

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: P946876

Luminaire Tested: **GALN-SB2B-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946876
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-SB2B-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5231 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

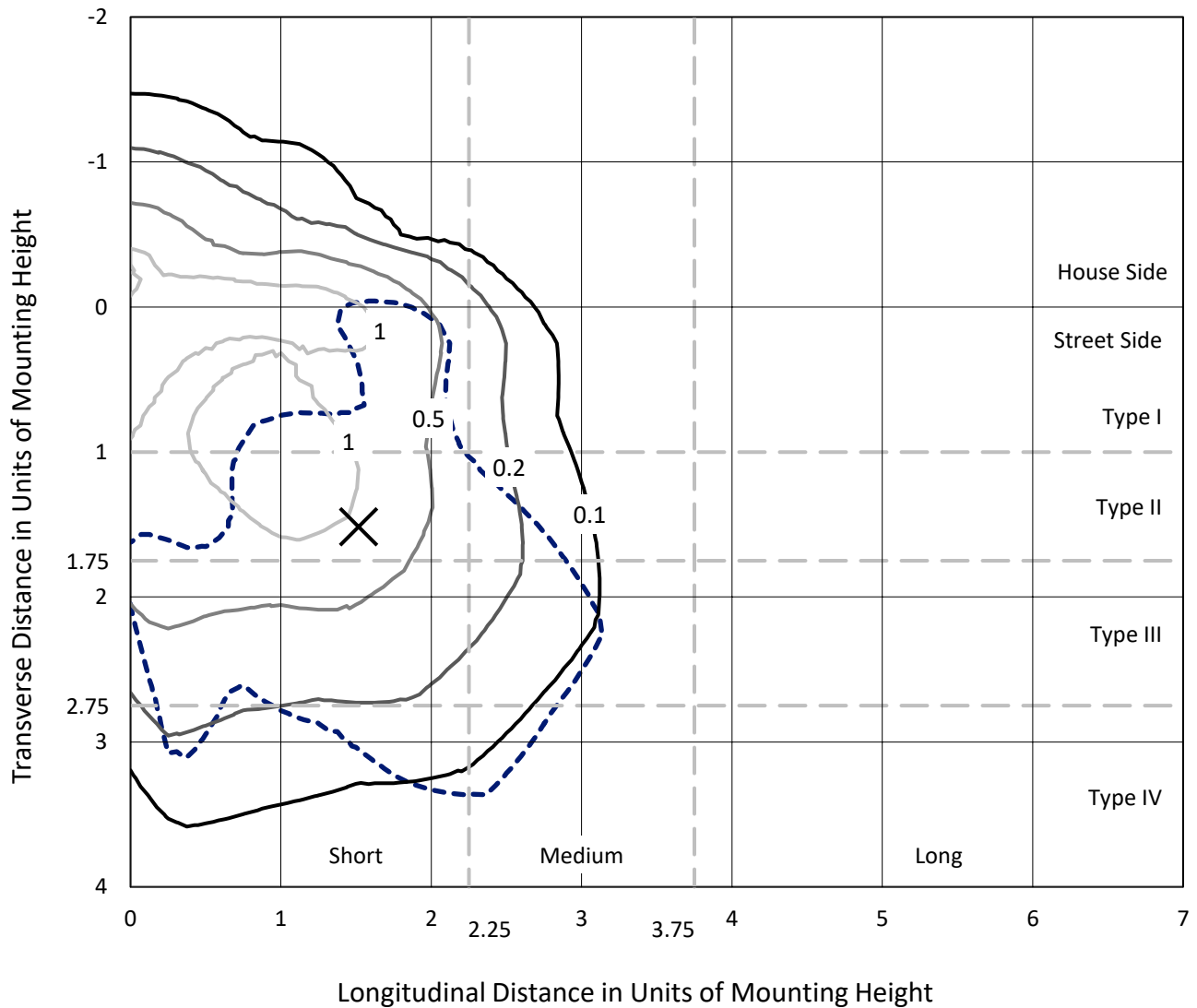
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

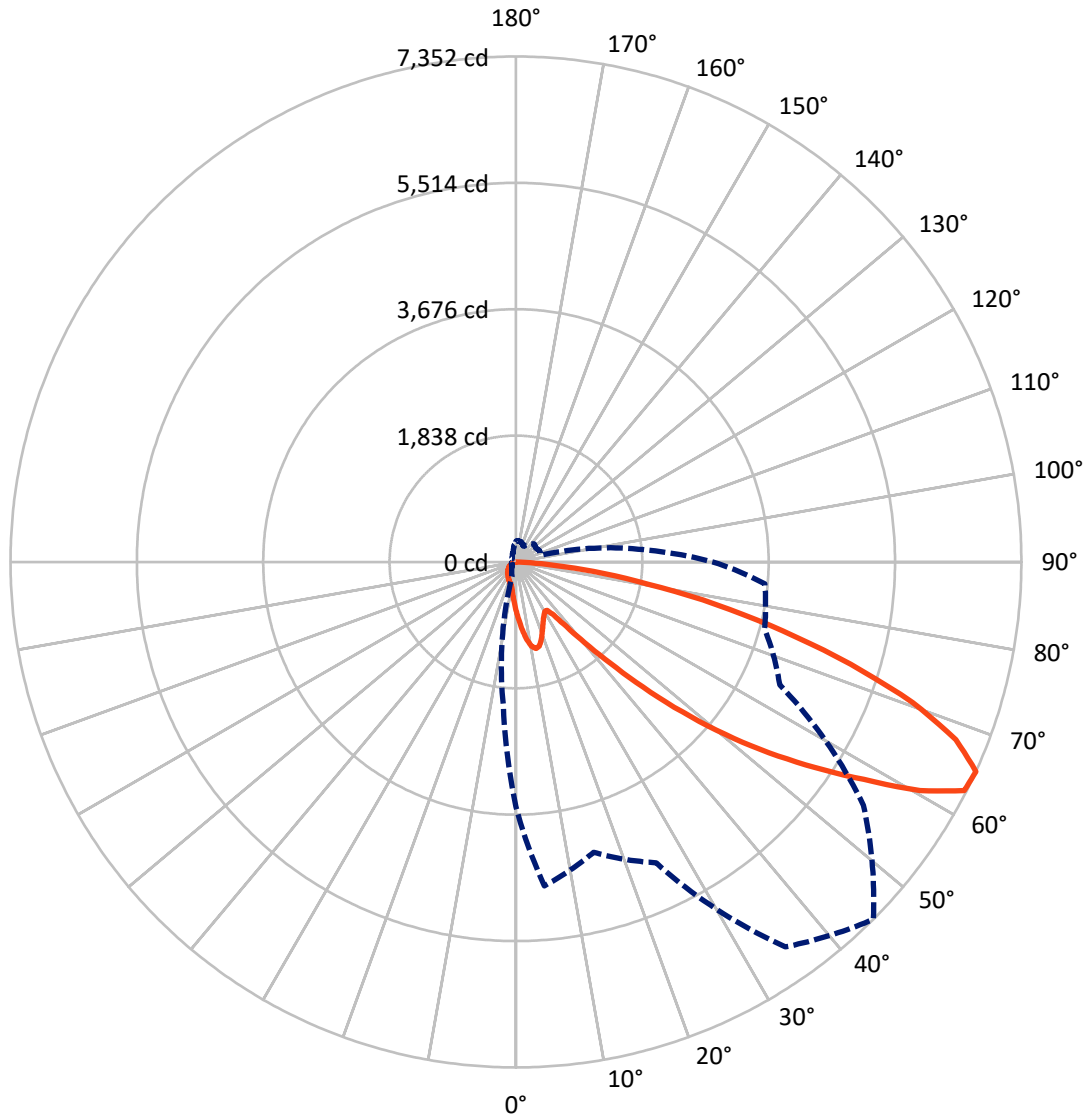
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1039.8	0.0	1039.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4191.2	0.0	4191.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	5231.0	0.0	5231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.4
10°-20°	213.8	4.1
20°-30°	314.9	6.0
30°-40°	404.6	7.7
40°-50°	654.4	12.5
50°-60°	1147.5	21.9
60°-70°	1435.8	27.4
70°-80°	839.0	16.0
80°-90°	149.7	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°	5231.0	100.0
0°-180°	5231.0	100.0

Coefficient of Utilization



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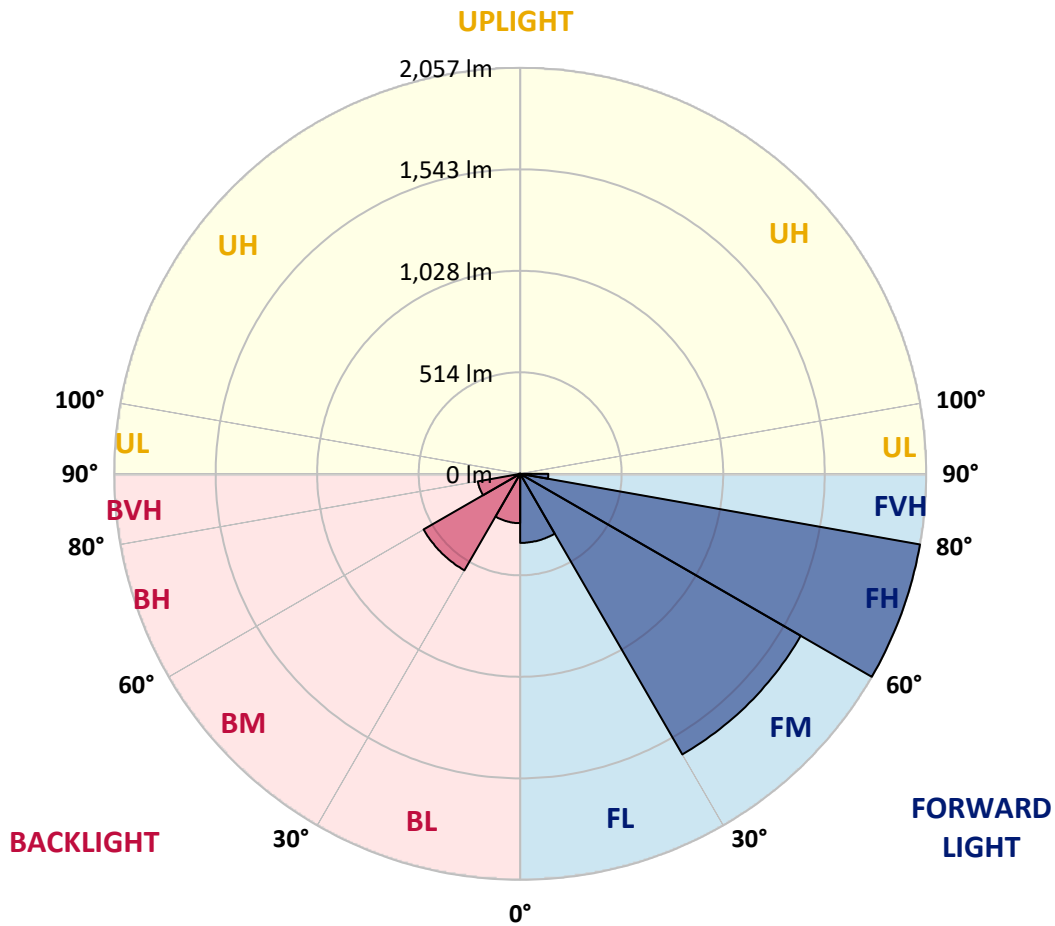
CATALOG NUMBER: GALN-SB2B-927-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.0	6.7			
FM (30°-60°)	1641.6	31.4			
FH (60°-80°)	2057.0	39.3			G2/5000
FVH (80°-90°)	142.7	2.7			G2/225
BL (0°-30°)	250.0	4.8	B1/500		
BM (30°-60°)	564.9	10.8	B1/1000		
BH (60°-80°)	217.8	4.2	B1/500		G1/500
BVH (80°-90°)	7.0	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°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
2.5°	811.5	817.7	831.4	838.6	849.7	850.5	850.5	840.7	840.4	820.5
5°	907.0	921.4	953.9	987.4	994.6	996.4	992.8	973.3	958.9	920.4
7.5°	1001.8	1029.6	1078.9	1123.6	1138.0	1138.0	1129.4	1097.7	1068.1	1012.3
10°	1080.4	1115.3	1182.3	1232.4	1249.0	1245.4	1227.8	1187.8	1147.0	1079.3
12.5°	1132.3	1171.5	1245.0	1285.4	1302.3	1293.0	1272.8	1233.9	1191.0	1119.6
15°	1158.2	1199.3	1263.1	1284.3	1279.6	1269.9	1267.4	1248.7	1216.2	1149.6
17.5°	1169.4	1207.6	1251.9	1238.6	1198.9	1191.4	1216.6	1240.4	1232.4	1175.5
20°	1179.8	1211.9	1225.2	1166.1	1096.9	1090.1	1138.4	1206.1	1240.7	1199.6
22.5°	1194.2	1214.1	1186.7	1089.7	1015.1	999.3	1052.6	1154.6	1243.2	1230.3
25°	1214.1	1219.5	1144.1	1017.3	942.3	926.5	976.2	1097.3	1238.9	1263.4
27.5°	1237.8	1226.7	1103.4	956.8	884.3	869.6	919.3	1042.2	1226.7	1296.6
30°	1268.8	1236.0	1063.1	909.9	842.9	832.1	880.0	994.6	1211.5	1338.7
32.5°	1300.2	1240.0	1025.6	882.5	833.5	837.5	876.8	969.0	1195.0	1379.1
35°	1334.1	1252.6	1007.2	909.6	911.7	946.3	962.5	992.8	1192.4	1433.9
37.5°	1380.2	1280.7	1029.2	1044.0	1118.9	1190.6	1177.3	1109.2	1221.6	1515.7
40°	1446.5	1330.1	1125.0	1272.8	1426.7	1543.1	1492.3	1320.7	1311.0	1633.5
42.5°	1543.1	1408.7	1295.1	1552.4	1813.3	2005.1	1868.8	1593.5	1467.4	1801.8
45°	1685.8	1535.9	1500.9	1847.6	2290.1	2592.1	2308.8	1884.3	1686.5	2056.6
47.5°	1883.6	1722.9	1693.7	2158.6	2869.6	3260.2	2796.8	2153.9	1935.9	2404.0
50°	2146.3	1974.8	1876.4	2498.7	3504.9	3941.3	3284.3	2414.1	2221.6	2828.5
52.5°	2493.0	2326.1	2089.4	2822.7	4158.2	4607.9	3774.1	2642.5	2576.2	3321.1
55°	2965.8	2854.8	2380.5	3131.9	4811.2	5278.6	4244.7	2858.0	3044.7	3906.3
57.5°	3552.4	3631.7	2800.4	3490.5	5398.2	5969.7	4717.5	3159.3	3653.0	4560.7
60°	3930.8	4664.9	3604.3	4020.6	6065.2	6751.4	5365.4	3732.3	4292.3	4795.3
62.5°	3839.3	4993.5	4567.2	4697.3	6678.6	7319.7	6000.4	4307.8	4412.6	4449.7
65°	3558.6	4728.3	4370.8	4828.8	6833.9	7351.7	6170.1	4233.5	3743.1	3632.8
67.5°	3172.3	4413.7	3904.2	4480.0	6553.2	6903.4	5854.1	3744.9	2892.6	2726.1
70°	2755.3	4065.6	3597.8	4088.7	6018.0	6122.2	5316.8	3293.7	2127.6	1841.1
72.5°	2359.6	3703.1	3388.1	3687.6	5304.2	5088.7	4617.3	2894.8	1549.2	1327.9
75°	1955.0	3168.3	3089.4	3211.2	4365.4	4008.3	3836.4	2396.8	1215.9	960.7
77.5°	1508.5	2475.7	2657.3	2571.5	3072.8	2977.3	2973.7	1801.1	888.3	641.1
80°	1032.4	1725.4	2076.0	1814.1	1994.2	1945.6	2239.6	1208.3	644.3	385.9
82.5°	606.8	1050.5	1445.0	878.2	1102.7	1131.9	1333.7	587.7	379.1	89.0
85°	246.1	414.8	565.0	343.8	531.9	448.6	506.3	165.0	105.6	2.2
87.5°	62.0	132.6	93.0	38.6	61.6	56.6	44.7	20.2	4.3	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°
724.3	0°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
818.4	2.5°	804.3	796.0	775.5	755.0	738.4	716.0	701.3	683.6	666.7	651.5
912.1	5°	889.4	862.0	824.5	790.3	755.3	721.4	687.9	652.6	620.2	600.4
991.4	7.5°	958.6	910.3	860.5	816.9	774.8	735.1	690.8	647.9	597.1	570.1
1051.9	10°	1010.1	946.7	881.4	831.4	788.8	750.3	712.8	669.6	608.3	574.4
1088.7	12.5°	1044.0	968.7	892.3	835.0	787.4	757.5	740.9	724.0	663.1	623.4
1115.7	15°	1067.4	984.1	899.8	826.7	768.3	746.3	762.9	782.3	743.4	697.7
1143.8	17.5°	1093.0	1004.3	903.1	804.3	731.2	721.8	764.7	809.7	807.9	762.5
1170.5	20°	1120.0	1022.0	900.9	768.3	686.1	694.4	749.2	801.4	823.4	798.9
1201.1	22.5°	1147.8	1038.9	892.6	721.4	644.0	669.9	724.7	770.5	796.4	788.8
1238.6	25°	1182.7	1062.7	880.4	671.0	609.0	645.0	696.2	733.3	751.4	751.0
1278.9	27.5°	1224.5	1094.4	873.9	630.3	584.1	616.9	662.3	695.5	708.1	708.1
1329.0	30°	1273.2	1131.9	866.7	603.6	569.7	587.7	623.1	655.5	668.1	668.1
1383.8	32.5°	1327.2	1167.9	849.4	587.4	558.9	559.3	581.6	611.2	626.3	628.5
1452.3	35°	1392.1	1206.5	811.5	574.4	546.3	531.5	542.3	566.8	584.9	589.6
1549.9	37.5°	1477.1	1253.7	757.5	555.3	526.8	502.3	504.9	523.6	543.4	550.6
1684.7	40°	1591.4	1309.2	701.3	527.9	499.5	470.3	469.2	482.9	502.3	510.3
1867.0	42.5°	1742.3	1375.9	647.6	501.6	466.3	436.4	434.6	445.4	462.3	470.6
2107.8	45°	1935.5	1457.7	601.4	481.1	433.9	404.3	403.6	412.6	427.4	436.0
2415.9	47.5°	2204.0	1539.5	570.1	470.3	408.3	378.0	379.5	387.4	400.7	406.8
2814.8	50°	2553.9	1564.3	554.2	470.3	394.6	354.6	361.8	368.3	378.4	382.0
3293.0	52.5°	2889.7	1482.2	539.8	473.2	396.4	334.8	350.3	355.0	363.6	365.0
3736.2	55°	3054.4	1274.2	520.0	473.9	407.6	317.8	340.9	349.6	352.8	352.4
3993.5	57.5°	2997.8	1030.3	486.5	471.0	415.1	307.0	329.4	345.9	348.1	344.9
3944.5	60°	2799.3	758.6	460.9	449.7	412.3	303.8	311.7	338.0	341.3	336.9
3566.9	62.5°	2466.3	526.5	441.1	402.9	399.6	302.7	284.0	320.7	328.6	322.5
2867.0	65°	1941.6	371.9	379.8	353.2	372.3	296.9	255.1	299.8	310.6	301.3
2080.0	67.5°	1313.9	268.5	307.7	320.0	327.9	284.0	234.2	276.0	290.5	278.2
1334.8	70°	709.6	188.5	203.2	269.6	278.6	261.6	215.5	251.9	268.5	255.1
948.8	72.5°	419.1	135.5	142.3	216.6	232.1	230.3	194.6	223.8	244.0	228.1
654.8	75°	231.0	91.5	101.6	157.1	188.5	177.7	167.2	189.6	210.1	194.6
410.5	77.5°	103.4	54.8	70.6	103.1	148.1	121.8	129.4	147.7	166.8	150.6
228.5	80°	40.0	30.6	46.8	56.2	107.7	67.4	83.2	108.8	122.5	109.5
49.7	82.5°	5.0	13.7	20.2	22.0	62.7	35.7	48.3	68.5	67.4	58.4
0.0	85°	0.0	2.5	2.9	1.4	27.0	13.0	15.9	22.3	20.9	15.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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°
724.3	0°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
648.7	2.5°	631.0	618.0	611.5	606.1	611.2	614.1	614.1	626.3	633.5	636.4
587.7	5°	556.0	531.9	515.7	505.9	509.2	512.8	516.8	532.3	542.7	549.6
545.6	7.5°	496.9	460.2	437.5	425.6	427.4	429.9	433.2	448.3	458.7	467.7
537.7	10°	467.7	415.9	385.9	371.5	369.0	367.6	366.5	375.5	383.4	390.6
570.1	12.5°	469.2	396.8	360.4	342.7	335.1	326.5	319.6	321.1	326.1	335.1
628.1	15°	487.6	390.6	347.0	325.0	312.4	302.3	294.1	292.3	294.1	295.5
694.4	17.5°	512.4	389.9	335.5	308.1	295.1	286.8	279.3	276.8	277.1	278.9
738.4	20°	532.3	387.7	322.5	291.9	280.4	273.2	265.6	263.1	263.8	264.1
742.7	22.5°	542.7	384.5	308.1	275.7	265.9	258.7	251.9	251.5	251.5	253.7
719.3	25°	542.7	377.7	295.1	260.2	251.5	245.0	236.8	238.2	238.9	241.8
682.9	27.5°	529.7	364.7	284.7	246.8	237.8	231.4	223.8	225.6	226.7	229.9
646.8	30°	513.2	349.2	272.8	234.2	223.8	219.1	212.6	213.3	214.8	218.4
613.3	32.5°	495.5	330.8	263.1	221.6	211.2	207.6	200.4	201.4	202.9	206.8
580.2	35°	476.0	309.2	251.5	210.1	199.6	196.8	188.5	189.2	191.4	195.7
544.5	37.5°	455.5	291.5	240.0	198.9	188.1	185.2	176.6	177.3	179.8	184.9
507.0	40°	435.3	274.2	227.7	187.0	176.2	173.7	164.3	165.0	167.9	173.3
469.2	42.5°	413.3	260.9	211.9	174.8	163.2	160.7	152.1	153.2	156.4	161.8
434.2	45°	387.0	252.3	194.2	163.2	150.3	147.7	139.8	142.0	145.6	151.0
404.3	47.5°	360.0	248.6	179.5	151.0	136.9	134.8	128.3	131.9	135.9	140.2
378.7	50°	334.1	244.0	164.3	139.5	125.4	123.2	118.9	123.6	127.6	131.5
360.4	52.5°	304.5	233.9	150.6	129.4	115.7	115.0	112.8	117.1	120.7	124.3
344.5	55°	273.9	217.7	138.7	120.4	107.4	108.1	107.0	110.6	113.5	116.8
330.1	57.5°	247.2	197.1	129.4	110.6	100.2	102.3	100.9	102.7	104.5	108.5
312.8	60°	220.2	172.6	118.9	99.1	93.0	95.5	91.5	91.2	91.9	93.0
287.2	62.5°	183.8	147.0	105.9	89.0	85.0	86.1	78.6	72.8	72.8	73.9
251.5	65°	147.7	123.2	91.5	77.5	74.2	73.5	62.7	54.8	54.1	57.3
210.1	67.5°	121.4	102.3	77.1	64.5	62.3	63.1	55.1	47.2	46.5	50.1
171.2	70°	100.5	82.5	61.6	49.7	51.9	55.1	47.2	39.6	38.6	41.8
139.1	72.5°	80.0	64.5	47.2	36.8	42.9	46.8	38.6	31.4	30.6	33.5
107.4	75°	58.7	46.1	32.1	26.7	33.2	36.8	28.1	22.3	21.3	23.8
71.7	77.5°	36.4	25.9	20.2	15.9	22.7	24.5	14.8	13.0	12.6	14.4
43.6	80°	16.9	11.2	9.7	5.4	8.3	9.7	6.1	6.8	7.2	8.6
22.0	82.5°	4.7	1.8	0.4	0.0	0.0	2.9	1.4	2.9	3.6	5.4
1.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8	3.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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°
724.3	0°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
656.6	2.5°	671.7	686.1	709.2	733.0	756.4	780.2	803.2	811.5
580.9	5°	609.4	642.5	688.3	737.3	787.7	838.9	885.8	907.0
502.7	7.5°	539.8	587.4	656.2	733.0	813.3	893.7	967.6	1001.8
425.2	10°	465.6	525.8	604.3	708.1	823.4	934.4	1036.0	1080.4
357.1	12.5°	395.0	458.0	544.9	669.2	815.5	957.8	1080.0	1132.3
309.2	15°	335.9	391.7	485.4	623.1	789.9	959.3	1100.9	1158.2
282.5	17.5°	291.5	327.9	424.9	571.9	756.4	945.9	1108.1	1169.4
268.1	20°	269.6	279.6	346.3	506.3	725.0	933.3	1115.3	1179.8
256.6	22.5°	256.6	259.1	283.2	421.6	687.6	929.4	1127.9	1194.2
246.1	25°	246.1	246.8	253.3	334.1	630.3	926.8	1147.4	1214.1
235.3	27.5°	235.7	235.7	239.3	269.2	552.4	916.0	1172.6	1237.8
224.5	30°	225.2	225.2	227.7	238.2	461.3	894.8	1202.9	1268.8
213.7	32.5°	214.4	214.4	216.6	224.1	368.3	868.1	1230.6	1300.2
202.5	35°	203.6	202.9	205.8	213.7	293.0	834.2	1258.4	1334.1
191.4	37.5°	192.1	191.7	194.6	203.6	253.0	795.0	1279.3	1380.2
180.2	40°	179.8	179.8	183.1	192.8	241.4	745.6	1312.4	1446.5
168.6	42.5°	168.6	167.9	171.5	183.4	232.8	698.4	1371.9	1543.1
158.2	45°	157.8	156.4	159.6	174.4	217.7	681.8	1482.9	1685.8
148.1	47.5°	147.7	144.1	147.0	163.6	204.0	743.8	1664.5	1883.6
139.1	50°	139.5	132.6	135.1	152.8	193.5	878.2	1900.2	2146.3
130.8	52.5°	130.8	121.8	123.2	139.5	184.1	1006.1	2155.7	2493.0
122.5	55°	121.8	111.7	112.4	126.1	170.8	1025.2	2405.1	2965.8
113.2	57.5°	111.7	102.3	102.3	113.9	161.1	888.7	2596.8	3552.4
101.6	60°	100.5	94.4	92.6	104.1	169.7	627.0	2619.1	3930.8
86.8	62.5°	88.3	85.0	82.5	94.8	176.2	371.5	2439.3	3839.3
68.5	65°	74.2	73.5	71.7	104.1	148.5	219.5	2094.1	3558.6
58.4	67.5°	62.3	61.3	61.3	109.2	112.8	138.0	1636.0	3172.3
49.7	70°	53.7	49.7	49.7	82.5	68.5	95.5	1142.3	2755.3
41.1	72.5°	45.0	40.7	37.8	65.9	51.2	69.9	713.9	2359.6
31.4	75°	36.0	32.8	29.2	43.6	38.2	53.0	414.8	1955.0
19.8	77.5°	25.9	24.5	20.5	32.1	27.7	38.2	246.8	1508.5
12.3	80°	13.3	13.7	13.0	18.4	18.7	25.9	140.5	1032.4
7.9	82.5°	7.9	6.1	6.8	9.0	10.8	14.8	53.0	606.8
5.8	85°	5.0	3.2	3.2	4.3	5.4	5.8	16.2	246.1
2.9	87.5°	2.5	1.1	1.4	2.2	1.8	1.4	0.7	62.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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