

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: P945891

Luminaire Tested: **GALN-SB1C-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945891
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-SB1C-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA 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: 3977 lumens
Efficiency: N/A
Efficacy: 73.1 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

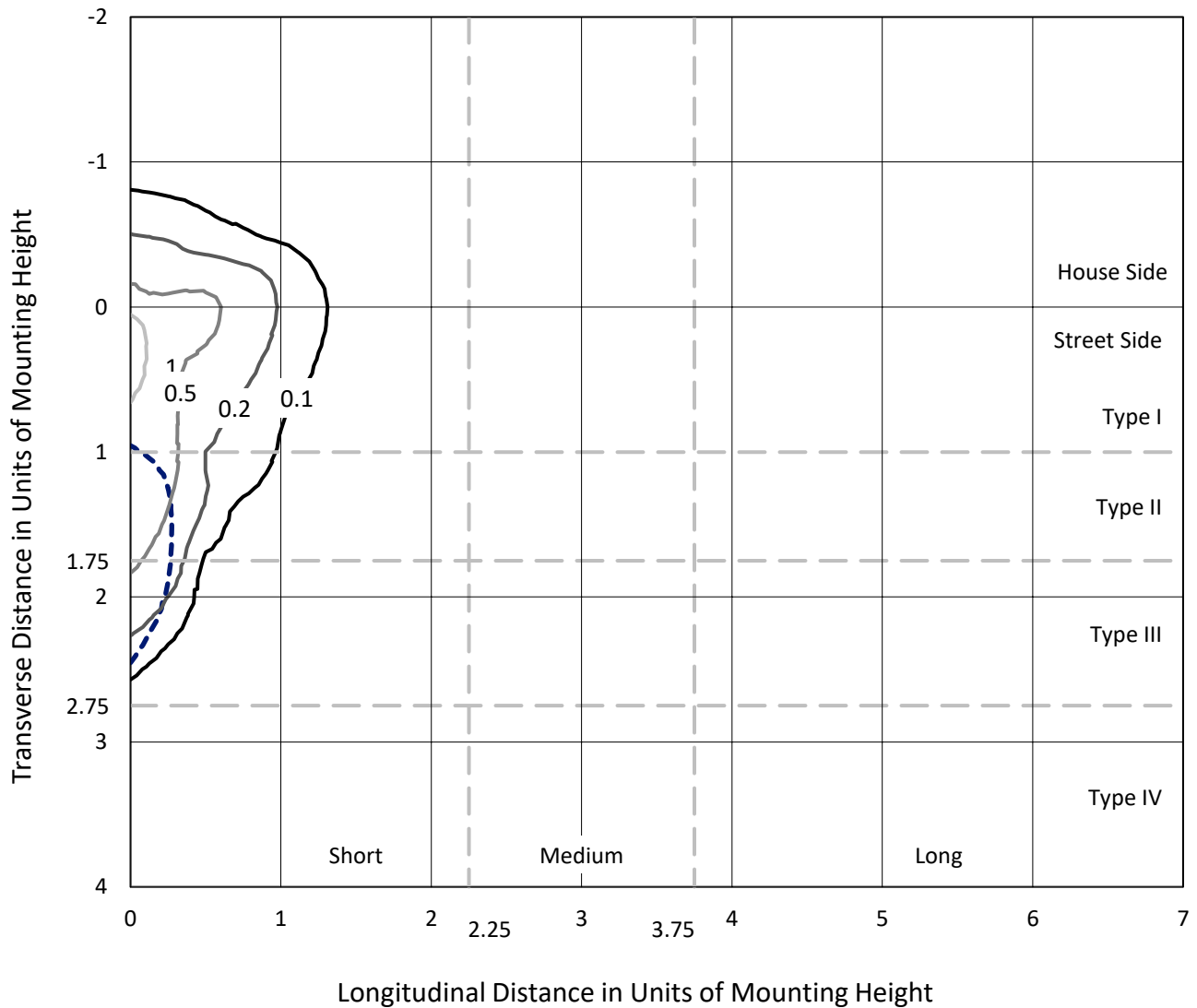
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

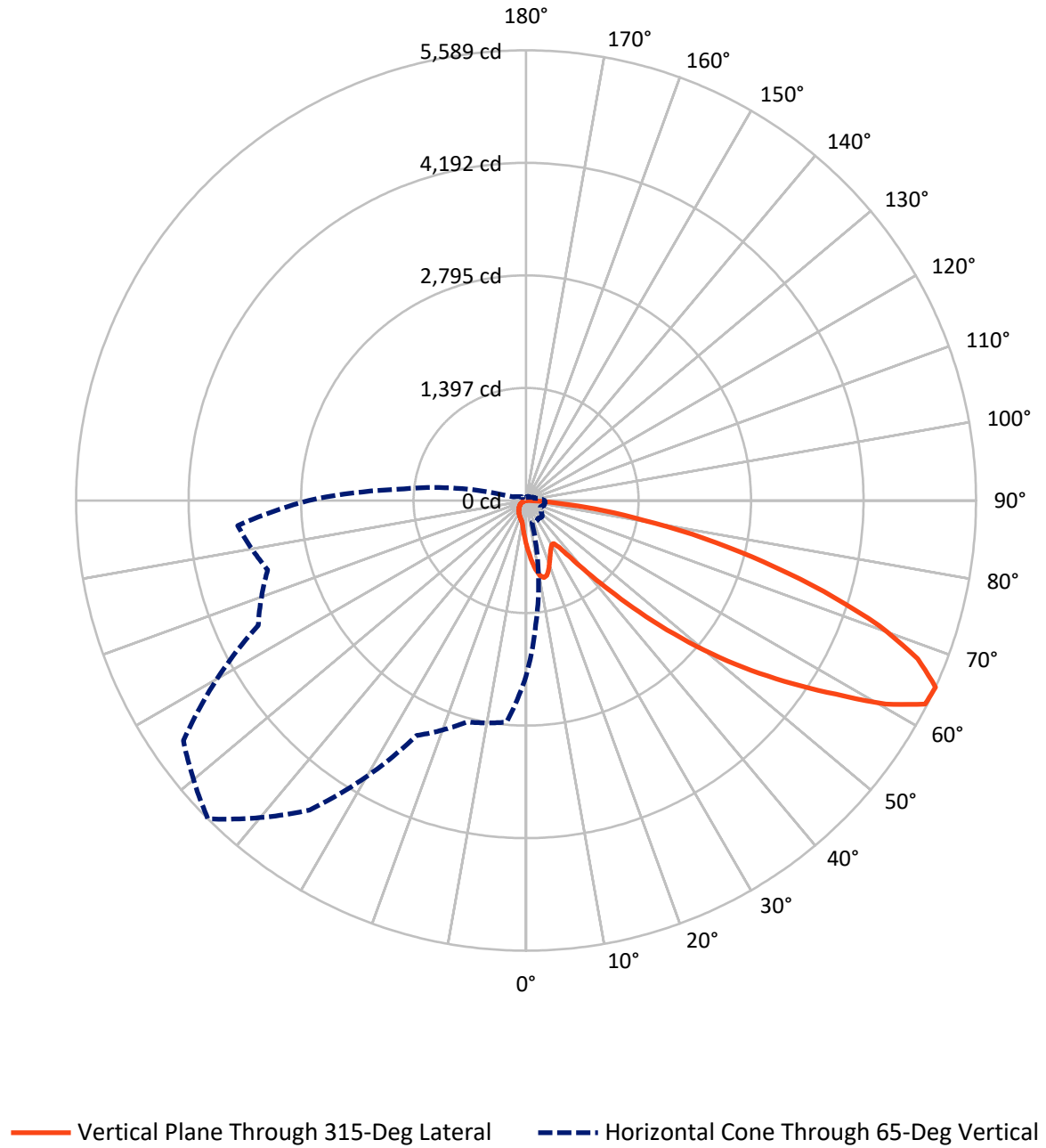
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.9	0.0	556.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	3420.0	0.0	3420.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	3977.0	0.0	3977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	1.4
10°-20°	162.5	4.1
20°-30°	239.4	6.0
30°-40°	307.6	7.7
40°-50°	497.5	12.5
50°-60°	872.4	21.9
60°-70°	1091.6	27.4
70°-80°	637.9	16.0
80°-90°	113.8	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°	3977.0	100.0
0°-180°	3977.0	100.0

Coefficient of Utilization



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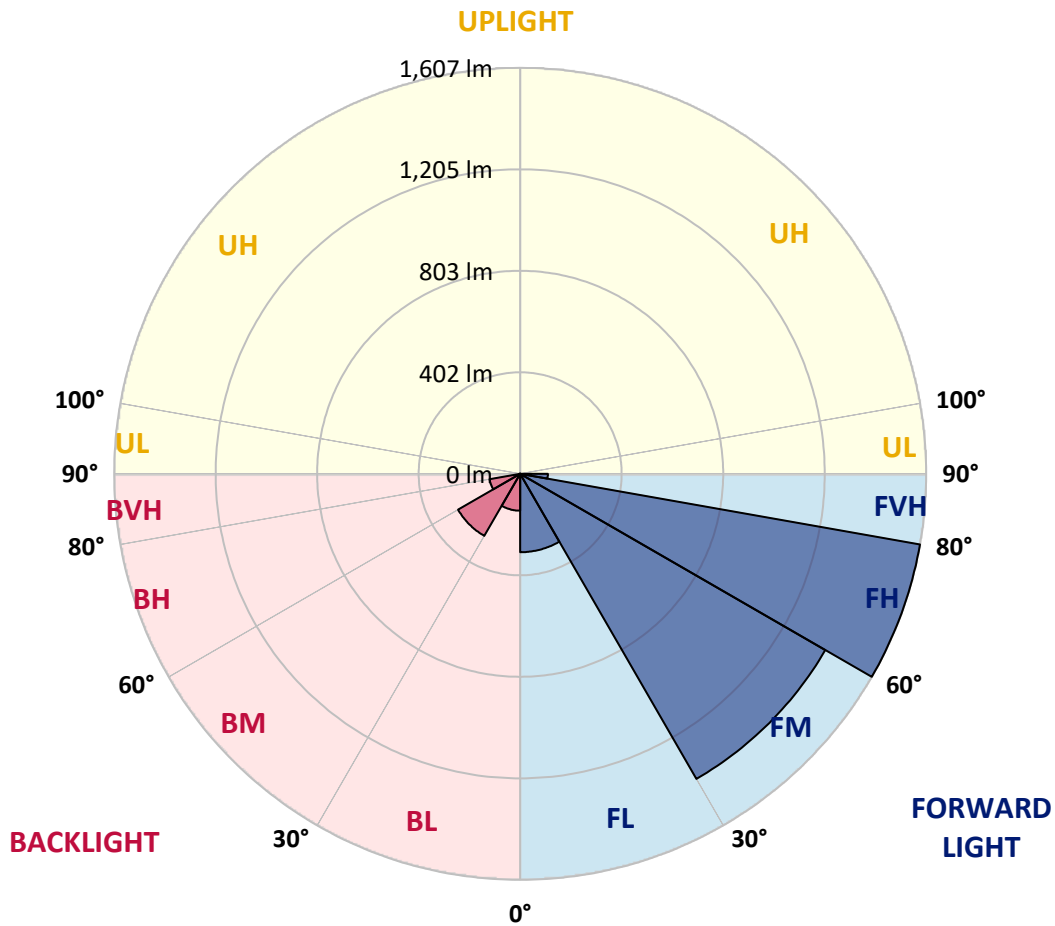
CATALOG NUMBER: GALN-SB1C-950-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.2	7.8			
FM (30°-60°)	1393.9	35.0			
FH (60°-80°)	1606.5	40.4			G1/1800
FVH (80°-90°)	109.4	2.8			G2/225
BL (0°-30°)	146.0	3.7	B1/500		
BM (30°-60°)	283.6	7.1	B1/1000		
BH (60°-80°)	123.0	3.1	B1/500		G1/500
BVH (80°-90°)	4.4	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°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
2.5°	622.2	611.5	605.2	589.6	574.0	561.4	544.4	533.2	519.7	506.9
5°	693.4	676.2	655.3	626.9	600.8	574.2	548.5	523.0	496.2	471.5
7.5°	753.7	728.8	692.1	654.2	621.1	589.0	558.9	525.2	492.6	454.0
10°	799.7	767.9	719.7	670.1	632.1	599.7	570.4	541.9	509.0	462.5
12.5°	827.7	793.7	736.4	678.4	634.8	598.6	575.9	563.3	550.4	504.1
15°	848.2	811.5	748.2	684.1	628.5	584.1	567.4	580.0	594.8	565.2
17.5°	869.6	831.0	763.6	686.6	611.5	555.9	548.8	581.4	615.6	614.2
20°	889.9	851.5	777.0	684.9	584.1	521.6	527.9	569.6	609.3	626.0
22.5°	913.2	872.6	789.9	678.6	548.5	489.6	509.3	551.0	585.8	605.5
25°	941.6	899.2	807.9	669.3	510.1	463.0	490.4	529.3	557.5	571.2
27.5°	972.3	931.0	832.1	664.4	479.2	444.1	469.0	503.6	528.8	538.4
30°	1010.4	967.9	860.6	658.9	458.9	433.2	446.9	473.7	498.4	507.9
32.5°	1052.1	1009.0	887.9	645.8	446.6	424.9	425.2	442.2	464.7	476.2
35°	1104.1	1058.4	917.3	617.0	436.7	415.3	404.1	412.3	431.0	444.7
37.5°	1178.4	1123.0	953.2	575.9	422.2	400.5	381.9	383.8	398.1	413.2
40°	1280.8	1209.9	995.3	533.2	401.4	379.7	357.5	356.7	367.1	381.9
42.5°	1419.5	1324.7	1046.0	492.3	381.4	354.5	331.8	330.4	338.6	351.5
45°	1602.5	1471.5	1108.2	457.3	365.8	329.9	307.4	306.9	313.7	324.9
47.5°	1836.7	1675.6	1170.4	433.4	357.5	310.4	287.4	288.5	294.5	304.7
50°	2140.0	1941.7	1189.3	421.4	357.5	300.0	269.6	275.1	280.0	287.7
52.5°	2503.6	2197.0	1126.9	410.4	359.7	301.4	254.5	266.3	269.9	276.4
55°	2840.6	2322.2	968.8	395.3	360.3	309.9	241.6	259.2	265.8	268.2
57.5°	3036.2	2279.2	783.3	369.9	358.1	315.6	233.4	250.4	263.0	264.7
60°	2998.9	2128.2	576.7	350.4	341.9	313.4	231.0	237.0	257.0	259.5
62.5°	2711.8	1875.1	400.3	335.3	306.3	303.8	230.1	215.9	243.8	249.9
65°	2179.7	1476.2	282.7	288.8	268.5	283.0	225.8	194.0	227.9	236.2
67.5°	1581.4	998.9	204.1	234.0	243.3	249.3	215.9	178.1	209.9	220.8
70°	1014.8	539.5	143.3	154.5	204.9	211.8	198.9	163.8	191.5	204.1
72.5°	721.4	318.6	103.0	108.2	164.7	176.4	175.1	147.9	170.1	185.5
75°	497.8	175.6	69.6	77.3	119.5	143.3	135.1	127.1	144.1	159.7
77.5°	312.1	78.6	41.6	53.7	78.4	112.6	92.6	98.4	112.3	126.8
80°	173.7	30.4	23.3	35.6	42.7	81.9	51.2	63.3	82.7	93.2
82.5°	37.8	3.8	10.4	15.3	16.7	47.7	27.1	36.7	52.1	51.2
85°	0.0	0.0	1.9	2.2	1.1	20.5	9.9	12.1	17.0	15.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
550.7	0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
495.3	2.5°	493.2	479.7	469.9	464.9	460.8	464.7	466.9	466.9	476.2	481.6
456.4	5°	446.9	422.7	404.4	392.1	384.7	387.1	389.9	392.9	404.7	412.6
433.4	7.5°	414.8	377.8	349.9	332.6	323.6	324.9	326.9	329.3	340.8	348.8
436.7	10°	408.8	355.6	316.2	293.4	282.5	280.5	279.5	278.6	285.5	291.5
474.0	12.5°	433.4	356.7	301.6	274.0	260.5	254.8	248.2	243.0	244.1	247.9
530.4	15°	477.5	370.7	297.0	263.8	247.1	237.5	229.9	223.6	222.2	223.6
579.7	17.5°	527.9	389.6	296.4	255.1	234.2	224.4	218.1	212.3	210.4	210.7
607.4	20°	561.4	404.7	294.8	245.2	221.9	213.2	207.7	201.9	200.0	200.5
599.7	22.5°	564.7	412.6	292.3	234.2	209.6	202.2	196.7	191.5	191.2	191.2
571.0	25°	546.9	412.6	287.1	224.4	197.8	191.2	186.3	180.0	181.1	181.6
538.4	27.5°	519.2	402.7	277.3	216.4	187.7	180.8	175.9	170.1	171.5	172.3
507.9	30°	491.8	390.1	265.5	207.4	178.1	170.1	166.6	161.6	162.2	163.3
477.8	32.5°	466.3	376.7	251.5	200.0	168.5	160.5	157.8	152.3	153.2	154.2
448.2	35°	441.1	361.9	235.1	191.2	159.7	151.8	149.6	143.3	143.8	145.5
418.6	37.5°	414.0	346.3	221.6	182.5	151.2	143.0	140.8	134.2	134.8	136.7
387.9	40°	385.5	331.0	208.5	173.2	142.2	134.0	132.1	124.9	125.5	127.7
357.8	42.5°	356.7	314.2	198.4	161.1	132.9	124.1	122.2	115.6	116.4	118.9
331.5	45°	330.1	294.2	191.8	147.7	124.1	114.2	112.3	106.3	107.9	110.7
309.3	47.5°	307.4	273.7	189.0	136.4	114.8	104.1	102.5	97.5	100.3	103.3
290.4	50°	287.9	254.0	185.5	124.9	106.0	95.3	93.7	90.4	94.0	97.0
277.5	52.5°	274.0	231.5	177.8	114.5	98.4	87.9	87.4	85.8	89.0	91.8
267.9	55°	261.9	208.2	165.5	105.5	91.5	81.6	82.2	81.4	84.1	86.3
262.2	57.5°	251.0	187.9	149.9	98.4	84.1	76.2	77.8	76.7	78.1	79.5
256.2	60°	237.8	167.4	131.2	90.4	75.3	70.7	72.6	69.6	69.3	69.9
245.2	62.5°	218.4	139.7	111.8	80.5	67.7	64.7	65.5	59.7	55.3	55.3
229.0	65°	191.2	112.3	93.7	69.6	58.9	56.4	55.9	47.7	41.6	41.1
211.5	67.5°	159.7	92.3	77.8	58.6	49.0	47.4	47.9	41.9	35.9	35.3
194.0	70°	130.1	76.4	62.7	46.8	37.8	39.5	41.9	35.9	30.1	29.3
173.4	72.5°	105.8	60.8	49.0	35.9	27.9	32.6	35.6	29.3	23.8	23.3
147.9	75°	81.6	44.7	35.1	24.4	20.3	25.2	27.9	21.4	17.0	16.2
114.5	77.5°	54.5	27.7	19.7	15.3	12.1	17.3	18.6	11.2	9.9	9.6
83.3	80°	33.2	12.9	8.5	7.4	4.1	6.3	7.4	4.7	5.2	5.5
44.4	82.5°	16.7	3.6	1.4	0.3	0.0	0.0	2.2	1.1	2.2	2.7
12.1	85°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4
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°
550.7	0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
483.8	2.5°	499.2	510.7	521.6	539.2	557.3	575.1	593.2	610.7	617.0	621.6
417.8	5°	441.6	463.3	488.5	523.3	560.6	598.9	637.8	673.4	689.6	700.6
355.6	7.5°	382.2	410.4	446.6	498.9	557.3	618.4	679.5	735.6	761.6	782.7
297.0	10°	323.3	354.0	399.7	459.5	538.4	626.0	710.4	787.7	821.4	847.9
254.8	12.5°	271.5	300.3	348.2	414.2	508.8	620.0	728.2	821.1	860.8	890.7
224.7	15°	235.1	255.3	297.8	369.0	473.7	600.6	729.3	837.0	880.6	911.8
212.1	17.5°	214.8	221.6	249.3	323.0	434.8	575.1	719.2	842.5	889.0	918.1
200.8	20°	203.8	204.9	212.6	263.3	384.9	551.2	709.6	847.9	897.0	921.4
192.9	22.5°	195.1	195.1	197.0	215.3	320.5	522.7	706.6	857.5	907.9	923.0
183.8	25°	187.1	187.1	187.7	192.6	254.0	479.2	704.7	872.3	923.0	927.1
174.8	27.5°	178.9	179.2	179.2	181.9	204.7	420.0	696.4	891.5	941.1	932.6
166.0	30°	170.7	171.2	171.2	173.2	181.1	350.7	680.3	914.5	964.7	939.7
157.3	32.5°	162.5	163.0	163.0	164.7	170.4	280.0	660.0	935.6	988.5	942.7
148.8	35°	154.0	154.8	154.2	156.4	162.5	222.7	634.2	956.7	1014.3	952.3
140.5	37.5°	145.5	146.0	145.8	147.9	154.8	192.3	604.4	972.6	1049.3	973.7
131.8	40°	137.0	136.7	136.7	139.2	146.6	183.6	566.9	997.8	1099.7	1011.2
123.0	42.5°	128.2	128.2	127.7	130.4	139.5	177.0	531.0	1043.0	1173.2	1071.0
114.8	45°	120.3	120.0	118.9	121.4	132.6	165.5	518.4	1127.4	1281.6	1167.7
106.6	47.5°	112.6	112.3	109.6	111.8	124.4	155.1	565.5	1265.5	1432.1	1309.9
100.0	50°	105.8	106.0	100.8	102.7	116.2	147.1	667.7	1444.7	1631.8	1501.4
94.5	52.5°	99.5	99.5	92.6	93.7	106.0	140.0	764.9	1638.9	1895.4	1768.5
88.8	55°	93.2	92.6	84.9	85.5	95.9	129.9	779.5	1828.5	2254.8	2170.4
82.5	57.5°	86.0	84.9	77.8	77.8	86.6	122.5	675.6	1974.3	2700.8	2761.1
70.7	60°	77.3	76.4	71.8	70.4	79.2	129.0	476.7	1991.2	2988.5	3546.6
56.2	62.5°	66.0	67.1	64.7	62.7	72.1	134.0	282.5	1854.5	2918.9	3796.5
43.6	65°	52.1	56.4	55.9	54.5	79.2	112.9	166.9	1592.1	2705.5	3594.8
38.1	67.5°	44.4	47.4	46.6	46.6	83.0	85.8	104.9	1243.8	2411.8	3355.6
31.8	70°	37.8	40.8	37.8	37.8	62.7	52.1	72.6	868.5	2094.8	3091.0
25.5	72.5°	31.2	34.2	31.0	28.8	50.1	38.9	53.2	542.7	1794.0	2815.4
18.1	75°	23.8	27.4	24.9	22.2	33.2	29.0	40.3	315.3	1486.3	2408.8
11.0	77.5°	15.1	19.7	18.6	15.6	24.4	21.1	29.0	187.7	1146.9	1882.2
6.6	80°	9.3	10.1	10.4	9.9	14.0	14.2	19.7	106.8	784.9	1311.8
4.1	82.5°	6.0	6.0	4.7	5.2	6.8	8.2	11.2	40.3	461.4	798.6
2.5	85°	4.4	3.8	2.5	2.5	3.3	4.1	4.4	12.3	187.1	315.3
1.1	87.5°	2.2	1.9	0.8	1.1	1.6	1.4	1.1	0.5	47.1	100.8
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°
550.7	0°	550.7	550.7	550.7	550.7	550.7	550.7	550.7	550.7
632.1	2.5°	637.5	646.0	646.6	646.6	639.2	638.9	623.8	622.2
725.2	5°	750.7	756.2	757.5	754.8	740.0	729.0	699.7	693.4
820.3	7.5°	854.3	865.2	865.2	858.6	834.5	812.1	769.6	753.7
898.9	10°	937.0	949.6	946.9	933.4	903.0	872.1	820.6	799.7
946.6	12.5°	977.3	990.1	983.0	967.7	938.1	905.5	851.2	827.7
960.3	15°	976.4	972.9	965.5	963.6	949.3	924.7	874.0	848.2
951.8	17.5°	941.6	911.5	905.8	924.9	943.0	937.0	893.7	869.6
931.5	20°	886.6	834.0	828.8	865.5	917.0	943.3	912.1	889.9
902.2	22.5°	828.5	771.8	759.7	800.3	877.8	945.2	935.3	913.2
869.9	25°	773.4	716.4	704.4	742.2	834.3	941.9	960.6	941.6
838.9	27.5°	727.4	672.3	661.1	698.9	792.3	932.6	985.8	972.3
808.2	30°	691.8	640.8	632.6	669.0	756.2	921.1	1017.8	1010.4
779.7	32.5°	671.0	633.7	636.7	666.6	736.7	908.5	1048.5	1052.1
765.8	35°	691.5	693.2	719.5	731.8	754.8	906.6	1090.1	1104.1
782.5	37.5°	793.7	850.7	905.2	895.1	843.3	928.8	1152.3	1178.4
855.3	40°	967.7	1084.7	1173.2	1134.5	1004.1	996.7	1241.9	1280.8
984.7	42.5°	1180.3	1378.6	1524.4	1420.8	1211.5	1115.6	1369.9	1419.5
1141.1	45°	1404.7	1741.1	1970.7	1755.3	1432.6	1282.2	1563.6	1602.5
1287.7	47.5°	1641.1	2181.7	2478.6	2126.3	1637.5	1471.8	1827.7	1836.7
1426.6	50°	1899.7	2664.7	2996.5	2497.0	1835.4	1689.0	2150.4	2140.0
1588.5	52.5°	2146.0	3161.4	3503.3	2869.3	2009.0	1958.6	2524.9	2503.6
1809.9	55°	2381.1	3657.8	4013.2	3227.1	2172.9	2314.8	2969.9	2840.6
2129.1	57.5°	2653.7	4104.1	4538.6	3586.6	2401.9	2777.3	3467.4	3036.2
2740.3	60°	3056.7	4611.3	5132.9	4079.2	2837.5	3263.3	3645.8	2998.9
3472.3	62.5°	3571.2	5077.6	5565.0	4561.9	3275.1	3354.8	3383.0	2711.8
3323.0	65°	3671.2	5195.6	5589.3	4691.0	3218.6	2845.8	2761.9	2179.7
2968.2	67.5°	3406.0	4982.2	5248.5	4450.7	2847.1	2199.2	2072.6	1581.4
2735.4	70°	3108.5	4575.4	4654.5	4042.2	2504.1	1617.5	1399.7	1014.8
2575.9	72.5°	2803.6	4032.6	3868.8	3510.4	2200.8	1177.8	1009.6	721.4
2348.8	75°	2441.4	3318.9	3047.4	2916.7	1822.2	924.4	730.4	497.8
2020.3	77.5°	1955.1	2336.2	2263.6	2260.8	1369.3	675.3	487.4	312.1
1578.4	80°	1379.2	1516.2	1479.2	1702.7	918.6	489.9	293.4	173.7
1098.6	82.5°	667.7	838.4	860.6	1014.0	446.9	288.2	67.7	37.8
429.6	85°	261.4	404.4	341.1	384.9	125.5	80.3	1.6	0.0
70.7	87.5°	29.3	46.8	43.0	34.0	15.3	3.3	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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