

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: P945450

Luminaire Tested: **GALN-SB1B-927-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945450  
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-927-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

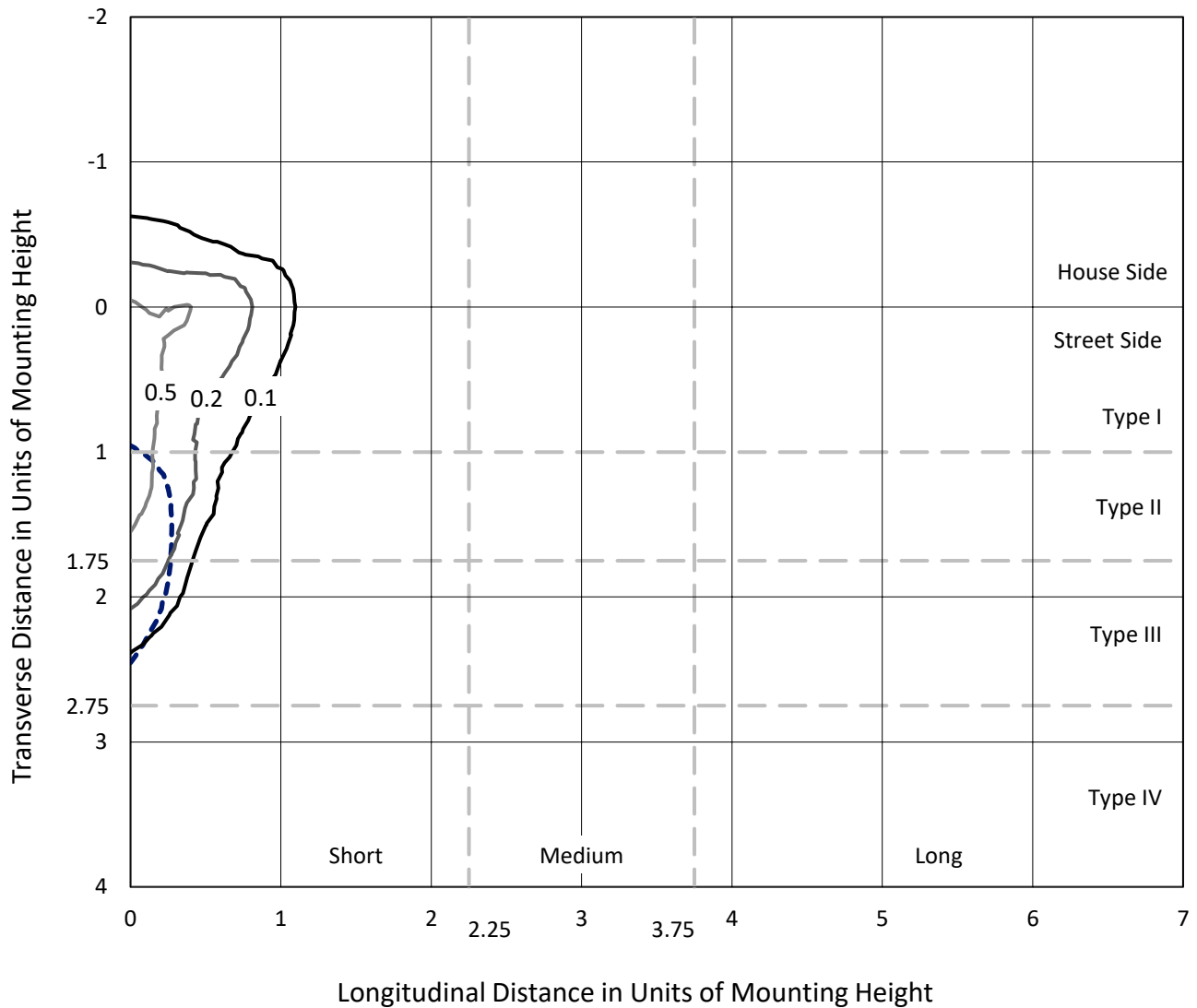
Lumens per Lamp: N/A  
Luminaire Lumens: 2617 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

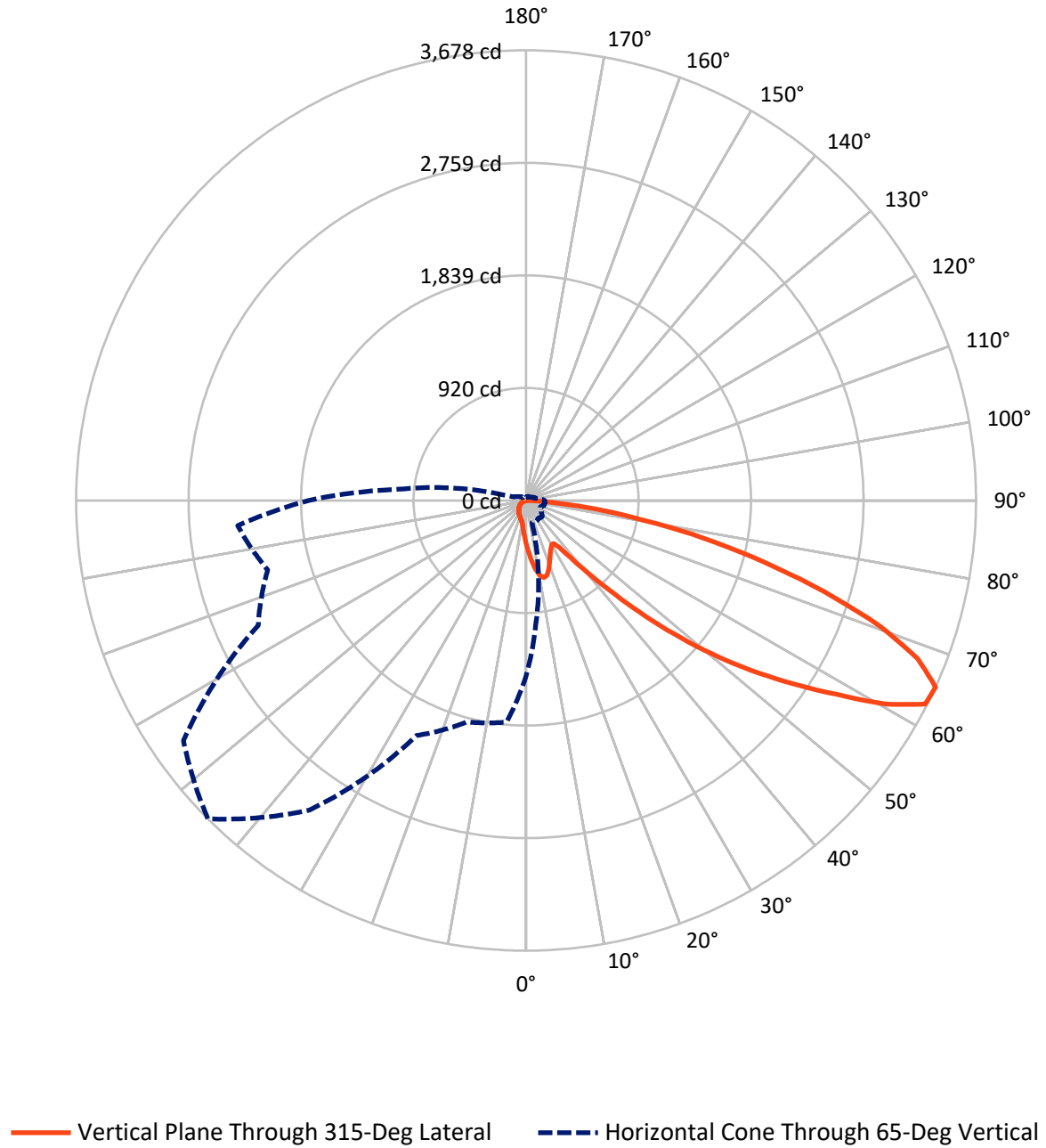
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	366.5	0.0	366.5
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	2250.5	0.0	2250.5
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	2617.0	0.0	2617.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	1.4
10°-20°	106.9	4.1
20°-30°	157.6	6.0
30°-40°	202.4	7.7
40°-50°	327.4	12.5
50°-60°	574.1	21.9
60°-70°	718.3	27.4
70°-80°	419.8	16.0
80°-90°	74.9	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°	2617.0	100.0
0°-180°	2617.0	100.0

**Coefficient of Utilization**



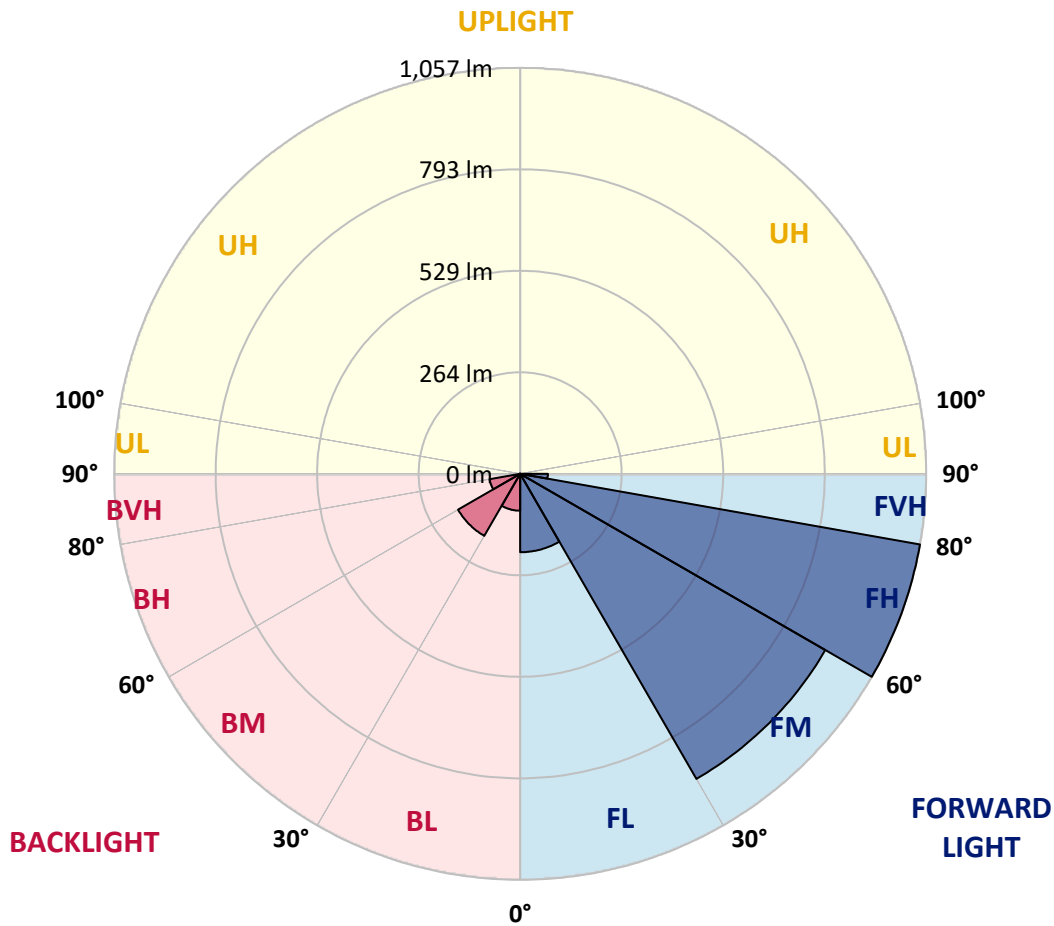
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.1	7.8			
FM (30°-60°)	917.2	35.0			
FH (60°-80°)	1057.2	40.4			G1/1800
FVH (80°-90°)	72.0	2.8			G1/100
BL (0°-30°)	96.1	3.7	B0/110		
BM (30°-60°)	186.6	7.1	B0/220		
BH (60°-80°)	80.9	3.1	B0/110		G0/110
BVH (80°-90°)	2.9	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
2.5°	409.4	402.4	398.2	388.0	377.7	369.4	358.2	350.8	342.0	333.5
5°	456.3	444.9	431.2	412.5	395.4	377.9	360.9	344.2	326.5	310.3
7.5°	496.0	479.6	455.4	430.5	408.7	387.6	367.8	345.6	324.2	298.7
10°	526.2	505.3	473.6	441.0	415.9	394.6	375.4	356.6	335.0	304.3
12.5°	544.6	522.3	484.6	446.4	417.7	393.9	379.0	370.7	362.2	331.7
15°	558.2	534.0	492.4	450.2	413.6	384.4	373.4	381.7	391.4	371.9
17.5°	572.2	546.8	502.5	451.8	402.4	365.8	361.1	382.6	405.1	404.2
20°	585.6	560.3	511.3	450.7	384.4	343.3	347.4	374.8	401.0	411.9
22.5°	600.9	574.2	519.8	446.6	360.9	322.2	335.1	362.6	385.4	398.4
25°	619.6	591.7	531.7	440.4	335.7	304.7	322.7	348.3	366.9	375.9
27.5°	639.8	612.6	547.5	437.2	315.3	292.2	308.6	331.4	347.9	354.3
30°	664.9	636.9	566.3	433.6	302.0	285.0	294.0	311.7	327.9	334.2
32.5°	692.3	664.0	584.3	424.9	293.9	279.6	279.8	291.0	305.8	313.3
35°	726.5	696.4	603.6	406.0	287.4	273.3	265.9	271.3	283.6	292.6
37.5°	775.4	739.0	627.2	379.0	277.8	263.6	251.3	252.6	262.0	271.9
40°	842.8	796.1	655.0	350.8	264.1	249.9	235.3	234.7	241.6	251.3
42.5°	934.1	871.7	688.3	324.0	251.0	233.3	218.3	217.4	222.8	231.3
45°	1054.5	968.3	729.2	300.9	240.7	217.1	202.3	201.9	206.4	213.8
47.5°	1208.6	1102.6	770.2	285.2	235.3	204.3	189.1	189.8	193.8	200.5
50°	1408.2	1277.7	782.6	277.3	235.3	197.4	177.4	181.0	184.3	189.3
52.5°	1647.4	1445.7	741.5	270.1	236.7	198.3	167.5	175.2	177.6	181.9
55°	1869.2	1528.1	637.5	260.1	237.1	203.9	159.0	170.5	174.9	176.5
57.5°	1997.9	1499.8	515.4	243.4	235.6	207.7	153.6	164.8	173.1	174.2
60°	1973.4	1400.4	379.5	230.6	225.0	206.2	152.0	155.9	169.1	170.7
62.5°	1784.5	1233.9	263.4	220.7	201.6	199.9	151.4	142.1	160.5	164.4
65°	1434.3	971.4	186.1	190.0	176.7	186.2	148.6	127.6	150.0	155.4
67.5°	1040.6	657.3	134.3	154.0	160.1	164.1	142.1	117.2	138.1	145.3
70°	667.8	355.0	94.3	101.7	134.9	139.4	130.9	107.8	126.0	134.3
72.5°	474.7	209.7	67.8	71.2	108.4	116.1	115.2	97.4	112.0	122.1
75°	327.6	115.6	45.8	50.8	78.6	94.3	88.9	83.7	94.8	105.1
77.5°	205.3	51.7	27.4	35.3	51.6	74.1	60.9	64.7	73.9	83.5
80°	114.3	20.0	15.3	23.4	28.1	53.9	33.7	41.6	54.4	61.3
82.5°	24.9	2.5	6.9	10.1	11.0	31.4	17.8	24.2	34.3	33.7
85°	0.0	0.0	1.3	1.4	0.7	13.5	6.5	7.9	11.2	10.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
362.4	0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
326.0	2.5°	324.5	315.7	309.2	305.9	303.2	305.8	307.2	307.2	313.3	316.9
300.4	5°	294.0	278.2	266.1	258.0	253.1	254.7	256.5	258.5	266.3	271.5
285.2	7.5°	272.9	248.6	230.2	218.9	212.9	213.8	215.1	216.7	224.3	229.5
287.4	10°	269.0	234.0	208.0	193.1	185.9	184.6	183.9	183.3	187.9	191.8
311.9	12.5°	285.2	234.7	198.5	180.3	171.5	167.7	163.3	159.9	160.6	163.2
349.0	15°	314.2	243.9	195.4	173.6	162.6	156.3	151.3	147.1	146.2	147.1
381.5	17.5°	347.4	256.4	195.1	167.8	154.1	147.7	143.5	139.7	138.5	138.6
399.7	20°	369.4	266.3	194.0	161.4	146.0	140.3	136.7	132.9	131.6	132.0
394.6	22.5°	371.6	271.5	192.4	154.1	137.9	133.0	129.4	126.0	125.8	125.8
375.7	25°	359.8	271.5	188.9	147.7	130.2	125.8	122.6	118.4	119.2	119.5
354.3	27.5°	341.6	265.0	182.4	142.4	123.5	119.0	115.7	112.0	112.9	113.4
334.2	30°	323.6	256.7	174.7	136.5	117.2	112.0	109.6	106.4	106.7	107.4
314.4	32.5°	306.8	247.9	165.5	131.6	110.9	105.6	103.8	100.2	100.8	101.5
294.9	35°	290.3	238.2	154.7	125.8	105.1	99.9	98.4	94.3	94.6	95.7
275.5	37.5°	272.4	227.9	145.8	120.1	99.5	94.1	92.7	88.3	88.7	90.0
255.3	40°	253.7	217.8	137.2	113.9	93.6	88.2	86.9	82.2	82.6	84.0
235.5	42.5°	234.7	206.8	130.5	106.0	87.4	81.7	80.4	76.1	76.6	78.2
218.1	45°	217.2	193.6	126.2	97.2	81.7	75.2	73.9	70.0	71.0	72.8
203.5	47.5°	202.3	180.1	124.4	89.8	75.5	68.5	67.4	64.2	66.0	68.0
191.1	50°	189.5	167.1	122.1	82.2	69.8	62.7	61.7	59.5	61.8	63.8
182.6	52.5°	180.3	152.3	117.0	75.4	64.7	57.9	57.5	56.4	58.6	60.4
176.3	55°	172.4	137.0	108.9	69.4	60.2	53.7	54.1	53.5	55.3	56.8
172.5	57.5°	165.1	123.7	98.6	64.7	55.3	50.1	51.2	50.5	51.4	52.3
168.6	60°	156.5	110.2	86.4	59.5	49.6	46.5	47.8	45.8	45.6	46.0
161.4	62.5°	143.7	91.9	73.6	53.0	44.5	42.5	43.1	39.3	36.4	36.4
150.7	65°	125.8	73.9	61.7	45.8	38.8	37.1	36.8	31.4	27.4	27.0
139.2	67.5°	105.1	60.8	51.2	38.6	32.3	31.2	31.5	27.6	23.6	23.3
127.6	70°	85.6	50.3	41.3	30.8	24.9	26.0	27.6	23.6	19.8	19.3
114.1	72.5°	69.6	40.0	32.3	23.6	18.4	21.5	23.4	19.3	15.7	15.3
97.4	75°	53.7	29.4	23.1	16.0	13.3	16.6	18.4	14.1	11.2	10.6
75.4	77.5°	35.9	18.2	13.0	10.1	7.9	11.4	12.3	7.4	6.5	6.3
54.8	80°	21.8	8.5	5.6	4.9	2.7	4.1	4.9	3.1	3.4	3.6
29.2	82.5°	11.0	2.3	0.9	0.2	0.0	0.0	1.4	0.7	1.4	1.8
7.9	85°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
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

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
362.4	0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
318.4	2.5°	328.5	336.0	343.3	354.8	366.7	378.4	390.3	401.9	406.0	409.1
274.9	5°	290.6	304.9	321.4	344.3	368.9	394.1	419.7	443.1	453.8	461.0
234.0	7.5°	251.5	270.1	293.9	328.3	366.7	406.9	447.1	484.1	501.2	515.1
195.4	10°	212.7	232.9	263.0	302.3	354.3	411.9	467.5	518.3	540.5	558.0
167.7	12.5°	178.7	197.6	229.1	272.6	334.8	408.0	479.2	540.3	566.5	586.1
147.8	15°	154.7	168.0	196.0	242.8	311.7	395.2	479.9	550.8	579.4	600.0
139.5	17.5°	141.3	145.8	164.1	212.6	286.1	378.4	473.2	554.4	585.0	604.1
132.1	20°	134.1	134.9	139.9	173.3	253.3	362.7	466.9	558.0	590.2	606.3
126.9	22.5°	128.4	128.4	129.6	141.7	210.9	344.0	465.0	564.3	597.5	607.4
121.0	25°	123.1	123.1	123.5	126.7	167.1	315.3	463.7	574.0	607.4	610.1
115.0	27.5°	117.7	117.9	117.9	119.7	134.7	276.4	458.3	586.6	619.3	613.7
109.3	30°	112.3	112.7	112.7	113.9	119.2	230.8	447.6	601.8	634.8	618.4
103.5	32.5°	106.9	107.3	107.3	108.4	112.1	184.3	434.3	615.7	650.5	620.4
97.9	35°	101.3	101.9	101.5	102.9	106.9	146.6	417.4	629.6	667.4	626.7
92.5	37.5°	95.7	96.1	95.9	97.4	101.9	126.6	397.7	640.0	690.5	640.7
86.7	40°	90.1	90.0	90.0	91.6	96.5	120.8	373.0	656.6	723.7	665.4
80.9	42.5°	84.4	84.4	84.0	85.8	91.8	116.5	349.4	686.3	772.0	704.7
75.5	45°	79.1	79.0	78.2	79.9	87.3	108.9	341.1	741.9	843.4	768.4
70.1	47.5°	74.1	73.9	72.1	73.6	81.8	102.0	372.1	832.7	942.3	861.9
65.8	50°	69.6	69.8	66.3	67.6	76.4	96.8	439.4	950.6	1073.8	988.0
62.2	52.5°	65.4	65.4	60.9	61.7	69.8	92.1	503.4	1078.5	1247.2	1163.7
58.4	55°	61.3	60.9	55.9	56.2	63.1	85.5	512.9	1203.2	1483.7	1428.2
54.3	57.5°	56.6	55.9	51.2	51.2	57.0	80.6	444.6	1299.1	1777.2	1816.9
46.5	60°	50.8	50.3	47.2	46.3	52.1	84.9	313.7	1310.3	1966.5	2333.8
37.0	62.5°	43.4	44.2	42.5	41.3	47.4	88.2	185.9	1220.3	1920.7	2498.2
28.7	65°	34.3	37.1	36.8	35.9	52.1	74.3	109.8	1047.6	1780.3	2365.5
25.1	67.5°	29.2	31.2	30.6	30.6	54.6	56.4	69.0	818.5	1587.0	2208.1
20.9	70°	24.9	26.9	24.9	24.9	41.3	34.3	47.8	571.5	1378.5	2034.0
16.8	72.5°	20.6	22.5	20.4	18.9	33.0	25.6	35.0	357.1	1180.5	1852.6
11.9	75°	15.7	18.0	16.4	14.6	21.8	19.1	26.5	207.5	978.0	1585.1
7.2	77.5°	9.9	13.0	12.3	10.3	16.0	13.9	19.1	123.5	754.7	1238.6
4.3	80°	6.1	6.7	6.9	6.5	9.2	9.4	13.0	70.3	516.5	863.2
2.7	82.5°	4.0	4.0	3.1	3.4	4.5	5.4	7.4	26.5	303.6	525.5
1.6	85°	2.9	2.5	1.6	1.6	2.2	2.7	2.9	8.1	123.1	207.5
0.7	87.5°	1.4	1.3	0.5	0.7	1.1	0.9	0.7	0.4	31.0	66.3
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°
362.4	0°	362.4	362.4	362.4	362.4	362.4	362.4	362.4	362.4
415.9	2.5°	419.5	425.1	425.5	425.5	420.6	420.4	410.5	409.4
477.2	5°	494.0	497.6	498.5	496.7	486.9	479.7	460.4	456.3
539.8	7.5°	562.1	569.3	569.3	565.0	549.1	534.4	506.4	496.0
591.5	10°	616.6	624.9	623.1	614.2	594.2	573.8	540.0	526.2
622.9	12.5°	643.1	651.5	646.9	636.8	617.3	595.8	560.1	544.6
631.9	15°	642.5	640.2	635.3	634.1	624.7	608.5	575.1	558.2
626.3	17.5°	619.6	599.8	596.0	608.6	620.5	616.6	588.1	572.2
613.0	20°	583.4	548.8	545.4	569.5	603.4	620.7	600.2	585.6
593.7	22.5°	545.2	507.9	499.9	526.6	577.6	622.0	615.5	600.9
572.4	25°	508.9	471.4	463.5	488.4	549.0	619.8	632.1	619.6
552.0	27.5°	478.7	442.4	435.0	459.9	521.4	613.7	648.7	639.8
531.8	30°	455.2	421.7	416.3	440.3	497.6	606.1	669.8	664.9
513.1	32.5°	441.5	417.0	419.0	438.6	484.8	597.8	689.9	692.3
503.9	35°	455.0	456.1	473.4	481.5	496.7	596.6	717.3	726.5
514.9	37.5°	522.3	559.8	595.7	589.0	554.9	611.2	758.3	775.4
562.8	40°	636.8	713.7	772.0	746.6	660.7	655.9	817.2	842.8
647.9	42.5°	776.7	907.2	1003.1	935.0	797.2	734.1	901.4	934.1
750.9	45°	924.3	1145.7	1296.8	1155.1	942.7	843.7	1028.9	1054.5
847.3	47.5°	1079.9	1435.6	1631.0	1399.2	1077.6	968.5	1202.7	1208.6
938.7	50°	1250.1	1753.4	1971.8	1643.1	1207.7	1111.5	1415.0	1408.2
1045.3	52.5°	1412.2	2080.3	2305.3	1888.1	1322.0	1288.9	1661.5	1647.4
1191.0	55°	1566.8	2407.0	2640.8	2123.6	1429.8	1523.2	1954.3	1869.2
1401.0	57.5°	1746.2	2700.7	2986.6	2360.1	1580.5	1827.5	2281.7	1997.9
1803.2	60°	2011.4	3034.4	3377.6	2684.2	1867.2	2147.4	2399.0	1973.4
2284.9	62.5°	2350.0	3341.2	3661.9	3001.9	2155.1	2207.6	2226.1	1784.5
2186.7	65°	2415.8	3418.9	3678.0	3086.8	2118.0	1872.6	1817.4	1434.3
1953.2	67.5°	2241.3	3278.5	3453.7	2928.7	1873.5	1447.1	1363.8	1040.6
1800.0	70°	2045.5	3010.7	3062.8	2659.9	1647.8	1064.4	921.1	667.8
1695.0	72.5°	1844.8	2653.6	2545.8	2310.0	1448.2	775.0	664.3	474.7
1545.6	75°	1606.5	2184.0	2005.3	1919.3	1199.1	608.3	480.6	327.6
1329.4	77.5°	1286.5	1537.3	1489.5	1487.7	901.1	444.4	320.7	205.3
1038.6	80°	907.5	997.7	973.4	1120.5	604.5	322.3	193.1	114.3
722.9	82.5°	439.4	551.7	566.3	667.2	294.0	189.7	44.5	24.9
282.7	85°	172.0	266.1	224.5	253.3	82.6	52.8	1.1	0.0
46.5	87.5°	19.3	30.8	28.3	22.4	10.1	2.2	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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