

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: P947865

Luminaire Tested: **GALN-SB3A-830-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947865  
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-830-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

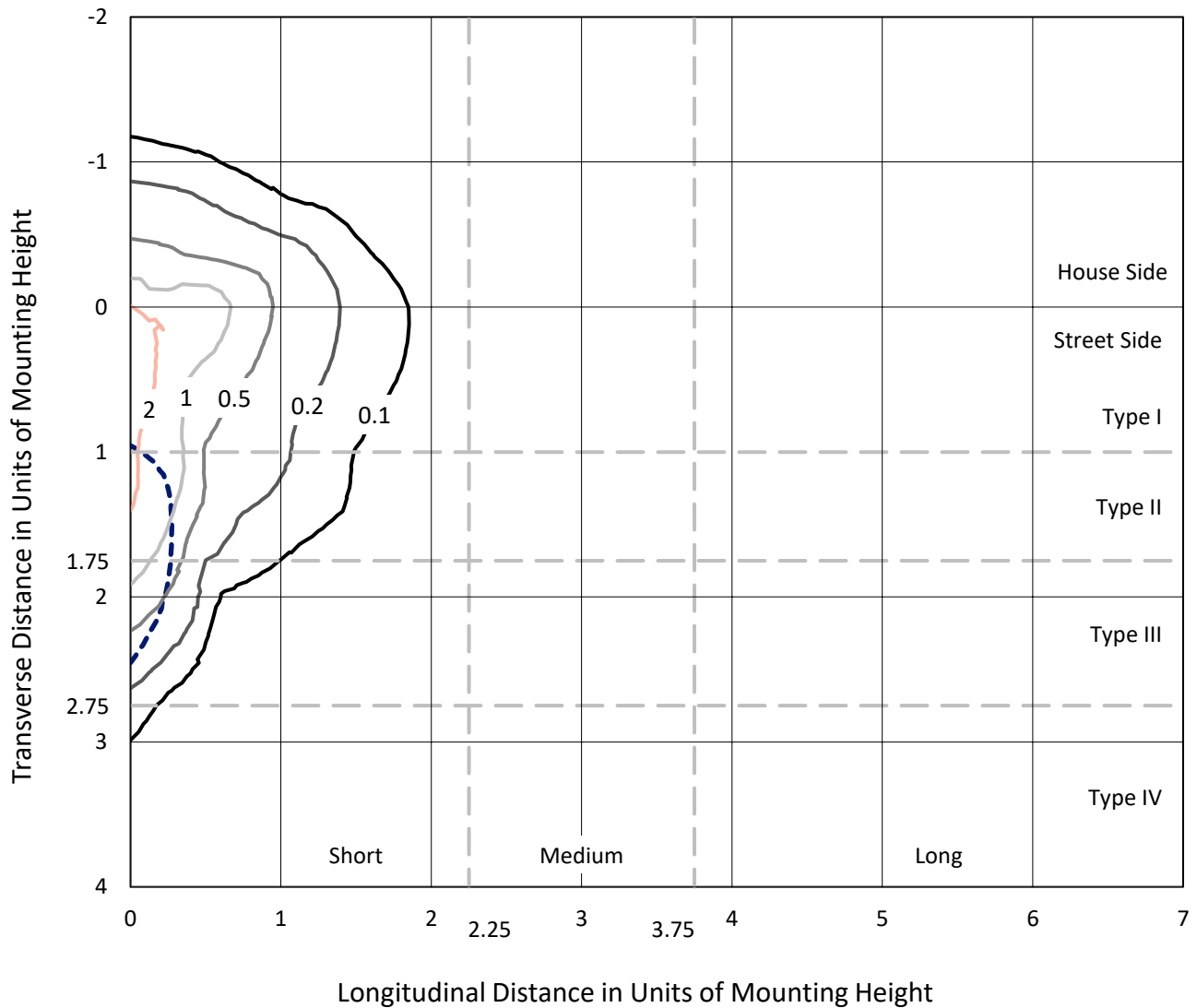
Lumens per Lamp: N/A  
Luminaire Lumens: 9230 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

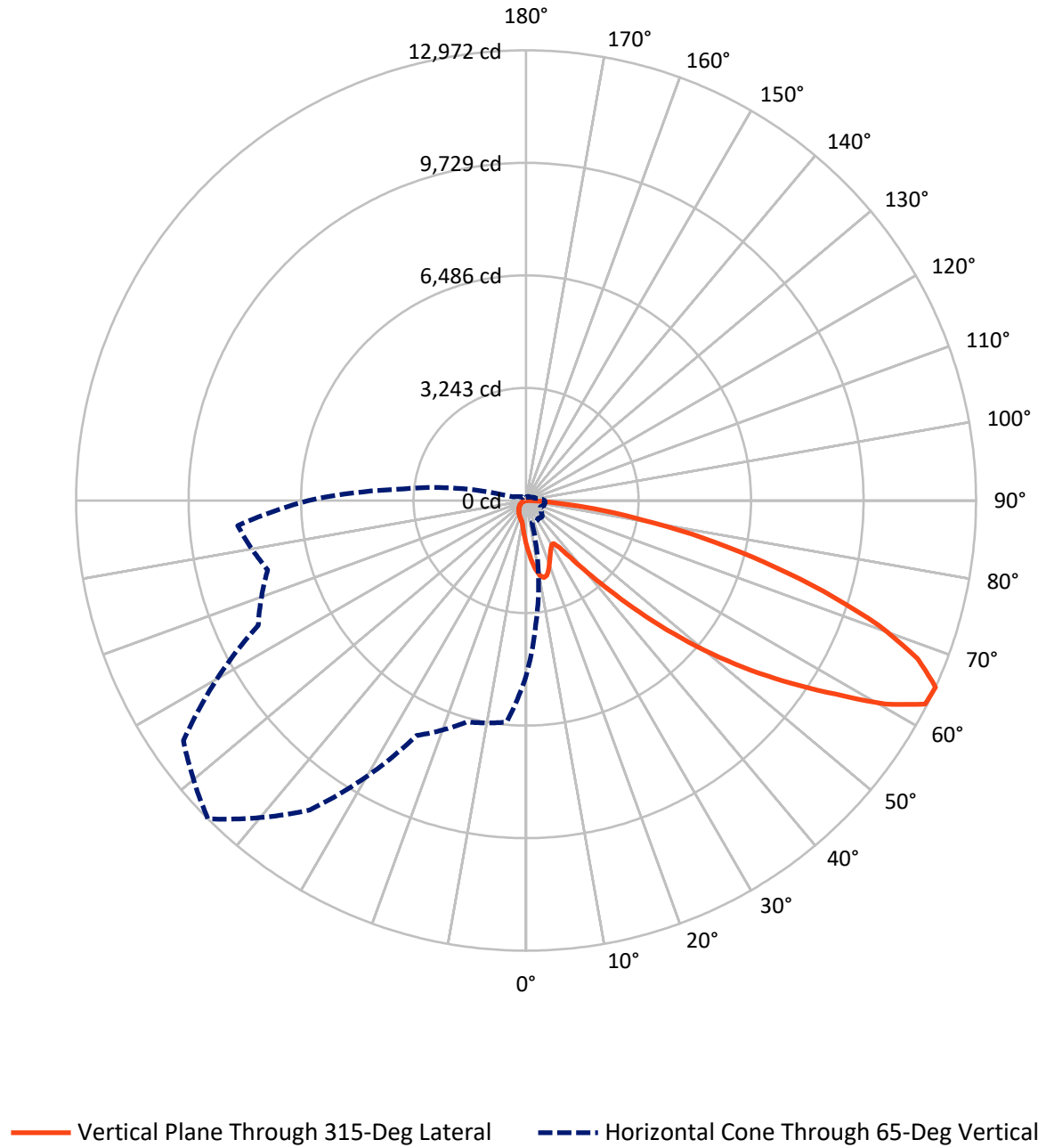
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1292.6	0.0	1292.6
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	7937.4	0.0	7937.4
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	9230.0	0.0	9230.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.8	1.4
10°-20°	377.2	4.1
20°-30°	555.7	6.0
30°-40°	713.9	7.7
40°-50°	1154.6	12.5
50°-60°	2024.7	21.9
60°-70°	2533.5	27.4
70°-80°	1480.4	16.0
80°-90°	264.1	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°	9230.0	100.0
0°-180°	9230.0	100.0

**Coefficient of Utilization**



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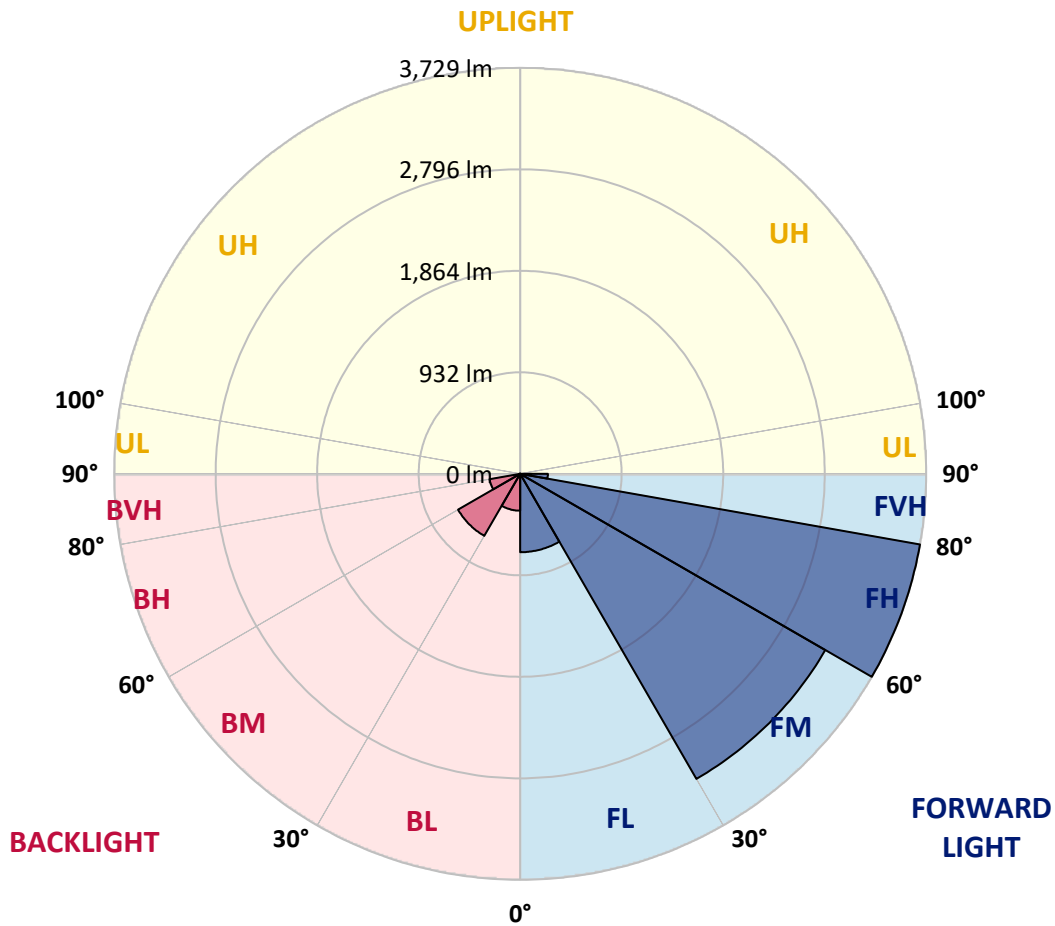
CATALOG NUMBER: GALN-SB3A-830-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.9	7.8			
FM (30°-60°)	3235.0	35.0			
FH (60°-80°)	3728.5	40.4			G2/5000
FVH (80°-90°)	254.0	2.8			G3/500
BL (0°-30°)	338.8	3.7	B1/500		
BM (30°-60°)	658.2	7.1	B1/1000		
BH (60°-80°)	285.4	3.1	B1/500		G1/500
BVH (80°-90°)	10.1	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1
2.5°	1444.0	1419.2	1404.6	1368.4	1332.1	1302.9	1263.4	1237.4	1206.2	1176.3
5°	1609.3	1569.3	1521.0	1454.8	1394.4	1332.7	1273.0	1213.8	1151.5	1094.3
7.5°	1749.2	1691.4	1606.2	1518.4	1441.5	1367.1	1297.1	1218.9	1143.3	1053.6
10°	1856.0	1782.3	1670.4	1555.3	1466.9	1391.9	1323.8	1257.7	1181.4	1073.3
12.5°	1920.9	1842.1	1709.2	1574.4	1473.3	1389.3	1336.6	1307.3	1277.4	1170.0
15°	1968.6	1883.4	1736.5	1587.7	1458.6	1355.6	1316.8	1346.1	1380.4	1311.8
17.5°	2018.2	1928.5	1772.1	1593.4	1419.2	1290.1	1273.6	1349.3	1428.8	1425.6
20°	2065.2	1976.2	1803.3	1589.6	1355.6	1210.7	1225.3	1321.9	1414.1	1452.9
22.5°	2119.3	2025.2	1833.2	1575.0	1273.0	1136.3	1182.0	1278.7	1359.4	1405.2
25°	2185.4	2086.9	1875.1	1553.4	1184.0	1074.6	1138.2	1228.5	1294.0	1325.7
27.5°	2256.6	2160.6	1931.1	1541.9	1112.1	1030.7	1088.6	1168.7	1227.2	1249.4
30°	2345.0	2246.5	1997.2	1529.2	1065.0	1005.3	1037.1	1099.4	1156.6	1178.9
32.5°	2441.7	2341.8	2060.8	1498.7	1036.4	986.2	986.8	1026.3	1078.4	1105.1
35°	2562.5	2456.3	2128.8	1431.9	1013.5	963.9	937.9	957.0	1000.2	1032.0
37.5°	2734.8	2606.4	2212.1	1336.6	979.8	929.6	886.4	890.8	923.9	958.9
40°	2972.6	2807.9	2310.0	1237.4	931.5	881.3	829.8	827.9	852.0	886.4
42.5°	3294.3	3074.3	2427.7	1142.6	885.1	822.8	770.0	766.8	785.9	815.8
45°	3719.1	3415.2	2572.0	1061.2	848.9	765.6	713.4	712.2	728.0	754.1
47.5°	4262.7	3888.9	2716.4	1005.9	829.8	720.4	667.0	669.6	683.5	707.1
50°	4966.6	4506.3	2760.2	977.9	829.8	696.3	625.7	638.4	649.8	667.6
52.5°	5810.4	5098.9	2615.3	952.5	834.9	699.4	590.7	618.0	626.3	641.6
55°	6592.5	5389.5	2248.4	917.5	836.1	719.1	560.8	601.5	616.8	622.5
57.5°	7046.5	5289.6	1817.9	858.4	831.1	732.5	541.7	581.2	610.4	614.2
60°	6960.0	4939.3	1338.5	813.3	793.5	727.4	536.0	550.0	596.4	602.2
62.5°	6293.6	4351.8	929.0	778.3	710.9	705.2	534.1	501.1	565.9	579.9
65°	5058.8	3426.0	656.2	670.2	623.1	656.8	523.9	450.2	529.0	548.1
67.5°	3670.1	2318.3	473.7	543.0	564.6	578.6	501.1	413.3	487.1	512.5
70°	2355.2	1252.0	332.5	358.6	475.6	491.5	461.6	380.2	444.5	473.7
72.5°	1674.2	739.5	239.1	251.2	382.1	409.5	406.3	343.4	394.9	430.5
75°	1155.3	407.6	161.5	179.3	277.2	332.5	313.5	295.0	334.5	370.7
77.5°	724.2	182.5	96.6	124.6	181.9	261.3	214.9	228.3	260.7	294.4
80°	403.1	70.6	54.0	82.7	99.2	190.1	118.9	146.9	192.0	216.2
82.5°	87.7	8.9	24.2	35.6	38.8	110.6	62.9	85.2	120.8	118.9
85°	0.0	0.0	4.5	5.1	2.5	47.7	22.9	28.0	39.4	36.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°
1278.1	0°	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1
1149.6	2.5°	1144.5	1113.4	1090.5	1079.0	1069.5	1078.4	1083.5	1083.5	1105.1	1117.8
1059.3	5°	1037.1	981.1	938.5	909.9	892.7	898.5	904.8	911.8	939.2	957.6
1005.9	7.5°	962.7	876.8	812.0	771.9	750.9	754.1	758.6	764.3	791.0	809.4
1013.5	10°	948.7	825.3	733.8	681.0	655.6	651.1	648.6	646.7	662.6	676.5
1100.0	12.5°	1005.9	827.9	700.1	635.9	604.7	591.3	576.1	564.0	566.5	575.4
1231.0	15°	1108.3	860.3	689.3	612.3	573.5	551.3	533.5	518.9	515.7	518.9
1345.5	17.5°	1225.3	904.2	688.0	592.0	543.7	520.8	506.1	492.8	488.3	489.0
1409.7	20°	1302.9	939.2	684.2	569.1	515.0	494.7	482.0	468.6	464.2	465.4
1391.9	22.5°	1310.5	957.6	678.5	543.7	486.4	469.3	456.5	444.5	443.8	443.8
1325.1	25°	1269.2	957.6	666.4	520.8	459.1	443.8	432.4	417.8	420.3	421.6
1249.4	27.5°	1204.9	934.7	643.5	502.3	435.6	419.7	408.2	394.9	398.0	400.0
1178.9	30°	1141.4	905.5	616.1	481.3	413.3	394.9	386.6	375.2	376.4	379.0
1108.9	32.5°	1082.2	874.3	583.7	464.2	391.0	372.6	366.2	353.5	355.4	358.0
1040.3	35°	1023.7	840.0	545.6	443.8	370.7	352.3	347.2	332.5	333.8	337.6
971.6	37.5°	960.8	803.7	514.4	423.5	351.0	331.9	326.8	311.6	312.8	317.3
900.4	40°	894.6	768.1	483.9	401.9	330.0	310.9	306.5	289.9	291.2	296.3
830.4	42.5°	827.9	729.3	460.4	373.9	308.4	288.0	283.6	268.3	270.2	276.0
769.4	45°	766.2	682.9	445.1	342.7	288.0	265.1	260.7	246.7	250.5	256.9
717.9	47.5°	713.4	635.2	438.7	316.7	266.4	241.6	237.8	226.4	232.7	239.7
674.0	50°	668.3	589.4	430.5	289.9	246.1	221.3	217.5	209.8	218.1	225.1
644.1	52.5°	635.9	537.3	412.7	265.8	228.3	204.1	202.8	199.0	206.7	213.0
621.9	55°	607.9	483.2	384.1	244.8	212.4	189.5	190.8	188.8	195.2	200.3
608.5	57.5°	582.4	436.2	347.8	228.3	195.2	176.8	180.6	178.0	181.2	184.4
594.5	60°	551.9	388.5	304.6	209.8	174.9	164.0	168.5	161.5	160.9	162.1
569.1	62.5°	506.8	324.3	259.4	186.9	157.1	150.1	152.0	138.6	128.4	128.4
531.6	65°	443.8	260.7	217.5	161.5	136.7	131.0	129.7	110.6	96.6	95.4
490.9	67.5°	370.7	214.3	180.6	136.1	113.8	110.0	111.3	97.3	83.3	82.0
450.2	70°	302.0	177.4	145.6	108.7	87.7	91.6	97.3	83.3	69.9	68.0
402.5	72.5°	245.4	141.2	113.8	83.3	64.9	75.7	82.7	68.0	55.3	54.0
343.4	75°	189.5	103.6	81.4	56.6	47.1	58.5	64.9	49.6	39.4	37.5
265.8	77.5°	126.5	64.2	45.8	35.6	28.0	40.1	43.2	26.1	22.9	22.3
193.3	80°	76.9	29.9	19.7	17.2	9.5	14.6	17.2	10.8	12.1	12.7
103.0	82.5°	38.8	8.3	3.2	0.6	0.0	0.0	5.1	2.5	5.1	6.4
28.0	85°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2
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°
1278.1	0°	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1
1122.9	2.5°	1158.5	1185.2	1210.7	1251.4	1293.3	1334.7	1376.6	1417.3	1431.9	1442.7
969.7	5°	1025.0	1075.2	1133.7	1214.5	1301.0	1390.0	1480.3	1562.9	1600.4	1625.9
825.3	7.5°	887.0	952.5	1036.4	1157.9	1293.3	1435.1	1576.9	1707.3	1767.7	1816.6
689.3	10°	750.3	821.5	927.7	1066.3	1249.4	1452.9	1648.8	1828.1	1906.3	1968.0
591.3	12.5°	630.1	696.9	808.2	961.4	1180.8	1438.9	1690.1	1905.6	1997.8	2067.2
521.4	15°	545.6	592.6	691.2	856.5	1099.4	1393.8	1692.6	1942.5	2043.6	2116.1
492.1	17.5°	498.5	514.4	578.6	749.7	1009.1	1334.7	1669.1	1955.2	2063.3	2130.7
466.1	20°	473.1	475.6	493.4	611.1	893.4	1279.3	1646.9	1968.0	2081.8	2138.4
447.6	22.5°	452.7	452.7	457.2	499.8	743.9	1213.2	1639.9	1990.2	2107.2	2142.2
426.7	25°	434.3	434.3	435.6	447.0	589.4	1112.1	1635.4	2024.5	2142.2	2151.7
405.7	27.5°	415.2	415.8	415.8	422.2	475.0	974.8	1616.3	2069.1	2184.1	2164.4
385.3	30°	396.1	397.4	397.4	401.9	420.3	813.9	1578.8	2122.5	2238.8	2181.0
365.0	32.5°	377.1	378.3	378.3	382.1	395.5	649.8	1531.8	2171.4	2294.1	2188.0
345.3	35°	357.3	359.3	358.0	363.1	377.1	516.9	1472.0	2220.4	2353.9	2210.2
326.2	37.5°	337.6	338.9	338.3	343.4	359.3	446.4	1402.7	2257.3	2435.3	2259.8
305.8	40°	317.9	317.3	317.3	323.0	340.2	426.0	1315.6	2315.8	2552.3	2346.9
285.5	42.5°	297.6	297.6	296.3	302.7	323.6	410.8	1232.3	2420.7	2722.7	2485.5
266.4	45°	279.1	278.5	276.0	281.7	307.8	384.1	1203.0	2616.5	2974.5	2710.0
247.3	47.5°	261.3	260.7	254.3	259.4	288.7	359.9	1312.4	2937.0	3323.6	3040.0
232.1	50°	245.4	246.1	234.0	238.4	269.6	341.5	1549.6	3352.8	3787.1	3484.5
219.4	52.5°	230.8	230.8	214.9	217.5	246.1	324.9	1775.3	3803.7	4398.8	4104.4
206.0	55°	216.2	214.9	197.1	198.4	222.5	301.4	1809.0	4243.7	5233.1	5037.2
191.4	57.5°	199.7	197.1	180.6	180.6	200.9	284.2	1568.0	4581.9	6268.2	6408.1
164.0	60°	179.3	177.4	166.6	163.4	183.8	299.5	1106.4	4621.4	6935.9	8231.1
130.3	62.5°	153.2	155.8	150.1	145.6	167.2	310.9	655.6	4304.1	6774.4	8811.0
101.1	65°	120.8	131.0	129.7	126.5	183.8	262.0	387.2	3694.9	6279.0	8343.0
88.4	67.5°	103.0	110.0	108.1	108.1	192.7	199.0	243.5	2886.8	5597.4	7787.9
73.8	70°	87.7	94.7	87.7	87.7	145.6	120.8	168.5	2015.6	4861.7	7173.7
59.1	72.5°	72.5	79.5	71.9	66.8	116.4	90.3	123.4	1259.6	4163.5	6534.0
42.0	75°	55.3	63.6	57.9	51.5	76.9	67.4	93.5	731.9	3449.5	5590.4
25.4	77.5°	35.0	45.8	43.2	36.2	56.6	49.0	67.4	435.6	2661.7	4368.3
15.3	80°	21.6	23.5	24.2	22.9	32.4	33.1	45.8	248.0	1821.7	3044.5
9.5	82.5°	14.0	14.0	10.8	12.1	15.9	19.1	26.1	93.5	1070.8	1853.5
5.7	85°	10.2	8.9	5.7	5.7	7.6	9.5	10.2	28.6	434.3	731.9
2.5	87.5°	5.1	4.5	1.9	2.5	3.8	3.2	2.5	1.3	109.4	234.0
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°
1278.1	0°	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1	1278.1
1466.9	2.5°	1479.6	1499.3	1500.6	1500.6	1483.4	1482.8	1447.8	1444.0
1683.1	5°	1742.2	1754.9	1758.1	1751.8	1717.4	1692.0	1624.0	1609.3
1903.7	7.5°	1982.6	2008.0	2008.0	1992.8	1936.8	1884.7	1786.1	1749.2
2086.2	10°	2174.6	2203.9	2197.5	2166.3	2095.8	2023.9	1904.4	1856.0
2196.9	12.5°	2268.1	2298.0	2281.4	2245.8	2177.2	2101.5	1975.6	1920.9
2228.7	15°	2266.2	2257.9	2240.7	2236.3	2203.2	2146.0	2028.4	1968.6
2208.9	17.5°	2185.4	2115.5	2102.1	2146.6	2188.6	2174.6	2074.1	2018.2
2161.9	20°	2057.6	1935.5	1923.4	2008.7	2128.2	2189.2	2116.7	2065.2
2093.9	22.5°	1922.8	1791.2	1763.2	1857.3	2037.3	2193.7	2170.8	2119.3
2018.8	25°	1795.0	1662.7	1634.8	1722.5	1936.2	2186.1	2229.3	2185.4
1947.0	27.5°	1688.2	1560.4	1534.3	1622.1	1838.9	2164.4	2287.8	2256.6
1875.8	30°	1605.5	1487.3	1468.2	1552.7	1754.9	2137.7	2362.2	2345.0
1809.6	32.5°	1557.2	1470.7	1477.7	1547.0	1709.8	2108.5	2433.4	2441.7
1777.2	35°	1604.9	1608.7	1669.7	1698.4	1751.8	2104.0	2530.0	2562.5
1816.0	37.5°	1842.1	1974.3	2100.9	2077.3	1957.1	2155.5	2674.4	2734.8
1985.1	40°	2245.8	2517.3	2722.7	2633.1	2330.4	2313.2	2882.3	2972.6
2285.2	42.5°	2739.2	3199.6	3537.9	3297.5	2811.7	2589.2	3179.3	3294.3
2648.3	45°	3260.0	4040.8	4573.7	4073.9	3324.9	2975.8	3628.8	3719.1
2988.5	47.5°	3808.7	5063.3	5752.5	4934.8	3800.5	3415.8	4241.8	4262.7
3310.9	50°	4409.0	6184.3	6954.3	5795.1	4259.6	3920.0	4990.8	4966.6
3686.7	52.5°	4980.6	7337.1	8130.6	6659.3	4662.7	4545.7	5860.0	5810.4
4200.4	55°	5526.2	8489.2	9313.9	7489.7	5042.9	5372.3	6892.6	6592.5
4941.2	57.5°	6158.8	9525.0	10533.5	8323.9	5574.5	6445.6	8047.3	7046.5
6359.8	60°	7094.2	10702.0	11912.7	9467.2	6585.5	7573.6	8461.3	6960.0
8058.8	62.5°	8288.3	11784.2	12915.4	10587.5	7601.0	7786.0	7851.5	6293.6
7712.2	65°	8520.4	12058.3	12972.0	10887.0	7470.0	6604.6	6410.0	5058.8
6888.8	67.5°	7904.9	11562.9	12181.0	10329.4	6607.8	5104.0	4810.2	3670.1
6348.3	70°	7214.4	10618.7	10802.5	9381.3	5811.7	3754.1	3248.6	2355.2
5978.3	72.5°	6506.7	9359.1	8978.8	8147.2	5107.8	2733.5	2343.1	1674.2
5451.1	75°	5666.1	7702.7	7072.6	6769.3	4229.0	2145.4	1695.2	1155.3
4688.8	77.5°	4537.4	5421.9	5253.4	5247.0	3178.0	1567.4	1131.2	724.2
3663.1	80°	3200.9	3518.8	3433.0	3951.8	2132.0	1136.9	681.0	403.1
2549.8	82.5°	1549.6	1945.7	1997.2	2353.3	1037.1	668.9	157.1	87.7
997.0	85°	606.6	938.5	791.6	893.4	291.2	186.3	3.8	0.0
164.0	87.5°	68.0	108.7	99.8	78.8	35.6	7.6	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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