

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: P946878

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946878  
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-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

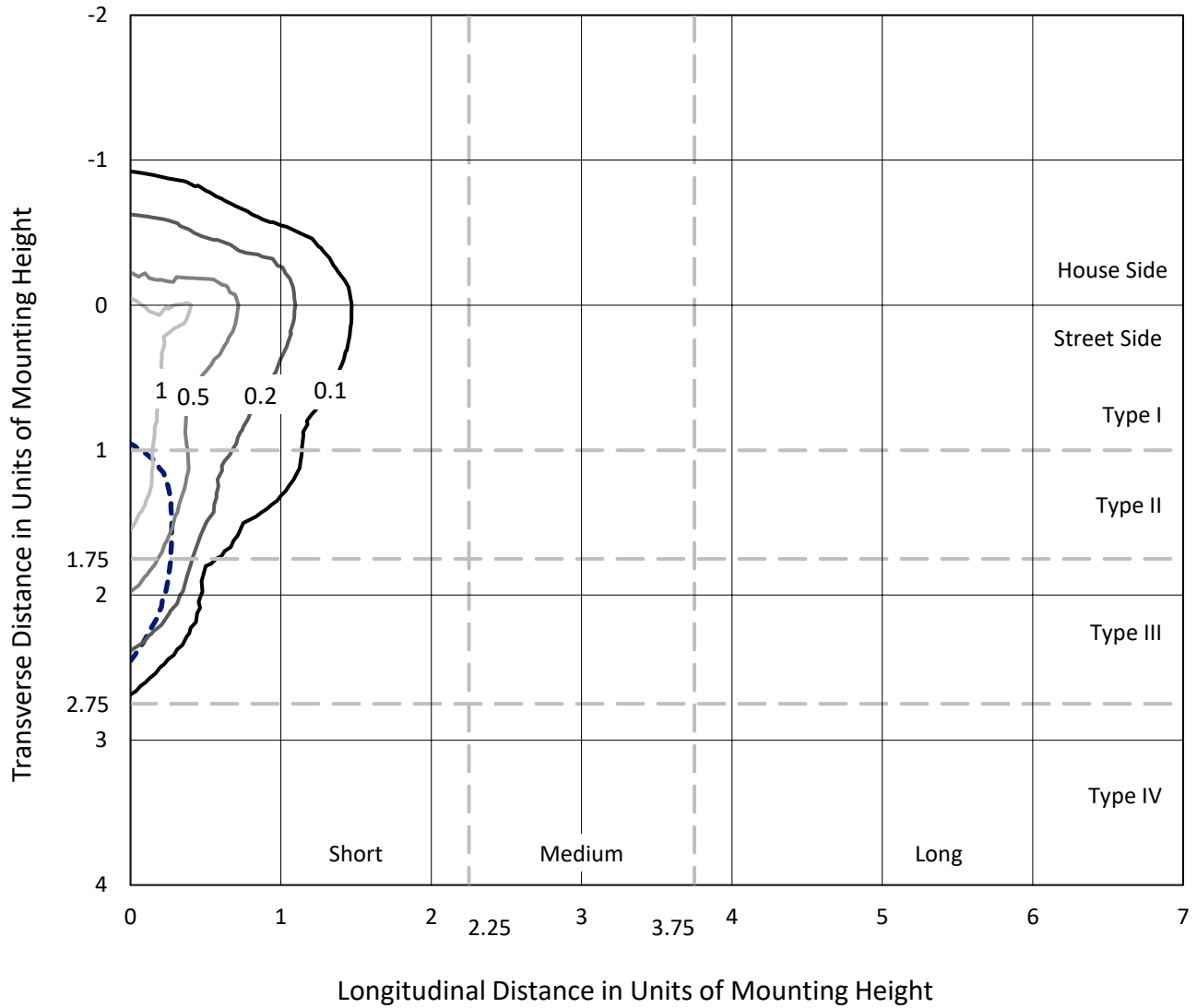
Lumens per Lamp: N/A  
Luminaire Lumens: 5231 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

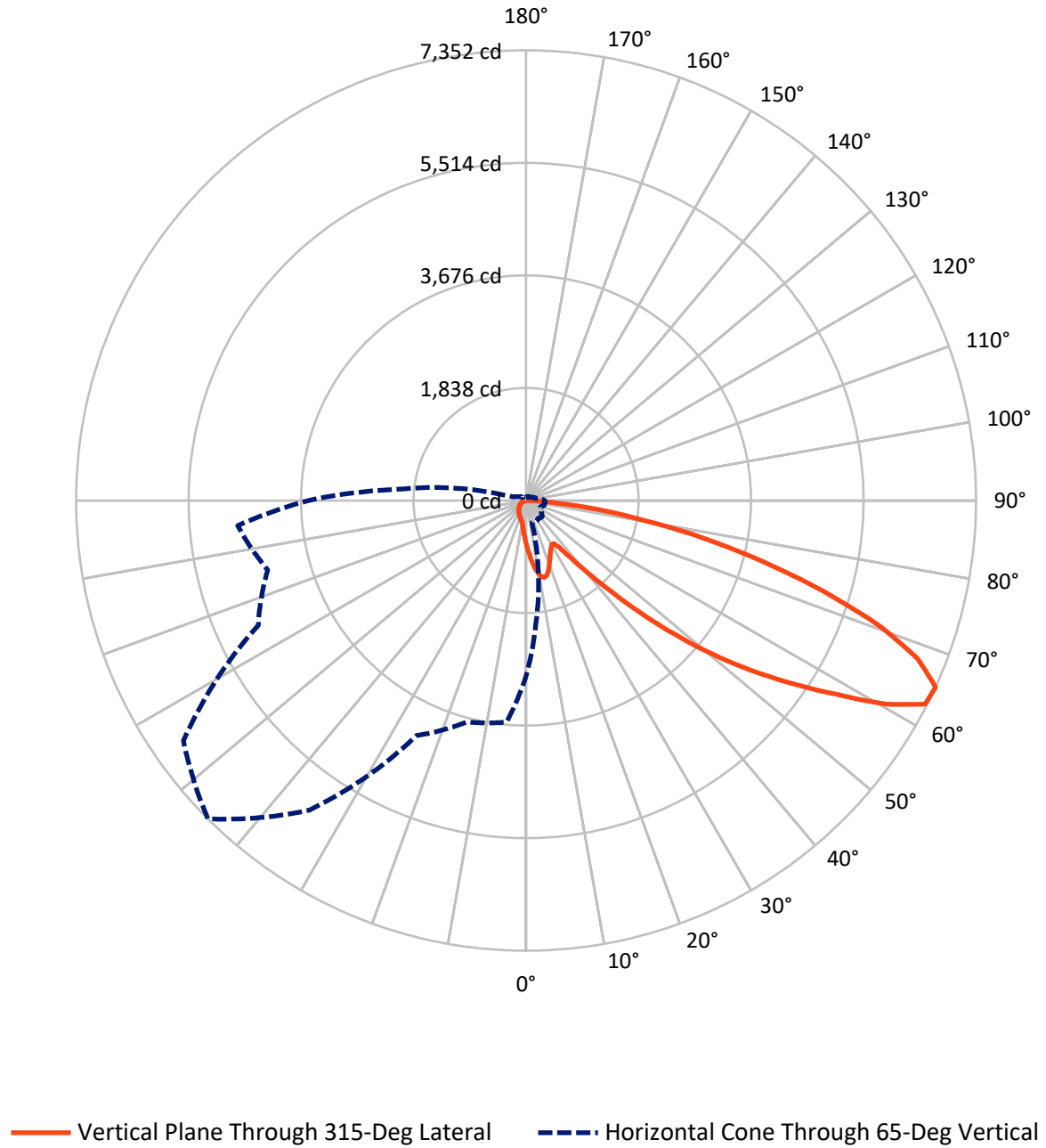
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	732.5	0.0	732.5
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	4498.4	0.0	4498.4
	% Fixture	86.0	0.0	86.0
<b>Total</b>	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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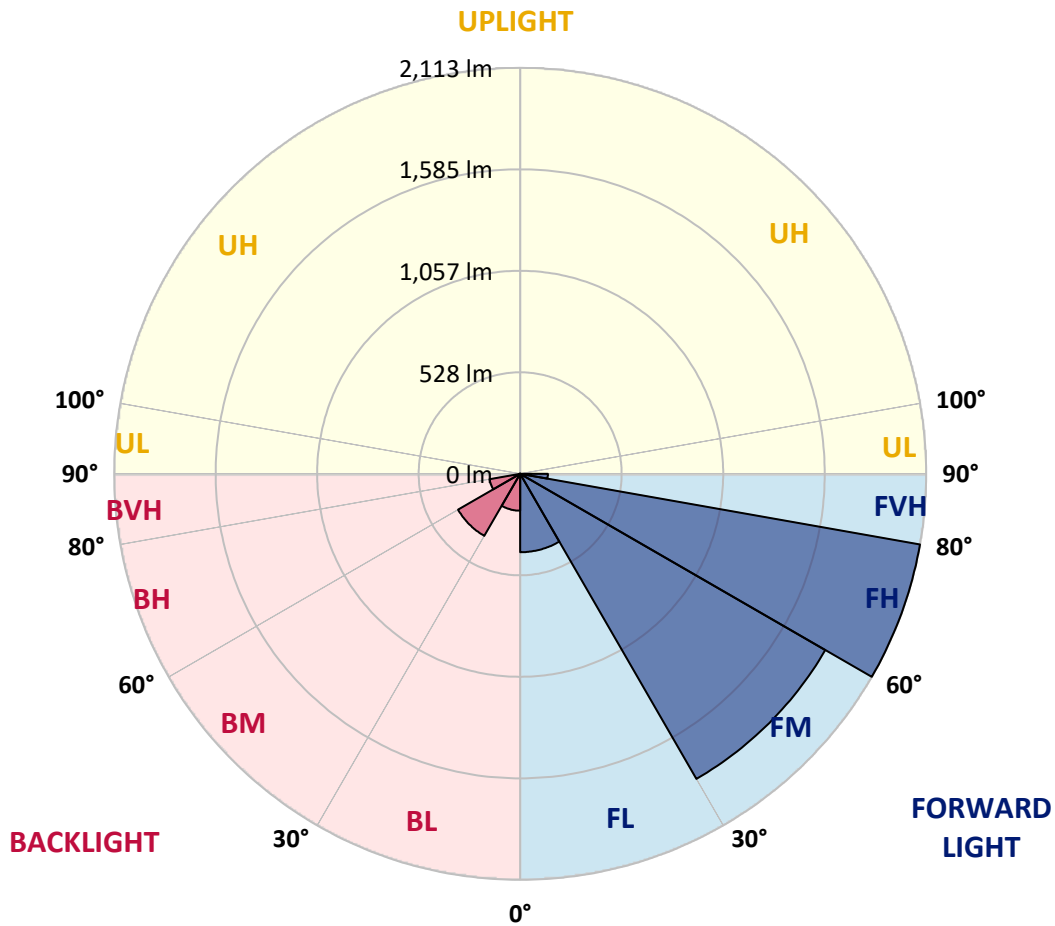
CATALOG NUMBER: GALN-SB2B-927-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.0	7.8			
FM (30°-60°)	1833.4	35.0			
FH (60°-80°)	2113.1	40.4			G2/5000
FVH (80°-90°)	143.9	2.8			G2/225
BL (0°-30°)	192.0	3.7	B1/500		
BM (30°-60°)	373.0	7.1	B1/1000		
BH (60°-80°)	161.7	3.1	B1/500		G1/500
BVH (80°-90°)	5.7	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°	818.4	804.3	796.0	775.5	755.0	738.4	716.0	701.3	683.6	666.7
5°	912.1	889.4	862.0	824.5	790.3	755.3	721.4	687.9	652.6	620.2
7.5°	991.4	958.6	910.3	860.5	816.9	774.8	735.1	690.8	647.9	597.1
10°	1051.9	1010.1	946.7	881.4	831.4	788.8	750.3	712.8	669.6	608.3
12.5°	1088.7	1044.0	968.7	892.3	835.0	787.4	757.5	740.9	724.0	663.1
15°	1115.7	1067.4	984.1	899.8	826.7	768.3	746.3	762.9	782.3	743.4
17.5°	1143.8	1093.0	1004.3	903.1	804.3	731.2	721.8	764.7	809.7	807.9
20°	1170.5	1120.0	1022.0	900.9	768.3	686.1	694.4	749.2	801.4	823.4
22.5°	1201.1	1147.8	1038.9	892.6	721.4	644.0	669.9	724.7	770.5	796.4
25°	1238.6	1182.7	1062.7	880.4	671.0	609.0	645.0	696.2	733.3	751.4
27.5°	1278.9	1224.5	1094.4	873.9	630.3	584.1	616.9	662.3	695.5	708.1
30°	1329.0	1273.2	1131.9	866.7	603.6	569.7	587.7	623.1	655.5	668.1
32.5°	1383.8	1327.2	1167.9	849.4	587.4	558.9	559.3	581.6	611.2	626.3
35°	1452.3	1392.1	1206.5	811.5	574.4	546.3	531.5	542.3	566.8	584.9
37.5°	1549.9	1477.1	1253.7	757.5	555.3	526.8	502.3	504.9	523.6	543.4
40°	1684.7	1591.4	1309.2	701.3	527.9	499.5	470.3	469.2	482.9	502.3
42.5°	1867.0	1742.3	1375.9	647.6	501.6	466.3	436.4	434.6	445.4	462.3
45°	2107.8	1935.5	1457.7	601.4	481.1	433.9	404.3	403.6	412.6	427.4
47.5°	2415.9	2204.0	1539.5	570.1	470.3	408.3	378.0	379.5	387.4	400.7
50°	2814.8	2553.9	1564.3	554.2	470.3	394.6	354.6	361.8	368.3	378.4
52.5°	3293.0	2889.7	1482.2	539.8	473.2	396.4	334.8	350.3	355.0	363.6
55°	3736.2	3054.4	1274.2	520.0	473.9	407.6	317.8	340.9	349.6	352.8
57.5°	3993.5	2997.8	1030.3	486.5	471.0	415.1	307.0	329.4	345.9	348.1
60°	3944.5	2799.3	758.6	460.9	449.7	412.3	303.8	311.7	338.0	341.3
62.5°	3566.9	2466.3	526.5	441.1	402.9	399.6	302.7	284.0	320.7	328.6
65°	2867.0	1941.6	371.9	379.8	353.2	372.3	296.9	255.1	299.8	310.6
67.5°	2080.0	1313.9	268.5	307.7	320.0	327.9	284.0	234.2	276.0	290.5
70°	1334.8	709.6	188.5	203.2	269.6	278.6	261.6	215.5	251.9	268.5
72.5°	948.8	419.1	135.5	142.3	216.6	232.1	230.3	194.6	223.8	244.0
75°	654.8	231.0	91.5	101.6	157.1	188.5	177.7	167.2	189.6	210.1
77.5°	410.5	103.4	54.8	70.6	103.1	148.1	121.8	129.4	147.7	166.8
80°	228.5	40.0	30.6	46.8	56.2	107.7	67.4	83.2	108.8	122.5
82.5°	49.7	5.0	13.7	20.2	22.0	62.7	35.7	48.3	68.5	67.4
85°	0.0	0.0	2.5	2.9	1.4	27.0	13.0	15.9	22.3	20.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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
651.5	2.5°	648.7	631.0	618.0	611.5	606.1	611.2	614.1	614.1	626.3	633.5
600.4	5°	587.7	556.0	531.9	515.7	505.9	509.2	512.8	516.8	532.3	542.7
570.1	7.5°	545.6	496.9	460.2	437.5	425.6	427.4	429.9	433.2	448.3	458.7
574.4	10°	537.7	467.7	415.9	385.9	371.5	369.0	367.6	366.5	375.5	383.4
623.4	12.5°	570.1	469.2	396.8	360.4	342.7	335.1	326.5	319.6	321.1	326.1
697.7	15°	628.1	487.6	390.6	347.0	325.0	312.4	302.3	294.1	292.3	294.1
762.5	17.5°	694.4	512.4	389.9	335.5	308.1	295.1	286.8	279.3	276.8	277.1
798.9	20°	738.4	532.3	387.7	322.5	291.9	280.4	273.2	265.6	263.1	263.8
788.8	22.5°	742.7	542.7	384.5	308.1	275.7	265.9	258.7	251.9	251.5	251.5
751.0	25°	719.3	542.7	377.7	295.1	260.2	251.5	245.0	236.8	238.2	238.9
708.1	27.5°	682.9	529.7	364.7	284.7	246.8	237.8	231.4	223.8	225.6	226.7
668.1	30°	646.8	513.2	349.2	272.8	234.2	223.8	219.1	212.6	213.3	214.8
628.5	32.5°	613.3	495.5	330.8	263.1	221.6	211.2	207.6	200.4	201.4	202.9
589.6	35°	580.2	476.0	309.2	251.5	210.1	199.6	196.8	188.5	189.2	191.4
550.6	37.5°	544.5	455.5	291.5	240.0	198.9	188.1	185.2	176.6	177.3	179.8
510.3	40°	507.0	435.3	274.2	227.7	187.0	176.2	173.7	164.3	165.0	167.9
470.6	42.5°	469.2	413.3	260.9	211.9	174.8	163.2	160.7	152.1	153.2	156.4
436.0	45°	434.2	387.0	252.3	194.2	163.2	150.3	147.7	139.8	142.0	145.6
406.8	47.5°	404.3	360.0	248.6	179.5	151.0	136.9	134.8	128.3	131.9	135.9
382.0	50°	378.7	334.1	244.0	164.3	139.5	125.4	123.2	118.9	123.6	127.6
365.0	52.5°	360.4	304.5	233.9	150.6	129.4	115.7	115.0	112.8	117.1	120.7
352.4	55°	344.5	273.9	217.7	138.7	120.4	107.4	108.1	107.0	110.6	113.5
344.9	57.5°	330.1	247.2	197.1	129.4	110.6	100.2	102.3	100.9	102.7	104.5
336.9	60°	312.8	220.2	172.6	118.9	99.1	93.0	95.5	91.5	91.2	91.9
322.5	62.5°	287.2	183.8	147.0	105.9	89.0	85.0	86.1	78.6	72.8	72.8
301.3	65°	251.5	147.7	123.2	91.5	77.5	74.2	73.5	62.7	54.8	54.1
278.2	67.5°	210.1	121.4	102.3	77.1	64.5	62.3	63.1	55.1	47.2	46.5
255.1	70°	171.2	100.5	82.5	61.6	49.7	51.9	55.1	47.2	39.6	38.6
228.1	72.5°	139.1	80.0	64.5	47.2	36.8	42.9	46.8	38.6	31.4	30.6
194.6	75°	107.4	58.7	46.1	32.1	26.7	33.2	36.8	28.1	22.3	21.3
150.6	77.5°	71.7	36.4	25.9	20.2	15.9	22.7	24.5	14.8	13.0	12.6
109.5	80°	43.6	16.9	11.2	9.7	5.4	8.3	9.7	6.1	6.8	7.2
58.4	82.5°	22.0	4.7	1.8	0.4	0.0	0.0	2.9	1.4	2.9	3.6
15.9	85°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8
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°
724.3	0°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
636.4	2.5°	656.6	671.7	686.1	709.2	733.0	756.4	780.2	803.2	811.5	817.7
549.6	5°	580.9	609.4	642.5	688.3	737.3	787.7	838.9	885.8	907.0	921.4
467.7	7.5°	502.7	539.8	587.4	656.2	733.0	813.3	893.7	967.6	1001.8	1029.6
390.6	10°	425.2	465.6	525.8	604.3	708.1	823.4	934.4	1036.0	1080.4	1115.3
335.1	12.5°	357.1	395.0	458.0	544.9	669.2	815.5	957.8	1080.0	1132.3	1171.5
295.5	15°	309.2	335.9	391.7	485.4	623.1	789.9	959.3	1100.9	1158.2	1199.3
278.9	17.5°	282.5	291.5	327.9	424.9	571.9	756.4	945.9	1108.1	1169.4	1207.6
264.1	20°	268.1	269.6	279.6	346.3	506.3	725.0	933.3	1115.3	1179.8	1211.9
253.7	22.5°	256.6	256.6	259.1	283.2	421.6	687.6	929.4	1127.9	1194.2	1214.1
241.8	25°	246.1	246.1	246.8	253.3	334.1	630.3	926.8	1147.4	1214.1	1219.5
229.9	27.5°	235.3	235.7	235.7	239.3	269.2	552.4	916.0	1172.6	1237.8	1226.7
218.4	30°	224.5	225.2	225.2	227.7	238.2	461.3	894.8	1202.9	1268.8	1236.0
206.8	32.5°	213.7	214.4	214.4	216.6	224.1	368.3	868.1	1230.6	1300.2	1240.0
195.7	35°	202.5	203.6	202.9	205.8	213.7	293.0	834.2	1258.4	1334.1	1252.6
184.9	37.5°	191.4	192.1	191.7	194.6	203.6	253.0	795.0	1279.3	1380.2	1280.7
173.3	40°	180.2	179.8	179.8	183.1	192.8	241.4	745.6	1312.4	1446.5	1330.1
161.8	42.5°	168.6	168.6	167.9	171.5	183.4	232.8	698.4	1371.9	1543.1	1408.7
151.0	45°	158.2	157.8	156.4	159.6	174.4	217.7	681.8	1482.9	1685.8	1535.9
140.2	47.5°	148.1	147.7	144.1	147.0	163.6	204.0	743.8	1664.5	1883.6	1722.9
131.5	50°	139.1	139.5	132.6	135.1	152.8	193.5	878.2	1900.2	2146.3	1974.8
124.3	52.5°	130.8	130.8	121.8	123.2	139.5	184.1	1006.1	2155.7	2493.0	2326.1
116.8	55°	122.5	121.8	111.7	112.4	126.1	170.8	1025.2	2405.1	2965.8	2854.8
108.5	57.5°	113.2	111.7	102.3	102.3	113.9	161.1	888.7	2596.8	3552.4	3631.7
93.0	60°	101.6	100.5	94.4	92.6	104.1	169.7	627.0	2619.1	3930.8	4664.9
73.9	62.5°	86.8	88.3	85.0	82.5	94.8	176.2	371.5	2439.3	3839.3	4993.5
57.3	65°	68.5	74.2	73.5	71.7	104.1	148.5	219.5	2094.1	3558.6	4728.3
50.1	67.5°	58.4	62.3	61.3	61.3	109.2	112.8	138.0	1636.0	3172.3	4413.7
41.8	70°	49.7	53.7	49.7	49.7	82.5	68.5	95.5	1142.3	2755.3	4065.6
33.5	72.5°	41.1	45.0	40.7	37.8	65.9	51.2	69.9	713.9	2359.6	3703.1
23.8	75°	31.4	36.0	32.8	29.2	43.6	38.2	53.0	414.8	1955.0	3168.3
14.4	77.5°	19.8	25.9	24.5	20.5	32.1	27.7	38.2	246.8	1508.5	2475.7
8.6	80°	12.3	13.3	13.7	13.0	18.4	18.7	25.9	140.5	1032.4	1725.4
5.4	82.5°	7.9	7.9	6.1	6.8	9.0	10.8	14.8	53.0	606.8	1050.5
3.2	85°	5.8	5.0	3.2	3.2	4.3	5.4	5.8	16.2	246.1	414.8
1.4	87.5°	2.9	2.5	1.1	1.4	2.2	1.8	1.4	0.7	62.0	132.6
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):**

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
831.4	2.5°	838.6	849.7	850.5	850.5	840.7	840.4	820.5	818.4
953.9	5°	987.4	994.6	996.4	992.8	973.3	958.9	920.4	912.1
1078.9	7.5°	1123.6	1138.0	1138.0	1129.4	1097.7	1068.1	1012.3	991.4
1182.3	10°	1232.4	1249.0	1245.4	1227.8	1187.8	1147.0	1079.3	1051.9
1245.0	12.5°	1285.4	1302.3	1293.0	1272.8	1233.9	1191.0	1119.6	1088.7
1263.1	15°	1284.3	1279.6	1269.9	1267.4	1248.7	1216.2	1149.6	1115.7
1251.9	17.5°	1238.6	1198.9	1191.4	1216.6	1240.4	1232.4	1175.5	1143.8
1225.2	20°	1166.1	1096.9	1090.1	1138.4	1206.1	1240.7	1199.6	1170.5
1186.7	22.5°	1089.7	1015.1	999.3	1052.6	1154.6	1243.2	1230.3	1201.1
1144.1	25°	1017.3	942.3	926.5	976.2	1097.3	1238.9	1263.4	1238.6
1103.4	27.5°	956.8	884.3	869.6	919.3	1042.2	1226.7	1296.6	1278.9
1063.1	30°	909.9	842.9	832.1	880.0	994.6	1211.5	1338.7	1329.0
1025.6	32.5°	882.5	833.5	837.5	876.8	969.0	1195.0	1379.1	1383.8
1007.2	35°	909.6	911.7	946.3	962.5	992.8	1192.4	1433.9	1452.3
1029.2	37.5°	1044.0	1118.9	1190.6	1177.3	1109.2	1221.6	1515.7	1549.9
1125.0	40°	1272.8	1426.7	1543.1	1492.3	1320.7	1311.0	1633.5	1684.7
1295.1	42.5°	1552.4	1813.3	2005.1	1868.8	1593.5	1467.4	1801.8	1867.0
1500.9	45°	1847.6	2290.1	2592.1	2308.8	1884.3	1686.5	2056.6	2107.8
1693.7	47.5°	2158.6	2869.6	3260.2	2796.8	2153.9	1935.9	2404.0	2415.9
1876.4	50°	2498.7	3504.9	3941.3	3284.3	2414.1	2221.6	2828.5	2814.8
2089.4	52.5°	2822.7	4158.2	4607.9	3774.1	2642.5	2576.2	3321.1	3293.0
2380.5	55°	3131.9	4811.2	5278.6	4244.7	2858.0	3044.7	3906.3	3736.2
2800.4	57.5°	3490.5	5398.2	5969.7	4717.5	3159.3	3653.0	4560.7	3993.5
3604.3	60°	4020.6	6065.2	6751.4	5365.4	3732.3	4292.3	4795.3	3944.5
4567.2	62.5°	4697.3	6678.6	7319.7	6000.4	4307.8	4412.6	4449.7	3566.9
4370.8	65°	4828.8	6833.9	7351.7	6170.1	4233.5	3743.1	3632.8	2867.0
3904.2	67.5°	4480.0	6553.2	6903.4	5854.1	3744.9	2892.6	2726.1	2080.0
3597.8	70°	4088.7	6018.0	6122.2	5316.8	3293.7	2127.6	1841.1	1334.8
3388.1	72.5°	3687.6	5304.2	5088.7	4617.3	2894.8	1549.2	1327.9	948.8
3089.4	75°	3211.2	4365.4	4008.3	3836.4	2396.8	1215.9	960.7	654.8
2657.3	77.5°	2571.5	3072.8	2977.3	2973.7	1801.1	888.3	641.1	410.5
2076.0	80°	1814.1	1994.2	1945.6	2239.6	1208.3	644.3	385.9	228.5
1445.0	82.5°	878.2	1102.7	1131.9	1333.7	587.7	379.1	89.0	49.7
565.0	85°	343.8	531.9	448.6	506.3	165.0	105.6	2.2	0.0
93.0	87.5°	38.6	61.6	56.6	44.7	20.2	4.3	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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