

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: P947947

Luminaire Tested: **GALN-SB3A-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947947
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-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA 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: 6252 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

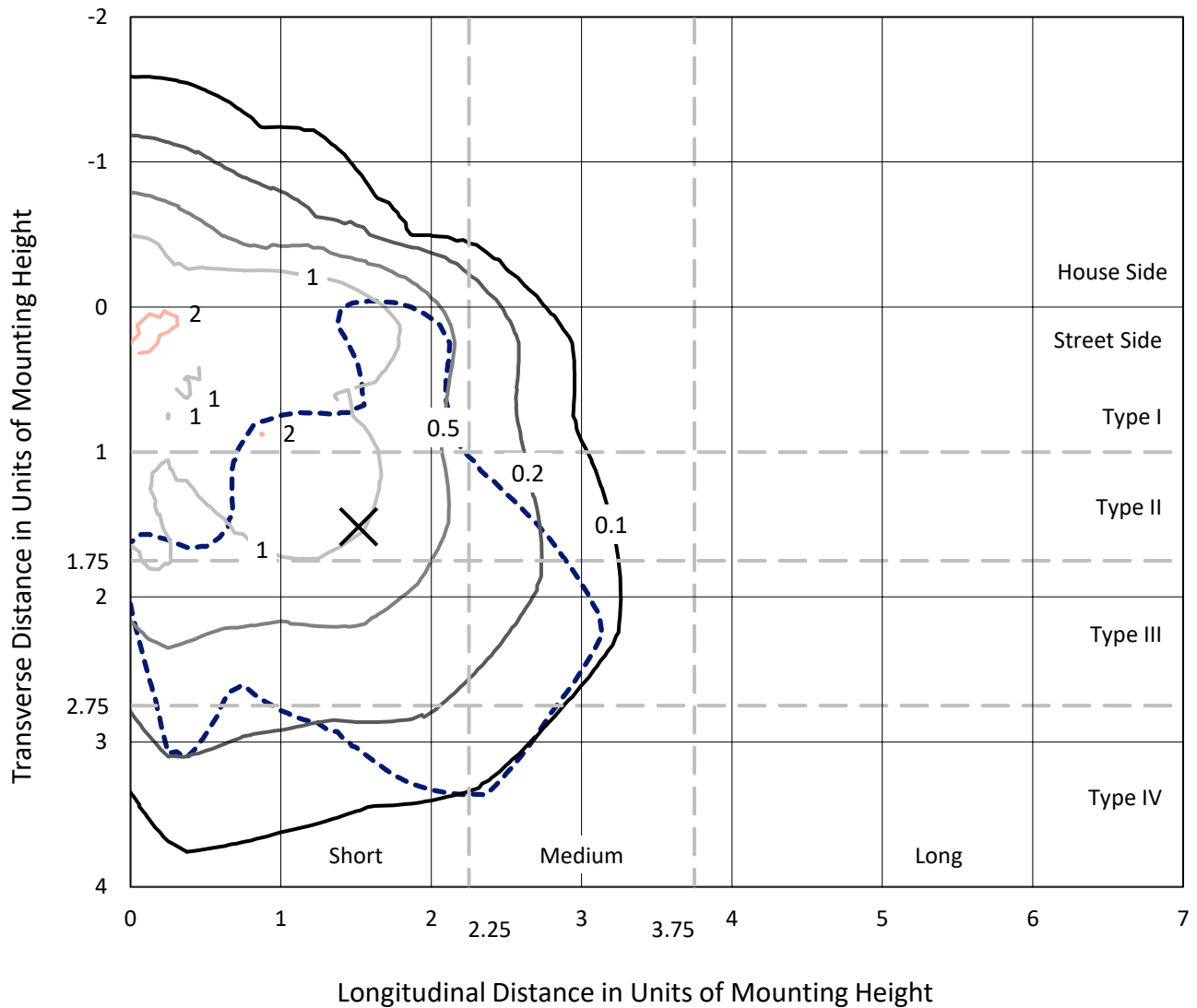
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

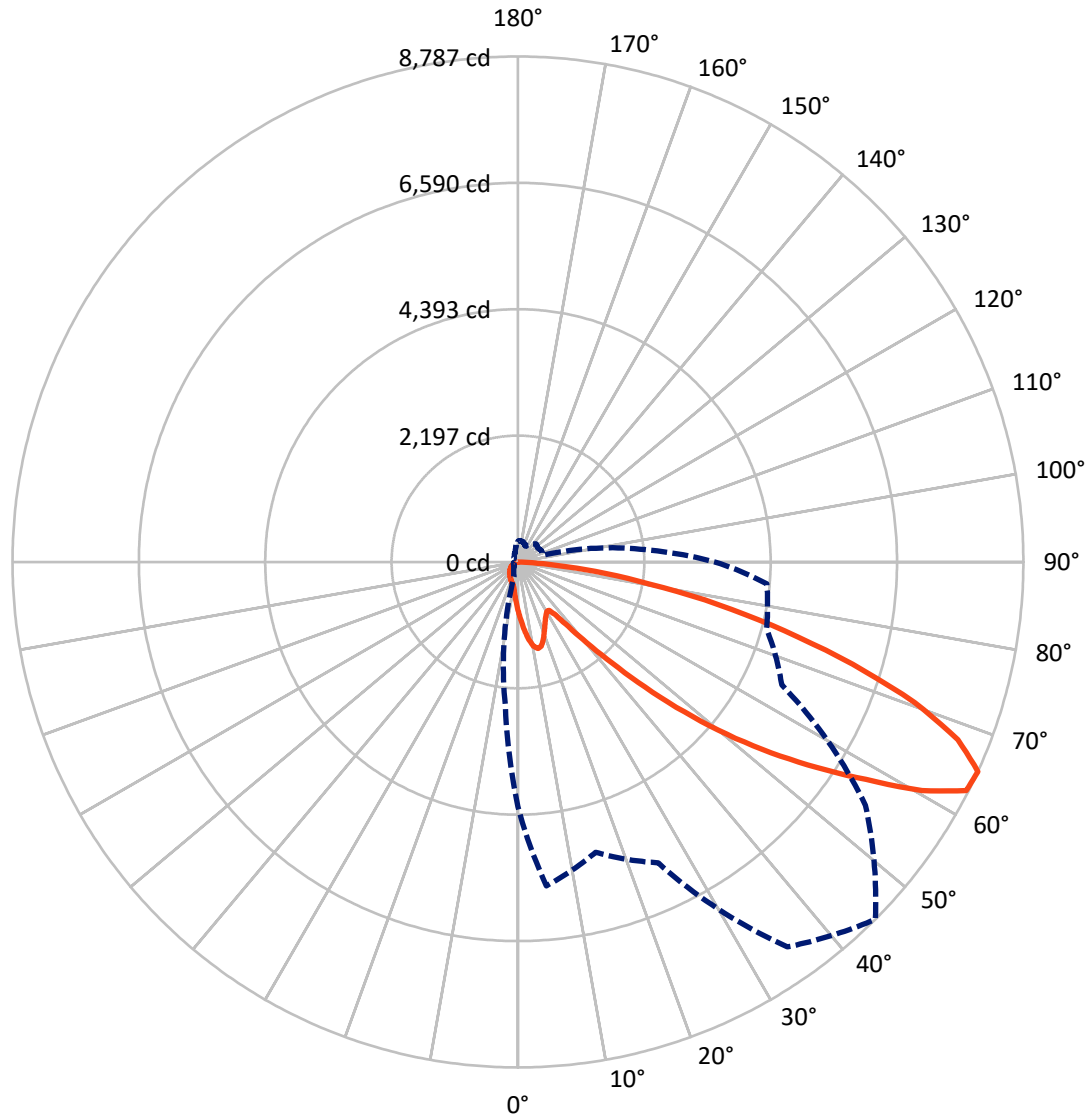
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	1242.7	0.0	1242.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	5009.3	0.0	5009.3
	% Fixture	80.1	0.0	80.1
Total	Lumens	6252.0	0.0	6252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.4
10°-20°	255.5	4.1
20°-30°	376.4	6.0
30°-40°	483.6	7.7
40°-50°	782.1	12.5
50°-60°	1371.5	21.9
60°-70°	1716.1	27.4
70°-80°	1002.8	16.0
80°-90°	178.9	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°	6252.0	100.0
0°-180°	6252.0	100.0

Coefficient of Utilization



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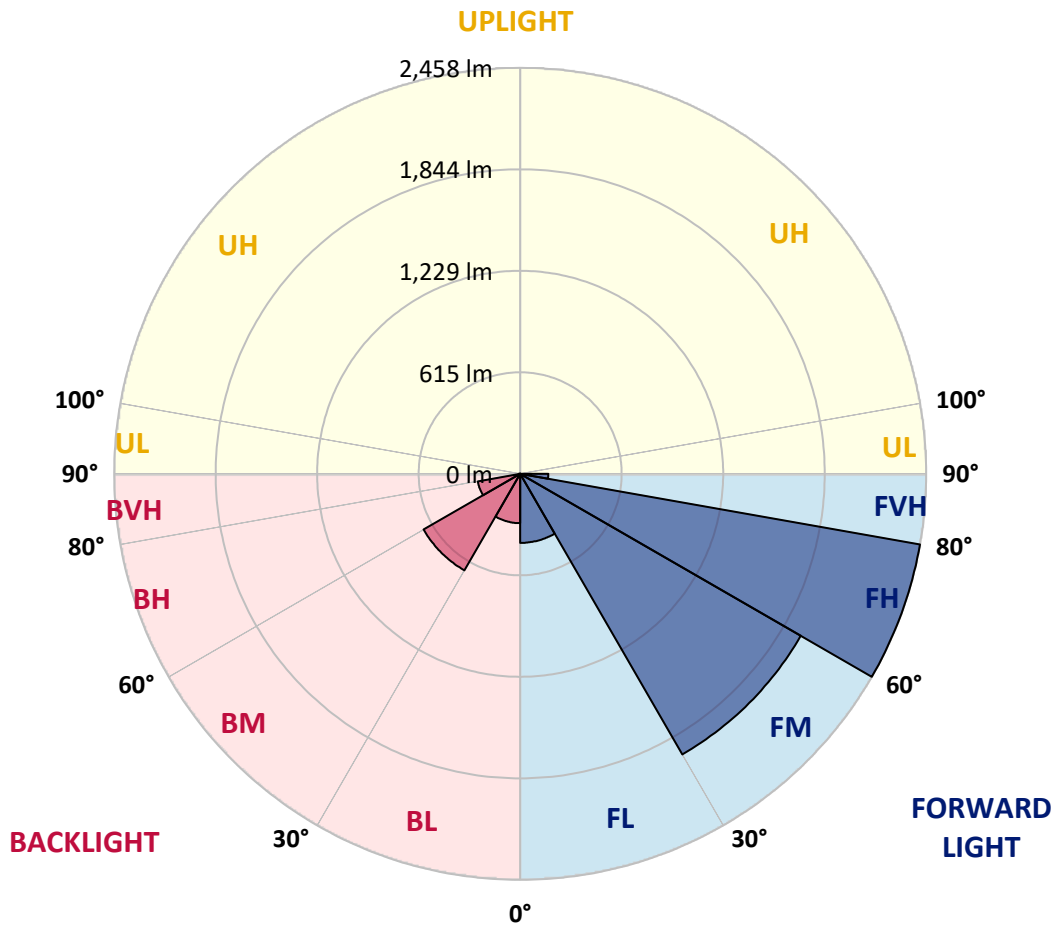
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.3	6.7			
FM (30°-60°)	1962.0	31.4			
FH (60°-80°)	2458.5	39.3			G2/5000
FVH (80°-90°)	170.5	2.7			G2/225
BL (0°-30°)	298.8	4.8	B1/500		
BM (30°-60°)	675.2	10.8	B1/1000		
BH (60°-80°)	260.4	4.2	B1/500		G1/500
BVH (80°-90°)	8.4	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°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
2.5°	969.9	977.3	993.6	1002.2	1015.6	1016.4	1016.4	1004.8	1004.4	980.7
5°	1084.1	1101.3	1140.1	1180.1	1188.7	1190.9	1186.6	1163.3	1146.1	1100.0
7.5°	1197.3	1230.5	1289.5	1342.9	1360.1	1360.1	1349.8	1311.9	1276.6	1209.8
10°	1291.2	1333.0	1413.1	1473.0	1492.8	1488.5	1467.4	1419.6	1370.9	1289.9
12.5°	1353.3	1400.2	1488.1	1536.3	1556.5	1545.3	1521.2	1474.7	1423.5	1338.2
15°	1384.3	1433.4	1509.6	1535.0	1529.4	1517.8	1514.8	1492.4	1453.6	1373.9
17.5°	1397.6	1443.3	1496.2	1480.3	1432.9	1423.9	1454.0	1482.5	1473.0	1404.9
20°	1410.1	1448.4	1464.4	1393.7	1311.0	1302.9	1360.6	1441.5	1482.9	1433.8
22.5°	1427.3	1451.0	1418.3	1302.4	1213.3	1194.3	1258.1	1380.0	1485.9	1470.4
25°	1451.0	1457.5	1367.5	1215.9	1126.3	1107.3	1166.8	1311.5	1480.7	1510.0
27.5°	1479.4	1466.1	1318.8	1143.5	1056.9	1039.3	1098.7	1245.6	1466.1	1549.6
30°	1516.5	1477.3	1270.6	1087.5	1007.4	994.5	1051.8	1188.7	1448.0	1600.0
32.5°	1554.0	1482.0	1225.8	1054.8	996.2	1000.9	1047.9	1158.1	1428.2	1648.3
35°	1594.4	1497.1	1203.8	1087.1	1089.7	1131.0	1150.4	1186.6	1425.2	1713.7
37.5°	1649.6	1530.7	1230.1	1247.7	1337.3	1423.0	1407.1	1325.7	1460.1	1811.5
40°	1728.8	1589.7	1344.6	1521.2	1705.1	1844.2	1783.5	1578.5	1566.9	1952.4
42.5°	1844.2	1683.6	1547.9	1855.4	2167.3	2396.4	2233.6	1904.5	1753.8	2153.5
45°	2014.8	1835.6	1793.9	2208.2	2737.1	3098.0	2759.5	2252.1	2015.7	2458.0
47.5°	2251.3	2059.2	2024.3	2579.9	3429.6	3896.5	3342.6	2574.3	2313.7	2873.2
50°	2565.2	2360.2	2242.6	2986.5	4189.0	4710.5	3925.4	2885.2	2655.3	3380.5
52.5°	2979.6	2780.2	2497.2	3373.7	4969.8	5507.3	4510.7	3158.3	3079.1	3969.3
55°	3544.6	3412.0	2845.2	3743.2	5750.2	6308.9	5073.2	3415.9	3639.0	4668.8
57.5°	4245.8	4340.6	3347.0	4171.7	6451.8	7134.9	5638.3	3775.9	4366.0	5450.9
60°	4698.0	5575.4	4307.8	4805.3	7249.1	8069.1	6412.7	4460.7	5130.0	5731.3
62.5°	4588.7	5968.2	5458.7	5614.1	7982.1	8748.3	7171.5	5148.6	5273.9	5318.3
65°	4253.1	5651.2	5223.9	5771.3	8167.7	8786.7	7374.4	5059.8	4473.7	4341.9
67.5°	3791.4	5275.2	4666.2	5354.4	7832.2	8250.9	6996.7	4475.8	3457.2	3258.2
70°	3293.1	4859.1	4300.1	4886.7	7192.6	7317.1	6354.5	3936.6	2542.8	2200.4
72.5°	2820.2	4425.8	4049.4	4407.3	6339.4	6081.9	5518.5	3459.8	1851.6	1587.1
75°	2336.5	3786.7	3692.4	3837.9	5217.5	4790.6	4585.2	2864.6	1453.2	1148.2
77.5°	1802.9	2958.9	3176.0	3073.5	3672.6	3558.4	3554.1	2152.6	1061.7	766.2
80°	1233.9	2062.2	2481.2	2168.1	2383.5	2325.3	2676.8	1444.1	770.1	461.3
82.5°	725.3	1255.5	1727.1	1049.6	1317.9	1352.8	1594.0	702.5	453.1	106.4
85°	294.2	495.7	675.3	410.9	635.7	536.2	605.1	197.3	126.2	2.6
87.5°	74.1	158.5	111.1	46.1	73.6	67.6	53.4	24.1	5.2	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°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
978.1	2.5°	961.3	951.4	926.9	902.3	882.5	855.8	838.1	817.0	796.8	778.7
1090.1	5°	1063.0	1030.2	985.4	944.5	902.7	862.3	822.2	780.0	741.2	717.5
1184.8	7.5°	1145.7	1087.9	1028.5	976.4	926.0	878.6	825.6	774.4	713.7	681.4
1257.2	10°	1207.2	1131.4	1053.5	993.6	942.8	896.7	851.9	800.2	727.0	686.5
1301.1	12.5°	1247.7	1157.7	1066.4	997.9	941.1	905.3	885.5	865.3	792.5	745.1
1333.4	15°	1275.7	1176.2	1075.5	988.0	918.2	892.0	911.8	935.0	888.5	833.8
1367.0	17.5°	1306.3	1200.4	1079.3	961.3	873.9	862.7	913.9	967.8	965.6	911.4
1398.9	20°	1338.6	1221.5	1076.7	918.2	820.0	830.0	895.4	957.9	984.1	954.9
1435.5	22.5°	1371.8	1241.7	1066.8	862.3	769.7	800.7	866.1	920.8	951.8	942.8
1480.3	25°	1413.5	1270.1	1052.2	802.0	727.9	770.9	832.1	876.5	898.0	897.6
1528.5	27.5°	1463.5	1308.0	1044.4	753.3	698.2	737.4	791.6	831.2	846.3	846.3
1588.4	30°	1521.7	1352.8	1035.8	721.4	680.9	702.5	744.7	783.4	798.5	798.5
1653.9	32.5°	1586.3	1395.9	1015.2	702.0	668.0	668.4	695.1	730.5	748.6	751.1
1735.7	35°	1663.8	1442.0	969.9	686.5	652.9	635.3	648.2	677.5	699.0	704.6
1852.4	37.5°	1765.4	1498.4	905.3	663.7	629.7	600.4	603.4	625.8	649.5	658.1
2013.5	40°	1902.0	1564.7	838.1	631.0	596.9	562.1	560.8	577.1	600.4	609.9
2231.4	42.5°	2082.4	1644.4	774.0	599.5	557.3	521.6	519.4	532.3	552.6	562.5
2519.1	45°	2313.3	1742.2	718.8	575.0	518.6	483.2	482.4	493.1	510.8	521.1
2887.4	47.5°	2634.1	1839.9	681.4	562.1	488.0	451.8	453.5	463.0	478.9	486.3
3364.2	50°	3052.4	1869.7	662.4	562.1	471.6	423.8	432.4	440.2	452.2	456.5
3935.7	52.5°	3453.8	1771.5	645.2	565.5	473.8	400.1	418.6	424.2	434.6	436.3
4465.5	55°	3650.6	1522.9	621.5	566.4	487.1	379.9	407.4	417.8	421.7	421.2
4773.0	57.5°	3583.0	1231.4	581.4	562.9	496.2	367.0	393.7	413.5	416.1	412.2
4714.4	60°	3345.7	906.6	550.9	537.5	492.7	363.1	372.6	404.0	407.9	402.7
4263.0	62.5°	2947.7	629.2	527.2	481.5	477.6	361.8	339.4	383.3	392.8	385.5
3426.6	65°	2320.6	444.5	454.0	422.1	444.9	354.9	304.9	358.3	371.3	360.1
2486.0	67.5°	1570.3	320.9	367.8	382.5	391.9	339.4	280.0	329.9	347.1	332.5
1595.3	70°	848.0	225.3	242.9	322.2	332.9	312.7	257.6	301.1	320.9	304.9
1134.0	72.5°	500.9	161.9	170.1	258.8	277.4	275.2	232.6	267.5	291.6	272.6
782.6	75°	276.1	109.4	121.5	187.8	225.3	212.3	199.8	226.5	251.1	232.6
490.6	77.5°	123.6	65.5	84.4	123.2	177.0	145.6	154.6	176.6	199.4	180.0
273.1	80°	47.8	36.6	56.0	67.2	128.8	80.5	99.5	130.1	146.4	130.9
59.4	82.5°	6.0	16.4	24.1	26.3	74.9	42.6	57.7	81.8	80.5	69.8
0.0	85°	0.0	3.0	3.4	1.7	32.3	15.5	19.0	26.7	25.0	19.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
775.3	2.5°	754.2	738.6	730.9	724.4	730.5	733.9	733.9	748.6	757.2	760.6
702.5	5°	664.6	635.7	616.3	604.7	608.6	612.9	617.6	636.1	648.6	656.8
652.1	7.5°	593.9	550.0	522.9	508.7	510.8	513.8	517.7	535.8	548.3	559.0
642.6	10°	559.0	497.0	461.3	444.0	441.0	439.3	438.0	448.8	458.3	466.9
681.4	12.5°	560.8	474.2	430.7	409.6	400.5	390.2	382.0	383.8	389.8	400.5
750.7	15°	582.7	466.9	414.8	388.5	373.4	361.4	351.4	349.3	351.4	353.2
830.0	17.5°	612.5	466.0	401.0	368.2	352.7	342.8	333.8	330.8	331.2	333.4
882.5	20°	636.1	463.4	385.5	348.9	335.1	326.5	317.4	314.4	315.3	315.7
887.7	22.5°	648.6	459.6	368.2	329.5	317.9	309.2	301.1	300.6	300.6	303.2
859.7	25°	648.6	451.4	352.7	311.0	300.6	292.9	283.0	284.7	285.6	289.0
816.2	27.5°	633.1	435.9	340.3	295.0	284.3	276.5	267.5	269.6	270.9	274.8
773.1	30°	613.3	417.3	326.0	280.0	267.5	261.9	254.1	255.0	256.7	261.0
733.0	32.5°	592.2	395.4	314.4	264.9	252.4	248.1	239.5	240.8	242.5	247.2
693.4	35°	569.0	369.5	300.6	251.1	238.6	235.2	225.3	226.1	228.7	233.9
650.8	37.5°	544.4	348.4	286.8	237.7	224.8	221.4	211.0	211.9	214.9	220.9
606.0	40°	520.3	327.8	272.2	223.5	210.6	207.6	196.4	197.3	200.7	207.2
560.8	42.5°	494.0	311.8	253.3	208.9	195.1	192.1	181.8	183.0	186.9	193.4
519.0	45°	462.6	301.5	232.1	195.1	179.6	176.6	167.1	169.7	174.0	180.5
483.2	47.5°	430.3	297.2	214.5	180.5	163.7	161.1	153.3	157.6	162.4	167.5
452.7	50°	399.3	291.6	196.4	166.7	149.9	147.3	142.1	147.7	152.5	157.2
430.7	52.5°	363.9	279.5	180.0	154.6	138.3	137.4	134.8	140.0	144.3	148.6
411.7	55°	327.3	260.1	165.8	143.9	128.3	129.2	127.9	132.2	135.7	139.5
394.5	57.5°	295.5	235.6	154.6	132.2	119.7	122.3	120.6	122.7	124.9	129.6
373.8	60°	263.2	206.3	142.1	118.4	111.1	114.1	109.4	109.0	109.8	111.1
343.3	62.5°	219.7	175.7	126.6	106.4	101.6	102.9	93.9	87.0	87.0	88.3
300.6	65°	176.6	147.3	109.4	92.6	88.7	87.9	74.9	65.5	64.6	68.5
251.1	67.5°	145.1	122.3	92.2	77.1	74.5	75.4	65.9	56.4	55.6	59.9
204.6	70°	120.2	98.6	73.6	59.4	62.0	65.9	56.4	47.4	46.1	50.0
166.2	72.5°	95.6	77.1	56.4	43.9	51.3	56.0	46.1	37.5	36.6	40.1
128.3	75°	70.2	55.1	38.3	31.9	39.6	43.9	33.6	26.7	25.4	28.4
85.7	77.5°	43.5	31.0	24.1	19.0	27.1	29.3	17.7	15.5	15.1	17.2
52.1	80°	20.2	13.4	11.6	6.5	9.9	11.6	7.3	8.2	8.6	10.3
26.3	82.5°	5.6	2.2	0.4	0.0	0.0	3.4	1.7	3.4	4.3	6.5
2.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.2	3.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
865.7	0°	865.7	865.7	865.7	865.7	865.7	865.7	865.7	865.7
784.7	2.5°	802.8	820.0	847.6	876.0	904.0	932.5	960.0	969.9
694.3	5°	728.3	767.9	822.6	881.2	941.5	1002.7	1058.7	1084.1
600.8	7.5°	645.2	702.0	784.3	876.0	972.1	1068.1	1156.4	1197.3
508.2	10°	556.5	628.4	722.3	846.3	984.1	1116.8	1238.3	1291.2
426.8	12.5°	472.0	547.4	651.2	799.8	974.7	1144.8	1290.8	1353.3
369.5	15°	401.4	468.2	580.1	744.7	944.1	1146.5	1315.8	1384.3
337.7	17.5°	348.4	391.9	507.8	683.5	904.0	1130.6	1324.4	1397.6
320.4	20°	322.2	334.2	413.9	605.1	866.6	1115.5	1333.0	1410.1
306.7	22.5°	306.7	309.7	338.5	503.9	821.8	1110.8	1348.1	1427.3
294.2	25°	294.2	295.0	302.8	399.3	753.3	1107.8	1371.3	1451.0
281.2	27.5°	281.7	281.7	286.0	321.7	660.3	1094.8	1401.5	1479.4
268.3	30°	269.2	269.2	272.2	284.7	551.3	1069.4	1437.7	1516.5
255.4	32.5°	256.3	256.3	258.8	267.9	440.2	1037.6	1470.8	1554.0
242.1	35°	243.3	242.5	245.9	255.4	350.2	997.1	1504.0	1594.4
228.7	37.5°	229.6	229.1	232.6	243.3	302.3	950.1	1529.0	1649.6
215.3	40°	214.9	214.9	218.8	230.4	288.6	891.1	1568.6	1728.8
201.6	42.5°	201.6	200.7	205.0	219.2	278.2	834.7	1639.7	1844.2
189.1	45°	188.6	186.9	190.8	208.5	260.1	814.9	1772.3	2014.8
177.0	47.5°	176.6	172.3	175.7	195.5	243.8	889.0	1989.4	2251.3
166.2	50°	166.7	158.5	161.5	182.6	231.3	1049.6	2271.1	2565.2
156.3	52.5°	156.3	145.6	147.3	166.7	220.1	1202.5	2576.4	2979.6
146.4	55°	145.6	133.5	134.4	150.7	204.2	1225.3	2874.5	3544.6
135.2	57.5°	133.5	122.3	122.3	136.1	192.5	1062.1	3103.6	4245.8
121.5	60°	120.2	112.8	110.7	124.5	202.9	749.4	3130.3	4698.0
103.8	62.5°	105.5	101.6	98.6	113.3	210.6	444.0	2915.4	4588.7
81.8	65°	88.7	87.9	85.7	124.5	177.4	262.3	2502.8	4253.1
69.8	67.5°	74.5	73.2	73.2	130.5	134.8	165.0	1955.4	3791.4
59.4	70°	64.2	59.4	59.4	98.6	81.8	114.1	1365.3	3293.1
49.1	72.5°	53.8	48.7	45.2	78.8	61.2	83.6	853.2	2820.2
37.5	75°	43.1	39.2	34.9	52.1	45.7	63.3	495.7	2336.5
23.7	77.5°	31.0	29.3	24.5	38.3	33.2	45.7	295.0	1802.9
14.6	80°	15.9	16.4	15.5	22.0	22.4	31.0	168.0	1233.9
9.5	82.5°	9.5	7.3	8.2	10.8	12.9	17.7	63.3	725.3
6.9	85°	6.0	3.9	3.9	5.2	6.5	6.9	19.4	294.2
3.4	87.5°	3.0	1.3	1.7	2.6	2.2	1.7	0.9	74.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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