	468.2	483.0	512.1	538.7	549.1	549.1
1137.2	32.5°	1090.7	959.8	698.0	482.7	459.3	459.6	478.0	502.3	514.7	516.5
1193.5	35°	1144.1	991.5	666.9	472.1	449.0	436.8	445.7	465.9	480.7	484.5
1273.8	37.5°	1213.9	1030.3	622.5	456.4	433.0	412.8	414.9	430.3	446.6	452.5
1384.5	40°	1307.8	1075.9	576.3	433.9	410.5	386.5	385.6	396.8	412.8	419.4
1534.4	42.5°	1431.9	1130.7	532.2	412.2	383.2	358.6	357.2	366.0	380.0	386.8
1732.2	45°	1590.7	1198.0	494.3	395.4	356.6	332.3	331.7	339.1	351.2	358.3
1985.4	47.5°	1811.3	1265.2	468.5	386.5	335.5	310.7	311.9	318.4	329.3	334.4
2313.3	50°	2098.9	1285.6	455.5	386.5	324.3	291.4	297.3	302.7	311.0	313.9
2706.3	52.5°	2374.9	1218.1	443.6	388.9	325.8	275.1	287.9	291.7	298.8	300.0
3070.5	55°	2510.2	1047.2	427.4	389.4	335.0	261.2	280.2	287.3	289.9	289.6
3282.0	57.5°	2463.7	846.7	399.8	387.1	341.2	252.3	270.7	284.3	286.1	283.4
3241.7	60°	2300.5	623.4	378.8	369.6	338.8	249.7	256.2	277.8	280.5	276.9
2931.4	62.5°	2026.9	432.7	362.5	331.1	328.4	248.8	233.4	263.6	270.1	265.1
2356.2	65°	1595.7	305.6	312.1	290.2	305.9	244.0	209.7	246.4	255.3	247.6
1709.4	67.5°	1079.8	220.6	252.9	263.0	269.5	233.4	192.5	226.9	238.7	228.6
1097.0	70°	583.1	154.9	167.0	221.5	228.9	215.0	177.1	207.0	220.6	209.7
779.8	72.5°	344.4	111.4	117.0	178.0	190.7	189.2	159.9	183.9	200.5	187.5
538.1	75°	189.8	75.2	83.5	129.1	154.9	146.0	137.4	155.8	172.7	159.9
337.3	77.5°	85.0	45.0	58.0	84.7	121.7	100.1	106.3	121.4	137.1	123.8
187.8	80°	32.9	25.2	38.5	46.2	88.6	55.4	68.4	89.4	100.7	90.0
40.9	82.5°	4.1	11.3	16.6	18.1	51.5	29.3	39.7	56.3	55.4	48.0
0.0	85°	0.0	2.1	2.4	1.2	22.2	10.7	13.0	18.4	17.2	13.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
595.3	0°	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3
533.1	2.5°	518.6	507.9	502.6	498.1	502.3	504.7	504.7	514.7	520.6	523.0
483.0	5°	457.0	437.1	423.8	415.8	418.5	421.4	424.7	437.4	446.0	451.6
448.4	7.5°	408.4	378.2	359.5	349.8	351.2	353.3	356.0	368.4	377.0	384.4
441.9	10°	384.4	341.8	317.2	305.3	303.3	302.1	301.2	308.6	315.1	321.0
468.5	12.5°	385.6	326.1	296.2	281.6	275.4	268.3	262.7	263.9	268.0	275.4
516.2	15°	400.7	321.0	285.2	267.1	256.8	248.5	241.7	240.2	241.7	242.8
570.7	17.5°	421.1	320.4	275.7	253.2	242.6	235.7	229.5	227.4	227.7	229.2
606.8	20°	437.4	318.7	265.1	239.9	230.4	224.5	218.3	216.2	216.8	217.1
610.4	22.5°	446.0	316.0	253.2	226.6	218.6	212.6	207.0	206.7	206.7	208.5
591.1	25°	446.0	310.4	242.6	213.8	206.7	201.4	194.6	195.8	196.4	198.7
561.2	27.5°	435.3	299.7	234.0	202.9	195.5	190.1	183.9	185.4	186.3	188.9
531.6	30°	421.7	287.0	224.2	192.5	183.9	180.1	174.7	175.3	176.5	179.5
504.1	32.5°	407.2	271.9	216.2	182.1	173.5	170.6	164.7	165.6	166.7	170.0
476.8	35°	391.2	254.1	206.7	172.7	164.1	161.7	154.9	155.5	157.3	160.8
447.5	37.5°	374.3	239.6	197.2	163.5	154.6	152.2	145.1	145.7	147.8	151.9
416.7	40°	357.8	225.4	187.2	153.7	144.8	142.7	135.0	135.6	138.0	142.5
385.6	42.5°	339.7	214.4	174.1	143.6	134.2	132.1	125.0	125.9	128.5	133.0
356.9	45°	318.1	207.3	159.6	134.2	123.5	121.4	114.9	116.7	119.6	124.1
332.3	47.5°	295.9	204.3	147.5	124.1	112.5	110.8	105.4	108.4	111.7	115.2
311.3	50°	274.5	200.5	135.0	114.6	103.1	101.3	97.7	101.6	104.8	108.1
296.2	52.5°	250.3	192.2	123.8	106.3	95.1	94.5	92.7	96.3	99.2	102.2
283.1	55°	225.1	178.9	114.0	98.9	88.3	88.8	88.0	90.9	93.3	96.0
271.3	57.5°	203.2	162.0	106.3	90.9	82.3	84.1	82.9	84.4	85.9	89.1
257.1	60°	181.0	141.9	97.7	81.4	76.4	78.5	75.2	74.9	75.5	76.4
236.0	62.5°	151.0	120.8	87.1	73.2	69.9	70.8	64.6	59.8	59.8	60.7
206.7	65°	121.4	101.3	75.2	63.7	61.0	60.4	51.5	45.0	44.4	47.1
172.7	67.5°	99.8	84.1	63.4	53.0	51.2	51.8	45.3	38.8	38.2	41.2
140.7	70°	82.6	67.8	50.6	40.9	42.6	45.3	38.8	32.6	31.7	34.4
114.3	72.5°	65.7	53.0	38.8	30.2	35.2	38.5	31.7	25.8	25.2	27.5
88.3	75°	48.3	37.9	26.4	21.9	27.2	30.2	23.1	18.4	17.5	19.5
58.9	77.5°	29.9	21.3	16.6	13.0	18.7	20.1	12.1	10.7	10.4	11.8
35.8	80°	13.9	9.2	8.0	4.4	6.8	8.0	5.0	5.6	5.9	7.1
18.1	82.5°	3.9	1.5	0.3	0.0	0.0	2.4	1.2	2.4	3.0	4.4
1.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	2.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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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**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
595.3	0°	595.3	595.3	595.3	595.3	595.3	595.3	595.3	595.3
539.6	2.5°	552.0	563.9	582.8	602.4	621.6	641.2	660.1	666.9
477.4	5°	500.8	528.0	565.7	605.9	647.4	689.5	728.0	745.4
413.1	7.5°	443.6	482.7	539.3	602.4	668.4	734.5	795.2	823.3
349.5	10°	382.6	432.1	496.7	581.9	676.7	767.9	851.4	887.9
293.5	12.5°	324.6	376.4	447.8	550.0	670.2	787.2	887.6	930.5
254.1	15°	276.0	321.9	398.9	512.1	649.2	788.4	904.8	951.8
232.2	17.5°	239.6	269.5	349.2	470.0	621.6	777.4	910.7	961.0
220.3	20°	221.5	229.8	284.6	416.1	595.9	767.0	916.6	969.6
210.9	22.5°	210.9	212.9	232.8	346.5	565.1	763.8	927.0	981.5
202.3	25°	202.3	202.9	208.2	274.5	518.0	761.7	943.0	997.8
193.4	27.5°	193.7	193.7	196.6	221.2	454.0	752.8	963.7	1017.3
184.5	30°	185.1	185.1	187.2	195.8	379.1	735.4	988.6	1042.8
175.6	32.5°	176.2	176.2	178.0	184.2	302.7	713.4	1011.4	1068.5
166.4	35°	167.3	166.7	169.1	175.6	240.8	685.6	1034.2	1096.4
157.3	37.5°	157.9	157.6	159.9	167.3	207.9	653.3	1051.4	1134.3
148.1	40°	147.8	147.8	150.4	158.4	198.4	612.7	1078.6	1188.8
138.6	42.5°	138.6	138.0	141.0	150.7	191.3	574.0	1127.5	1268.1
130.0	45°	129.7	128.5	131.2	143.3	178.9	560.3	1218.7	1385.4
121.7	47.5°	121.4	118.5	120.8	134.5	167.6	611.3	1367.9	1548.0
114.3	50°	114.6	109.0	111.1	125.6	159.0	721.7	1561.6	1763.9
107.5	52.5°	107.5	100.1	101.3	114.6	151.3	826.9	1771.6	2048.8
100.7	55°	100.1	91.8	92.4	103.7	140.4	842.6	1976.5	2437.4
93.0	57.5°	91.8	84.1	84.1	93.6	132.4	730.3	2134.1	2919.5
83.5	60°	82.6	77.6	76.1	85.6	139.5	515.3	2152.5	3230.5
71.4	62.5°	72.6	69.9	67.8	77.9	144.8	305.3	2004.7	3155.2
56.3	65°	61.0	60.4	58.9	85.6	122.0	180.4	1721.0	2924.5
48.0	67.5°	51.2	50.3	50.3	89.7	92.7	113.4	1344.5	2607.1
40.9	70°	44.1	40.9	40.9	67.8	56.3	78.5	938.8	2264.4
33.8	72.5°	37.0	33.5	31.1	54.2	42.1	57.5	586.7	1939.2
25.8	75°	29.6	27.0	24.0	35.8	31.4	43.5	340.9	1606.6
16.3	77.5°	21.3	20.1	16.9	26.4	22.8	31.4	202.9	1239.7
10.1	80°	11.0	11.3	10.7	15.1	15.4	21.3	115.5	848.5
6.5	82.5°	6.5	5.0	5.6	7.4	8.9	12.1	43.5	498.7
4.7	85°	4.1	2.7	2.7	3.6	4.4	4.7	13.3	202.3
2.4	87.5°	2.1	0.9	1.2	1.8	1.5	1.2	0.6	50.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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