

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: P945889

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945889
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-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA 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: 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

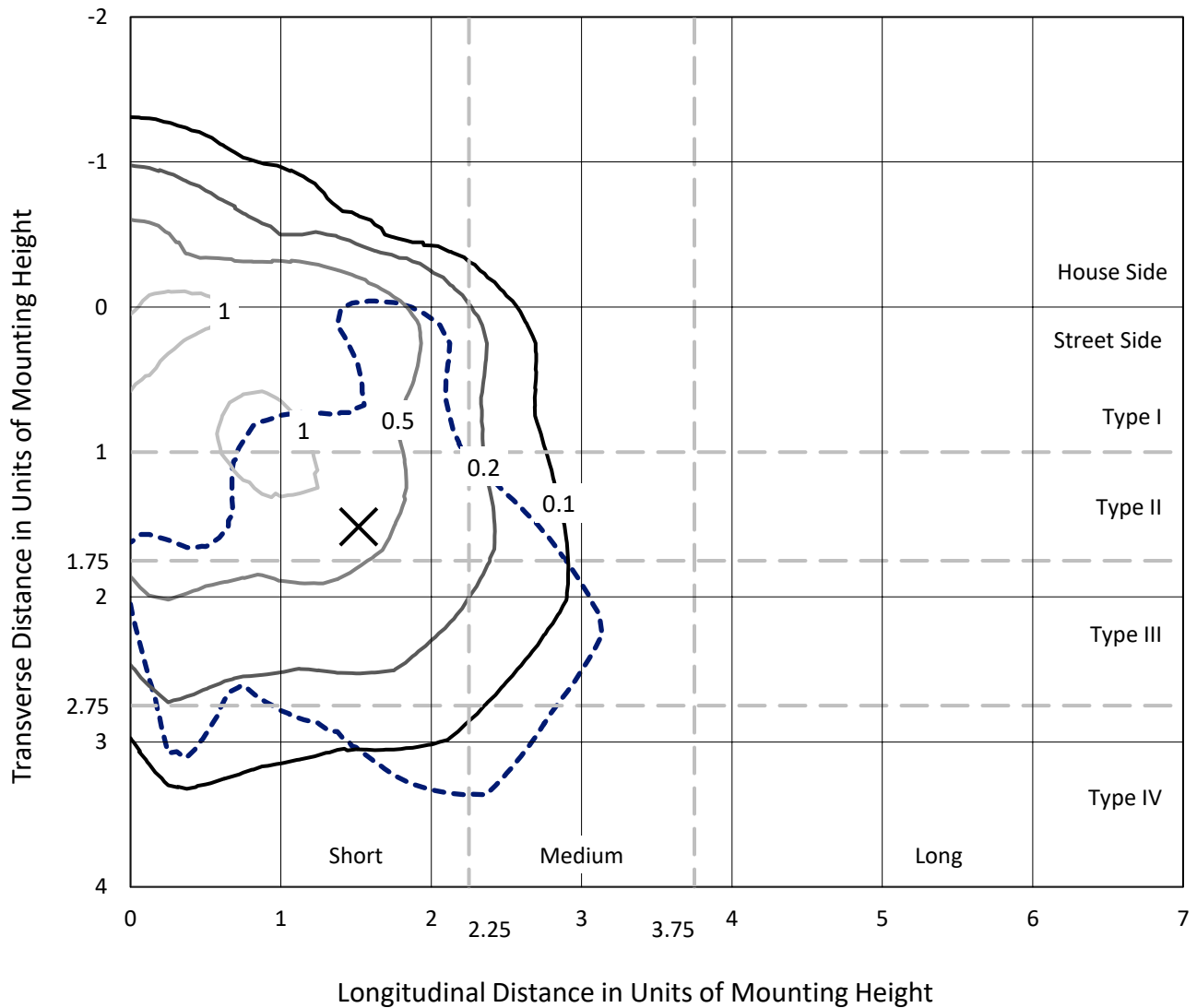
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

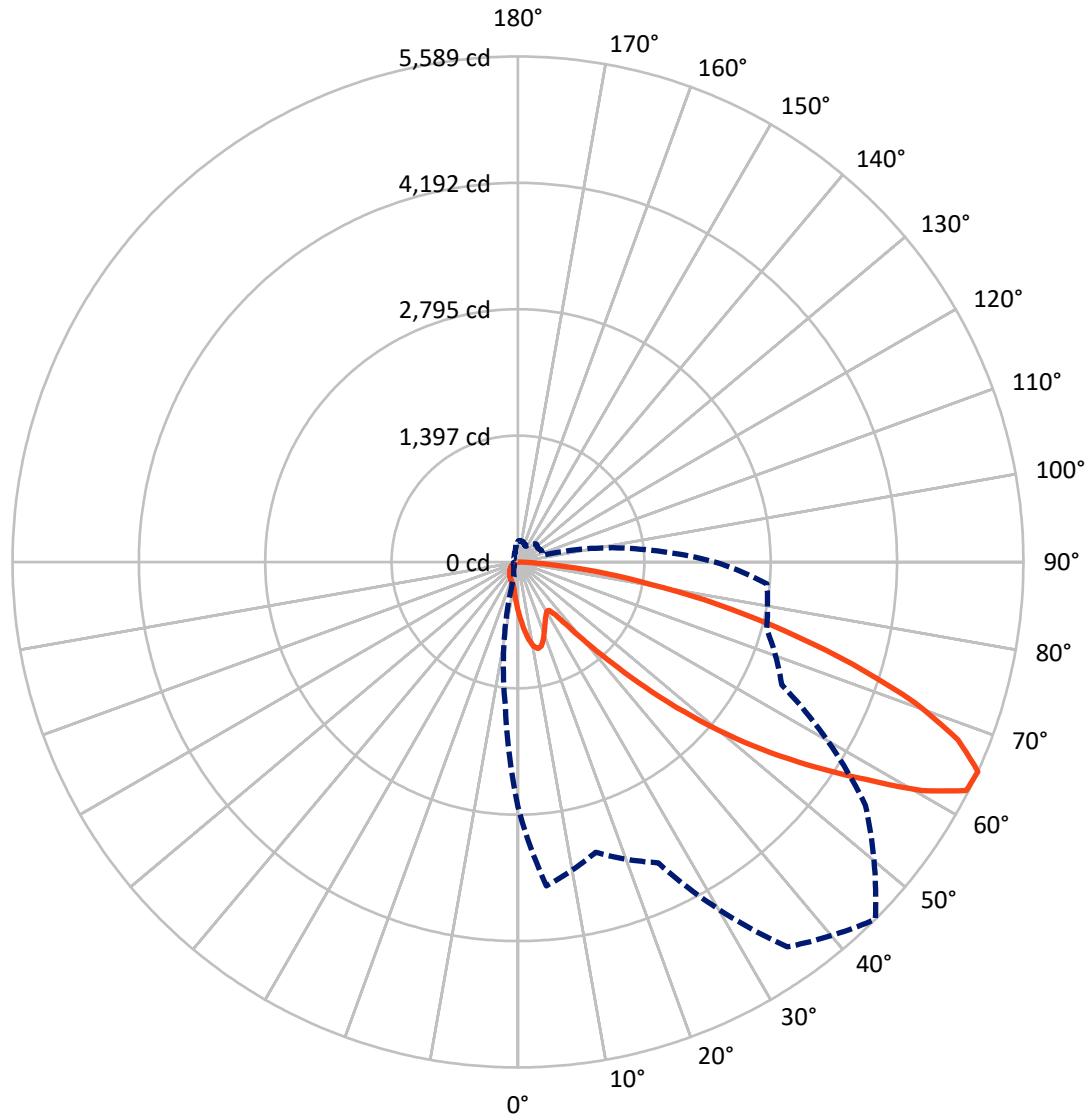
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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
House Side	Lumens	790.5	0.0	790.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3186.5	0.0	3186.5
	% Fixture	80.1	0.0	80.1
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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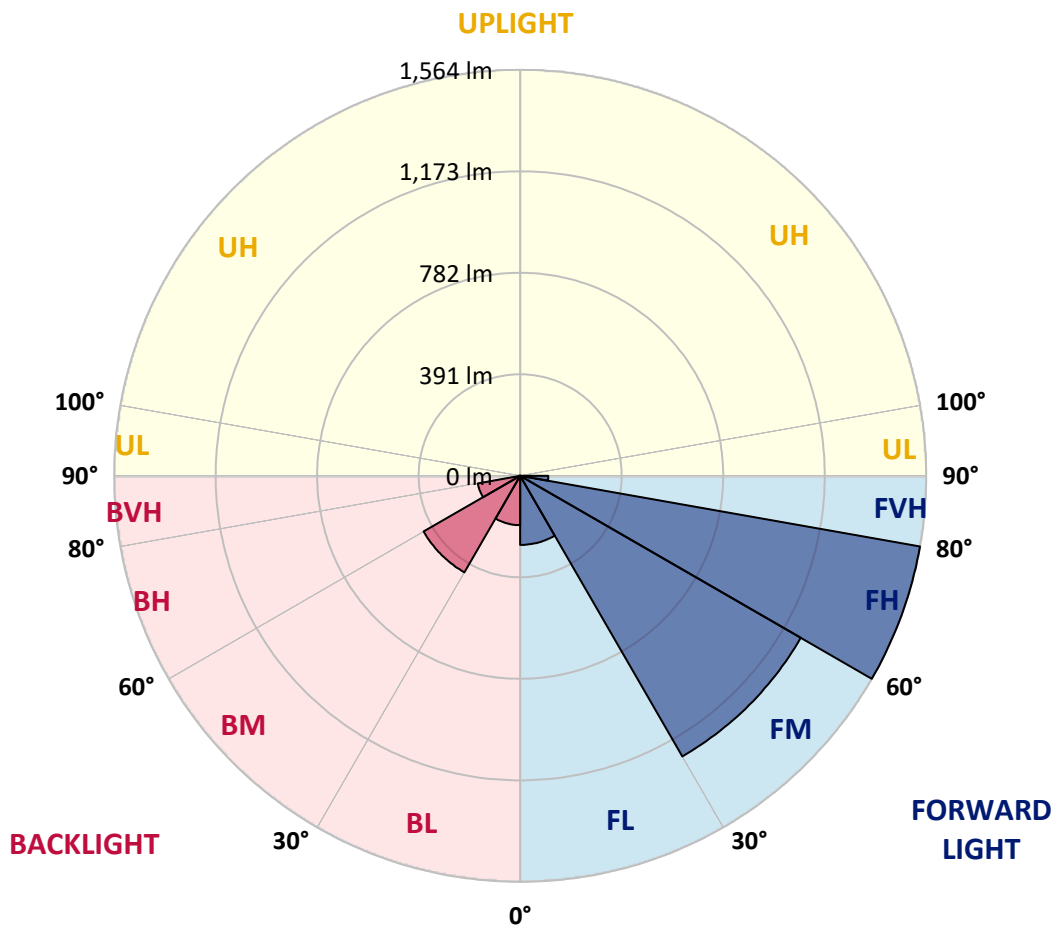
CATALOG NUMBER: GALN-SB1C-950-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.1	6.7			
FM (30°-60°)	1248.0	31.4			
FH (60°-80°)	1563.9	39.3			G1/1800
FVH (80°-90°)	108.5	2.7			G2/225
BL (0°-30°)	190.1	4.8	B1/500		
BM (30°-60°)	429.5	10.8	B1/1000		
BH (60°-80°)	165.6	4.2	B1/500		G1/500
BVH (80°-90°)	5.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	617.0	621.6	632.1	637.5	646.0	646.6	646.6	639.2	638.9	623.8
5°	689.6	700.6	725.2	750.7	756.2	757.5	754.8	740.0	729.0	699.7
7.5°	761.6	782.7	820.3	854.3	865.2	865.2	858.6	834.5	812.1	769.6
10°	821.4	847.9	898.9	937.0	949.6	946.9	933.4	903.0	872.1	820.6
12.5°	860.8	890.7	946.6	977.3	990.1	983.0	967.7	938.1	905.5	851.2
15°	880.6	911.8	960.3	976.4	972.9	965.5	963.6	949.3	924.7	874.0
17.5°	889.0	918.1	951.8	941.6	911.5	905.8	924.9	943.0	937.0	893.7
20°	897.0	921.4	931.5	886.6	834.0	828.8	865.5	917.0	943.3	912.1
22.5°	907.9	923.0	902.2	828.5	771.8	759.7	800.3	877.8	945.2	935.3
25°	923.0	927.1	869.9	773.4	716.4	704.4	742.2	834.3	941.9	960.6
27.5°	941.1	932.6	838.9	727.4	672.3	661.1	698.9	792.3	932.6	985.8
30°	964.7	939.7	808.2	691.8	640.8	632.6	669.0	756.2	921.1	1017.8
32.5°	988.5	942.7	779.7	671.0	633.7	636.7	666.6	736.7	908.5	1048.5
35°	1014.3	952.3	765.8	691.5	693.2	719.5	731.8	754.8	906.6	1090.1
37.5°	1049.3	973.7	782.5	793.7	850.7	905.2	895.1	843.3	928.8	1152.3
40°	1099.7	1011.2	855.3	967.7	1084.7	1173.2	1134.5	1004.1	996.7	1241.9
42.5°	1173.2	1071.0	984.7	1180.3	1378.6	1524.4	1420.8	1211.5	1115.6	1369.9
45°	1281.6	1167.7	1141.1	1404.7	1741.1	1970.7	1755.3	1432.6	1282.2	1563.6
47.5°	1432.1	1309.9	1287.7	1641.1	2181.7	2478.6	2126.3	1637.5	1471.8	1827.7
50°	1631.8	1501.4	1426.6	1899.7	2664.7	2996.5	2497.0	1835.4	1689.0	2150.4
52.5°	1895.4	1768.5	1588.5	2146.0	3161.4	3503.3	2869.3	2009.0	1958.6	2524.9
55°	2254.8	2170.4	1809.9	2381.1	3657.8	4013.2	3227.1	2172.9	2314.8	2969.9
57.5°	2700.8	2761.1	2129.1	2653.7	4104.1	4538.6	3586.6	2401.9	2777.3	3467.4
60°	2988.5	3546.6	2740.3	3056.7	4611.3	5132.9	4079.2	2837.5	3263.3	3645.8
62.5°	2918.9	3796.5	3472.3	3571.2	5077.6	5565.0	4561.9	3275.1	3354.8	3383.0
65°	2705.5	3594.8	3323.0	3671.2	5195.6	5589.3	4691.0	3218.6	2845.8	2761.9
67.5°	2411.8	3355.6	2968.2	3406.0	4982.2	5248.5	4450.7	2847.1	2199.2	2072.6
70°	2094.8	3091.0	2735.4	3108.5	4575.4	4654.5	4042.2	2504.1	1617.5	1399.7
72.5°	1794.0	2815.4	2575.9	2803.6	4032.6	3868.8	3510.4	2200.8	1177.8	1009.6
75°	1486.3	2408.8	2348.8	2441.4	3318.9	3047.4	2916.7	1822.2	924.4	730.4
77.5°	1146.9	1882.2	2020.3	1955.1	2336.2	2263.6	2260.8	1369.3	675.3	487.4
80°	784.9	1311.8	1578.4	1379.2	1516.2	1479.2	1702.7	918.6	489.9	293.4
82.5°	461.4	798.6	1098.6	667.7	838.4	860.6	1014.0	446.9	288.2	67.7
85°	187.1	315.3	429.6	261.4	404.4	341.1	384.9	125.5	80.3	1.6
87.5°	47.1	100.8	70.7	29.3	46.8	43.0	34.0	15.3	3.3	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):

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
622.2	2.5°	611.5	605.2	589.6	574.0	561.4	544.4	533.2	519.7	506.9	495.3
693.4	5°	676.2	655.3	626.9	600.8	574.2	548.5	523.0	496.2	471.5	456.4
753.7	7.5°	728.8	692.1	654.2	621.1	589.0	558.9	525.2	492.6	454.0	433.4
799.7	10°	767.9	719.7	670.1	632.1	599.7	570.4	541.9	509.0	462.5	436.7
827.7	12.5°	793.7	736.4	678.4	634.8	598.6	575.9	563.3	550.4	504.1	474.0
848.2	15°	811.5	748.2	684.1	628.5	584.1	567.4	580.0	594.8	565.2	530.4
869.6	17.5°	831.0	763.6	686.6	611.5	555.9	548.8	581.4	615.6	614.2	579.7
889.9	20°	851.5	777.0	684.9	584.1	521.6	527.9	569.6	609.3	626.0	607.4
913.2	22.5°	872.6	789.9	678.6	548.5	489.6	509.3	551.0	585.8	605.5	599.7
941.6	25°	899.2	807.9	669.3	510.1	463.0	490.4	529.3	557.5	571.2	571.0
972.3	27.5°	931.0	832.1	664.4	479.2	444.1	469.0	503.6	528.8	538.4	538.4
1010.4	30°	967.9	860.6	658.9	458.9	433.2	446.9	473.7	498.4	507.9	507.9
1052.1	32.5°	1009.0	887.9	645.8	446.6	424.9	425.2	442.2	464.7	476.2	477.8
1104.1	35°	1058.4	917.3	617.0	436.7	415.3	404.1	412.3	431.0	444.7	448.2
1178.4	37.5°	1123.0	953.2	575.9	422.2	400.5	381.9	383.8	398.1	413.2	418.6
1280.8	40°	1209.9	995.3	533.2	401.4	379.7	357.5	356.7	367.1	381.9	387.9
1419.5	42.5°	1324.7	1046.0	492.3	381.4	354.5	331.8	330.4	338.6	351.5	357.8
1602.5	45°	1471.5	1108.2	457.3	365.8	329.9	307.4	306.9	313.7	324.9	331.5
1836.7	47.5°	1675.6	1170.4	433.4	357.5	310.4	287.4	288.5	294.5	304.7	309.3
2140.0	50°	1941.7	1189.3	421.4	357.5	300.0	269.6	275.1	280.0	287.7	290.4
2503.6	52.5°	2197.0	1126.9	410.4	359.7	301.4	254.5	266.3	269.9	276.4	277.5
2840.6	55°	2322.2	968.8	395.3	360.3	309.9	241.6	259.2	265.8	268.2	267.9
3036.2	57.5°	2279.2	783.3	369.9	358.1	315.6	233.4	250.4	263.0	264.7	262.2
2998.9	60°	2128.2	576.7	350.4	341.9	313.4	231.0	237.0	257.0	259.5	256.2
2711.8	62.5°	1875.1	400.3	335.3	306.3	303.8	230.1	215.9	243.8	249.9	245.2
2179.7	65°	1476.2	282.7	288.8	268.5	283.0	225.8	194.0	227.9	236.2	229.0
1581.4	67.5°	998.9	204.1	234.0	243.3	249.3	215.9	178.1	209.9	220.8	211.5
1014.8	70°	539.5	143.3	154.5	204.9	211.8	198.9	163.8	191.5	204.1	194.0
721.4	72.5°	318.6	103.0	108.2	164.7	176.4	175.1	147.9	170.1	185.5	173.4
497.8	75°	175.6	69.6	77.3	119.5	143.3	135.1	127.1	144.1	159.7	147.9
312.1	77.5°	78.6	41.6	53.7	78.4	112.6	92.6	98.4	112.3	126.8	114.5
173.7	80°	30.4	23.3	35.6	42.7	81.9	51.2	63.3	82.7	93.2	83.3
37.8	82.5°	3.8	10.4	15.3	16.7	47.7	27.1	36.7	52.1	51.2	44.4
0.0	85°	0.0	1.9	2.2	1.1	20.5	9.9	12.1	17.0	15.9	12.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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
493.2	2.5°	479.7	469.9	464.9	460.8	464.7	466.9	466.9	476.2	481.6	483.8
446.9	5°	422.7	404.4	392.1	384.7	387.1	389.9	392.9	404.7	412.6	417.8
414.8	7.5°	377.8	349.9	332.6	323.6	324.9	326.9	329.3	340.8	348.8	355.6
408.8	10°	355.6	316.2	293.4	282.5	280.5	279.5	278.6	285.5	291.5	297.0
433.4	12.5°	356.7	301.6	274.0	260.5	254.8	248.2	243.0	244.1	247.9	254.8
477.5	15°	370.7	297.0	263.8	247.1	237.5	229.9	223.6	222.2	223.6	224.7
527.9	17.5°	389.6	296.4	255.1	234.2	224.4	218.1	212.3	210.4	210.7	212.1
561.4	20°	404.7	294.8	245.2	221.9	213.2	207.7	201.9	200.0	200.5	200.8
564.7	22.5°	412.6	292.3	234.2	209.6	202.2	196.7	191.5	191.2	191.2	192.9
546.9	25°	412.6	287.1	224.4	197.8	191.2	186.3	180.0	181.1	181.6	183.8
519.2	27.5°	402.7	277.3	216.4	187.7	180.8	175.9	170.1	171.5	172.3	174.8
491.8	30°	390.1	265.5	207.4	178.1	170.1	166.6	161.6	162.2	163.3	166.0
466.3	32.5°	376.7	251.5	200.0	168.5	160.5	157.8	152.3	153.2	154.2	157.3
441.1	35°	361.9	235.1	191.2	159.7	151.8	149.6	143.3	143.8	145.5	148.8
414.0	37.5°	346.3	221.6	182.5	151.2	143.0	140.8	134.2	134.8	136.7	140.5
385.5	40°	331.0	208.5	173.2	142.2	134.0	132.1	124.9	125.5	127.7	131.8
356.7	42.5°	314.2	198.4	161.1	132.9	124.1	122.2	115.6	116.4	118.9	123.0
330.1	45°	294.2	191.8	147.7	124.1	114.2	112.3	106.3	107.9	110.7	114.8
307.4	47.5°	273.7	189.0	136.4	114.8	104.1	102.5	97.5	100.3	103.3	106.6
287.9	50°	254.0	185.5	124.9	106.0	95.3	93.7	90.4	94.0	97.0	100.0
274.0	52.5°	231.5	177.8	114.5	98.4	87.9	87.4	85.8	89.0	91.8	94.5
261.9	55°	208.2	165.5	105.5	91.5	81.6	82.2	81.4	84.1	86.3	88.8
251.0	57.5°	187.9	149.9	98.4	84.1	76.2	77.8	76.7	78.1	79.5	82.5
237.8	60°	167.4	131.2	90.4	75.3	70.7	72.6	69.6	69.3	69.9	70.7
218.4	62.5°	139.7	111.8	80.5	67.7	64.7	65.5	59.7	55.3	55.3	56.2
191.2	65°	112.3	93.7	69.6	58.9	56.4	55.9	47.7	41.6	41.1	43.6
159.7	67.5°	92.3	77.8	58.6	49.0	47.4	47.9	41.9	35.9	35.3	38.1
130.1	70°	76.4	62.7	46.8	37.8	39.5	41.9	35.9	30.1	29.3	31.8
105.8	72.5°	60.8	49.0	35.9	27.9	32.6	35.6	29.3	23.8	23.3	25.5
81.6	75°	44.7	35.1	24.4	20.3	25.2	27.9	21.4	17.0	16.2	18.1
54.5	77.5°	27.7	19.7	15.3	12.1	17.3	18.6	11.2	9.9	9.6	11.0
33.2	80°	12.9	8.5	7.4	4.1	6.3	7.4	4.7	5.2	5.5	6.6
16.7	82.5°	3.6	1.4	0.3	0.0	0.0	2.2	1.1	2.2	2.7	4.1
1.4	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	2.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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
499.2	2.5°	510.7	521.6	539.2	557.3	575.1	593.2	610.7	617.0
441.6	5°	463.3	488.5	523.3	560.6	598.9	637.8	673.4	689.6
382.2	7.5°	410.4	446.6	498.9	557.3	618.4	679.5	735.6	761.6
323.3	10°	354.0	399.7	459.5	538.4	626.0	710.4	787.7	821.4
271.5	12.5°	300.3	348.2	414.2	508.8	620.0	728.2	821.1	860.8
235.1	15°	255.3	297.8	369.0	473.7	600.6	729.3	837.0	880.6
214.8	17.5°	221.6	249.3	323.0	434.8	575.1	719.2	842.5	889.0
203.8	20°	204.9	212.6	263.3	384.9	551.2	709.6	847.9	897.0
195.1	22.5°	195.1	197.0	215.3	320.5	522.7	706.6	857.5	907.9
187.1	25°	187.1	187.7	192.6	254.0	479.2	704.7	872.3	923.0
178.9	27.5°	179.2	179.2	181.9	204.7	420.0	696.4	891.5	941.1
170.7	30°	171.2	171.2	173.2	181.1	350.7	680.3	914.5	964.7
162.5	32.5°	163.0	163.0	164.7	170.4	280.0	660.0	935.6	988.5
154.0	35°	154.8	154.2	156.4	162.5	222.7	634.2	956.7	1014.3
145.5	37.5°	146.0	145.8	147.9	154.8	192.3	604.4	972.6	1049.3
137.0	40°	136.7	136.7	139.2	146.6	183.6	566.9	997.8	1099.7
128.2	42.5°	128.2	127.7	130.4	139.5	177.0	531.0	1043.0	1173.2
120.3	45°	120.0	118.9	121.4	132.6	165.5	518.4	1127.4	1281.6
112.6	47.5°	112.3	109.6	111.8	124.4	155.1	565.5	1265.5	1432.1
105.8	50°	106.0	100.8	102.7	116.2	147.1	667.7	1444.7	1631.8
99.5	52.5°	99.5	92.6	93.7	106.0	140.0	764.9	1638.9	1895.4
93.2	55°	92.6	84.9	85.5	95.9	129.9	779.5	1828.5	2254.8
86.0	57.5°	84.9	77.8	77.8	86.6	122.5	675.6	1974.3	2700.8
77.3	60°	76.4	71.8	70.4	79.2	129.0	476.7	1991.2	2988.5
66.0	62.5°	67.1	64.7	62.7	72.1	134.0	282.5	1854.5	2918.9
52.1	65°	56.4	55.9	54.5	79.2	112.9	166.9	1592.1	2705.5
44.4	67.5°	47.4	46.6	46.6	83.0	85.8	104.9	1243.8	2411.8
37.8	70°	40.8	37.8	37.8	62.7	52.1	72.6	868.5	2094.8
31.2	72.5°	34.2	31.0	28.8	50.1	38.9	53.2	542.7	1794.0
23.8	75°	27.4	24.9	22.2	33.2	29.0	40.3	315.3	1486.3
15.1	77.5°	19.7	18.6	15.6	24.4	21.1	29.0	187.7	1146.9
9.3	80°	10.1	10.4	9.9	14.0	14.2	19.7	106.8	784.9
6.0	82.5°	6.0	4.7	5.2	6.8	8.2	11.2	40.3	461.4
4.4	85°	3.8	2.5	2.5	3.3	4.1	4.4	12.3	187.1
2.2	87.5°	1.9	0.8	1.1	1.6	1.4	1.1	0.5	47.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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