

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: P948031

Luminaire Tested: **GALN-SB3A-950-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948031  
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-SB3A-950-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

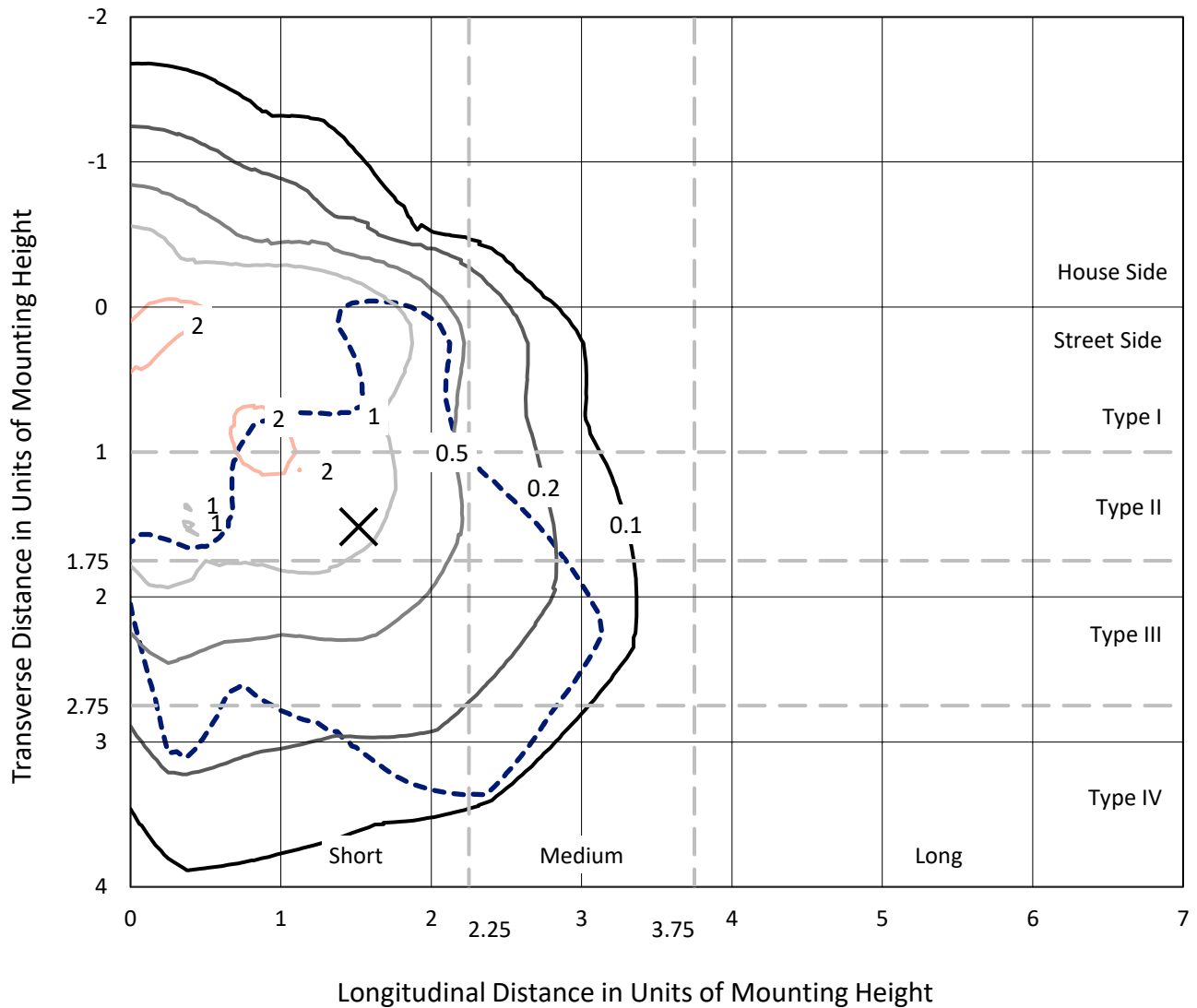
Lumens per Lamp: N/A  
Luminaire Lumens: 7146 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

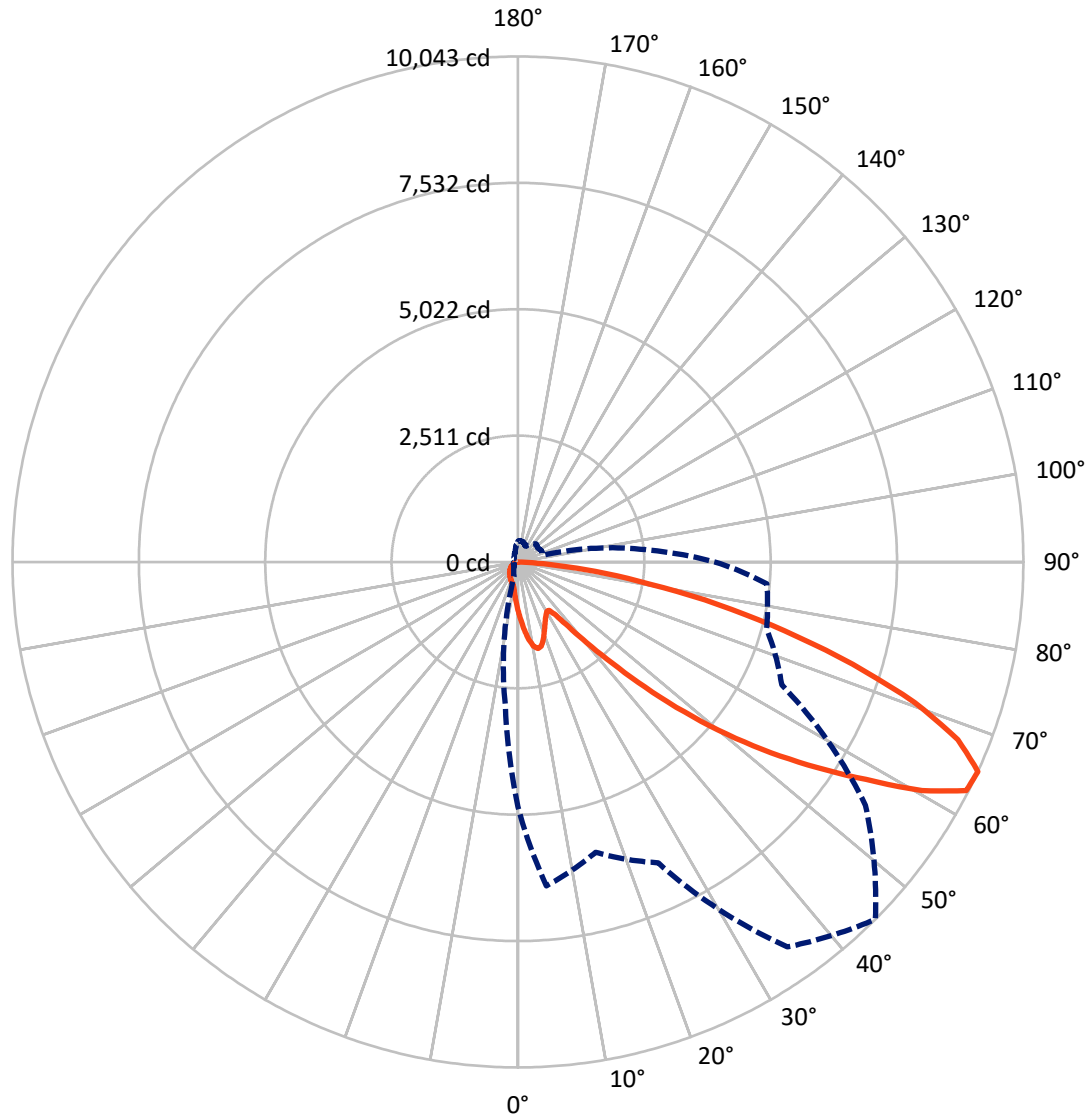
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	1420.4	0.0	1420.4
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	5725.6	0.0	5725.6
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	7146.0	0.0	7146.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.4	1.4
10°-20°	292.0	4.1
20°-30°	430.2	6.0
30°-40°	552.7	7.7
40°-50°	893.9	12.5
50°-60°	1567.6	21.9
60°-70°	1961.4	27.4
70°-80°	1146.2	16.0
80°-90°	204.5	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°	7146.0	100.0
0°-180°	7146.0	100.0

**Coefficient of Utilization**



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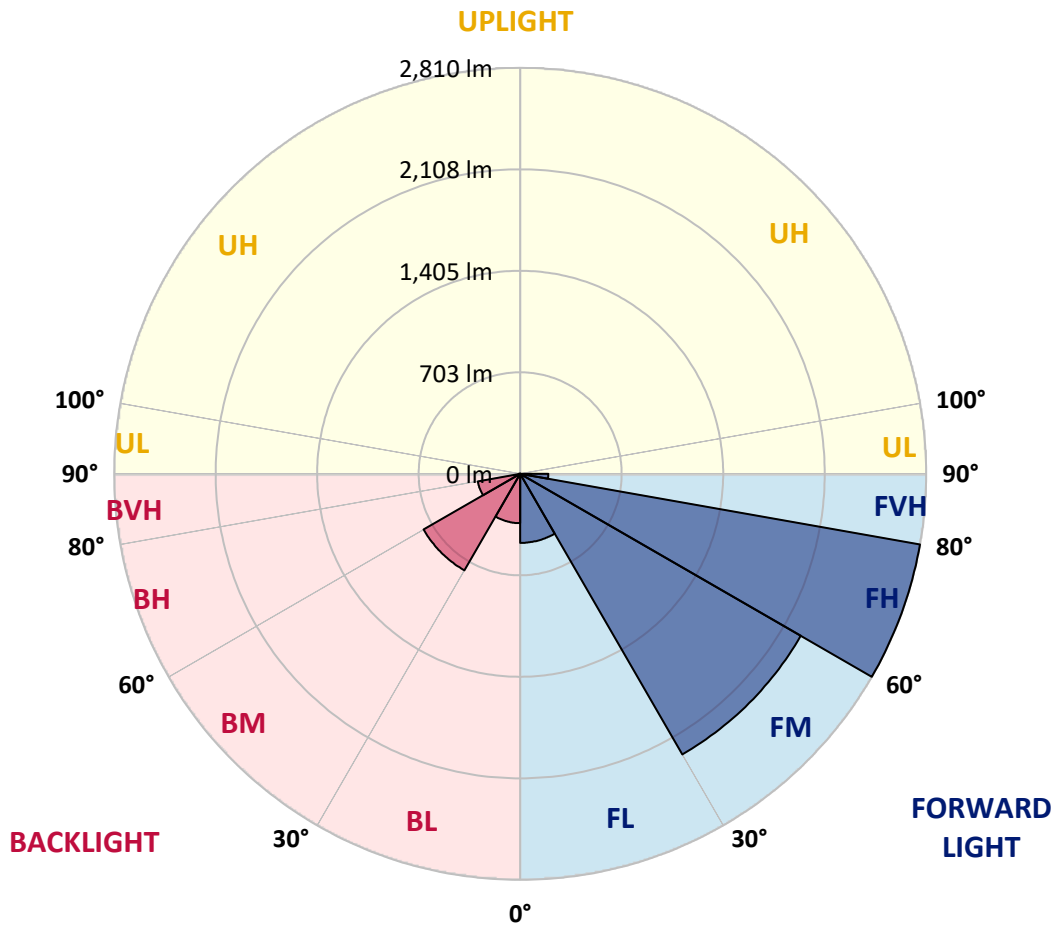
CATALOG NUMBER: GALN-SB3A-950-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.2	6.7			
FM (30°-60°)	2242.5	31.4			
FH (60°-80°)	2810.0	39.3			G2/5000
FVH (80°-90°)	194.9	2.7			G2/225
BL (0°-30°)	341.5	4.8	B1/500		
BM (30°-60°)	771.7	10.8	B1/1000		
BH (60°-80°)	297.6	4.2	B1/500		G1/500
BVH (80°-90°)	9.6	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°	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5
2.5°	1108.6	1117.0	1135.7	1145.5	1160.8	1161.8	1161.8	1148.5	1148.0	1120.9
5°	1239.1	1258.8	1303.1	1348.9	1358.7	1361.2	1356.2	1329.7	1310.0	1257.3
7.5°	1368.6	1406.5	1473.9	1534.9	1554.6	1554.6	1542.8	1499.5	1459.1	1382.8
10°	1475.9	1523.6	1615.2	1683.6	1706.3	1701.3	1677.2	1622.6	1566.9	1474.4
12.5°	1546.8	1600.4	1700.8	1756.0	1779.1	1766.3	1738.7	1685.6	1627.0	1529.5
15°	1582.2	1638.3	1725.5	1754.5	1748.1	1734.8	1731.4	1705.8	1661.5	1570.4
17.5°	1597.5	1649.6	1710.2	1692.0	1637.8	1627.5	1662.0	1694.4	1683.6	1605.8
20°	1611.7	1655.6	1673.8	1593.0	1498.5	1489.2	1555.1	1647.7	1694.9	1638.8
22.5°	1631.4	1658.5	1621.1	1488.7	1386.8	1365.1	1438.0	1577.3	1698.4	1680.7
25°	1658.5	1665.9	1563.0	1389.7	1287.3	1265.7	1333.6	1499.0	1692.5	1726.0
27.5°	1691.0	1675.7	1507.4	1307.0	1208.1	1187.9	1255.8	1423.7	1675.7	1771.2
30°	1733.3	1688.5	1452.2	1243.0	1151.5	1136.7	1202.2	1358.7	1655.1	1828.8
32.5°	1776.2	1694.0	1401.0	1205.6	1138.7	1144.1	1197.7	1323.8	1632.4	1884.0
35°	1822.4	1711.2	1375.9	1242.5	1245.5	1292.7	1314.9	1356.2	1629.0	1958.8
37.5°	1885.5	1749.6	1406.0	1426.1	1528.5	1626.5	1608.3	1515.3	1668.8	2070.5
40°	1976.0	1817.0	1536.9	1738.7	1949.0	2108.0	2038.6	1804.2	1790.9	2231.5
42.5°	2108.0	1924.3	1769.3	2120.8	2477.2	2739.1	2553.0	2176.9	2004.6	2461.4
45°	2302.9	2098.1	2050.4	2523.9	3128.5	3541.0	3154.1	2574.2	2303.9	2809.5
47.5°	2573.2	2353.6	2313.7	2948.8	3920.1	4453.7	3820.6	2942.4	2644.6	3284.0
50°	2932.0	2697.7	2563.3	3413.5	4788.0	5384.1	4486.7	3297.8	3034.9	3863.9
52.5°	3405.6	3177.7	2854.3	3856.1	5680.5	6294.8	5155.7	3609.9	3519.3	4536.9
55°	4051.5	3899.9	3252.0	4278.4	6572.5	7211.0	5798.6	3904.3	4159.3	5336.4
57.5°	4852.9	4961.2	3825.5	4768.3	7374.4	8155.2	6444.5	4315.9	4990.3	6230.4
60°	5369.8	6372.6	4923.8	5492.4	8285.6	9223.0	7329.6	5098.6	5863.6	6550.8
62.5°	5244.8	6821.6	6239.2	6416.9	9123.5	9999.3	8197.0	5884.8	6028.0	6078.7
65°	4861.3	6459.3	5970.9	6596.6	9335.7	10043.1	8428.9	5783.4	5113.4	4962.7
67.5°	4333.6	6029.5	5333.4	6120.1	8952.2	9430.7	7997.2	5115.8	3951.6	3724.1
70°	3764.0	5554.0	4915.0	5585.5	8221.2	8363.4	7263.2	4499.5	2906.4	2515.1
72.5°	3223.5	5058.7	4628.5	5037.5	7245.9	6951.6	6307.6	3954.5	2116.3	1814.1
75°	2670.6	4328.2	4220.4	4386.7	5963.5	5475.7	5240.9	3274.2	1661.0	1312.4
77.5°	2060.7	3382.0	3630.1	3512.9	4197.7	4067.3	4062.3	2460.4	1213.5	875.8
80°	1410.4	2357.1	2836.1	2478.2	2724.3	2657.8	3059.5	1650.6	880.2	527.2
82.5°	829.0	1435.0	1974.1	1199.7	1506.4	1546.3	1821.9	802.9	517.9	121.6
85°	336.2	566.6	771.9	469.6	726.6	612.9	691.7	225.5	144.2	3.0
87.5°	84.7	181.2	127.0	52.7	84.2	77.3	61.0	27.6	5.9	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°
989.5	0°	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5
1118.0	2.5°	1098.8	1087.5	1059.4	1031.3	1008.7	978.2	958.0	933.9	910.7	890.1
1246.0	5°	1215.0	1177.5	1126.3	1079.6	1031.8	985.6	939.8	891.5	847.2	820.1
1354.3	7.5°	1309.5	1243.5	1175.6	1116.0	1058.4	1004.3	943.7	885.1	815.7	778.8
1437.0	10°	1379.9	1293.2	1204.1	1135.7	1077.6	1024.9	973.7	914.7	831.0	784.7
1487.2	12.5°	1426.1	1323.3	1218.9	1140.6	1075.6	1034.8	1012.1	989.0	905.8	851.7
1524.1	15°	1458.1	1344.4	1229.2	1129.3	1049.6	1019.5	1042.2	1068.8	1015.6	953.1
1562.5	17.5°	1493.1	1372.0	1233.7	1098.8	998.8	986.0	1044.6	1106.2	1103.7	1041.7
1598.9	20°	1530.0	1396.1	1230.7	1049.6	937.3	948.6	1023.5	1094.8	1124.9	1091.4
1640.8	22.5°	1567.9	1419.3	1219.4	985.6	879.7	915.2	990.0	1052.5	1087.9	1077.6
1692.0	25°	1615.7	1451.7	1202.7	916.6	832.0	881.2	951.1	1001.8	1026.4	1025.9
1747.1	27.5°	1672.8	1495.1	1193.8	861.0	798.0	842.8	904.8	950.1	967.3	967.3
1815.5	30°	1739.2	1546.3	1183.9	824.6	778.3	802.9	851.2	895.5	912.7	912.7
1890.4	32.5°	1813.1	1595.5	1160.3	802.4	763.5	764.0	794.5	834.9	855.6	858.5
1983.9	35°	1901.7	1648.2	1108.6	784.7	746.3	726.1	740.9	774.4	799.0	805.4
2117.3	37.5°	2017.9	1712.7	1034.8	758.6	719.7	686.2	689.7	715.3	742.4	752.2
2301.4	40°	2173.9	1788.5	958.0	721.2	682.3	642.4	641.0	659.7	686.2	697.1
2550.5	42.5°	2380.2	1879.5	884.6	685.3	637.0	596.2	593.7	608.5	631.6	642.9
2879.4	45°	2644.1	1991.3	821.6	657.2	592.7	552.3	551.4	563.7	583.8	595.7
3300.3	47.5°	3010.8	2103.0	778.8	642.4	557.8	516.4	518.4	529.2	547.4	555.8
3845.2	50°	3488.8	2137.0	757.1	642.4	539.1	484.4	494.3	503.1	516.9	521.8
4498.5	52.5°	3947.6	2024.8	737.4	646.4	541.5	457.3	478.5	484.9	496.7	498.7
5104.0	55°	4172.6	1740.7	710.4	647.4	556.8	434.2	465.7	477.5	481.9	481.5
5455.5	57.5°	4095.3	1407.4	664.6	643.4	567.1	419.4	449.9	472.6	475.5	471.1
5388.5	60°	3824.1	1036.3	629.6	614.4	563.2	415.0	425.8	461.8	466.2	460.3
4872.6	62.5°	3369.2	719.2	602.6	550.4	545.9	413.5	387.9	438.1	449.0	440.6
3916.6	65°	2652.4	508.0	518.9	482.4	508.5	405.6	348.5	409.6	424.3	411.6
2841.5	67.5°	1794.9	366.8	420.4	437.1	448.0	387.9	320.0	377.1	396.8	380.0
1823.4	70°	969.3	257.5	277.6	368.2	380.5	357.4	294.4	344.1	366.8	348.5
1296.2	72.5°	572.5	185.1	194.5	295.9	317.0	314.6	265.8	305.7	333.3	311.6
894.5	75°	315.6	125.0	138.8	214.6	257.5	242.7	228.4	258.9	287.0	265.8
560.7	77.5°	141.3	74.8	96.5	140.8	202.3	166.4	176.7	201.8	227.9	205.8
312.1	80°	54.6	41.8	64.0	76.8	147.2	92.1	113.7	148.7	167.4	149.7
67.9	82.5°	6.9	18.7	27.6	30.0	85.7	48.7	66.0	93.5	92.1	79.8
0.0	85°	0.0	3.4	3.9	2.0	36.9	17.7	21.7	30.5	28.6	21.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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°
989.5	0°	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5
886.1	2.5°	862.0	844.3	835.4	828.0	834.9	838.9	838.9	855.6	865.4	869.4
802.9	5°	759.6	726.6	704.5	691.2	695.6	700.5	705.9	727.1	741.4	750.7
745.3	7.5°	678.9	628.6	597.6	581.4	583.8	587.3	591.7	612.4	626.7	639.0
734.5	10°	639.0	568.1	527.2	507.5	504.1	502.1	500.7	513.0	523.8	533.6
778.8	12.5°	641.0	542.0	492.3	468.2	457.8	446.0	436.7	438.6	445.5	457.8
858.1	15°	666.1	533.6	474.1	444.0	426.8	413.0	401.7	399.2	401.7	403.7
948.6	17.5°	700.0	532.7	458.3	420.9	403.2	391.9	381.5	378.1	378.6	381.0
1008.7	20°	727.1	529.7	440.6	398.8	383.0	373.2	362.8	359.4	360.4	360.8
1014.6	22.5°	741.4	525.3	420.9	376.6	363.3	353.5	344.1	343.6	343.6	346.6
982.6	25°	741.4	515.9	403.2	355.4	343.6	334.8	323.4	325.4	326.4	330.3
932.9	27.5°	723.7	498.2	388.9	337.2	324.9	316.0	305.7	308.2	309.6	314.1
883.7	30°	701.0	477.0	372.7	320.0	305.7	299.3	290.4	291.4	293.4	298.3
837.9	32.5°	676.9	451.9	359.4	302.8	288.5	283.6	273.7	275.2	277.2	282.6
792.6	35°	650.3	422.4	343.6	287.0	272.7	268.8	257.5	258.4	261.4	267.3
743.8	37.5°	622.2	398.3	327.9	271.7	257.0	253.0	241.2	242.2	245.7	252.5
692.6	40°	594.7	374.6	311.1	255.5	240.7	237.3	224.5	225.5	229.4	236.8
641.0	42.5°	564.7	356.4	289.5	238.8	223.0	219.6	207.7	209.2	213.7	221.0
593.2	45°	528.7	344.6	265.3	223.0	205.3	201.8	191.0	194.0	198.9	206.3
552.3	47.5°	491.8	339.7	245.2	206.3	187.1	184.1	175.3	180.2	185.6	191.5
517.4	50°	456.3	333.3	224.5	190.5	171.3	168.4	162.5	168.9	174.3	179.7
492.3	52.5°	416.0	319.5	205.8	176.7	158.0	157.0	154.1	160.0	164.9	169.8
470.6	55°	374.1	297.3	189.5	164.4	146.7	147.7	146.2	151.1	155.1	159.5
450.9	57.5°	337.7	269.3	176.7	151.1	136.9	139.8	137.8	140.3	142.8	148.2
427.3	60°	300.8	235.8	162.5	135.4	127.0	130.5	125.0	124.5	125.5	127.0
392.4	62.5°	251.1	200.9	144.7	121.6	116.2	117.7	107.3	99.4	99.4	100.9
343.6	65°	201.8	168.4	125.0	105.8	101.4	100.4	85.7	74.8	73.8	78.3
287.0	67.5°	165.9	139.8	105.3	88.1	85.2	86.1	75.3	64.5	63.5	68.4
233.8	70°	137.3	112.7	84.2	67.9	70.9	75.3	64.5	54.2	52.7	57.1
190.0	72.5°	109.3	88.1	64.5	50.2	58.6	64.0	52.7	42.8	41.8	45.8
146.7	75°	80.2	63.0	43.8	36.4	45.3	50.2	38.4	30.5	29.0	32.5
98.0	77.5°	49.7	35.4	27.6	21.7	31.0	33.5	20.2	17.7	17.2	19.7
59.6	80°	23.1	15.3	13.3	7.4	11.3	13.3	8.4	9.4	9.8	11.8
30.0	82.5°	6.4	2.5	0.5	0.0	0.0	3.9	2.0	3.9	4.9	7.4
2.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	4.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
989.5	0°	989.5	989.5	989.5	989.5	989.5	989.5	989.5	989.5
896.9	2.5°	917.6	937.3	968.8	1001.3	1033.3	1065.8	1097.3	1108.6
793.6	5°	832.5	877.7	940.3	1007.2	1076.1	1146.0	1210.0	1239.1
686.7	7.5°	737.4	802.4	896.5	1001.3	1111.1	1220.9	1321.8	1368.6
580.9	10°	636.0	718.2	825.6	967.3	1124.9	1276.5	1415.3	1475.9
487.9	12.5°	539.5	625.7	744.3	914.2	1114.0	1308.5	1475.4	1546.8
422.4	15°	458.8	535.1	663.1	851.2	1079.1	1310.5	1503.9	1582.2
386.0	17.5°	398.3	448.0	580.4	781.3	1033.3	1292.2	1513.8	1597.5
366.3	20°	368.2	382.0	473.1	691.7	990.5	1275.0	1523.6	1611.7
350.5	22.5°	350.5	354.0	386.9	576.0	939.3	1269.6	1540.9	1631.4
336.2	25°	336.2	337.2	346.1	456.3	861.0	1266.2	1567.4	1658.5
321.5	27.5°	322.0	322.0	326.9	367.7	754.7	1251.4	1601.9	1691.0
306.7	30°	307.7	307.7	311.1	325.4	630.1	1222.3	1643.2	1733.3
291.9	32.5°	292.9	292.9	295.9	306.2	503.1	1185.9	1681.2	1776.2
276.7	35°	278.1	277.2	281.1	291.9	400.2	1139.6	1719.1	1822.4
261.4	37.5°	262.4	261.9	265.8	278.1	345.6	1086.0	1747.6	1885.5
246.1	40°	245.7	245.7	250.1	263.4	329.8	1018.5	1792.9	1976.0
230.4	42.5°	230.4	229.4	234.3	250.6	318.0	954.0	1874.1	2108.0
216.1	45°	215.6	213.7	218.1	238.3	297.3	931.4	2025.8	2302.9
202.3	47.5°	201.8	196.9	200.9	223.5	278.6	1016.1	2273.9	2573.2
190.0	50°	190.5	181.2	184.6	208.7	264.4	1199.7	2595.8	2932.0
178.7	52.5°	178.7	166.4	168.4	190.5	251.6	1374.5	2944.8	3405.6
167.4	55°	166.4	152.6	153.6	172.3	233.3	1400.6	3285.5	4051.5
154.6	57.5°	152.6	139.8	139.8	155.6	220.1	1214.0	3547.4	4852.9
138.8	60°	137.3	129.0	126.5	142.3	231.9	856.6	3577.9	5369.8
118.6	62.5°	120.6	116.2	112.7	129.5	240.7	507.5	3332.3	5244.8
93.5	65°	101.4	100.4	98.0	142.3	202.8	299.8	2860.7	4861.3
79.8	67.5°	85.2	83.7	83.7	149.2	154.1	188.5	2235.0	4333.6
67.9	70°	73.4	67.9	67.9	112.7	93.5	130.5	1560.5	3764.0
56.1	72.5°	61.5	55.6	51.7	90.1	69.9	95.5	975.2	3223.5
42.8	75°	49.2	44.8	39.9	59.6	52.2	72.4	566.6	2670.6
27.1	77.5°	35.4	33.5	28.1	43.8	37.9	52.2	337.2	2060.7
16.7	80°	18.2	18.7	17.7	25.1	25.6	35.4	192.0	1410.4
10.8	82.5°	10.8	8.4	9.4	12.3	14.8	20.2	72.4	829.0
7.9	85°	6.9	4.4	4.4	5.9	7.4	7.9	22.2	336.2
3.9	87.5°	3.4	1.5	2.0	3.0	2.5	2.0	1.0	84.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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