

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: P948304

Luminaire Tested: **GALN-SB3B-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948304  
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-SB3B-927-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

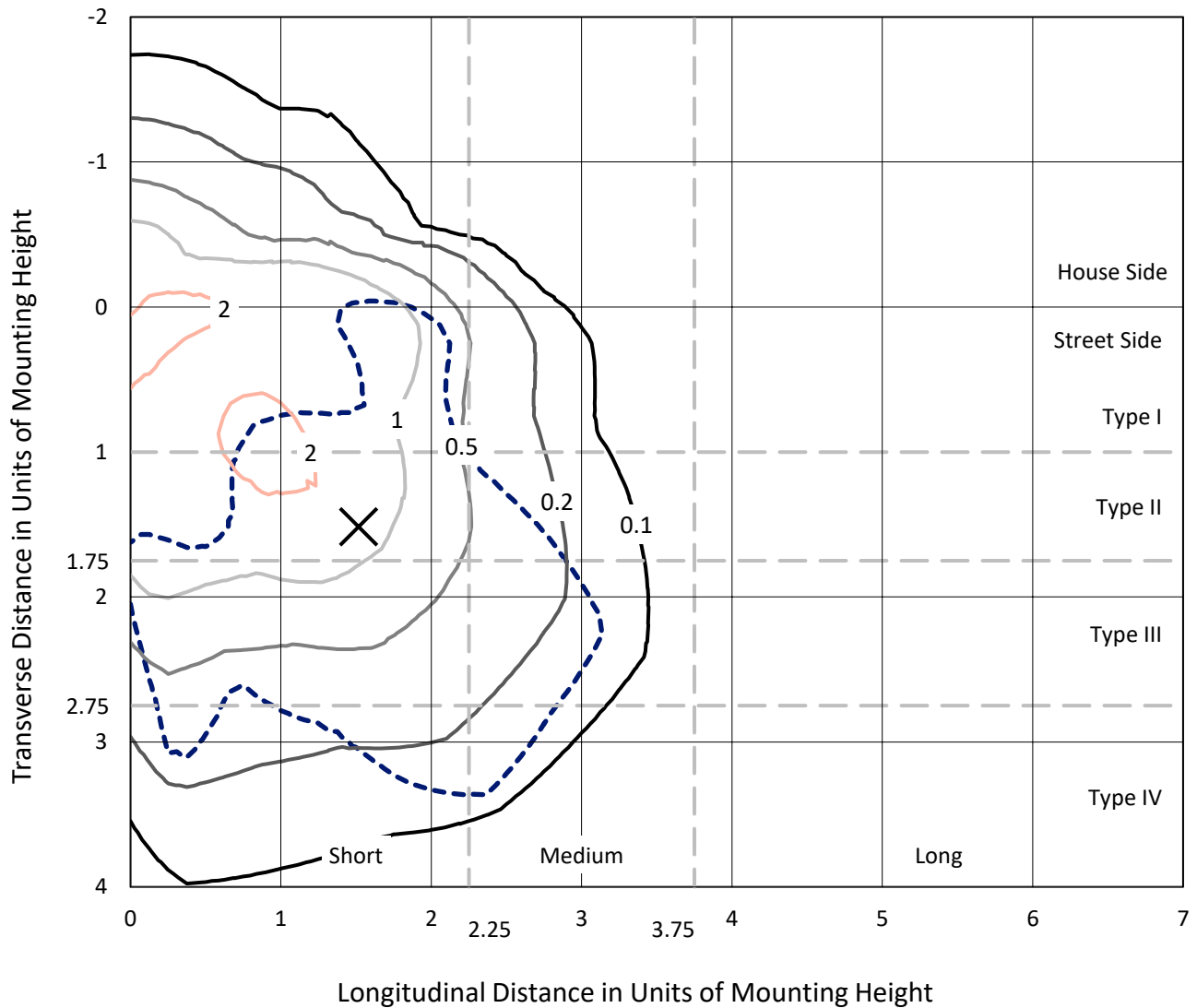
Lumens per Lamp: N/A  
Luminaire Lumens: 7849 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

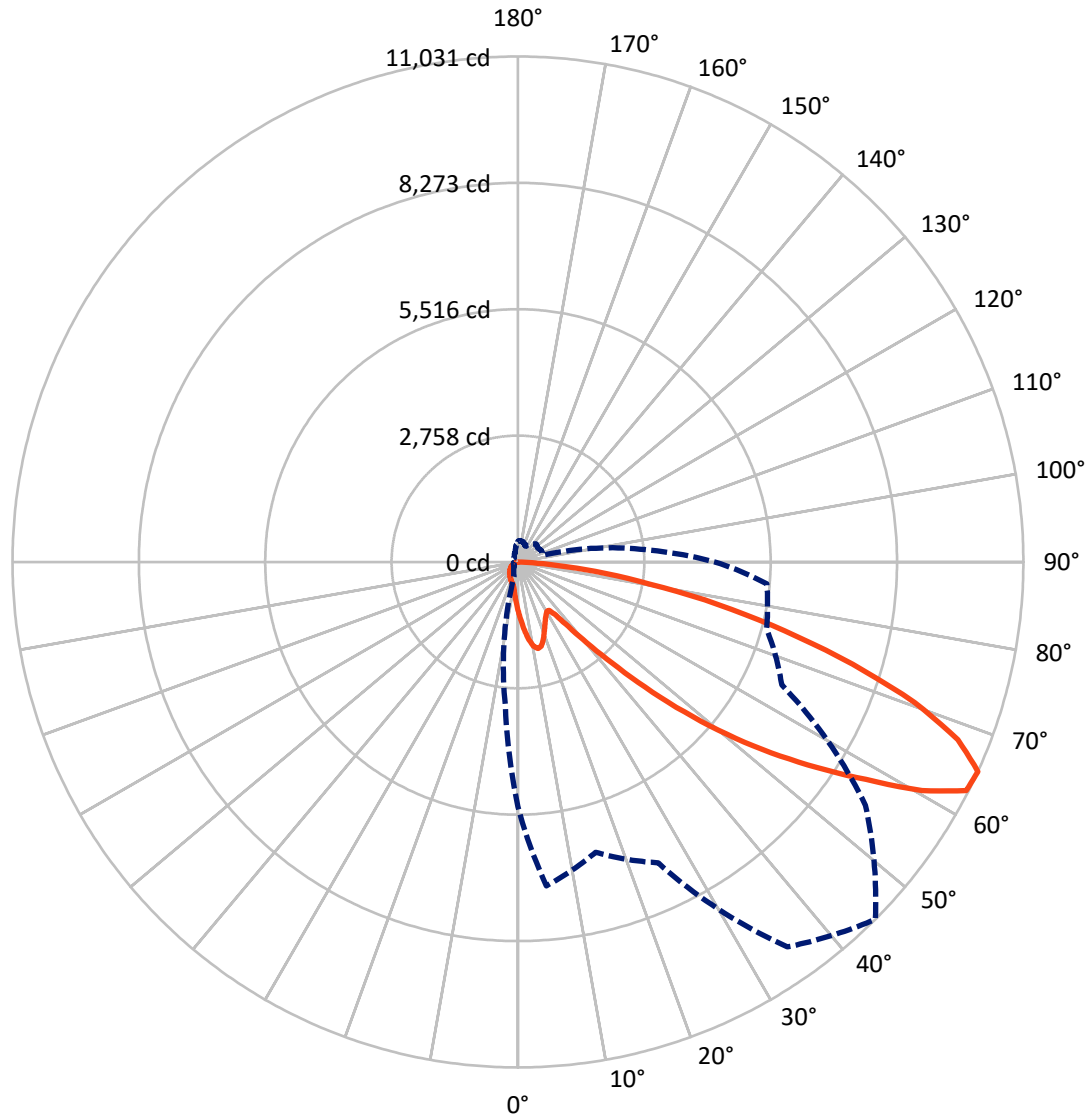
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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
<b>House Side</b>	Lumens	1560.1	0.0	1560.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	6288.9	0.0	6288.9
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	7849.0	0.0	7849.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	1.4
10°-20°	320.8	4.1
20°-30°	472.5	6.0
30°-40°	607.1	7.7
40°-50°	981.9	12.5
50°-60°	1721.8	21.9
60°-70°	2154.4	27.4
70°-80°	1258.9	16.0
80°-90°	224.6	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°	7849.0	100.0
0°-180°	7849.0	100.0

**Coefficient of Utilization**



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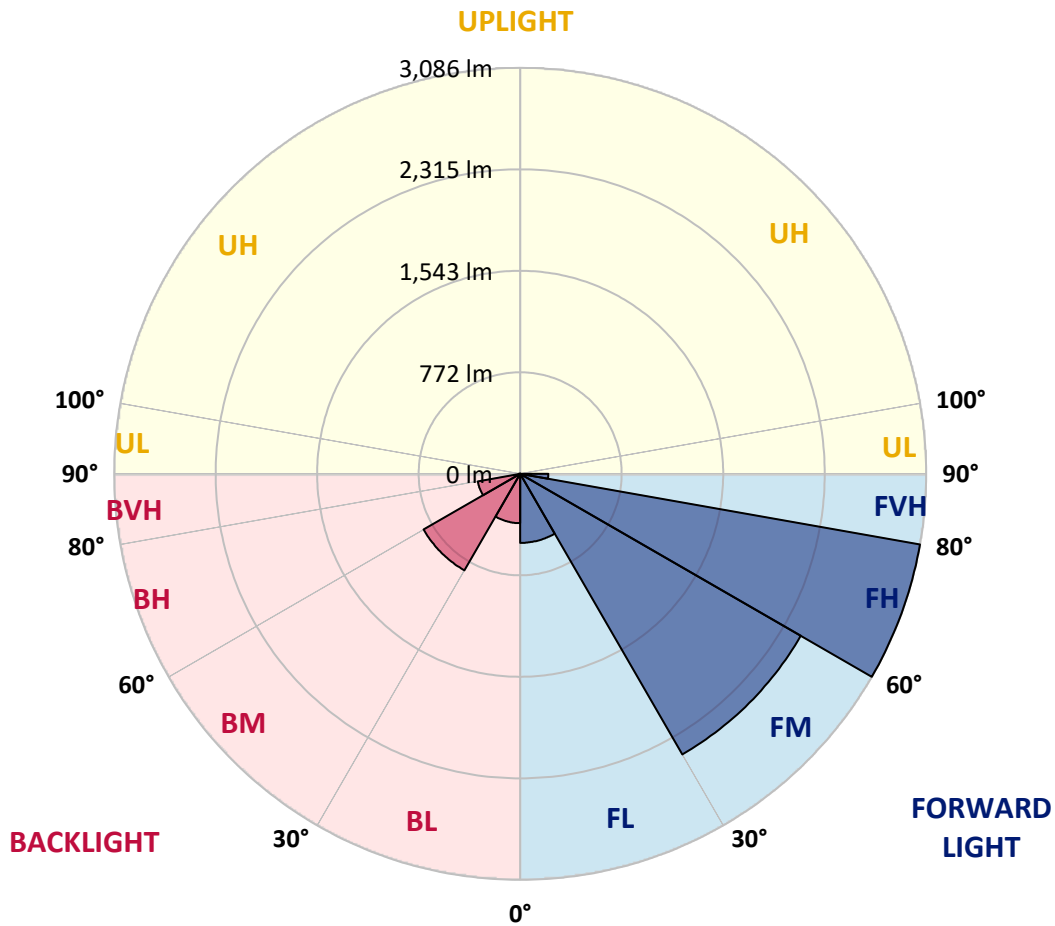
CATALOG NUMBER: GALN-SB3B-927-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.2	6.7			
FM (30°-60°)	2463.1	31.4			
FH (60°-80°)	3086.5	39.3			G2/5000
FVH (80°-90°)	214.1	2.7			G2/225
BL (0°-30°)	375.1	4.8	B1/500		
BM (30°-60°)	847.6	10.8	B1/1000		
BH (60°-80°)	326.9	4.2	B1/500		G1/500
BVH (80°-90°)	10.5	0.1			G1/100
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°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1217.7	1226.9	1247.4	1258.2	1275.0	1276.1	1276.1	1261.5	1260.9	1231.2
5°	1361.0	1382.6	1431.3	1481.6	1492.4	1495.1	1489.7	1460.5	1438.8	1381.0
7.5°	1503.2	1544.8	1618.9	1685.9	1707.6	1707.6	1694.6	1647.0	1602.7	1518.9
10°	1621.1	1673.5	1774.1	1849.2	1874.1	1868.7	1842.2	1782.2	1721.1	1619.4
12.5°	1698.9	1757.9	1868.2	1928.7	1954.1	1940.1	1909.8	1851.4	1787.1	1680.0
15°	1737.9	1799.5	1895.2	1927.1	1920.1	1905.5	1901.7	1873.6	1824.9	1724.9
17.5°	1754.6	1811.9	1878.4	1858.4	1799.0	1787.6	1825.5	1861.1	1849.2	1763.8
20°	1770.3	1818.4	1838.4	1749.8	1645.9	1635.7	1708.1	1809.8	1861.7	1800.0
22.5°	1791.9	1821.7	1780.6	1635.1	1523.2	1499.4	1579.4	1732.4	1865.5	1846.0
25°	1821.7	1829.8	1716.8	1526.4	1414.0	1390.2	1464.8	1646.5	1859.0	1895.7
27.5°	1857.4	1840.6	1655.7	1435.6	1326.9	1304.7	1379.4	1563.7	1840.6	1945.5
30°	1903.9	1854.6	1595.1	1365.3	1264.7	1248.5	1320.4	1492.4	1817.9	2008.8
32.5°	1950.9	1860.6	1538.9	1324.2	1250.7	1256.6	1315.6	1454.0	1793.0	2069.3
35°	2001.7	1879.5	1511.3	1364.8	1368.0	1419.9	1444.2	1489.7	1789.2	2151.5
37.5°	2070.9	1921.7	1544.3	1566.4	1678.9	1786.5	1766.5	1664.3	1833.0	2274.2
40°	2170.4	1995.8	1688.1	1909.8	2140.7	2315.3	2239.1	1981.7	1967.1	2451.1
42.5°	2315.3	2113.7	1943.3	2329.4	2720.9	3008.5	2804.1	2391.0	2201.8	2703.6
45°	2529.5	2304.5	2252.1	2772.2	3436.2	3889.4	3464.4	2827.4	2530.5	3085.9
47.5°	2826.3	2585.2	2541.4	3238.9	4305.7	4891.8	4196.5	3231.8	2904.7	3607.1
50°	3220.5	2963.1	2815.5	3749.3	5259.0	5913.8	4928.1	3622.2	3333.5	4244.1
52.5°	3740.7	3490.3	3135.1	4235.4	6239.3	6914.1	5662.9	3965.1	3865.6	4983.2
55°	4450.1	4283.5	3572.0	4699.3	7219.1	7920.4	6369.1	4288.4	4568.5	5861.3
57.5°	5330.4	5449.3	4201.9	5237.4	8099.9	8957.5	7078.5	4740.4	5481.2	6843.3
60°	5898.1	6999.5	5408.2	6032.7	9100.8	10130.3	8050.7	5600.2	6440.4	7195.3
62.5°	5760.8	7492.7	6853.0	7048.2	10021.1	10983.0	9003.4	6463.7	6621.0	6676.7
65°	5339.6	7094.7	6558.3	7245.6	10254.1	11031.1	9258.1	6352.3	5616.4	5450.9
67.5°	4759.9	6622.7	5858.1	6722.2	9832.9	10358.5	8783.9	5619.1	4340.3	4090.5
70°	4134.3	6100.3	5398.5	6134.9	9029.9	9186.2	7977.7	4942.1	3192.4	2762.5
72.5°	3540.6	5556.4	5083.8	5533.1	7958.8	7635.4	6928.2	4343.6	2324.5	1992.5
75°	2933.4	4754.0	4635.5	4818.3	6550.2	6014.4	5756.4	3596.3	1824.4	1441.5
77.5°	2263.4	3714.7	3987.2	3858.5	4610.7	4467.4	4462.0	2702.5	1332.9	961.9
80°	1549.1	2588.9	3115.1	2722.0	2992.3	2919.3	3360.5	1813.0	966.8	579.1
82.5°	910.6	1576.2	2168.3	1317.7	1654.6	1698.4	2001.2	881.9	568.8	133.6
85°	369.3	622.4	847.8	515.8	798.1	673.2	759.7	247.6	158.4	3.2
87.5°	93.0	199.0	139.5	57.9	92.5	84.9	67.0	30.3	6.5	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°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
1228.0	2.5°	1206.9	1194.4	1163.6	1132.8	1107.9	1074.4	1052.2	1025.7	1000.3	977.6
1368.5	5°	1334.5	1293.4	1237.2	1185.8	1133.3	1082.5	1032.2	979.2	930.6	900.8
1487.5	7.5°	1438.3	1365.8	1291.2	1225.8	1162.5	1103.1	1036.5	972.2	896.0	855.4
1578.3	10°	1515.6	1420.5	1322.6	1247.4	1183.6	1125.8	1069.5	1004.6	912.7	861.9
1633.5	12.5°	1566.4	1453.4	1338.8	1252.8	1181.5	1136.6	1111.7	1086.3	994.9	935.4
1674.1	15°	1601.6	1476.7	1350.2	1240.4	1152.8	1119.8	1144.7	1173.9	1115.5	1046.8
1716.2	17.5°	1640.0	1507.0	1355.0	1206.9	1097.1	1083.1	1147.4	1215.0	1212.3	1144.2
1756.2	20°	1680.5	1533.5	1351.8	1152.8	1029.5	1042.0	1124.1	1202.5	1235.5	1198.8
1802.2	22.5°	1722.2	1558.9	1339.3	1082.5	966.3	1005.2	1087.4	1156.0	1195.0	1183.6
1858.4	25°	1774.6	1594.6	1321.0	1006.8	913.8	967.9	1044.7	1100.4	1127.4	1126.8
1919.0	27.5°	1837.3	1642.1	1311.2	945.7	876.5	925.7	993.8	1043.6	1062.5	1062.5
1994.2	30°	1910.3	1698.4	1300.4	905.7	854.9	881.9	934.9	983.6	1002.5	1002.5
2076.3	32.5°	1991.5	1752.5	1274.5	881.4	838.6	839.2	872.7	917.1	939.8	943.0
2179.1	35°	2088.8	1810.3	1217.7	861.9	819.7	797.6	813.8	850.5	877.6	884.6
2325.6	37.5°	2216.4	1881.1	1136.6	833.2	790.5	753.8	757.5	785.7	815.4	826.2
2527.8	40°	2387.8	1964.4	1052.2	792.1	749.4	705.6	704.0	724.6	753.8	765.7
2801.4	42.5°	2614.4	2064.4	971.7	752.7	699.7	654.8	652.1	668.3	693.7	706.2
3162.6	45°	2904.2	2187.2	902.5	721.9	651.0	606.7	605.6	619.1	641.3	654.3
3624.9	47.5°	3307.0	2309.9	855.4	705.6	612.6	567.2	569.4	581.3	601.3	610.5
4223.5	50°	3832.0	2347.2	831.6	705.6	592.1	532.1	542.9	552.6	567.7	573.2
4941.0	52.5°	4336.0	2224.0	810.0	710.0	594.8	502.3	525.6	532.6	545.6	547.7
5606.1	55°	4583.1	1912.0	780.3	711.0	611.5	476.9	511.5	524.5	529.4	528.8
5992.2	57.5°	4498.2	1545.9	730.0	706.7	622.9	460.7	494.2	519.1	522.3	517.5
5918.7	60°	4200.3	1138.2	691.6	674.8	618.6	455.8	467.7	507.2	512.1	505.6
5352.0	62.5°	3700.6	790.0	661.8	604.5	599.7	454.2	426.1	481.2	493.1	483.9
4301.9	65°	2913.4	558.0	569.9	529.9	558.6	445.5	382.8	449.9	466.1	452.0
3121.0	67.5°	1971.4	402.8	461.8	480.2	492.0	426.1	351.5	414.2	435.8	417.4
2002.8	70°	1064.7	282.8	305.0	404.5	418.0	392.6	323.3	378.0	402.8	382.8
1423.7	72.5°	628.9	203.3	213.6	325.0	348.2	345.5	292.0	335.8	366.1	342.3
982.5	75°	346.6	137.3	152.5	235.8	282.8	266.6	250.9	284.4	315.2	292.0
615.9	77.5°	155.2	82.2	106.0	154.6	222.2	182.8	194.1	221.7	250.4	226.0
342.8	80°	60.0	46.0	70.3	84.4	161.7	101.1	124.9	163.3	183.8	164.4
74.6	82.5°	7.6	20.5	30.3	33.0	94.1	53.5	72.5	102.7	101.1	87.6
0.0	85°	0.0	3.8	4.3	2.2	40.6	19.5	23.8	33.5	31.4	23.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
973.3	2.5°	946.8	927.3	917.6	909.5	917.1	921.4	921.4	939.8	950.6	954.9
881.9	5°	834.3	798.1	773.8	759.2	764.0	769.4	775.4	798.6	814.3	824.6
818.6	7.5°	745.6	690.5	656.4	638.6	641.3	645.1	649.9	672.6	688.3	701.8
806.7	10°	701.8	624.0	579.1	557.5	553.7	551.5	549.9	563.4	575.3	586.1
855.4	12.5°	704.0	595.3	540.7	514.2	502.9	489.9	479.6	481.8	489.3	502.9
942.5	15°	731.6	586.1	520.7	487.7	468.8	453.7	441.2	438.5	441.2	443.4
1042.0	17.5°	768.9	585.1	503.4	462.3	442.8	430.4	419.1	415.3	415.8	418.5
1107.9	20°	798.6	581.8	483.9	438.0	420.7	409.9	398.5	394.7	395.8	396.3
1114.4	22.5°	814.3	576.9	462.3	413.6	399.0	388.2	378.0	377.4	377.4	380.7
1079.3	25°	814.3	566.7	442.8	390.4	377.4	367.7	355.2	357.4	358.5	362.8
1024.7	27.5°	794.8	547.2	427.2	370.4	356.9	347.1	335.8	338.5	340.1	345.0
970.6	30°	770.0	524.0	409.3	351.5	335.8	328.8	319.0	320.1	322.3	327.7
920.3	32.5°	743.5	496.4	394.7	332.5	316.9	311.5	300.6	302.3	304.4	310.4
870.5	35°	714.3	463.9	377.4	315.2	299.6	295.2	282.8	283.9	287.1	293.6
817.0	37.5°	683.5	437.4	360.1	298.5	282.3	277.9	264.9	266.0	269.8	277.4
760.8	40°	653.2	411.5	341.7	280.6	264.4	260.6	246.6	247.6	252.0	260.1
704.0	42.5°	620.2	391.5	317.9	262.2	244.9	241.2	228.2	229.8	234.7	242.8
651.6	45°	580.7	378.5	291.4	244.9	225.5	221.7	209.8	213.0	218.4	226.6
606.7	47.5°	540.2	373.1	269.3	226.6	205.5	202.2	192.5	197.9	203.8	210.3
568.3	50°	501.2	366.1	246.6	209.3	188.2	184.9	178.4	185.5	191.4	197.4
540.7	52.5°	456.9	350.9	226.0	194.1	173.6	172.5	169.2	175.7	181.1	186.5
516.9	55°	410.9	326.6	208.2	180.6	161.1	162.2	160.6	166.0	170.3	175.2
495.3	57.5°	370.9	295.8	194.1	166.0	150.3	153.6	151.4	154.1	156.8	162.8
469.3	60°	330.4	259.0	178.4	148.7	139.5	143.3	137.3	136.8	137.9	139.5
430.9	62.5°	275.8	220.6	159.0	133.6	127.6	129.2	117.9	109.2	109.2	110.8
377.4	65°	221.7	184.9	137.3	116.3	111.4	110.3	94.1	82.2	81.1	86.0
315.2	67.5°	182.2	153.6	115.7	96.8	93.5	94.6	82.7	70.8	69.8	75.2
256.8	70°	150.9	123.8	92.5	74.6	77.9	82.7	70.8	59.5	57.9	62.7
208.7	72.5°	120.0	96.8	70.8	55.2	64.3	70.3	57.9	47.0	46.0	50.3
161.1	75°	88.1	69.2	48.1	40.0	49.7	55.2	42.2	33.5	31.9	35.7
107.6	77.5°	54.6	38.9	30.3	23.8	34.1	36.8	22.2	19.5	18.9	21.6
65.4	80°	25.4	16.8	14.6	8.1	12.4	14.6	9.2	10.3	10.8	13.0
33.0	82.5°	7.0	2.7	0.5	0.0	0.0	4.3	2.2	4.3	5.4	8.1
2.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.7	4.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
985.2	2.5°	1007.9	1029.5	1064.1	1099.8	1135.0	1170.6	1205.3	1217.7
871.6	5°	914.3	964.1	1032.8	1106.3	1182.0	1258.8	1329.1	1361.0
754.3	7.5°	810.0	881.4	984.6	1099.8	1220.4	1341.0	1451.8	1503.2
638.0	10°	698.6	788.9	906.8	1062.5	1235.5	1402.1	1554.6	1621.1
535.8	12.5°	592.6	687.2	817.6	1004.1	1223.6	1437.2	1620.5	1698.9
463.9	15°	503.9	587.8	728.3	934.9	1185.2	1439.4	1651.9	1737.9
423.9	17.5°	437.4	492.0	637.5	858.1	1135.0	1419.4	1662.7	1754.6
402.3	20°	404.5	419.6	519.6	759.7	1087.9	1400.4	1673.5	1770.3
385.0	22.5°	385.0	388.8	425.0	632.6	1031.7	1394.5	1692.4	1791.9
369.3	25°	369.3	370.4	380.1	501.2	945.7	1390.7	1721.6	1821.7
353.1	27.5°	353.6	353.6	359.0	403.9	828.9	1374.5	1759.5	1857.4
336.9	30°	337.9	337.9	341.7	357.4	692.1	1342.6	1804.9	1903.9
320.6	32.5°	321.7	321.7	325.0	336.3	552.6	1302.6	1846.5	1950.9
303.9	35°	305.5	304.4	308.7	320.6	439.6	1251.8	1888.2	2001.7
287.1	37.5°	288.2	287.7	292.0	305.5	379.6	1192.8	1919.5	2070.9
270.4	40°	269.8	269.8	274.7	289.3	362.3	1118.7	1969.3	2170.4
253.1	42.5°	253.1	252.0	257.4	275.2	349.3	1047.9	2058.5	2315.3
237.4	45°	236.8	234.7	239.5	261.7	326.6	1023.0	2225.0	2529.5
222.2	47.5°	221.7	216.3	220.6	245.5	306.0	1116.0	2497.6	2826.3
208.7	50°	209.3	199.0	202.8	229.3	290.4	1317.7	2851.2	3220.5
196.3	52.5°	196.3	182.8	184.9	209.3	276.3	1509.7	3234.6	3740.7
183.8	55°	182.8	167.6	168.7	189.2	256.3	1538.3	3608.7	4450.1
169.8	57.5°	167.6	153.6	153.6	170.9	241.7	1333.4	3896.4	5330.4
152.5	60°	150.9	141.7	139.0	156.3	254.7	940.8	3929.9	5898.1
130.3	62.5°	132.5	127.6	123.8	142.2	264.4	557.5	3660.1	5760.8
102.7	65°	111.4	110.3	107.6	156.3	222.8	329.3	3142.1	5339.6
87.6	67.5°	93.5	91.9	91.9	163.8	169.2	207.1	2454.8	4759.9
74.6	70°	80.6	74.6	74.6	123.8	102.7	143.3	1714.1	4134.3
61.6	72.5°	67.6	61.1	56.8	99.0	76.8	104.9	1071.2	3540.6
47.0	75°	54.1	49.2	43.8	65.4	57.3	79.5	622.4	2933.4
29.7	77.5°	38.9	36.8	30.8	48.1	41.6	57.3	370.4	2263.4
18.4	80°	20.0	20.5	19.5	27.6	28.1	38.9	210.9	1549.1
11.9	82.5°	11.9	9.2	10.3	13.5	16.2	22.2	79.5	910.6
8.7	85°	7.6	4.9	4.9	6.5	8.1	8.7	24.3	369.3
4.3	87.5°	3.8	1.6	2.2	3.2	2.7	2.2	1.1	93.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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