

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: P946918

Luminaire Tested: **GALN-SB2B-935-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946918
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-SB2B-935-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3500K, 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: 5979 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

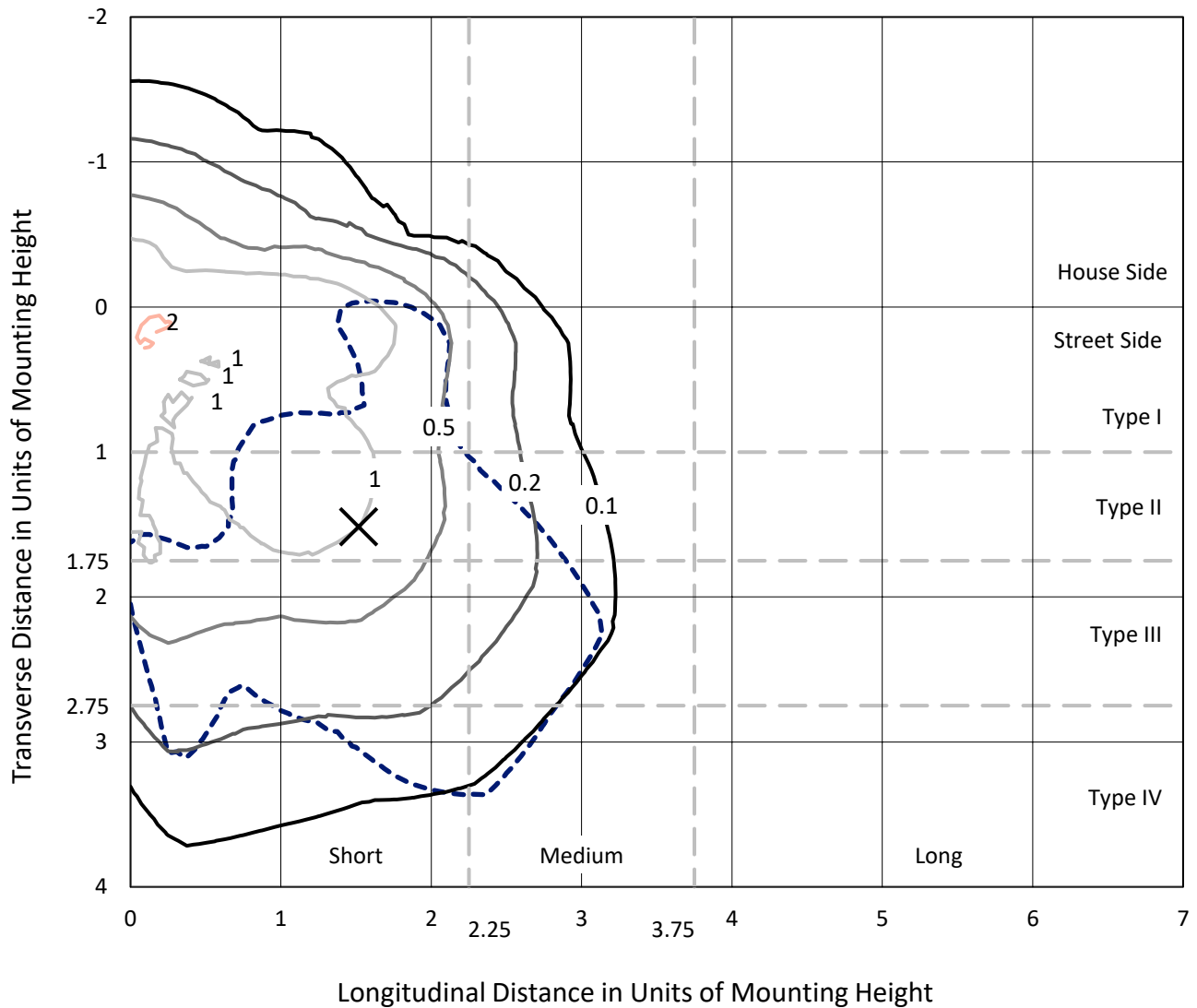
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

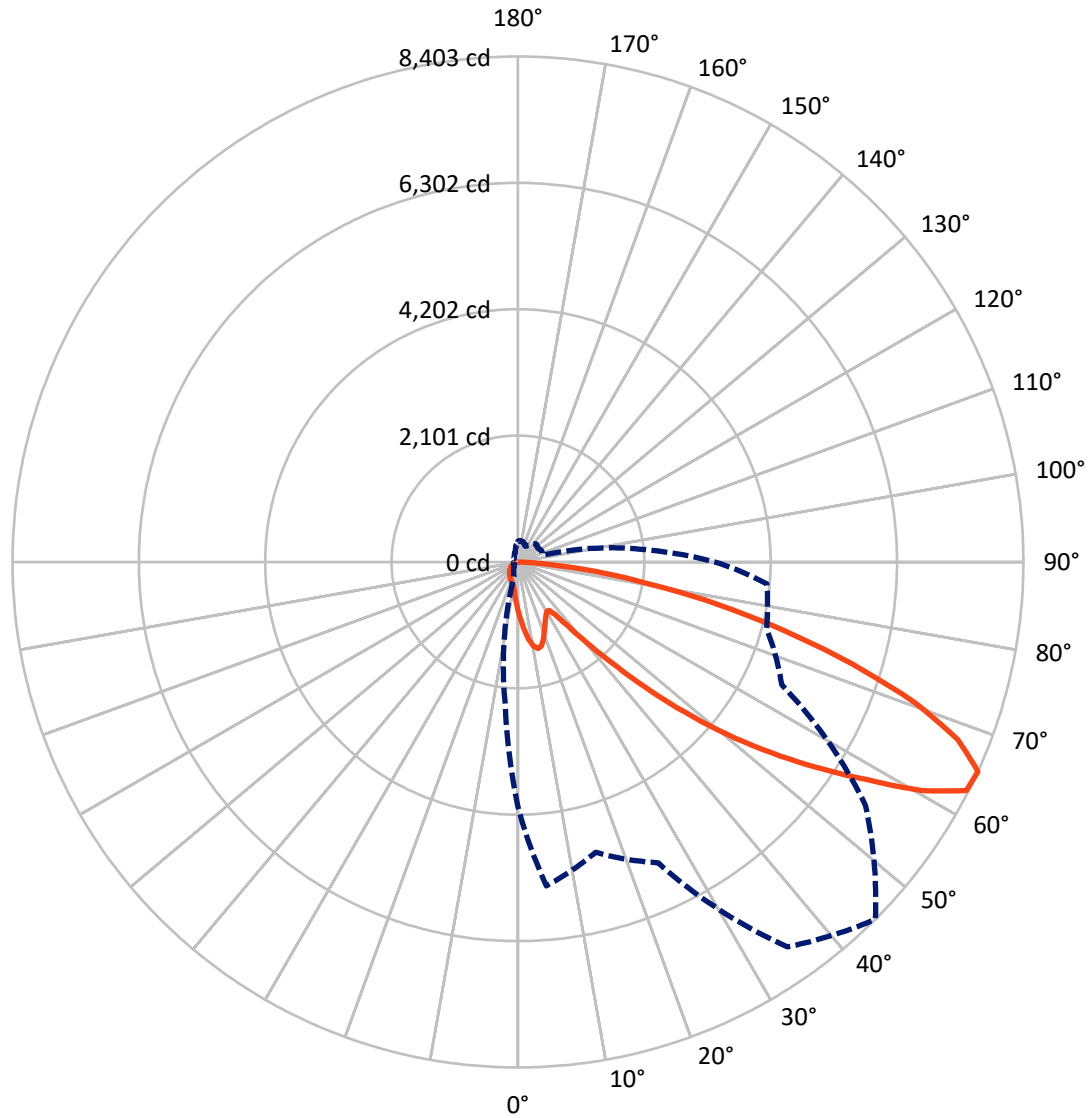
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.4	0.0	1188.4
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4790.6	0.0	4790.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	5979.0	0.0	5979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.4
10°-20°	244.3	4.1
20°-30°	360.0	6.0
30°-40°	462.5	7.7
40°-50°	747.9	12.5
50°-60°	1311.6	21.9
60°-70°	1641.1	27.4
70°-80°	959.0	16.0
80°-90°	171.1	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°	5979.0	100.0
0°-180°	5979.0	100.0

Coefficient of Utilization



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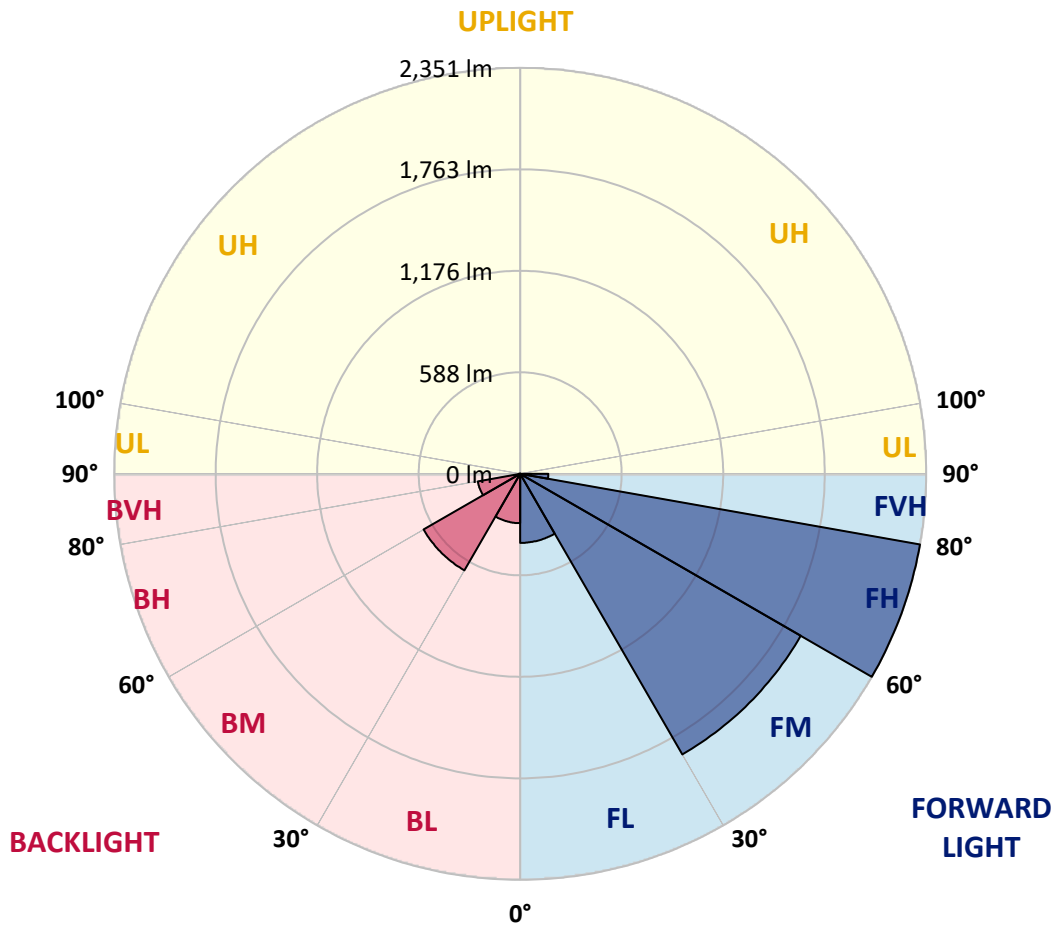
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.1	6.7			
FM (30°-60°)	1876.3	31.4			
FH (60°-80°)	2351.1	39.3			G2/5000
FVH (80°-90°)	163.1	2.7			G2/225
BL (0°-30°)	285.8	4.8	B1/500		
BM (30°-60°)	645.7	10.8	B1/1000		
BH (60°-80°)	249.0	4.2	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°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9
2.5°	927.6	934.6	950.2	958.5	971.2	972.1	972.1	960.9	960.5	937.9
5°	1036.7	1053.2	1090.3	1128.6	1136.8	1138.9	1134.8	1112.5	1096.0	1052.0
7.5°	1145.1	1176.8	1233.2	1284.3	1300.8	1300.8	1290.9	1254.6	1220.8	1157.0
10°	1234.8	1274.8	1351.4	1408.7	1427.6	1423.5	1403.3	1357.6	1311.0	1233.6
12.5°	1294.2	1339.1	1423.1	1469.2	1488.6	1477.9	1454.8	1410.3	1361.3	1279.7
15°	1323.8	1370.8	1443.7	1468.0	1462.6	1451.5	1448.6	1427.2	1390.1	1313.9
17.5°	1336.6	1380.2	1430.9	1415.7	1370.4	1361.7	1390.5	1417.7	1408.7	1343.6
20°	1348.5	1385.2	1400.4	1332.9	1253.8	1246.0	1301.2	1378.6	1418.1	1371.2
22.5°	1365.0	1387.7	1356.4	1245.6	1160.3	1142.2	1203.1	1319.7	1421.0	1406.2
25°	1387.7	1393.8	1307.8	1162.8	1077.1	1059.0	1115.8	1254.2	1416.1	1444.1
27.5°	1414.8	1402.1	1261.2	1093.6	1010.8	993.9	1050.7	1191.2	1402.1	1482.0
30°	1450.3	1412.8	1215.1	1040.0	963.4	951.1	1005.8	1136.8	1384.8	1530.2
32.5°	1486.1	1417.3	1172.2	1008.7	952.7	957.2	1002.1	1107.6	1365.8	1576.3
35°	1524.8	1431.7	1151.2	1039.6	1042.1	1081.6	1100.2	1134.8	1362.9	1638.9
37.5°	1577.5	1463.9	1176.4	1193.2	1278.9	1360.9	1345.6	1267.8	1396.3	1732.4
40°	1653.3	1520.3	1285.9	1454.8	1630.7	1763.7	1705.6	1509.6	1498.5	1867.1
42.5°	1763.7	1610.1	1480.3	1774.4	2072.6	2291.8	2136.1	1821.4	1677.2	2059.5
45°	1926.8	1755.5	1715.5	2111.8	2617.6	2962.7	2639.0	2153.8	1927.6	2350.7
47.5°	2153.0	1969.2	1935.9	2467.2	3279.9	3726.4	3196.7	2461.9	2212.7	2747.7
50°	2453.2	2257.2	2144.7	2856.0	4006.0	4504.8	3754.0	2759.3	2539.3	3232.9
52.5°	2849.5	2658.8	2388.1	3226.3	4752.8	5266.8	4313.7	3020.4	2944.6	3796.0
55°	3389.9	3263.0	2720.9	3579.7	5499.2	6033.4	4851.7	3266.7	3480.1	4464.9
57.5°	4060.4	4151.0	3200.8	3989.6	6170.1	6823.4	5392.1	3611.0	4175.3	5212.9
60°	4492.9	5331.9	4119.7	4595.5	6932.5	7716.8	6132.6	4266.0	4906.0	5481.0
62.5°	4388.3	5707.6	5220.3	5369.0	7633.6	8366.3	6858.4	4923.7	5043.6	5086.0
65°	4067.4	5404.4	4995.8	5519.3	7811.1	8403.0	7052.4	4838.9	4278.3	4152.3
67.5°	3625.9	5044.8	4462.4	5120.6	7490.2	7890.6	6691.2	4280.4	3306.2	3116.0
70°	3149.3	4647.0	4112.3	4673.3	6878.6	6997.6	6077.0	3764.7	2431.8	2104.3
72.5°	2697.1	4232.6	3872.6	4214.9	6062.6	5816.3	5277.6	3308.7	1770.7	1517.8
75°	2234.5	3621.3	3531.1	3670.4	4989.6	4581.5	4385.0	2739.5	1389.7	1098.1
77.5°	1724.2	2829.7	3037.3	2939.3	3512.2	3403.0	3398.9	2058.6	1015.3	732.8
80°	1180.1	1972.1	2372.9	2073.5	2279.4	2223.8	2559.9	1381.1	736.5	441.1
82.5°	693.6	1200.7	1651.7	1003.8	1260.4	1293.7	1524.4	671.8	433.3	101.7
85°	281.3	474.1	645.8	392.9	608.0	512.8	578.7	188.6	120.7	2.5
87.5°	70.8	151.6	106.3	44.1	70.4	64.7	51.1	23.1	4.9	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°
827.9	0°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9
935.4	2.5°	919.3	909.9	886.4	862.9	844.0	818.4	801.5	781.4	762.0	744.7
1042.5	5°	1016.5	985.2	942.4	903.3	863.3	824.6	786.3	745.9	708.9	686.2
1133.1	7.5°	1095.6	1040.4	983.6	933.8	885.6	840.3	789.6	740.6	682.5	651.6
1202.3	10°	1154.5	1082.0	1007.5	950.2	901.6	857.6	814.7	765.3	695.3	656.6
1244.3	12.5°	1193.2	1107.2	1019.8	954.4	900.0	865.8	846.8	827.5	757.9	712.6
1275.2	15°	1220.0	1124.9	1028.5	944.9	878.2	853.0	872.0	894.2	849.7	797.4
1307.3	17.5°	1249.3	1147.9	1032.2	919.3	835.7	825.0	874.0	925.5	923.5	871.6
1337.8	20°	1280.2	1168.1	1029.7	878.2	784.2	793.7	856.3	916.0	941.2	913.2
1372.8	22.5°	1311.9	1187.5	1020.3	824.6	736.0	765.7	828.3	880.6	910.3	901.6
1415.7	25°	1351.8	1214.7	1006.2	766.9	696.1	737.3	795.8	838.2	858.8	858.4
1461.8	27.5°	1399.6	1250.9	998.8	720.4	667.7	705.2	757.1	794.9	809.4	809.4
1519.1	30°	1455.2	1293.7	990.6	689.9	651.2	671.8	712.2	749.2	763.6	763.6
1581.7	32.5°	1517.0	1334.9	970.8	671.4	638.8	639.3	664.8	698.6	715.9	718.3
1659.9	35°	1591.1	1379.0	927.6	656.6	624.4	607.5	619.9	647.9	668.5	673.9
1771.5	37.5°	1688.3	1433.0	865.8	634.7	602.2	574.2	577.1	598.5	621.1	629.4
1925.6	40°	1818.9	1496.4	801.5	603.4	570.9	537.5	536.3	551.9	574.2	583.2
2134.0	42.5°	1991.5	1572.6	740.2	573.4	533.0	498.8	496.7	509.1	528.5	537.9
2409.1	45°	2212.3	1666.1	687.4	549.9	495.9	462.1	461.3	471.6	488.5	498.4
2761.3	47.5°	2519.1	1759.6	651.6	537.5	466.7	432.1	433.7	442.8	458.0	465.0
3217.3	50°	2919.1	1788.0	633.5	537.5	451.0	405.3	413.5	421.0	432.5	436.6
3763.9	52.5°	3303.0	1694.1	617.0	540.8	453.1	382.6	400.4	405.7	415.6	417.2
4270.5	55°	3491.2	1456.4	594.4	541.6	465.8	363.3	389.6	399.5	403.2	402.8
4564.6	57.5°	3426.5	1177.6	556.1	538.3	474.5	350.9	376.5	395.4	397.9	394.2
4508.6	60°	3199.6	867.0	526.8	514.0	471.2	347.2	356.3	386.4	390.1	385.1
4076.9	62.5°	2819.0	601.8	504.2	460.5	456.8	346.0	324.6	366.6	375.6	368.6
3277.0	65°	2219.3	425.1	434.1	403.7	425.5	339.4	291.6	342.7	355.0	344.3
2377.4	67.5°	1501.8	306.9	351.8	365.8	374.8	324.6	267.7	315.5	332.0	318.0
1525.6	70°	811.0	215.4	232.3	308.1	318.4	299.0	246.3	287.9	306.9	291.6
1084.5	72.5°	479.0	154.9	162.7	247.5	265.3	263.2	222.4	255.8	278.8	260.7
748.4	75°	264.0	104.6	116.2	179.6	215.4	203.1	191.1	216.7	240.1	222.4
469.1	77.5°	118.2	62.6	80.7	117.8	169.3	139.2	147.9	168.9	190.7	172.2
261.1	80°	45.7	35.0	53.5	64.3	123.2	77.0	95.1	124.4	140.0	125.2
56.8	82.5°	5.8	15.7	23.1	25.1	71.7	40.8	55.2	78.3	77.0	66.7
0.0	85°	0.0	2.9	3.3	1.6	30.9	14.8	18.1	25.5	23.9	18.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°
827.9	0°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9
741.4	2.5°	721.2	706.4	699.0	692.8	698.6	701.9	701.9	715.9	724.1	727.4
671.8	5°	635.5	608.0	589.4	578.3	582.0	586.1	590.7	608.4	620.3	628.1
623.6	7.5°	568.0	526.0	500.0	486.4	488.5	491.4	495.1	512.4	524.3	534.6
614.5	10°	534.6	475.3	441.1	424.7	421.8	420.1	418.9	429.2	438.3	446.5
651.6	12.5°	536.3	453.5	411.9	391.7	383.1	373.2	365.3	367.0	372.8	383.1
717.9	15°	557.3	446.5	396.7	371.5	357.1	345.6	336.1	334.0	336.1	337.8
793.7	17.5°	585.7	445.7	383.5	352.2	337.3	327.9	319.2	316.3	316.7	318.8
844.0	20°	608.4	443.2	368.6	333.6	320.5	312.2	303.6	300.7	301.5	301.9
848.9	22.5°	620.3	439.5	352.2	315.1	304.0	295.7	287.9	287.5	287.5	290.0
822.1	25°	620.3	431.7	337.3	297.4	287.5	280.1	270.6	272.3	273.1	276.4
780.5	27.5°	605.5	416.8	325.4	282.1	271.8	264.4	255.8	257.8	259.1	262.8
739.3	30°	586.5	399.1	311.8	267.7	255.8	250.4	243.0	243.8	245.5	249.6
701.0	32.5°	566.3	378.1	300.7	253.3	241.4	237.2	229.0	230.2	231.9	236.4
663.1	35°	544.1	353.4	287.5	240.1	228.2	224.9	215.4	216.2	218.7	223.7
622.4	37.5°	520.6	333.2	274.3	227.4	215.0	211.7	201.8	202.7	205.5	211.3
579.5	40°	497.6	313.4	260.3	213.8	201.4	198.5	187.8	188.6	191.9	198.1
536.3	42.5°	472.4	298.2	242.2	199.8	186.6	183.7	173.8	175.1	178.8	184.9
496.3	45°	442.4	288.3	222.0	186.6	171.8	168.9	159.8	162.3	166.4	172.6
462.1	47.5°	411.5	284.2	205.1	172.6	156.5	154.0	146.6	150.8	155.3	160.2
432.9	50°	381.8	278.8	187.8	159.4	143.3	140.9	135.9	141.3	145.8	150.3
411.9	52.5°	348.0	267.3	172.2	147.9	132.2	131.4	128.9	133.9	138.0	142.1
393.8	55°	313.0	248.8	158.6	137.6	122.7	123.6	122.3	126.5	129.7	133.5
377.3	57.5°	282.6	225.3	147.9	126.5	114.5	117.0	115.3	117.4	119.4	124.0
357.5	60°	251.7	197.3	135.9	113.3	106.3	109.2	104.6	104.2	105.0	106.3
328.3	62.5°	210.1	168.1	121.1	101.7	97.2	98.4	89.8	83.2	83.2	84.4
287.5	65°	168.9	140.9	104.6	88.6	84.8	84.0	71.7	62.6	61.8	65.5
240.1	67.5°	138.8	117.0	88.1	73.7	71.3	72.1	63.0	54.0	53.1	57.3
195.6	70°	114.9	94.3	70.4	56.8	59.3	63.0	54.0	45.3	44.1	47.8
159.0	72.5°	91.4	73.7	54.0	42.0	49.0	53.5	44.1	35.8	35.0	38.3
122.7	75°	67.1	52.7	36.7	30.5	37.9	42.0	32.1	25.5	24.3	27.2
82.0	77.5°	41.6	29.7	23.1	18.1	25.9	28.0	16.9	14.8	14.4	16.5
49.8	80°	19.4	12.8	11.1	6.2	9.5	11.1	7.0	7.8	8.2	9.9
25.1	82.5°	5.4	2.1	0.4	0.0	0.0	3.3	1.6	3.3	4.1	6.2
2.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°
827.9	0°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	827.9
750.5	2.5°	767.8	784.2	810.6	837.8	864.6	891.7	918.1	927.6
664.0	5°	696.5	734.4	786.7	842.7	900.4	958.9	1012.4	1036.7
574.6	7.5°	617.0	671.4	750.1	837.8	929.6	1021.5	1105.9	1145.1
486.0	10°	532.2	600.9	690.7	809.4	941.2	1068.0	1184.2	1234.8
408.2	12.5°	451.4	523.5	622.8	764.9	932.1	1094.8	1234.4	1294.2
353.4	15°	383.9	447.7	554.8	712.2	902.9	1096.5	1258.3	1323.8
322.9	17.5°	333.2	374.8	485.6	653.7	864.6	1081.2	1266.6	1336.6
306.4	20°	308.1	319.6	395.8	578.7	828.7	1066.8	1274.8	1348.5
293.3	22.5°	293.3	296.1	323.7	481.9	785.9	1062.3	1289.2	1365.0
281.3	25°	281.3	282.1	289.6	381.8	720.4	1059.4	1311.5	1387.7
269.0	27.5°	269.4	269.4	273.5	307.7	631.4	1047.0	1340.3	1414.8
256.6	30°	257.4	257.4	260.3	272.3	527.2	1022.7	1374.9	1450.3
244.3	32.5°	245.1	245.1	247.5	256.2	421.0	992.2	1406.6	1486.1
231.5	35°	232.7	231.9	235.2	244.3	334.9	953.5	1438.3	1524.8
218.7	37.5°	219.5	219.1	222.4	232.7	289.1	908.6	1462.2	1577.5
205.9	40°	205.5	205.5	209.2	220.4	276.0	852.2	1500.1	1653.3
192.8	42.5°	192.8	191.9	196.1	209.7	266.1	798.2	1568.1	1763.7
180.8	45°	180.4	178.8	182.5	199.4	248.8	779.3	1694.9	1926.8
169.3	47.5°	168.9	164.8	168.1	187.0	233.1	850.1	1902.5	2153.0
159.0	50°	159.4	151.6	154.5	174.6	221.2	1003.8	2171.9	2453.2
149.5	52.5°	149.5	139.2	140.9	159.4	210.5	1150.0	2463.9	2849.5
140.0	55°	139.2	127.7	128.5	144.2	195.2	1171.8	2749.0	3389.9
129.3	57.5°	127.7	117.0	117.0	130.2	184.1	1015.7	2968.1	4060.4
116.2	60°	114.9	107.9	105.9	119.0	194.0	716.7	2993.6	4492.9
99.3	62.5°	100.9	97.2	94.3	108.3	201.4	424.7	2788.1	4388.3
78.3	65°	84.8	84.0	82.0	119.0	169.7	250.8	2393.5	4067.4
66.7	67.5°	71.3	70.0	70.0	124.8	128.9	157.8	1870.0	3625.9
56.8	70°	61.4	56.8	56.8	94.3	78.3	109.2	1305.7	3149.3
47.0	72.5°	51.5	46.5	43.2	75.4	58.5	79.9	816.0	2697.1
35.8	75°	41.2	37.5	33.4	49.8	43.7	60.5	474.1	2234.5
22.7	77.5°	29.7	28.0	23.5	36.7	31.7	43.7	282.1	1724.2
14.0	80°	15.2	15.7	14.8	21.0	21.4	29.7	160.6	1180.1
9.1	82.5°	9.1	7.0	7.8	10.3	12.4	16.9	60.5	693.6
6.6	85°	5.8	3.7	3.7	4.9	6.2	6.6	18.5	281.3
3.3	87.5°	2.9	1.2	1.6	2.5	2.1	1.6	0.8	70.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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