

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: P948390

Luminaire Tested: **GALN-SB3B-950-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948390  
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-950-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

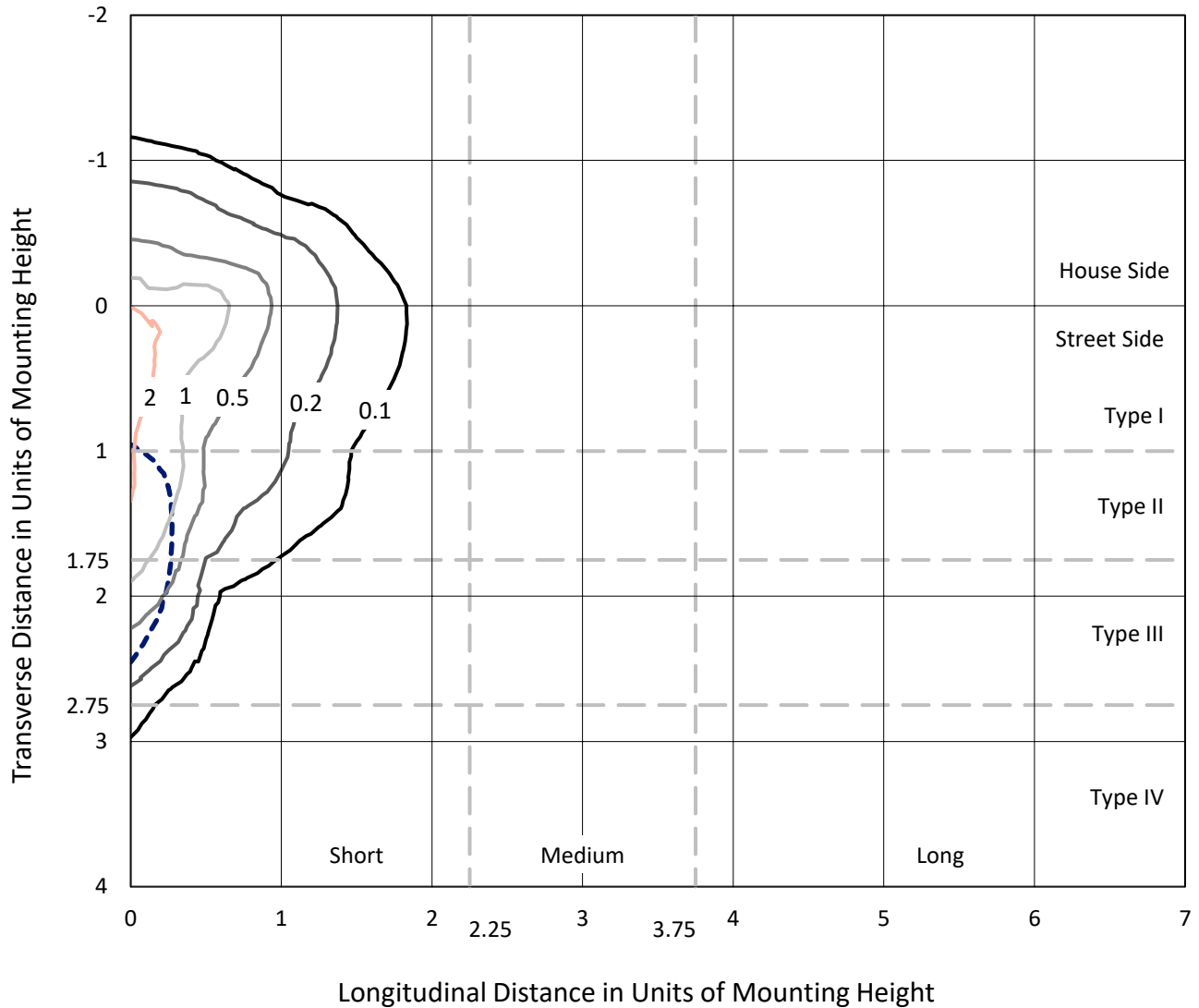
Lumens per Lamp: N/A  
Luminaire Lumens: 8970 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

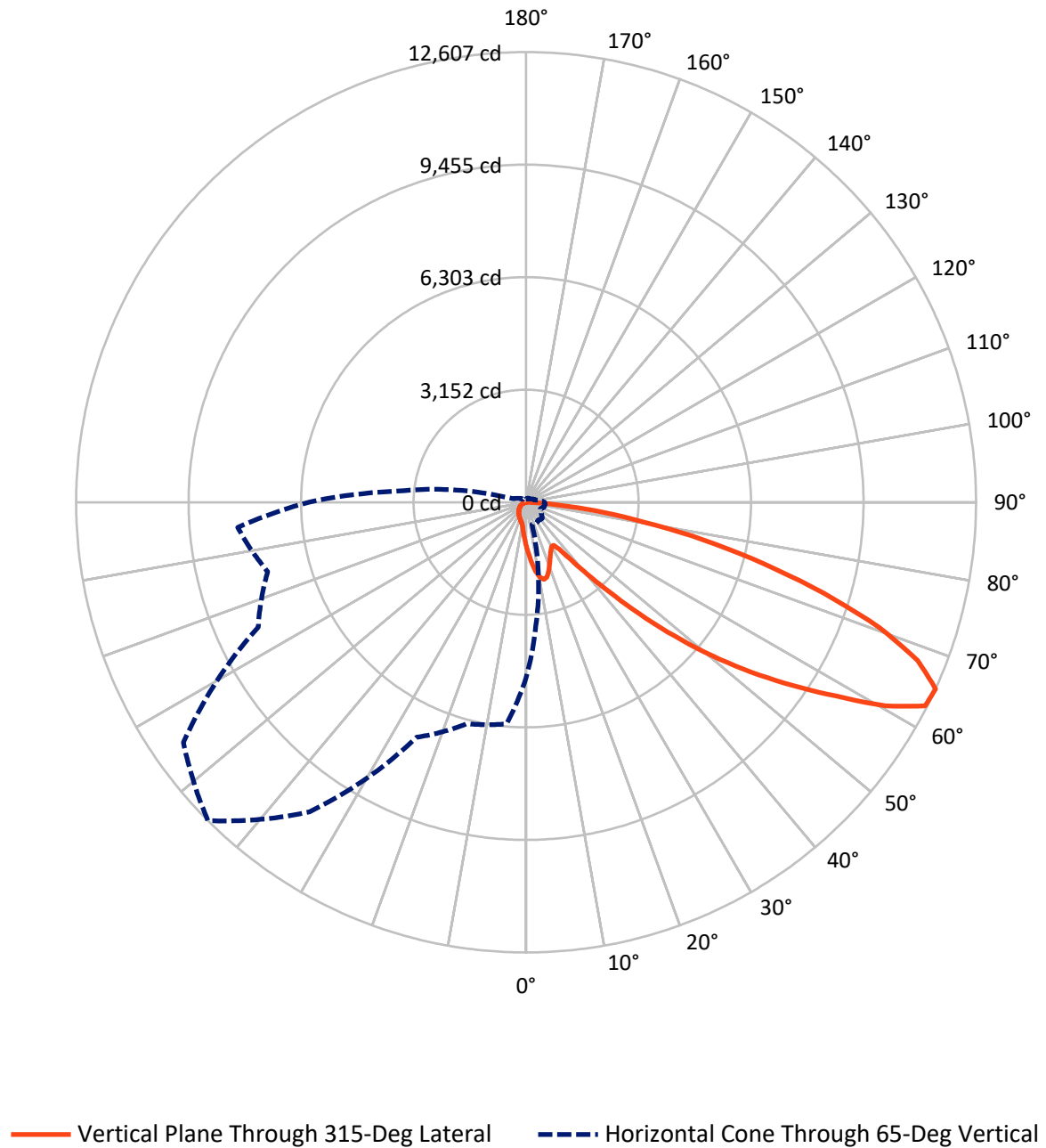
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1256.2	0.0	1256.2
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	7713.8	0.0	7713.8
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	8970.0	0.0	8970.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.3	1.4
10°-20°	366.6	4.1
20°-30°	540.0	6.0
30°-40°	693.8	7.7
40°-50°	1122.1	12.5
50°-60°	1967.7	21.9
60°-70°	2462.1	27.4
70°-80°	1438.7	16.0
80°-90°	256.7	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°	8970.0	100.0
0°-180°	8970.0	100.0

**Coefficient of Utilization**



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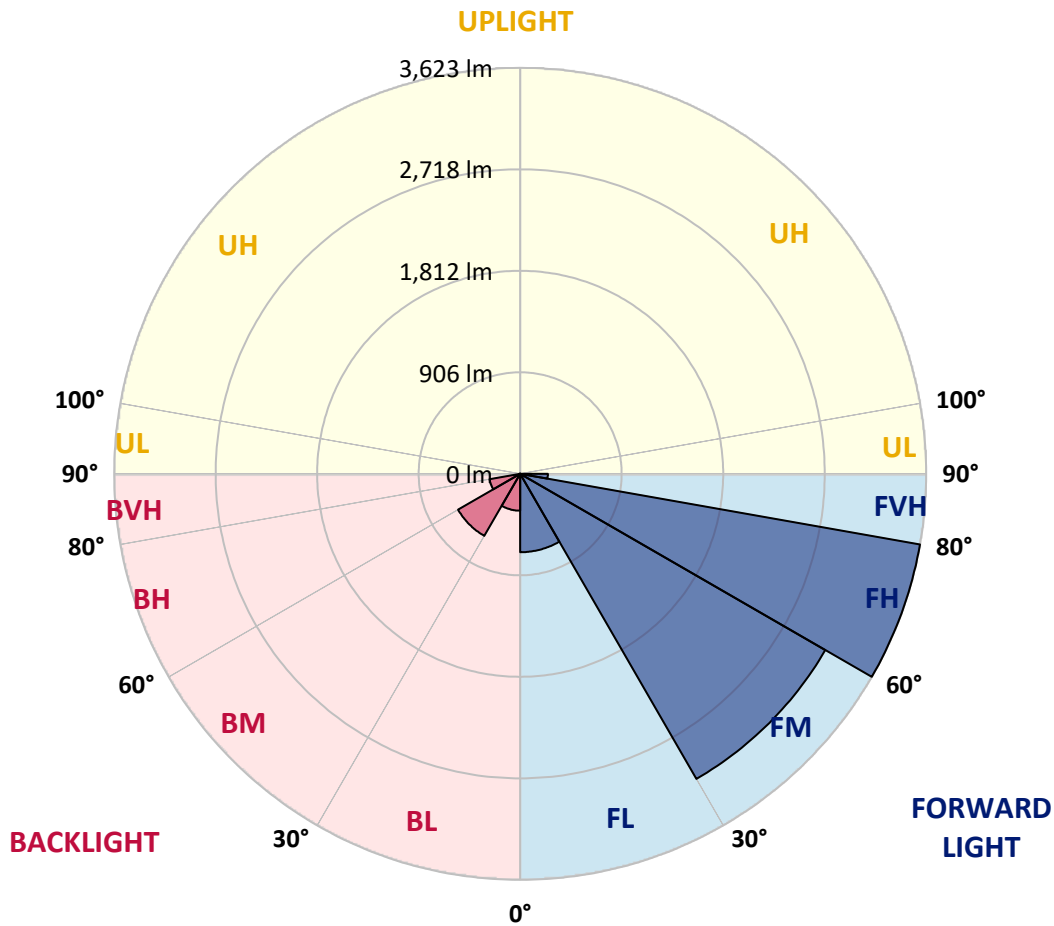
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	699.6	7.8			
FM (30°-60°)	3143.9	35.0			
FH (60°-80°)	3623.5	40.4			G2/5000
FVH (80°-90°)	246.8	2.8			G3/500
BL (0°-30°)	329.3	3.7	B1/500		
BM (30°-60°)	639.7	7.1	B1/1000		
BH (60°-80°)	277.4	3.1	B1/500		G1/500
BVH (80°-90°)	9.9	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
2.5°	1403.3	1379.2	1365.0	1329.8	1294.6	1266.2	1227.8	1202.5	1172.2	1143.2
5°	1564.0	1525.1	1478.1	1413.8	1355.1	1295.2	1237.1	1179.6	1119.1	1063.5
7.5°	1700.0	1643.7	1560.9	1475.6	1400.9	1328.6	1260.6	1184.6	1111.1	1023.9
10°	1803.8	1732.1	1623.3	1511.5	1425.6	1352.7	1286.5	1222.3	1148.1	1043.1
12.5°	1866.8	1790.2	1661.0	1530.0	1431.8	1350.2	1298.9	1270.5	1241.4	1137.0
15°	1913.1	1830.3	1687.6	1543.0	1417.6	1317.4	1279.8	1308.2	1341.5	1274.8
17.5°	1961.3	1874.2	1722.2	1548.6	1379.2	1253.8	1237.7	1311.3	1388.5	1385.4
20°	2007.1	1920.6	1752.5	1544.8	1317.4	1176.6	1190.8	1284.7	1374.3	1412.0
22.5°	2059.6	1968.1	1781.5	1530.6	1237.1	1104.3	1148.7	1242.7	1321.2	1365.6
25°	2123.9	2028.1	1822.3	1509.6	1150.6	1044.3	1106.1	1193.9	1257.5	1288.4
27.5°	2193.1	2099.8	1876.7	1498.5	1080.8	1001.7	1057.9	1135.8	1192.6	1214.3
30°	2279.0	2183.2	1940.9	1486.1	1035.0	977.0	1007.9	1068.4	1124.0	1145.7
32.5°	2372.9	2275.9	2002.7	1456.5	1007.2	958.4	959.0	997.4	1048.0	1074.0
35°	2490.3	2387.1	2068.9	1391.6	985.0	936.8	911.5	930.0	972.0	1002.9
37.5°	2657.8	2532.9	2149.8	1298.9	952.2	903.4	861.4	865.7	897.9	931.9
40°	2888.9	2728.8	2245.0	1202.5	905.3	856.5	806.4	804.6	828.0	861.4
42.5°	3201.5	2987.7	2359.3	1110.4	860.2	799.6	748.3	745.2	763.8	792.8
45°	3614.3	3319.0	2499.6	1031.3	824.9	744.0	693.3	692.1	707.5	732.9
47.5°	4142.7	3779.3	2639.8	977.6	806.4	700.1	648.2	650.7	664.3	687.1
50°	4826.7	4379.3	2682.5	950.4	806.4	676.6	608.1	620.4	631.5	648.8
52.5°	5646.7	4955.3	2541.6	925.7	811.4	679.7	574.1	600.6	608.7	623.5
55°	6406.8	5237.7	2185.0	891.7	812.6	698.9	545.0	584.6	599.4	605.0
57.5°	6848.0	5140.6	1766.7	834.2	807.6	711.9	526.5	564.8	593.2	596.9
60°	6764.0	4800.2	1300.8	790.3	771.2	706.9	520.9	534.5	579.6	585.2
62.5°	6116.4	4229.2	902.8	756.4	690.9	685.3	519.1	486.9	550.0	563.6
65°	4916.3	3329.5	637.7	651.3	605.6	638.3	509.2	437.5	514.1	532.7
67.5°	3566.7	2253.0	460.4	527.7	548.7	562.3	486.9	401.7	473.3	498.1
70°	2288.8	1216.7	323.2	348.5	462.2	477.7	448.6	369.5	431.9	460.4
72.5°	1627.0	718.7	232.3	244.1	371.4	398.0	394.9	333.7	383.7	418.3
75°	1122.8	396.1	157.0	174.3	269.4	323.2	304.6	286.7	325.0	360.3
77.5°	703.8	177.3	93.9	121.1	176.7	254.0	208.9	221.8	253.4	286.1
80°	391.8	68.6	52.5	80.3	96.4	184.8	115.6	142.7	186.6	210.1
82.5°	85.3	8.7	23.5	34.6	37.7	107.5	61.2	82.8	117.4	115.6
85°	0.0	0.0	4.3	4.9	2.5	46.3	22.2	27.2	38.3	35.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°
1242.1	0°	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
1117.2	2.5°	1112.3	1082.0	1059.8	1048.6	1039.4	1048.0	1053.0	1053.0	1074.0	1086.3
1029.5	5°	1007.9	953.5	912.1	884.3	867.6	873.1	879.3	886.1	912.7	930.6
977.6	7.5°	935.6	852.1	789.1	750.2	729.8	732.9	737.2	742.8	768.7	786.6
985.0	10°	922.0	802.1	713.1	661.8	637.1	632.8	630.3	628.4	643.9	657.5
1069.0	12.5°	977.6	804.6	680.4	617.9	587.7	574.7	559.9	548.1	550.6	559.2
1196.3	15°	1077.1	836.1	669.8	595.1	557.4	535.8	518.5	504.2	501.1	504.2
1307.6	17.5°	1190.8	878.7	668.6	575.3	528.3	506.1	491.9	478.9	474.6	475.2
1370.0	20°	1266.2	912.7	664.9	553.1	500.5	480.8	468.4	455.4	451.1	452.3
1352.7	22.5°	1273.6	930.6	659.3	528.3	472.7	456.0	443.7	431.9	431.3	431.3
1287.8	25°	1233.4	930.6	647.6	506.1	446.2	431.3	420.2	406.0	408.5	409.7
1214.3	27.5°	1171.0	908.4	625.4	488.2	423.3	407.8	396.7	383.7	386.8	388.7
1145.7	30°	1109.2	879.9	598.8	467.8	401.7	383.7	375.7	364.6	365.8	368.3
1077.7	32.5°	1051.7	849.7	567.3	451.1	380.0	362.1	355.9	343.6	345.4	347.9
1010.9	35°	994.9	816.3	530.2	431.3	360.3	342.3	337.4	323.2	324.4	328.1
944.2	37.5°	933.7	781.1	499.9	411.5	341.1	322.6	317.6	302.8	304.0	308.4
875.0	40°	869.4	746.5	470.3	390.5	320.7	302.2	297.8	281.8	283.0	288.0
807.0	42.5°	804.6	708.8	447.4	363.3	299.7	279.9	275.6	260.8	262.6	268.2
747.7	45°	744.6	663.7	432.6	333.1	279.9	257.7	253.4	239.8	243.5	249.6
697.7	47.5°	693.3	617.3	426.4	307.7	258.9	234.8	231.1	220.0	226.2	233.0
655.0	50°	649.5	572.8	418.3	281.8	239.1	215.0	211.3	203.9	212.0	218.8
626.0	52.5°	617.9	522.2	401.0	258.3	221.8	198.4	197.1	193.4	200.8	207.0
604.3	55°	590.7	469.6	373.2	237.9	206.4	184.1	185.4	183.5	189.7	194.7
591.4	57.5°	566.0	423.9	338.0	221.8	189.7	171.8	175.5	173.0	176.1	179.2
577.8	60°	536.4	377.6	296.0	203.9	169.9	159.4	163.8	157.0	156.3	157.6
553.1	62.5°	492.5	315.1	252.1	181.7	152.6	145.8	147.7	134.7	124.8	124.8
516.6	65°	431.3	253.4	211.3	157.0	132.9	127.3	126.1	107.5	93.9	92.7
477.0	67.5°	360.3	208.2	175.5	132.2	110.6	106.9	108.1	94.5	81.0	79.7
437.5	70°	293.5	172.4	141.5	105.7	85.3	89.0	94.5	81.0	68.0	66.1
391.2	72.5°	238.5	137.2	110.6	81.0	63.0	73.5	80.3	66.1	53.8	52.5
333.7	75°	184.1	100.7	79.1	55.0	45.7	56.9	63.0	48.2	38.3	36.5
258.3	77.5°	123.0	62.4	44.5	34.6	27.2	38.9	42.0	25.3	22.2	21.6
187.9	80°	74.8	29.0	19.2	16.7	9.3	14.2	16.7	10.5	11.7	12.4
100.1	82.5°	37.7	8.0	3.1	0.6	0.0	0.0	4.9	2.5	4.9	6.2
27.2	85°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.1
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°
1242.1	0°	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
1091.3	2.5°	1125.9	1151.8	1176.6	1216.1	1256.9	1297.1	1337.8	1377.4	1391.6	1402.1
942.4	5°	996.1	1044.9	1101.8	1180.3	1264.3	1350.8	1438.6	1518.9	1555.4	1580.1
802.1	7.5°	862.0	925.7	1007.2	1125.3	1256.9	1394.7	1532.5	1659.2	1717.9	1765.5
669.8	10°	729.2	798.4	901.6	1036.3	1214.3	1412.0	1602.3	1776.6	1852.6	1912.5
574.7	12.5°	612.4	677.3	785.4	934.3	1147.5	1398.4	1642.5	1852.0	1941.6	2008.9
506.7	15°	530.2	575.9	671.7	832.4	1068.4	1354.5	1645.0	1887.8	1986.1	2056.5
478.3	17.5°	484.5	499.9	562.3	728.6	980.7	1297.1	1622.1	1900.2	2005.2	2070.7
452.9	20°	459.7	462.2	479.5	593.8	868.2	1243.3	1600.5	1912.5	2023.1	2078.1
435.0	22.5°	440.0	440.0	444.3	485.7	723.0	1179.0	1593.7	1934.1	2047.9	2081.8
414.6	25°	422.1	422.1	423.3	434.4	572.8	1080.8	1589.3	1967.5	2081.8	2091.1
394.2	27.5°	403.5	404.1	404.1	410.3	461.6	947.3	1570.8	2010.8	2122.6	2103.5
374.5	30°	385.0	386.2	386.2	390.5	408.5	791.0	1534.3	2062.7	2175.8	2119.5
354.7	32.5°	366.4	367.7	367.7	371.4	384.4	631.5	1488.6	2110.3	2229.5	2126.3
335.5	35°	347.3	349.1	347.9	352.8	366.4	502.4	1430.5	2157.8	2287.6	2148.0
317.0	37.5°	328.1	329.4	328.7	333.7	349.1	433.8	1363.2	2193.7	2366.7	2196.2
297.2	40°	309.0	308.4	308.4	313.9	330.6	414.0	1278.5	2250.5	2480.4	2280.8
277.5	42.5°	289.2	289.2	288.0	294.1	314.5	399.2	1197.6	2352.5	2646.0	2415.5
258.9	45°	271.3	270.7	268.2	273.7	299.1	373.2	1169.1	2542.8	2890.7	2633.7
240.4	47.5°	254.0	253.4	247.2	252.1	280.5	349.8	1275.4	2854.3	3230.0	2954.4
225.5	50°	238.5	239.1	227.4	231.7	262.0	331.8	1505.9	3258.4	3680.4	3386.3
213.2	52.5°	224.3	224.3	208.9	211.3	239.1	315.8	1725.3	3696.5	4274.9	3988.8
200.2	55°	210.1	208.9	191.6	192.8	216.3	292.9	1758.0	4124.1	5085.6	4895.3
186.0	57.5°	194.0	191.6	175.5	175.5	195.3	276.2	1523.8	4452.9	6091.6	6227.6
159.4	60°	174.3	172.4	161.9	158.8	178.6	291.0	1075.2	4491.2	6740.5	7999.2
126.7	62.5°	148.9	151.4	145.8	141.5	162.5	302.2	637.1	4182.8	6583.5	8562.8
98.3	65°	117.4	127.3	126.1	123.0	178.6	254.6	376.3	3590.8	6102.2	8108.0
85.9	67.5°	100.1	106.9	105.0	105.0	187.2	193.4	236.7	2805.4	5439.7	7568.5
71.7	70°	85.3	92.1	85.3	85.3	141.5	117.4	163.8	1958.9	4724.8	6971.6
57.5	72.5°	70.4	77.2	69.8	64.9	113.1	87.7	119.9	1224.1	4046.3	6349.9
40.8	75°	53.8	61.8	56.2	50.1	74.8	65.5	90.8	711.2	3352.3	5432.9
24.7	77.5°	34.0	44.5	42.0	35.2	55.0	47.6	65.5	423.3	2586.7	4245.2
14.8	80°	21.0	22.9	23.5	22.2	31.5	32.1	44.5	241.0	1770.4	2958.7
9.3	82.5°	13.6	13.6	10.5	11.7	15.4	18.5	25.3	90.8	1040.6	1801.3
5.6	85°	9.9	8.7	5.6	5.6	7.4	9.3	9.9	27.8	422.1	711.2
2.5	87.5°	4.9	4.3	1.9	2.5	3.7	3.1	2.5	1.2	106.3	227.4
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°
1242.1	0°	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
1425.6	2.5°	1437.9	1457.1	1458.3	1458.3	1441.7	1441.0	1407.0	1403.3
1635.7	5°	1693.2	1705.5	1708.6	1702.4	1669.1	1644.3	1578.2	1564.0
1850.1	7.5°	1926.7	1951.5	1951.5	1936.6	1882.2	1831.6	1735.8	1700.0
2027.5	10°	2113.4	2141.8	2135.6	2105.3	2036.7	1966.9	1850.7	1803.8
2135.0	12.5°	2204.2	2233.2	2217.2	2182.6	2115.8	2042.3	1919.9	1866.8
2165.9	15°	2202.3	2194.3	2177.6	2173.3	2141.2	2085.5	1971.2	1913.1
2146.7	17.5°	2123.9	2055.9	2042.9	2086.2	2126.9	2113.4	2015.7	1961.3
2101.0	20°	1999.7	1881.0	1869.3	1952.1	2068.2	2127.6	2057.1	2007.1
2034.9	22.5°	1868.6	1740.7	1713.5	1805.0	1979.9	2131.9	2109.6	2059.6
1962.0	25°	1744.4	1615.9	1588.7	1674.0	1881.6	2124.5	2166.5	2123.9
1892.1	27.5°	1640.6	1516.4	1491.1	1576.4	1787.1	2103.5	2223.3	2193.1
1822.9	30°	1560.3	1445.4	1426.8	1509.0	1705.5	2077.5	2295.6	2279.0
1758.7	32.5°	1513.3	1429.3	1436.1	1503.4	1661.6	2049.1	2364.9	2372.9
1727.1	35°	1559.7	1563.4	1622.7	1650.5	1702.4	2044.8	2458.8	2490.3
1764.8	37.5°	1790.2	1918.7	2041.7	2018.8	1902.0	2094.8	2599.1	2657.8
1929.2	40°	2182.6	2446.4	2646.0	2558.9	2264.7	2248.1	2801.1	2888.9
2220.9	42.5°	2662.1	3109.5	3438.2	3204.6	2732.5	2516.2	3089.7	3201.5
2573.7	45°	3168.2	3927.0	4444.8	3959.1	3231.2	2892.0	3526.6	3614.3
2904.3	47.5°	3701.5	4920.7	5590.5	4795.8	3693.4	3319.6	4122.3	4142.7
3217.6	50°	4284.8	6010.1	6758.4	5631.9	4139.6	3809.6	4850.2	4826.7
3582.8	52.5°	4840.3	7130.4	7901.6	6471.7	4531.3	4417.6	5694.9	5646.7
4082.1	55°	5370.5	8250.1	9051.6	7278.7	4900.9	5221.0	6698.5	6406.8
4802.0	57.5°	5985.4	9256.7	10236.8	8089.4	5417.5	6264.1	7820.6	6848.0
6180.6	60°	6894.3	10400.5	11577.1	9200.5	6400.0	7360.3	8222.9	6764.0
7831.8	62.5°	8054.8	11452.3	12551.6	10289.3	7386.8	7566.7	7630.3	6116.4
7495.0	65°	8280.4	11718.6	12606.6	10580.4	7259.6	6418.5	6229.4	4916.3
6694.8	67.5°	7682.2	11237.2	11837.9	10038.4	6421.6	4960.2	4674.7	3566.7
6169.5	70°	7011.1	10319.6	10498.2	9117.1	5648.0	3648.3	3157.1	2288.8
5809.9	72.5°	6323.4	9095.4	8725.9	7917.7	4963.9	2656.5	2277.1	1627.0
5297.6	75°	5506.5	7485.7	6873.3	6578.6	4109.9	2084.9	1647.4	1122.8
4556.7	77.5°	4409.6	5269.2	5105.4	5099.2	3088.5	1523.2	1099.3	703.8
3559.9	80°	3110.7	3419.7	3336.3	3840.5	2072.0	1104.9	661.8	391.8
2477.9	82.5°	1505.9	1890.9	1940.9	2287.0	1007.9	650.1	152.6	85.3
968.9	85°	589.5	912.1	769.3	868.2	283.0	181.1	3.7	0.0
159.4	87.5°	66.1	105.7	97.0	76.6	34.6	7.4	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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