

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: P945639

Luminaire Tested: **GALN-SB1C-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945639
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-SB1C-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6049 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

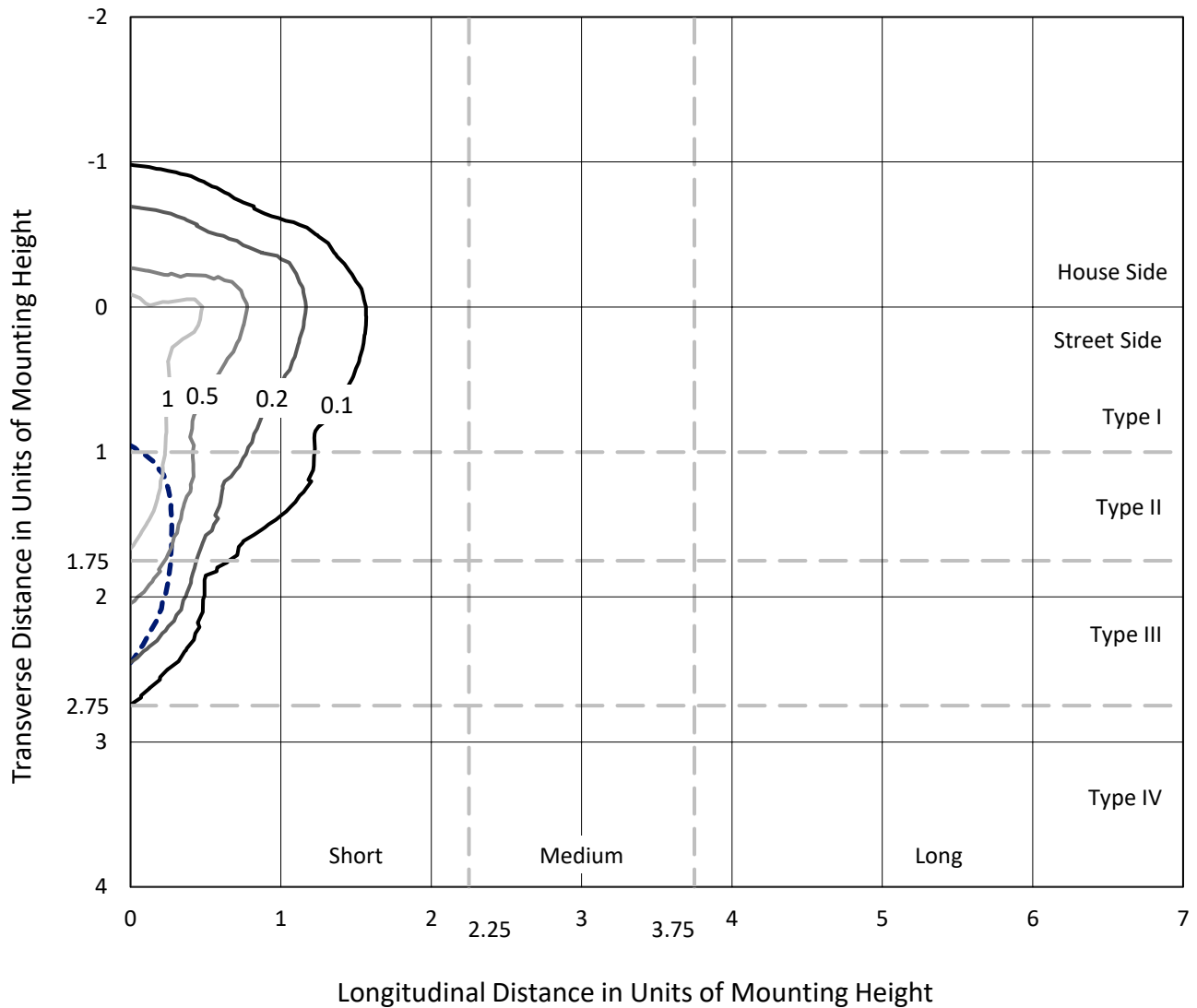
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

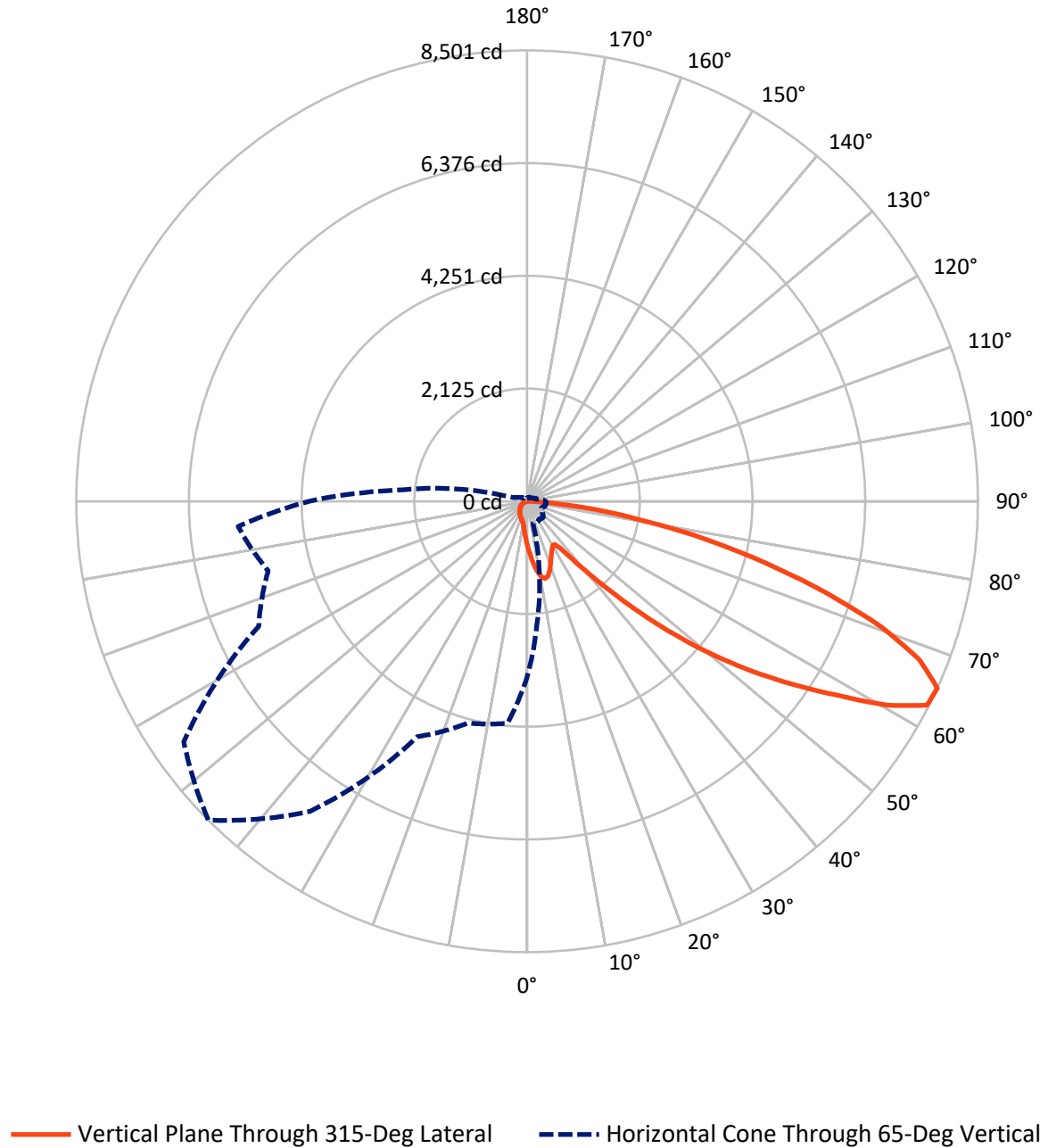
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	847.1	0.0	847.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5201.9	0.0	5201.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	6049.0	0.0	6049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.4
10°-20°	247.2	4.1
20°-30°	364.2	6.0
30°-40°	467.9	7.7
40°-50°	756.7	12.5
50°-60°	1326.9	21.9
60°-70°	1660.3	27.4
70°-80°	970.2	16.0
80°-90°	173.1	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°	6049.0	100.0
0°-180°	6049.0	100.0

Coefficient of Utilization



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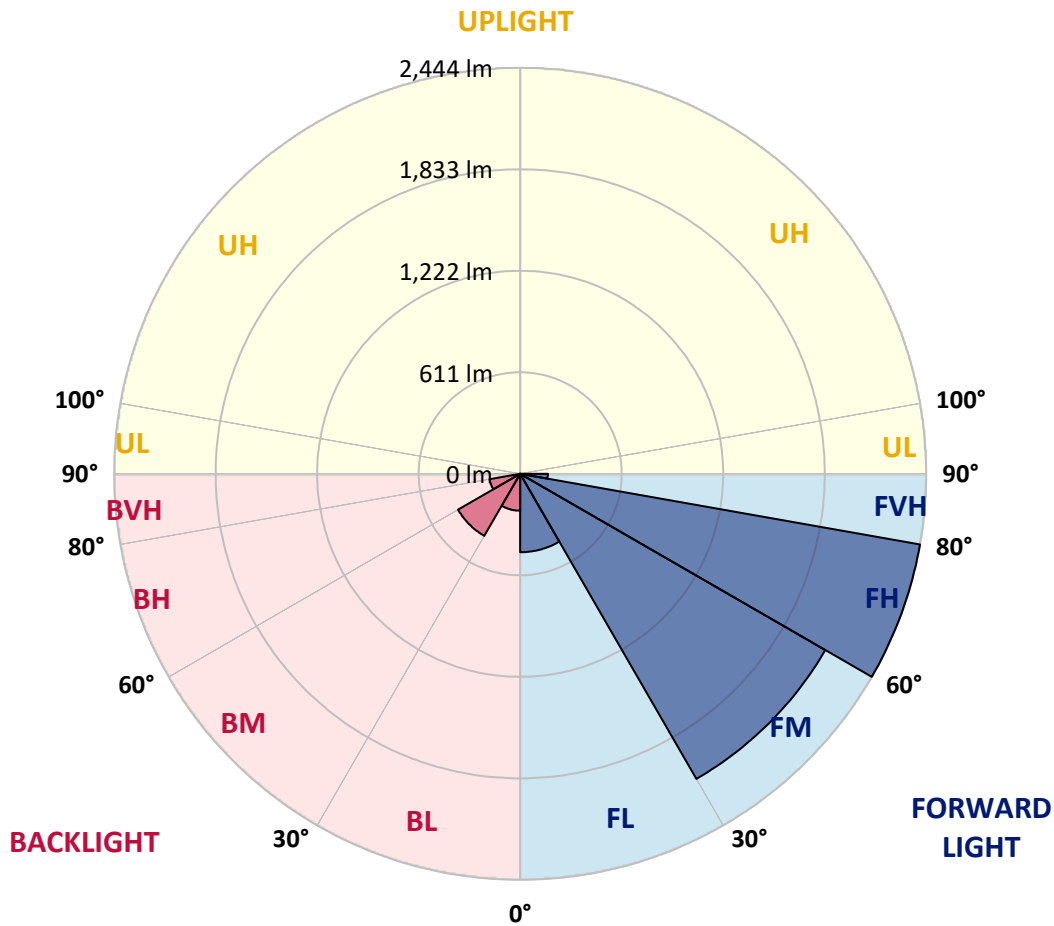
CATALOG NUMBER: GALN-SB1C-740-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.8	7.8			
FM (30°-60°)	2120.1	35.0			
FH (60°-80°)	2443.5	40.4			G2/5000
FVH (80°-90°)	166.5	2.8			G2/225
BL (0°-30°)	222.0	3.7	B1/500		
BM (30°-60°)	431.4	7.1	B1/1000		
BH (60°-80°)	187.0	3.1	B1/500		G1/500
BVH (80°-90°)	6.7	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°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
2.5°	946.4	930.1	920.5	896.8	873.0	853.8	828.0	810.9	790.5	770.9
5°	1054.7	1028.4	996.8	953.4	913.9	873.4	834.3	795.5	754.7	717.2
7.5°	1146.4	1108.5	1052.6	995.1	944.7	895.9	850.1	798.8	749.2	690.5
10°	1216.4	1168.0	1094.7	1019.3	961.4	912.2	867.6	824.3	774.3	703.4
12.5°	1258.9	1207.2	1120.1	1031.8	965.5	910.5	875.9	856.8	837.2	766.8
15°	1290.1	1234.3	1138.0	1040.5	955.9	888.4	863.0	882.2	904.7	859.7
17.5°	1322.6	1263.9	1161.4	1044.3	930.1	845.5	834.7	884.3	936.4	934.3
20°	1353.5	1295.1	1181.8	1041.8	888.4	793.4	803.0	866.3	926.8	952.2
22.5°	1388.9	1327.2	1201.4	1032.2	834.3	744.7	774.7	838.0	890.9	920.9
25°	1432.2	1367.7	1228.9	1018.0	775.9	704.2	745.9	805.1	848.0	868.8
27.5°	1478.9	1416.0	1265.6	1010.5	728.8	675.5	713.4	765.9	804.3	818.8
30°	1536.8	1472.2	1308.9	1002.2	698.0	658.8	679.7	720.5	758.0	772.6
32.5°	1600.2	1534.8	1350.6	982.2	679.2	646.3	646.7	672.6	706.7	724.2
35°	1679.4	1609.8	1395.2	938.4	664.2	631.7	614.7	627.2	655.5	676.3
37.5°	1792.3	1708.1	1449.7	875.9	642.2	609.2	580.9	583.8	605.5	628.4
40°	1948.1	1840.2	1513.9	810.9	610.5	577.6	543.8	542.6	558.4	580.9
42.5°	2159.0	2014.8	1591.0	748.8	580.1	539.2	504.6	502.6	515.1	534.6
45°	2437.4	2238.2	1685.6	695.5	556.3	501.7	467.6	466.7	477.1	494.2
47.5°	2793.6	2548.6	1780.2	659.2	543.8	472.1	437.1	438.8	448.0	463.4
50°	3254.9	2953.2	1809.0	640.9	543.8	456.3	410.0	418.4	425.9	437.5
52.5°	3807.9	3341.6	1713.9	624.2	547.1	458.4	387.1	405.0	410.5	420.5
55°	4320.5	3532.1	1473.5	601.3	548.0	471.3	367.5	394.2	404.2	408.0
57.5°	4618.0	3466.6	1191.4	562.6	544.6	480.1	355.0	380.9	400.0	402.5
60°	4561.3	3237.0	877.2	533.0	520.1	476.7	351.3	360.5	390.9	394.6
62.5°	4124.6	2852.0	608.8	510.1	465.9	462.1	350.0	328.4	370.9	380.0
65°	3315.4	2245.2	430.0	439.2	408.4	430.5	343.4	295.0	346.7	359.2
67.5°	2405.3	1519.3	310.5	355.9	370.0	379.2	328.4	270.9	319.2	335.9
70°	1543.5	820.5	217.9	235.0	311.7	322.1	302.5	249.2	291.3	310.5
72.5°	1097.2	484.6	156.7	164.6	250.4	268.4	266.3	225.0	258.8	282.1
75°	757.2	267.1	105.8	117.5	181.7	217.9	205.4	193.4	219.2	242.9
77.5°	474.6	119.6	63.3	81.7	119.2	171.3	140.8	149.6	170.9	192.9
80°	264.2	46.3	35.4	54.2	65.0	124.6	77.9	96.3	125.8	141.7
82.5°	57.5	5.8	15.8	23.3	25.4	72.5	41.3	55.8	79.2	77.9
85°	0.0	0.0	2.9	3.3	1.7	31.3	15.0	18.3	25.8	24.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
753.4	2.5°	750.1	729.7	714.7	707.2	700.9	706.7	710.1	710.1	724.2	732.6
694.2	5°	679.7	643.0	615.1	596.3	585.1	588.8	593.0	597.6	615.5	627.6
659.2	7.5°	630.9	574.6	532.1	505.9	492.1	494.2	497.1	500.9	518.4	530.5
664.2	10°	621.7	540.9	480.9	446.3	429.6	426.7	425.0	423.8	434.2	443.4
720.9	12.5°	659.2	542.6	458.8	416.7	396.3	387.5	377.5	369.6	371.3	377.1
806.8	15°	726.3	563.8	451.7	401.3	375.9	361.3	349.6	340.0	338.0	340.0
881.8	17.5°	803.0	592.6	450.9	388.0	356.3	341.3	331.7	323.0	320.0	320.5
923.9	20°	853.8	615.5	448.4	373.0	337.5	324.2	315.9	307.1	304.2	305.0
912.2	22.5°	858.8	627.6	444.6	356.3	318.8	307.5	299.2	291.3	290.9	290.9
868.4	25°	831.8	627.6	436.7	341.3	300.9	290.9	283.4	273.8	275.4	276.3
818.8	27.5°	789.7	612.6	421.7	329.2	285.4	275.0	267.5	258.8	260.9	262.1
772.6	30°	748.0	593.4	403.8	315.5	270.9	258.8	253.4	245.9	246.7	248.4
726.7	32.5°	709.2	573.0	382.5	304.2	256.3	244.2	240.0	231.7	232.9	234.6
681.7	35°	670.9	550.5	357.5	290.9	242.9	230.9	227.5	217.9	218.8	221.3
636.7	37.5°	629.7	526.7	337.1	277.5	230.0	217.5	214.2	204.2	205.0	207.9
590.1	40°	586.3	503.4	317.1	263.4	216.3	203.8	200.9	190.0	190.9	194.2
544.2	42.5°	542.6	478.0	301.7	245.0	202.1	188.8	185.9	175.9	177.1	180.9
504.2	45°	502.1	447.5	291.7	224.6	188.8	173.8	170.9	161.7	164.2	168.4
470.5	47.5°	467.6	416.3	287.5	207.5	174.6	158.4	155.9	148.3	152.5	157.1
441.7	50°	438.0	386.3	282.1	190.0	161.3	145.0	142.5	137.5	142.9	147.5
422.1	52.5°	416.7	352.1	270.4	174.2	149.6	133.8	132.9	130.4	135.4	139.6
407.5	55°	398.4	316.7	251.7	160.4	139.2	124.2	125.0	123.8	127.9	131.3
398.8	57.5°	381.7	285.9	227.9	149.6	127.9	115.8	118.3	116.7	118.8	120.8
389.6	60°	361.7	254.6	199.6	137.5	114.6	107.5	110.4	105.8	105.4	106.3
373.0	62.5°	332.1	212.5	170.0	122.5	102.9	98.3	99.6	90.8	84.2	84.2
348.4	65°	290.9	170.9	142.5	105.8	89.6	85.8	85.0	72.5	63.3	62.5
321.7	67.5°	242.9	140.4	118.3	89.2	74.6	72.1	72.9	63.8	54.6	53.8
295.0	70°	197.9	116.3	95.4	71.3	57.5	60.0	63.8	54.6	45.8	44.6
263.8	72.5°	160.9	92.5	74.6	54.6	42.5	49.6	54.2	44.6	36.3	35.4
225.0	75°	124.2	67.9	53.3	37.1	30.8	38.3	42.5	32.5	25.8	24.6
174.2	77.5°	82.9	42.1	30.0	23.3	18.3	26.3	28.3	17.1	15.0	14.6
126.7	80°	50.4	19.6	12.9	11.3	6.3	9.6	11.3	7.1	7.9	8.3
67.5	82.5°	25.4	5.4	2.1	0.4	0.0	0.0	3.3	1.7	3.3	4.2
18.3	85°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1
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°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
735.9	2.5°	759.3	776.8	793.4	820.1	847.6	874.7	902.2	928.9	938.4	945.5
635.5	5°	671.7	704.7	743.0	795.9	852.6	910.9	970.1	1024.3	1048.9	1065.5
540.9	7.5°	581.3	624.2	679.2	758.8	847.6	940.5	1033.4	1118.9	1158.5	1190.5
451.7	10°	491.7	538.4	608.0	698.8	818.8	952.2	1080.5	1198.0	1249.3	1289.7
387.5	12.5°	413.0	456.7	529.6	630.1	773.8	943.0	1107.6	1248.9	1309.3	1354.7
341.7	15°	357.5	388.4	453.0	561.3	720.5	913.4	1109.3	1273.1	1339.3	1386.8
322.5	17.5°	326.7	337.1	379.2	491.3	661.3	874.7	1093.9	1281.4	1352.2	1396.4
305.5	20°	310.0	311.7	323.4	400.5	585.5	838.4	1079.3	1289.7	1364.3	1401.4
293.4	22.5°	296.7	296.7	299.6	327.5	487.6	795.1	1074.7	1304.3	1381.0	1403.9
279.6	25°	284.6	284.6	285.4	292.9	386.3	728.8	1071.8	1326.8	1403.9	1410.2
265.9	27.5°	272.1	272.5	272.5	276.7	311.3	638.8	1059.3	1356.0	1431.4	1418.5
252.5	30°	259.6	260.4	260.4	263.4	275.4	533.4	1034.7	1391.0	1467.2	1429.3
239.2	32.5°	247.1	247.9	247.9	250.4	259.2	425.9	1003.9	1423.1	1503.5	1433.9
226.3	35°	234.2	235.4	234.6	237.9	247.1	338.8	964.7	1455.2	1542.7	1448.5
213.8	37.5°	221.3	222.1	221.7	225.0	235.4	292.5	919.3	1479.3	1596.0	1481.0
200.4	40°	208.4	207.9	207.9	211.7	222.9	279.2	862.2	1517.7	1672.7	1538.1
187.1	42.5°	195.0	195.0	194.2	198.4	212.1	269.2	807.6	1586.4	1784.4	1628.9
174.6	45°	182.9	182.5	180.9	184.6	201.7	251.7	788.4	1714.8	1949.4	1776.0
162.1	47.5°	171.3	170.9	166.7	170.0	189.2	235.9	860.1	1924.8	2178.2	1992.3
152.1	50°	160.9	161.3	153.4	156.3	176.7	223.8	1015.5	2197.3	2481.9	2283.6
143.8	52.5°	151.3	151.3	140.8	142.5	161.3	212.9	1163.5	2492.8	2882.8	2689.9
135.0	55°	141.7	140.8	129.2	130.0	145.8	197.5	1185.5	2781.1	3429.5	3301.2
125.4	57.5°	130.8	129.2	118.3	118.3	131.7	186.3	1027.6	3002.8	4108.0	4199.6
107.5	60°	117.5	116.3	109.2	107.1	120.4	196.3	725.1	3028.7	4545.5	5394.3
85.4	62.5°	100.4	102.1	98.3	95.4	109.6	203.8	429.6	2820.7	4439.7	5774.4
66.3	65°	79.2	85.8	85.0	82.9	120.4	171.7	253.8	2421.5	4115.0	5467.7
57.9	67.5°	67.5	72.1	70.8	70.8	126.3	130.4	159.6	1891.9	3668.3	5103.9
48.3	70°	57.5	62.1	57.5	57.5	95.4	79.2	110.4	1321.0	3186.2	4701.4
38.8	72.5°	47.5	52.1	47.1	43.8	76.3	59.2	80.8	825.5	2728.6	4282.1
27.5	75°	36.3	41.7	37.9	33.8	50.4	44.2	61.3	479.6	2260.7	3663.7
16.7	77.5°	22.9	30.0	28.3	23.8	37.1	32.1	44.2	285.4	1744.4	2862.8
10.0	80°	14.2	15.4	15.8	15.0	21.3	21.7	30.0	162.5	1193.9	1995.2
6.3	82.5°	9.2	9.2	7.1	7.9	10.4	12.5	17.1	61.3	701.7	1214.7
3.8	85°	6.7	5.8	3.8	3.8	5.0	6.3	6.7	18.8	284.6	479.6
1.7	87.5°	3.3	2.9	1.3	1.7	2.5	2.1	1.7	0.8	71.7	153.4
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°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
961.4	2.5°	969.7	982.6	983.4	983.4	972.2	971.8	948.9	946.4
1103.0	5°	1141.8	1150.1	1152.2	1148.0	1125.5	1108.9	1064.3	1054.7
1247.6	7.5°	1299.3	1316.0	1316.0	1306.0	1269.3	1235.1	1170.5	1146.4
1367.2	10°	1425.2	1444.3	1440.2	1419.7	1373.5	1326.4	1248.1	1216.4
1439.7	12.5°	1486.4	1506.0	1495.2	1471.8	1426.8	1377.2	1294.7	1258.9
1460.6	15°	1485.2	1479.7	1468.5	1465.6	1443.9	1406.4	1329.3	1290.1
1447.7	17.5°	1432.2	1386.4	1377.7	1406.8	1434.3	1425.2	1359.3	1322.6
1416.8	20°	1348.5	1268.5	1260.6	1316.4	1394.7	1434.7	1387.2	1353.5
1372.2	22.5°	1260.1	1173.9	1155.5	1217.2	1335.1	1437.7	1422.7	1388.9
1323.1	25°	1176.4	1089.7	1071.4	1128.9	1268.9	1432.7	1461.0	1432.2
1276.0	27.5°	1106.4	1022.6	1005.5	1063.0	1205.1	1418.5	1499.3	1478.9
1229.3	30°	1052.2	974.7	962.2	1017.6	1150.1	1401.0	1548.1	1536.8
1186.0	32.5°	1020.5	963.9	968.4	1013.9	1120.5	1381.8	1594.8	1600.2
1164.7	35°	1051.8	1054.3	1094.3	1113.0	1148.0	1378.9	1658.1	1679.4
1190.1	37.5°	1207.2	1293.9	1376.8	1361.4	1282.6	1412.7	1752.7	1792.3
1301.0	40°	1471.8	1649.8	1784.4	1725.6	1527.3	1516.0	1889.0	1948.1
1497.7	42.5°	1795.2	2096.9	2318.6	2161.1	1842.7	1696.9	2083.6	2159.0
1735.6	45°	2136.5	2648.2	2997.4	2669.9	2179.0	1950.2	2378.2	2437.4
1958.6	47.5°	2496.1	3318.3	3770.0	3234.1	2490.7	2238.6	2779.9	2793.6
2169.8	50°	2889.5	4052.9	4557.6	3797.9	2791.6	2569.0	3270.8	3254.9
2416.1	52.5°	3264.1	4808.5	5328.5	4364.2	3055.8	2979.1	3840.4	3807.9
2752.8	55°	3621.7	5563.5	6104.0	4908.5	3305.0	3520.8	4517.2	4320.5
3238.3	57.5°	4036.3	6242.4	6903.3	5455.2	3653.3	4224.2	5273.9	4618.0
4168.0	60°	4649.3	7013.7	7807.1	6204.4	4315.9	4963.5	5545.2	4561.3
5281.4	62.5°	5431.9	7722.9	8464.3	6938.7	4981.4	5102.6	5145.6	4124.6
5054.3	65°	5584.0	7902.5	8501.4	7135.0	4895.5	4328.4	4200.9	3315.4
4514.7	67.5°	5180.6	7577.9	7983.0	6769.5	4330.5	3345.0	3152.4	2405.3
4160.5	70°	4728.0	6959.1	7079.5	6148.2	3808.8	2460.3	2129.0	1543.5
3917.9	72.5°	4264.2	6133.6	5884.4	5339.3	3347.5	1791.4	1535.6	1097.2
3572.5	75°	3713.3	5048.1	4635.1	4436.3	2771.6	1406.0	1111.0	757.2
3072.8	77.5°	2973.7	3553.3	3442.9	3438.7	2082.7	1027.2	741.3	474.6
2400.7	80°	2097.7	2306.1	2249.8	2589.9	1397.2	745.1	446.3	264.2
1671.0	82.5°	1015.5	1275.1	1308.9	1542.3	679.7	438.4	102.9	57.5
653.4	85°	397.5	615.1	518.8	585.5	190.9	122.1	2.5	0.0
107.5	87.5°	44.6	71.3	65.4	51.7	23.3	5.0	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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