

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: P946353

Luminaire Tested: **GALN-SB2A-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946353
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-SB2A-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 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: 7243 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

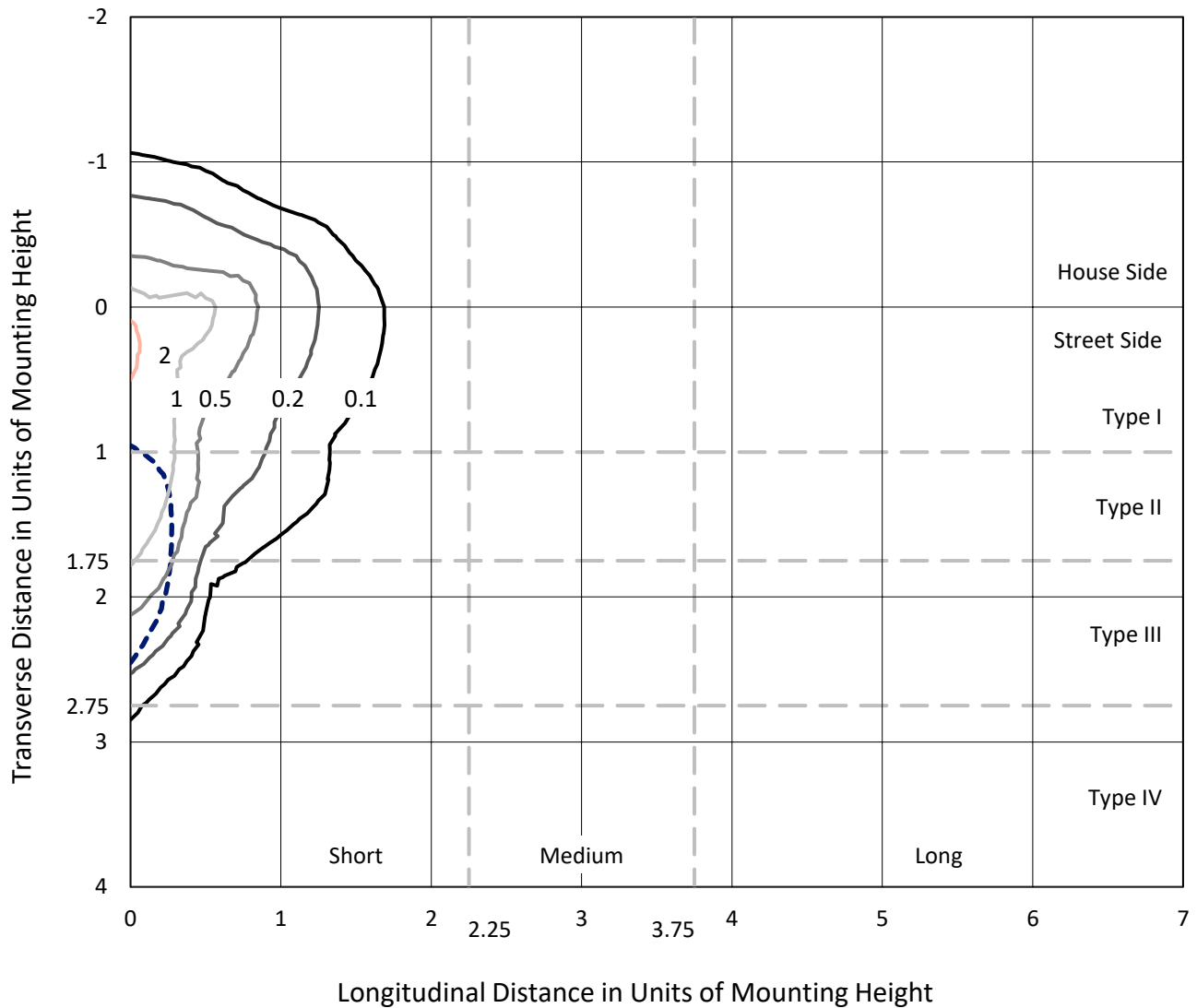
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

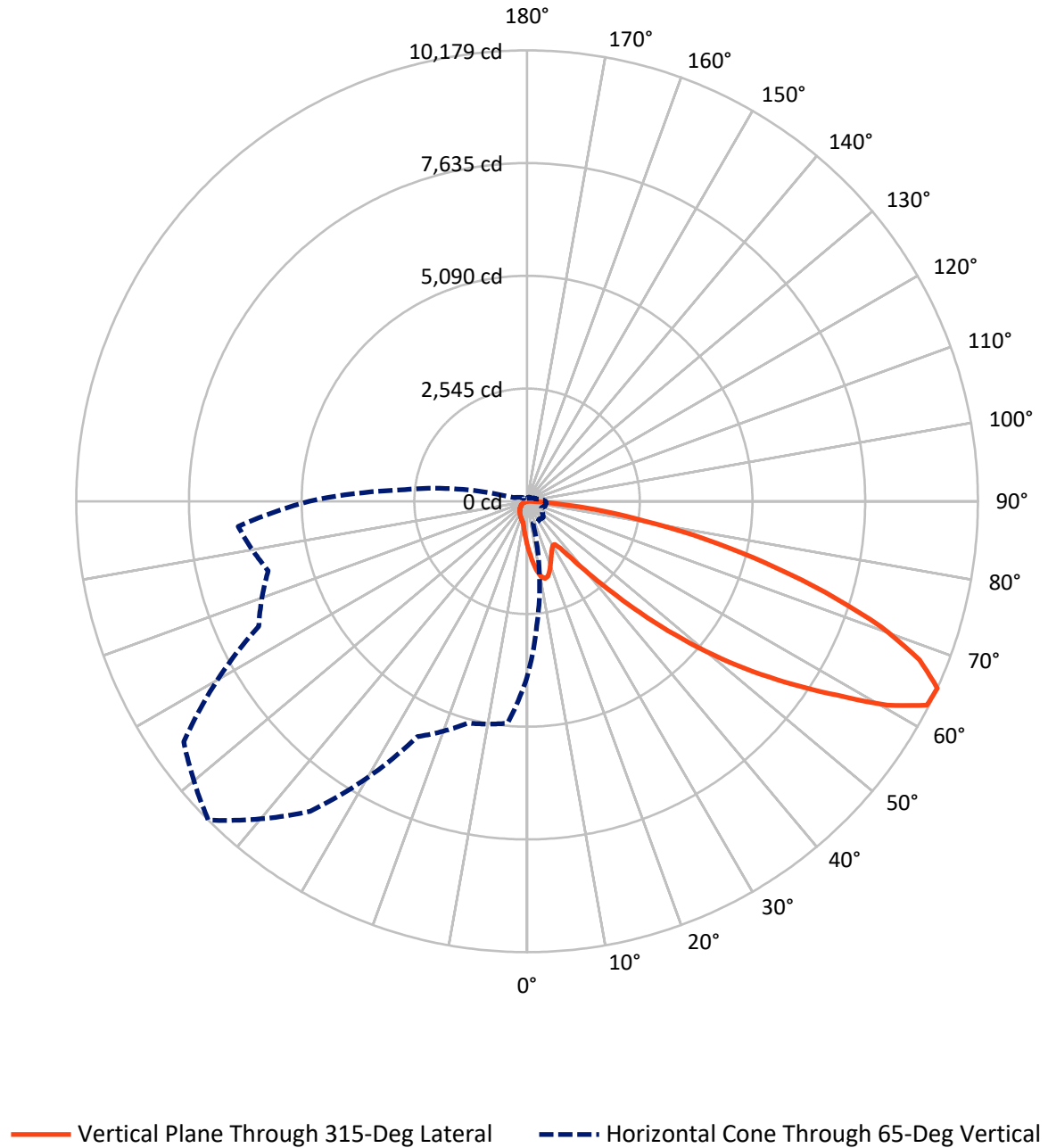
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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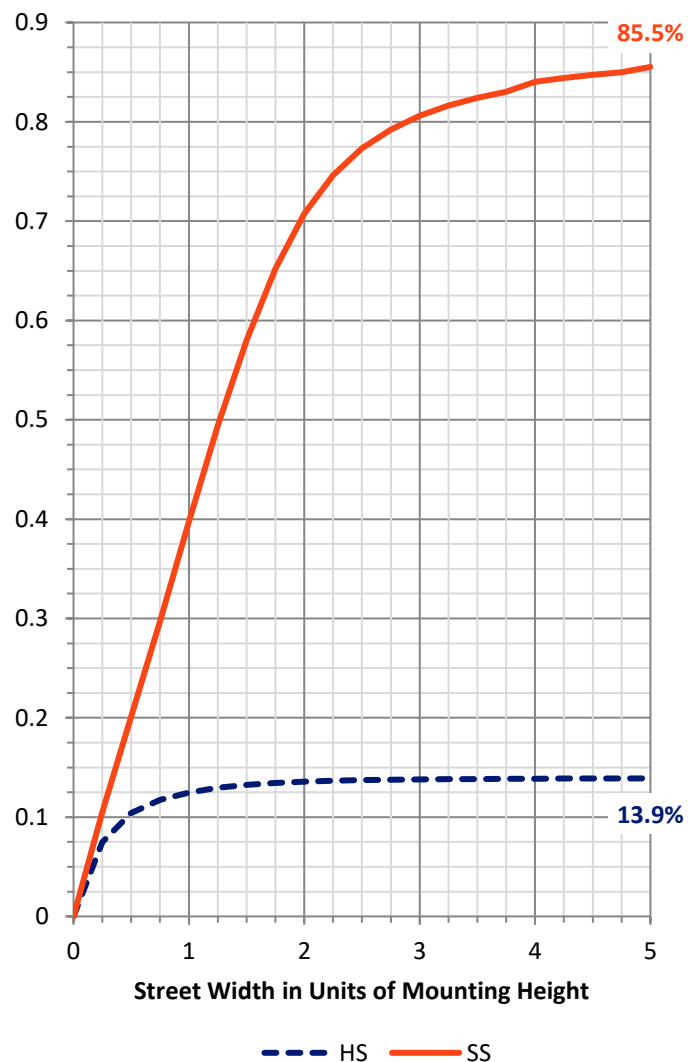
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1014.3	0.0	1014.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	6228.7	0.0	6228.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	7243.0	0.0	7243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.4
10°-20°	296.0	4.1
20°-30°	436.1	6.0
30°-40°	560.2	7.7
40°-50°	906.0	12.5
50°-60°	1588.8	21.9
60°-70°	1988.1	27.4
70°-80°	1161.7	16.0
80°-90°	207.3	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°	7243.0	100.0
0°-180°	7243.0	100.0

Coefficient of Utilization



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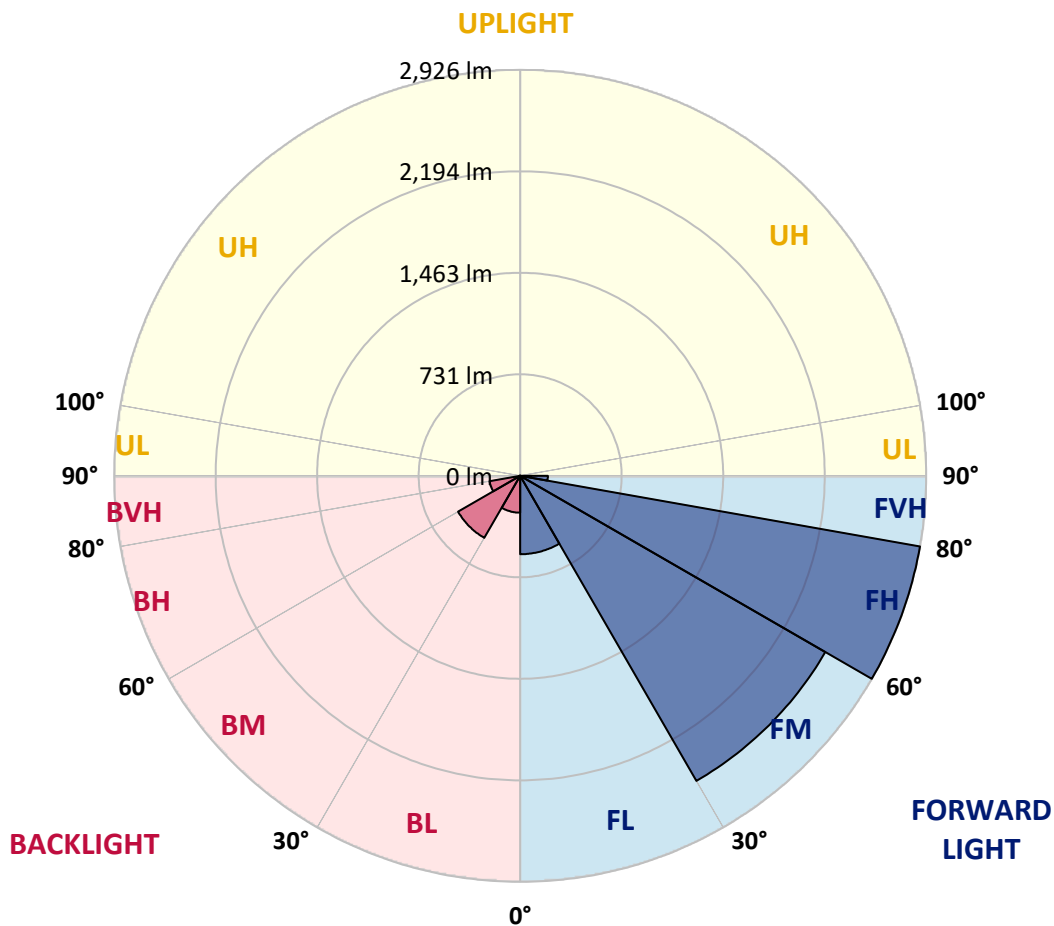
CATALOG NUMBER: GALN-SB2A-740-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.9	7.8			
FM (30°-60°)	2538.6	35.0			
FH (60°-80°)	2925.8	40.4			G2/5000
FVH (80°-90°)	199.3	2.8			G2/225
BL (0°-30°)	265.9	3.7	B1/500		
BM (30°-60°)	516.5	7.1	B1/1000		
BH (60°-80°)	224.0	3.1	B1/500		G1/500
BVH (80°-90°)	8.0	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°	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9
2.5°	1133.2	1113.7	1102.2	1073.8	1045.3	1022.4	991.4	971.0	946.5	923.1
5°	1262.9	1231.5	1193.5	1141.6	1094.2	1045.8	998.9	952.5	903.6	858.7
7.5°	1372.7	1327.3	1260.4	1191.5	1131.2	1072.8	1017.9	956.5	897.1	826.8
10°	1456.5	1398.6	1310.8	1220.5	1151.1	1092.2	1038.8	987.0	927.1	842.3
12.5°	1507.4	1445.5	1341.2	1235.4	1156.1	1090.2	1048.8	1025.9	1002.4	918.1
15°	1544.8	1477.9	1362.7	1245.9	1144.6	1063.8	1033.4	1056.3	1083.3	1029.4
17.5°	1583.7	1513.4	1390.6	1250.4	1113.7	1012.4	999.4	1058.8	1121.2	1118.7
20°	1620.6	1550.8	1415.1	1247.4	1063.8	950.0	961.5	1037.4	1109.7	1140.1
22.5°	1663.1	1589.2	1438.5	1235.9	998.9	891.7	927.6	1003.4	1066.8	1102.7
25°	1714.9	1637.6	1471.5	1219.0	929.1	843.3	893.2	964.0	1015.4	1040.3
27.5°	1770.8	1695.5	1515.4	1210.0	872.7	808.8	854.2	917.1	963.0	980.5
30°	1840.2	1762.9	1567.3	1200.0	835.8	788.9	813.8	862.7	907.6	925.1
32.5°	1916.0	1837.7	1617.2	1176.1	813.3	773.9	774.4	805.3	846.2	867.2
35°	2010.8	1927.5	1670.5	1123.7	795.4	756.4	736.0	750.9	784.9	809.8
37.5°	2146.1	2045.3	1735.9	1048.8	768.9	729.5	695.6	699.1	725.0	752.4
40°	2332.7	2203.4	1812.7	971.0	731.0	691.6	651.2	649.7	668.6	695.6
42.5°	2585.1	2412.5	1905.1	896.6	694.6	645.7	604.2	601.8	616.7	640.2
45°	2918.5	2680.0	2018.3	832.8	666.1	600.8	559.8	558.8	571.3	591.8
47.5°	3345.1	3051.7	2131.6	789.4	651.2	565.3	523.4	525.4	536.4	554.9
50°	3897.4	3536.2	2166.0	767.4	651.2	546.4	491.0	501.0	509.9	523.9
52.5°	4559.6	4001.2	2052.3	747.5	655.1	548.9	463.5	485.0	491.5	503.5
55°	5173.3	4229.2	1764.3	720.0	656.1	564.3	440.1	472.0	484.0	488.5
57.5°	5529.6	4150.9	1426.5	673.6	652.1	574.8	425.1	456.1	479.0	482.0
60°	5461.7	3876.0	1050.3	638.2	622.7	570.8	420.6	431.6	468.0	472.5
62.5°	4938.8	3414.9	729.0	610.7	557.8	553.4	419.1	393.2	444.1	455.1
65°	3969.8	2688.4	514.9	525.9	489.0	515.4	411.1	353.3	415.1	430.1
67.5°	2880.0	1819.2	371.7	426.1	443.1	454.1	393.2	324.3	382.2	402.2
70°	1848.2	982.5	261.0	281.4	373.2	385.7	362.3	298.4	348.8	371.7
72.5°	1313.8	580.3	187.6	197.1	299.9	321.3	318.8	269.4	309.9	337.8
75°	906.6	319.8	126.7	140.7	217.5	261.0	246.0	231.5	262.5	290.9
77.5°	568.3	143.2	75.8	97.8	142.7	205.1	168.7	179.1	204.6	231.0
80°	316.3	55.4	42.4	64.9	77.8	149.2	93.3	115.3	150.7	169.6
82.5°	68.9	7.0	19.0	27.9	30.4	86.8	49.4	66.9	94.8	93.3
85°	0.0	0.0	3.5	4.0	2.0	37.4	18.0	22.0	30.9	28.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°
1002.9	0°	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9
902.1	2.5°	898.1	873.7	855.7	846.7	839.3	846.2	850.2	850.2	867.2	877.2
831.3	5°	813.8	769.9	736.5	714.0	700.5	705.0	710.0	715.5	737.0	751.4
789.4	7.5°	755.4	688.1	637.2	605.7	589.3	591.8	595.3	599.8	620.7	635.2
795.4	10°	744.5	647.7	575.8	534.4	514.4	510.9	508.9	507.4	519.9	530.9
863.2	12.5°	789.4	649.7	549.4	499.0	474.5	464.0	452.1	442.6	444.6	451.6
966.0	15°	869.7	675.1	540.9	480.5	450.1	432.6	418.6	407.2	404.7	407.2
1055.8	17.5°	961.5	709.5	539.9	464.5	426.6	408.7	397.2	386.7	383.2	383.7
1106.2	20°	1022.4	737.0	536.9	446.6	404.2	388.2	378.2	367.7	364.2	365.2
1092.2	22.5°	1028.4	751.4	532.4	426.6	381.7	368.2	358.3	348.8	348.3	348.3
1039.8	25°	995.9	751.4	522.9	408.7	360.3	348.3	339.3	327.8	329.8	330.8
980.5	27.5°	945.5	733.5	505.0	394.2	341.8	329.3	320.3	309.9	312.4	313.9
925.1	30°	895.6	710.5	483.5	377.7	324.3	309.9	303.4	294.4	295.4	297.4
870.2	32.5°	849.2	686.1	458.1	364.2	306.9	292.4	287.4	277.4	278.9	280.9
816.3	35°	803.3	659.1	428.1	348.3	290.9	276.4	272.4	261.0	262.0	265.0
762.4	37.5°	753.9	630.7	403.7	332.3	275.4	260.5	256.5	244.5	245.5	249.0
706.5	40°	702.0	602.8	379.7	315.3	259.0	244.0	240.5	227.5	228.5	232.5
651.7	42.5°	649.7	572.3	361.3	293.4	242.0	226.0	222.5	210.6	212.1	216.6
603.8	45°	601.3	535.9	349.3	268.9	226.0	208.1	204.6	193.6	196.6	201.6
563.3	47.5°	559.8	498.5	344.3	248.5	209.1	189.6	186.6	177.6	182.6	188.1
528.9	50°	524.4	462.5	337.8	227.5	193.1	173.6	170.6	164.7	171.1	176.6
505.5	52.5°	499.0	421.6	323.8	208.6	179.1	160.2	159.2	156.2	162.2	167.2
488.0	55°	477.0	379.2	301.4	192.1	166.7	148.7	149.7	148.2	153.2	157.2
477.5	57.5°	457.1	342.3	272.9	179.1	153.2	138.7	141.7	139.7	142.2	144.7
466.5	60°	433.1	304.9	239.0	164.7	137.2	128.7	132.2	126.7	126.2	127.2
446.6	62.5°	397.7	254.5	203.6	146.7	123.2	117.8	119.3	108.8	100.8	100.8
417.1	65°	348.3	204.6	170.6	126.7	107.3	102.8	101.8	86.8	75.8	74.8
385.2	67.5°	290.9	168.2	141.7	106.8	89.3	86.3	87.3	76.3	65.4	64.4
353.3	70°	237.0	139.2	114.3	85.3	68.9	71.9	76.3	65.4	54.9	53.4
315.8	72.5°	192.6	110.8	89.3	65.4	50.9	59.4	64.9	53.4	43.4	42.4
269.4	75°	148.7	81.3	63.9	44.4	36.9	45.9	50.9	38.9	30.9	29.4
208.6	77.5°	99.3	50.4	35.9	27.9	22.0	31.4	33.9	20.5	18.0	17.5
151.7	80°	60.4	23.5	15.5	13.5	7.5	11.5	13.5	8.5	9.5	10.0
80.8	82.5°	30.4	6.5	2.5	0.5	0.0	0.0	4.0	2.0	4.0	5.0
22.0	85°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5
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°
1002.9	0°	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9
881.2	2.5°	909.1	930.1	950.0	982.0	1014.9	1047.3	1080.3	1112.2	1123.7	1132.2
760.9	5°	804.3	843.8	889.7	953.0	1020.9	1090.7	1161.6	1226.5	1255.9	1275.9
647.7	7.5°	696.1	747.5	813.3	908.6	1014.9	1126.2	1237.4	1339.7	1387.1	1425.5
540.9	10°	588.8	644.7	728.0	836.8	980.5	1140.1	1293.8	1434.5	1495.9	1544.3
464.0	12.5°	494.5	546.9	634.2	754.4	926.6	1129.2	1326.3	1495.4	1567.8	1622.1
409.2	15°	428.1	465.0	542.4	672.1	862.7	1093.7	1328.3	1524.3	1603.7	1660.6
386.2	17.5°	391.2	403.7	454.1	588.3	791.9	1047.3	1309.8	1534.3	1619.1	1672.0
365.7	20°	371.2	373.2	387.2	479.5	701.0	1003.9	1292.3	1544.3	1633.6	1678.0
351.3	22.5°	355.3	355.3	358.8	392.2	583.8	952.0	1286.8	1561.8	1653.6	1681.0
334.8	25°	340.8	340.8	341.8	350.8	462.5	872.7	1283.3	1588.7	1681.0	1688.5
318.3	27.5°	325.8	326.3	326.3	331.3	372.7	764.9	1268.4	1623.6	1714.0	1698.5
302.4	30°	310.9	311.9	311.9	315.3	329.8	638.7	1238.9	1665.6	1756.9	1711.5
286.4	32.5°	295.9	296.9	296.9	299.9	310.4	509.9	1202.0	1704.0	1800.3	1716.9
270.9	35°	280.4	281.9	280.9	284.9	295.9	405.7	1155.1	1742.4	1847.2	1734.4
256.0	37.5°	265.0	265.9	265.5	269.4	281.9	350.3	1100.7	1771.3	1911.0	1773.3
240.0	40°	249.5	249.0	249.0	253.5	266.9	334.3	1032.4	1817.2	2002.9	1841.7
224.0	42.5°	233.5	233.5	232.5	237.5	254.0	322.3	967.0	1899.6	2136.6	1950.5
209.1	45°	219.0	218.5	216.6	221.0	241.5	301.4	944.0	2053.2	2334.2	2126.6
194.1	47.5°	205.1	204.6	199.6	203.6	226.5	282.4	1029.9	2304.7	2608.1	2385.6
182.1	50°	192.6	193.1	183.6	187.1	211.6	267.9	1216.0	2631.1	2971.8	2734.3
172.1	52.5°	181.1	181.1	168.7	170.6	193.1	255.0	1393.1	2984.8	3451.9	3220.8
161.7	55°	169.6	168.7	154.7	155.7	174.6	236.5	1419.6	3330.1	4106.5	3952.8
150.2	57.5°	156.7	154.7	141.7	141.7	157.7	223.0	1230.5	3595.6	4918.8	5028.6
128.7	60°	140.7	139.2	130.7	128.2	144.2	235.0	868.2	3626.5	5442.7	6459.1
102.3	62.5°	120.3	122.2	117.8	114.3	131.2	244.0	514.4	3377.5	5316.0	6914.2
79.3	65°	94.8	102.8	101.8	99.3	144.2	205.6	303.9	2899.5	4927.3	6546.9
69.4	67.5°	80.8	86.3	84.8	84.8	151.2	156.2	191.1	2265.3	4392.4	6111.3
57.9	70°	68.9	74.3	68.9	68.9	114.3	94.8	132.2	1581.7	3815.1	5629.3
46.4	72.5°	56.9	62.4	56.4	52.4	91.3	70.9	96.8	988.5	3267.2	5127.4
32.9	75°	43.4	49.9	45.4	40.4	60.4	52.9	73.3	574.3	2706.9	4386.9
20.0	77.5°	27.4	35.9	33.9	28.4	44.4	38.4	52.9	341.8	2088.7	3427.9
12.0	80°	17.0	18.5	19.0	18.0	25.4	25.9	35.9	194.6	1429.5	2389.1
7.5	82.5°	11.0	11.0	8.5	9.5	12.5	15.0	20.5	73.3	840.3	1454.5
4.5	85°	8.0	7.0	4.5	4.5	6.0	7.5	8.0	22.5	340.8	574.3
2.0	87.5°	4.0	3.5	1.5	2.0	3.0	2.5	2.0	1.0	85.8	183.6
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°
1002.9	0°	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9	1002.9
1151.1	2.5°	1161.1	1176.6	1177.6	1177.6	1164.1	1163.6	1136.1	1133.2
1320.8	5°	1367.2	1377.1	1379.6	1374.7	1347.7	1327.8	1274.4	1262.9
1493.9	7.5°	1555.8	1575.7	1575.7	1563.8	1519.9	1478.9	1401.6	1372.7
1637.1	10°	1706.5	1729.4	1724.4	1700.0	1644.6	1588.2	1494.4	1456.5
1723.9	12.5°	1779.8	1803.3	1790.3	1762.4	1708.5	1649.1	1550.3	1507.4
1748.9	15°	1778.3	1771.8	1758.4	1754.9	1728.9	1684.0	1591.7	1544.8
1733.4	17.5°	1714.9	1660.1	1649.6	1684.5	1717.4	1706.5	1627.6	1583.7
1696.5	20°	1614.7	1518.9	1509.4	1576.2	1670.0	1717.9	1661.1	1620.6
1643.1	22.5°	1508.9	1405.6	1383.6	1457.5	1598.7	1721.4	1703.5	1663.1
1584.2	25°	1408.6	1304.8	1282.8	1351.7	1519.4	1715.4	1749.4	1714.9
1527.8	27.5°	1324.8	1224.5	1204.0	1272.9	1443.0	1698.5	1795.3	1770.8
1472.0	30°	1259.9	1167.1	1152.1	1218.5	1377.1	1677.5	1853.7	1840.2
1420.1	32.5°	1222.0	1154.1	1159.6	1214.0	1341.7	1654.6	1909.5	1916.0
1394.6	35°	1259.4	1262.4	1310.3	1332.7	1374.7	1651.1	1985.4	2010.8
1425.0	37.5°	1445.5	1549.3	1648.6	1630.1	1535.8	1691.5	2098.7	2146.1
1557.8	40°	1762.4	1975.4	2136.6	2066.2	1828.7	1815.2	2261.8	2332.7
1793.3	42.5°	2149.5	2510.8	2776.3	2587.6	2206.4	2031.8	2494.8	2585.1
2078.2	45°	2558.2	3170.9	3589.1	3196.9	2609.1	2335.2	2847.6	2918.5
2345.1	47.5°	2988.8	3973.3	4514.2	3872.5	2982.3	2680.5	3328.6	3345.1
2598.1	50°	3459.8	4853.0	5457.2	4547.6	3342.6	3076.1	3916.4	3897.4
2893.0	52.5°	3908.4	5757.6	6380.3	5225.7	3658.9	3567.1	4598.5	4559.6
3296.2	55°	4336.5	6661.7	7308.9	5877.3	3957.3	4215.8	5408.8	5173.3
3877.5	57.5°	4833.0	7474.5	8265.9	6532.0	4374.4	5058.0	6314.9	5529.6
4990.7	60°	5567.0	8398.1	9348.1	7429.1	5167.8	5943.2	6639.8	5461.7
6323.9	62.5°	6504.0	9247.4	10135.0	8308.3	5964.7	6109.9	6161.2	4938.8
6052.0	65°	6686.2	9462.4	10179.4	8543.3	5861.9	5182.8	5030.1	3969.8
5405.8	67.5°	6203.2	9073.7	9558.7	8105.7	5185.3	4005.2	3774.7	2880.0
4981.7	70°	5661.3	8332.7	8477.0	7361.8	4560.6	2945.9	2549.2	1848.2
4691.3	72.5°	5105.9	7344.3	7045.9	6393.3	4008.2	2145.1	1838.7	1313.8
4277.6	75°	4446.3	6044.5	5550.0	5312.0	3318.6	1683.5	1330.2	906.6
3679.4	77.5°	3560.6	4254.7	4122.5	4117.5	2493.8	1230.0	887.7	568.3
2874.5	80°	2511.8	2761.3	2693.9	3101.1	1673.0	892.2	534.4	316.3
2000.9	82.5°	1216.0	1526.8	1567.3	1846.7	813.8	524.9	123.2	68.9
782.4	85°	476.0	736.5	621.2	701.0	228.5	146.2	3.0	0.0
128.7	87.5°	53.4	85.3	78.3	61.9	27.9	6.0	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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