

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: P948367

Luminaire Tested: **GALN-SB3B-940-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948367  
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-940-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

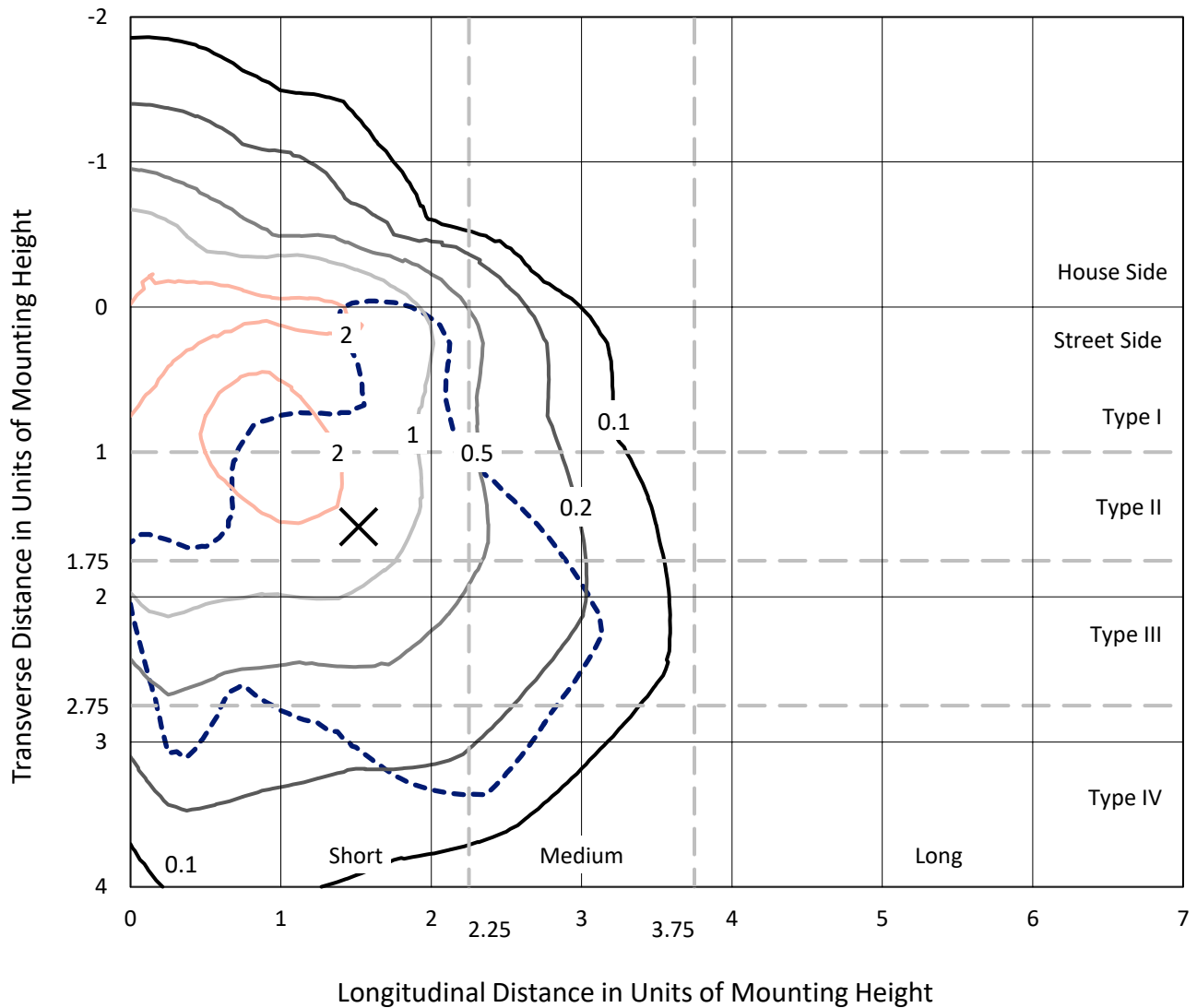
Lumens per Lamp: N/A  
Luminaire Lumens: 9344 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

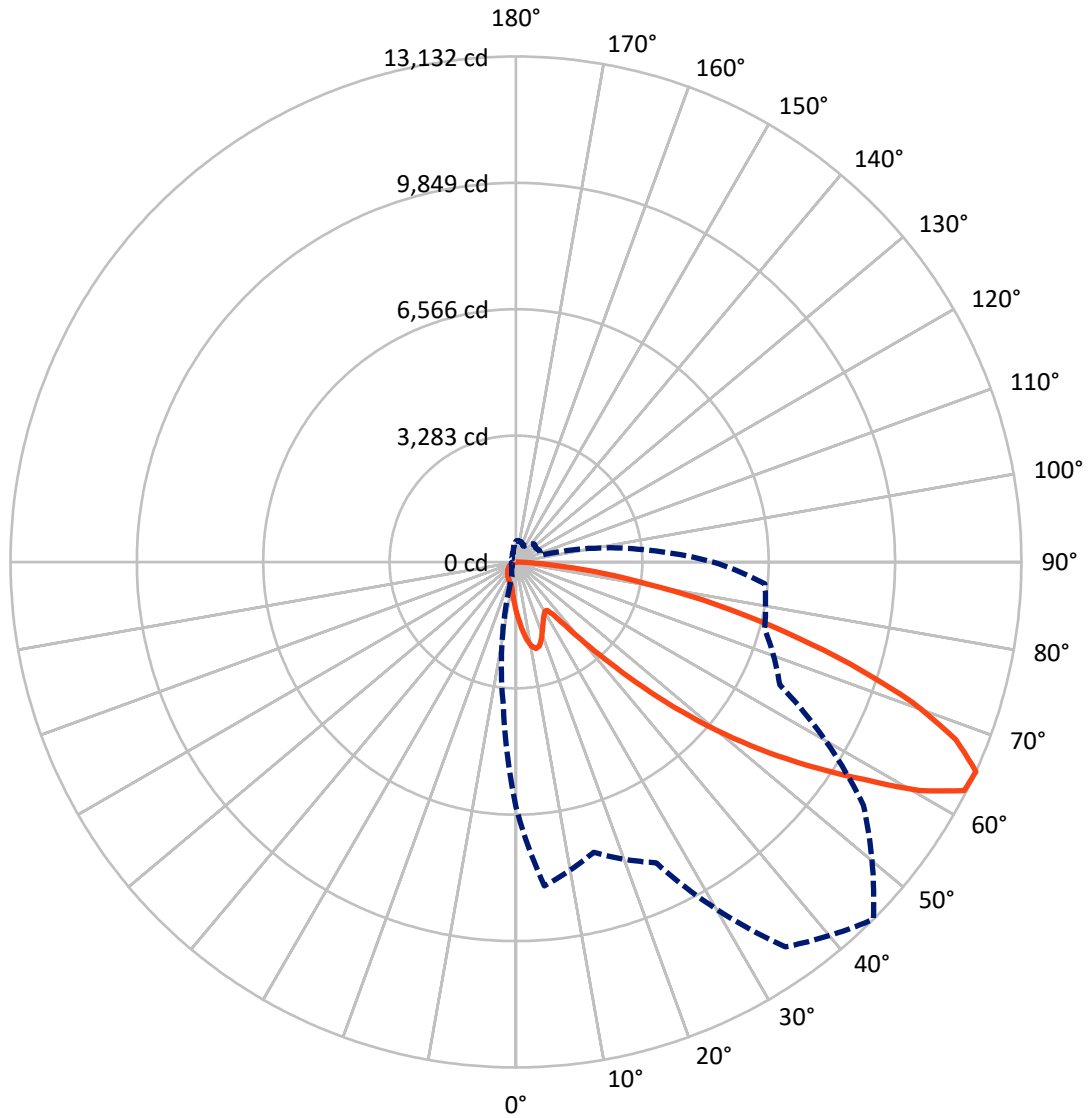
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	1857.3	0.0	1857.3
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	7486.7	0.0	7486.7
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	9344.0	0.0	9344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	1.4
10°-20°	381.9	4.1
20°-30°	562.6	6.0
30°-40°	722.7	7.7
40°-50°	1168.9	12.5
50°-60°	2049.7	21.9
60°-70°	2564.8	27.4
70°-80°	1498.7	16.0
80°-90°	267.4	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°	9344.0	100.0
0°-180°	9344.0	100.0

**Coefficient of Utilization**



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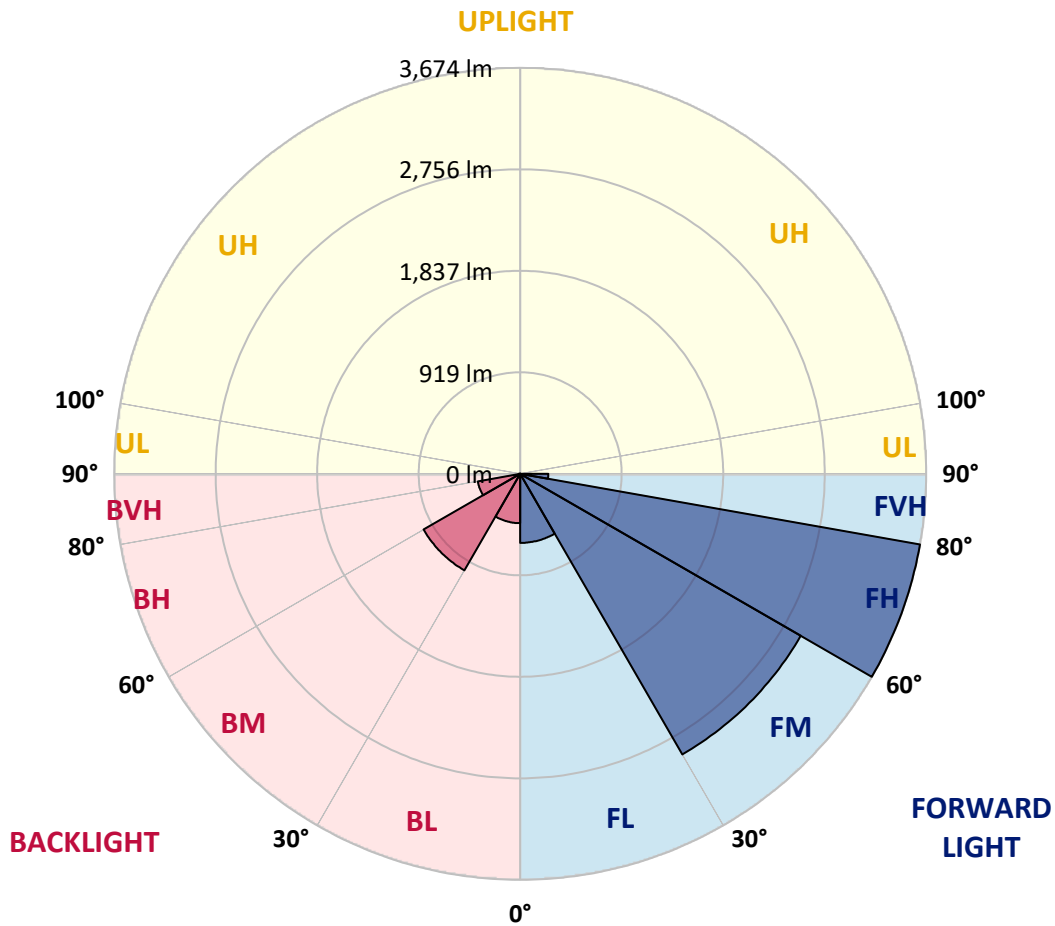
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.2	6.7			
FM (30°-60°)	2932.3	31.4			
FH (60°-80°)	3674.3	39.3			G2/5000
FVH (80°-90°)	254.9	2.7			G3/500
BL (0°-30°)	446.6	4.8	B1/500		
BM (30°-60°)	1009.1	10.8	B2/2500		
BH (60°-80°)	389.1	4.2	B1/500		G1/500
BVH (80°-90°)	12.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8
2.5°	1449.6	1460.6	1485.0	1497.9	1517.9	1519.1	1519.1	1501.8	1501.1	1465.7
5°	1620.2	1646.0	1703.9	1763.7	1776.6	1779.8	1773.4	1738.6	1712.9	1644.0
7.5°	1789.5	1839.1	1927.2	2007.1	2032.8	2032.8	2017.4	1960.7	1907.9	1808.2
10°	1929.8	1992.3	2112.0	2201.5	2231.1	2224.6	2193.1	2121.6	2048.9	1927.9
12.5°	2022.5	2092.7	2224.0	2296.1	2326.3	2309.6	2273.6	2204.0	2127.4	2000.0
15°	2068.9	2142.2	2256.2	2294.2	2285.8	2268.4	2263.9	2230.4	2172.5	2053.4
17.5°	2088.8	2157.1	2236.2	2212.4	2141.6	2128.1	2173.1	2215.6	2201.5	2099.8
20°	2107.5	2164.8	2188.6	2083.0	1959.4	1947.2	2033.5	2154.5	2216.3	2142.9
22.5°	2133.2	2168.6	2119.7	1946.6	1813.3	1785.0	1880.3	2062.4	2220.8	2197.6
25°	2168.6	2178.3	2043.8	1817.2	1683.3	1655.0	1743.8	1960.1	2213.1	2256.8
27.5°	2211.1	2191.2	1971.0	1709.0	1579.6	1553.3	1642.1	1861.6	2191.2	2316.0
30°	2266.5	2207.9	1898.9	1625.4	1505.6	1486.3	1571.9	1776.6	2164.1	2391.4
32.5°	2322.5	2215.0	1832.0	1576.4	1488.9	1496.0	1566.1	1730.9	2134.5	2463.5
35°	2383.0	2237.5	1799.2	1624.7	1628.6	1690.4	1719.3	1773.4	2130.0	2561.3
37.5°	2465.4	2287.7	1838.4	1864.8	1998.7	2126.8	2103.0	1981.3	2182.2	2707.4
40°	2583.8	2375.9	2009.6	2273.6	2548.4	2756.3	2665.6	2359.2	2341.8	2917.9
42.5°	2756.3	2516.2	2313.5	2773.1	3239.1	3581.6	3338.2	2846.5	2621.2	3218.5
45°	3011.2	2743.5	2681.0	3300.3	4090.7	4630.2	4124.2	3365.9	3012.5	3673.6
47.5°	3364.6	3077.5	3025.4	3855.8	5125.8	5823.6	4995.8	3847.4	3458.0	4294.1
50°	3833.9	3527.5	3351.8	4463.4	6260.7	7040.2	5866.7	4312.2	3968.4	5052.4
52.5°	4453.1	4155.1	3732.2	5042.1	7427.7	8231.0	6741.5	4720.3	4601.8	5932.4
55°	5297.7	5099.4	4252.3	5594.4	8594.1	9429.0	7582.2	5105.2	5438.7	6977.8
57.5°	6345.6	6487.2	5002.2	6234.9	9642.7	10663.6	8426.7	5643.4	6525.2	8146.7
60°	7021.5	8332.7	6438.3	7181.8	10834.2	12059.8	9584.1	6666.8	7667.2	8565.8
62.5°	6858.0	8919.8	8158.3	8390.7	11929.8	13074.9	10718.3	7694.8	7882.2	7948.5
65°	6356.6	8446.0	7807.5	8625.6	12207.2	13132.2	11021.5	7562.2	6686.2	6489.2
67.5°	5666.5	7884.1	6973.9	8002.5	11705.8	12331.4	10457.0	6689.4	5167.0	4869.6
70°	4921.8	7262.3	6426.7	7303.5	10749.9	10935.9	9497.2	5883.5	3800.4	3288.7
72.5°	4215.0	6614.7	6052.1	6587.0	9474.7	9089.7	8247.8	5170.9	2767.3	2372.0
75°	3492.1	5659.4	5518.5	5736.0	7797.8	7159.9	6852.9	4281.3	2171.9	1716.1
77.5°	2694.5	4422.2	4746.7	4593.5	5488.9	5318.3	5311.8	3217.2	1586.7	1145.1
80°	1844.2	3082.1	3708.4	3240.4	3562.3	3475.4	4000.6	2158.3	1150.9	689.4
82.5°	1084.0	1876.4	2581.3	1568.7	1969.7	2021.9	2382.3	1049.9	677.2	159.0
85°	439.6	740.9	1009.3	614.1	950.1	801.4	904.4	294.8	188.6	3.9
87.5°	110.7	236.9	166.1	68.9	110.1	101.1	79.8	36.0	7.7	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°
1293.8	0°	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8
1461.9	2.5°	1436.7	1421.9	1385.3	1348.6	1318.9	1279.0	1252.6	1221.1	1190.9	1163.8
1629.2	5°	1588.7	1539.7	1472.8	1411.6	1349.2	1288.7	1228.8	1165.7	1107.8	1072.4
1770.8	7.5°	1712.3	1626.0	1537.2	1459.3	1384.0	1313.2	1234.0	1157.4	1066.6	1018.3
1879.0	10°	1804.3	1691.0	1574.5	1485.0	1409.1	1340.2	1273.2	1196.0	1086.6	1026.1
1944.6	12.5°	1864.8	1730.3	1593.8	1491.5	1406.5	1353.1	1323.5	1293.2	1184.4	1113.6
1992.9	15°	1906.7	1758.0	1607.3	1476.7	1372.4	1333.1	1362.7	1397.5	1328.0	1246.2
2043.1	17.5°	1952.4	1794.0	1613.1	1436.7	1306.1	1289.3	1365.9	1446.4	1443.2	1362.1
2090.8	20°	2000.6	1825.5	1609.3	1372.4	1225.6	1240.4	1338.3	1431.6	1470.9	1427.1
2145.5	22.5°	2050.2	1855.8	1594.5	1288.7	1150.3	1196.6	1294.5	1376.2	1422.6	1409.1
2212.4	25°	2112.6	1898.3	1572.6	1198.6	1087.9	1152.2	1243.6	1309.9	1342.1	1341.5
2284.5	27.5°	2187.3	1954.9	1561.0	1125.8	1043.4	1102.0	1183.1	1242.3	1264.9	1264.9
2374.0	30°	2274.2	2021.9	1548.1	1078.2	1017.7	1049.9	1113.0	1170.9	1193.4	1193.4
2471.8	32.5°	2370.8	2086.2	1517.2	1049.2	998.4	999.0	1038.9	1091.7	1118.8	1122.6
2594.1	35°	2486.6	2155.1	1449.6	1026.1	975.9	949.5	968.8	1012.5	1044.7	1053.1
2768.6	37.5°	2638.5	2239.4	1353.1	991.9	941.1	897.3	901.8	935.3	970.7	983.6
3009.3	40°	2842.6	2338.6	1252.6	943.0	892.2	840.0	838.1	862.6	897.3	911.5
3335.0	42.5°	3112.3	2457.7	1156.7	896.0	833.0	779.5	776.3	795.6	825.9	840.7
3765.0	45°	3457.3	2603.8	1074.3	859.3	775.0	722.2	720.9	737.0	763.4	778.9
4315.4	47.5°	3936.9	2749.9	1018.3	840.0	729.3	675.2	677.8	692.0	715.8	726.7
5028.0	50°	4561.9	2794.3	990.0	840.0	704.9	633.4	646.3	657.9	675.9	682.3
5882.2	52.5°	5161.9	2647.6	964.3	845.2	708.1	598.0	625.7	634.0	649.5	652.1
6673.9	55°	5456.0	2276.1	928.9	846.5	728.0	567.7	608.9	624.4	630.2	629.5
7133.5	57.5°	5355.0	1840.3	869.0	841.3	741.5	548.4	588.3	618.0	621.8	616.0
7046.0	60°	5000.3	1355.0	823.3	803.3	736.4	542.6	556.8	603.8	609.6	601.9
6371.4	62.5°	4405.5	940.5	787.9	719.7	713.9	540.7	507.2	572.9	587.1	576.1
5121.3	65°	3468.3	664.3	678.5	630.8	664.9	530.4	455.7	535.6	554.9	538.1
3715.5	67.5°	2346.9	479.6	549.7	571.6	585.8	507.2	418.4	493.1	518.8	496.9
2384.3	70°	1267.5	336.7	363.0	481.5	497.6	467.3	384.9	449.9	479.6	455.7
1694.9	72.5°	748.6	242.0	254.3	386.9	414.5	411.3	347.6	399.7	435.8	407.5
1169.6	75°	412.6	163.5	181.5	280.7	336.7	317.3	298.7	338.6	375.3	347.6
733.2	77.5°	184.7	97.8	126.2	184.1	264.6	217.6	231.1	263.9	298.0	269.1
408.1	80°	71.5	54.7	83.7	100.4	192.5	120.4	148.7	194.4	218.9	195.7
88.8	82.5°	9.0	24.5	36.0	39.3	112.0	63.7	86.3	122.3	120.4	104.3
0.0	85°	0.0	4.5	5.1	2.6	48.3	23.2	28.3	39.9	37.3	28.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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°
1293.8	0°	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8
1158.7	2.5°	1127.1	1104.0	1092.4	1082.7	1091.7	1096.9	1096.9	1118.8	1131.6	1136.8
1049.9	5°	993.2	950.1	921.1	903.8	909.6	916.0	923.1	950.8	969.4	981.6
974.6	7.5°	887.7	822.0	781.5	760.2	763.4	767.9	773.7	800.8	819.4	835.5
960.4	10°	835.5	742.8	689.4	663.7	659.2	656.6	654.6	670.7	684.9	697.8
1018.3	12.5°	838.1	708.7	643.7	612.2	598.6	583.2	571.0	573.5	582.6	598.6
1122.0	15°	870.9	697.8	619.9	580.6	558.1	540.1	525.3	522.0	525.3	527.8
1240.4	17.5°	915.3	696.5	599.3	550.4	527.2	512.4	498.9	494.4	495.0	498.2
1318.9	20°	950.8	692.6	576.1	521.4	500.8	487.9	474.4	469.9	471.2	471.8
1326.7	22.5°	969.4	686.8	550.4	492.4	475.1	462.2	449.9	449.3	449.3	453.2
1284.8	25°	969.4	674.6	527.2	464.8	449.3	437.7	422.9	425.5	426.8	431.9
1219.8	27.5°	946.2	651.4	508.5	440.9	424.8	413.3	399.7	403.0	404.9	410.7
1155.4	30°	916.6	623.7	487.3	418.4	399.7	391.4	379.8	381.1	383.6	390.1
1095.6	32.5°	885.1	590.9	469.9	395.9	377.2	370.8	357.9	359.8	362.4	369.5
1036.4	35°	850.3	552.3	449.3	375.3	356.6	351.5	336.7	337.9	341.8	349.5
972.6	37.5°	813.6	520.8	428.7	355.3	336.0	330.9	315.4	316.7	321.2	330.2
905.7	40°	777.6	489.9	406.8	334.1	314.8	310.3	293.5	294.8	300.0	309.6
838.1	42.5°	738.3	466.0	378.5	312.2	291.6	287.1	271.6	273.6	279.4	289.0
775.7	45°	691.3	450.6	347.0	291.6	268.4	263.9	249.8	253.6	260.1	269.7
722.2	47.5°	643.1	444.2	320.6	269.7	244.6	240.7	229.2	235.6	242.7	250.4
676.5	50°	596.7	435.8	293.5	249.1	224.0	220.1	212.4	220.8	227.9	235.0
643.7	52.5°	543.9	417.8	269.1	231.1	206.6	205.3	201.5	209.2	215.6	222.1
615.4	55°	489.2	388.8	247.8	215.0	191.8	193.1	191.2	197.6	202.8	208.6
589.6	57.5°	441.6	352.1	231.1	197.6	178.9	182.8	180.2	183.5	186.7	193.8
558.7	60°	393.3	308.3	212.4	177.0	166.1	170.6	163.5	162.9	164.1	166.1
513.0	62.5°	328.3	262.6	189.2	159.0	151.9	153.8	140.3	130.0	130.0	132.0
449.3	65°	263.9	220.1	163.5	138.4	132.6	131.3	112.0	97.8	96.6	102.3
375.3	67.5°	216.9	182.8	137.8	115.2	111.4	112.6	98.5	84.3	83.0	89.5
305.8	70°	179.6	147.4	110.1	88.8	92.7	98.5	84.3	70.8	68.9	74.7
248.5	72.5°	142.9	115.2	84.3	65.7	76.6	83.7	68.9	56.0	54.7	59.9
191.8	75°	104.9	82.4	57.3	47.6	59.2	65.7	50.2	39.9	38.0	42.5
128.1	77.5°	65.0	46.3	36.0	28.3	40.6	43.8	26.4	23.2	22.5	25.7
77.9	80°	30.3	20.0	17.4	9.7	14.8	17.4	10.9	12.2	12.9	15.4
39.3	82.5°	8.4	3.2	0.6	0.0	0.0	5.1	2.6	5.1	6.4	9.7
3.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2	5.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°
1293.8	0°	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8	1293.8
1172.8	2.5°	1199.9	1225.6	1266.8	1309.3	1351.1	1393.6	1434.8	1449.6
1037.7	5°	1088.5	1147.7	1229.5	1317.0	1407.1	1498.5	1582.2	1620.2
898.0	7.5°	964.3	1049.2	1172.2	1309.3	1452.8	1596.4	1728.3	1789.5
759.6	10°	831.7	939.2	1079.5	1264.9	1470.9	1669.1	1850.6	1929.8
637.9	12.5°	705.5	818.1	973.3	1195.4	1456.7	1711.0	1929.2	2022.5
552.3	15°	599.9	699.7	867.1	1113.0	1411.0	1713.5	1966.5	2068.9
504.7	17.5°	520.8	585.8	758.9	1021.6	1351.1	1689.7	1979.4	2088.8
478.9	20°	481.5	499.5	618.6	904.4	1295.1	1667.2	1992.3	2107.5
458.3	22.5°	458.3	462.8	506.0	753.1	1228.2	1660.1	2014.8	2133.2
439.6	25°	439.6	440.9	452.5	596.7	1125.8	1655.6	2049.6	2168.6
420.3	27.5°	421.0	421.0	427.4	480.8	986.8	1636.3	2094.6	2211.1
401.0	30°	402.3	402.3	406.8	425.5	823.9	1598.3	2148.7	2266.5
381.7	32.5°	383.0	383.0	386.9	400.4	657.9	1550.7	2198.2	2322.5
361.8	35°	363.7	362.4	367.6	381.7	523.3	1490.2	2247.8	2383.0
341.8	37.5°	343.1	342.5	347.6	363.7	451.9	1420.0	2285.1	2465.4
321.9	40°	321.2	321.2	327.0	344.4	431.3	1331.8	2344.4	2583.8
301.3	42.5°	301.3	300.0	306.4	327.6	415.8	1247.5	2450.6	2756.3
282.6	45°	281.9	279.4	285.2	311.6	388.8	1217.9	2648.8	3011.2
264.6	47.5°	263.9	257.5	262.6	292.2	364.3	1328.6	2973.3	3364.6
248.5	50°	249.1	236.9	241.4	272.9	345.7	1568.7	3394.3	3833.9
233.7	52.5°	233.7	217.6	220.1	249.1	328.9	1797.2	3850.6	4453.1
218.9	55°	217.6	199.5	200.8	225.3	305.1	1831.3	4296.1	5297.7
202.1	57.5°	199.5	182.8	182.8	203.4	287.7	1587.4	4638.5	6345.6
181.5	60°	179.6	168.7	165.4	186.0	303.2	1120.0	4678.4	7021.5
155.1	62.5°	157.7	151.9	147.4	169.3	314.8	663.7	4357.2	6858.0
122.3	65°	132.6	131.3	128.1	186.0	265.2	392.0	3740.6	6356.6
104.3	67.5°	111.4	109.4	109.4	195.0	201.5	246.5	2922.4	5666.5
88.8	70°	95.9	88.8	88.8	147.4	122.3	170.6	2040.5	4921.8
73.4	72.5°	80.5	72.7	67.6	117.8	91.4	124.9	1275.2	4215.0
56.0	75°	64.4	58.6	52.1	77.9	68.2	94.6	740.9	3492.1
35.4	77.5°	46.3	43.8	36.7	57.3	49.6	68.2	440.9	2694.5
21.9	80°	23.8	24.5	23.2	32.8	33.5	46.3	251.0	1844.2
14.2	82.5°	14.2	10.9	12.2	16.1	19.3	26.4	94.6	1084.0
10.3	85°	9.0	5.8	5.8	7.7	9.7	10.3	29.0	439.6
5.1	87.5°	4.5	1.9	2.6	3.9	3.2	2.6	1.3	110.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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