

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: P947800

Luminaire Tested: **GALN-SB3A-750-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947800
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-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 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: 10867 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

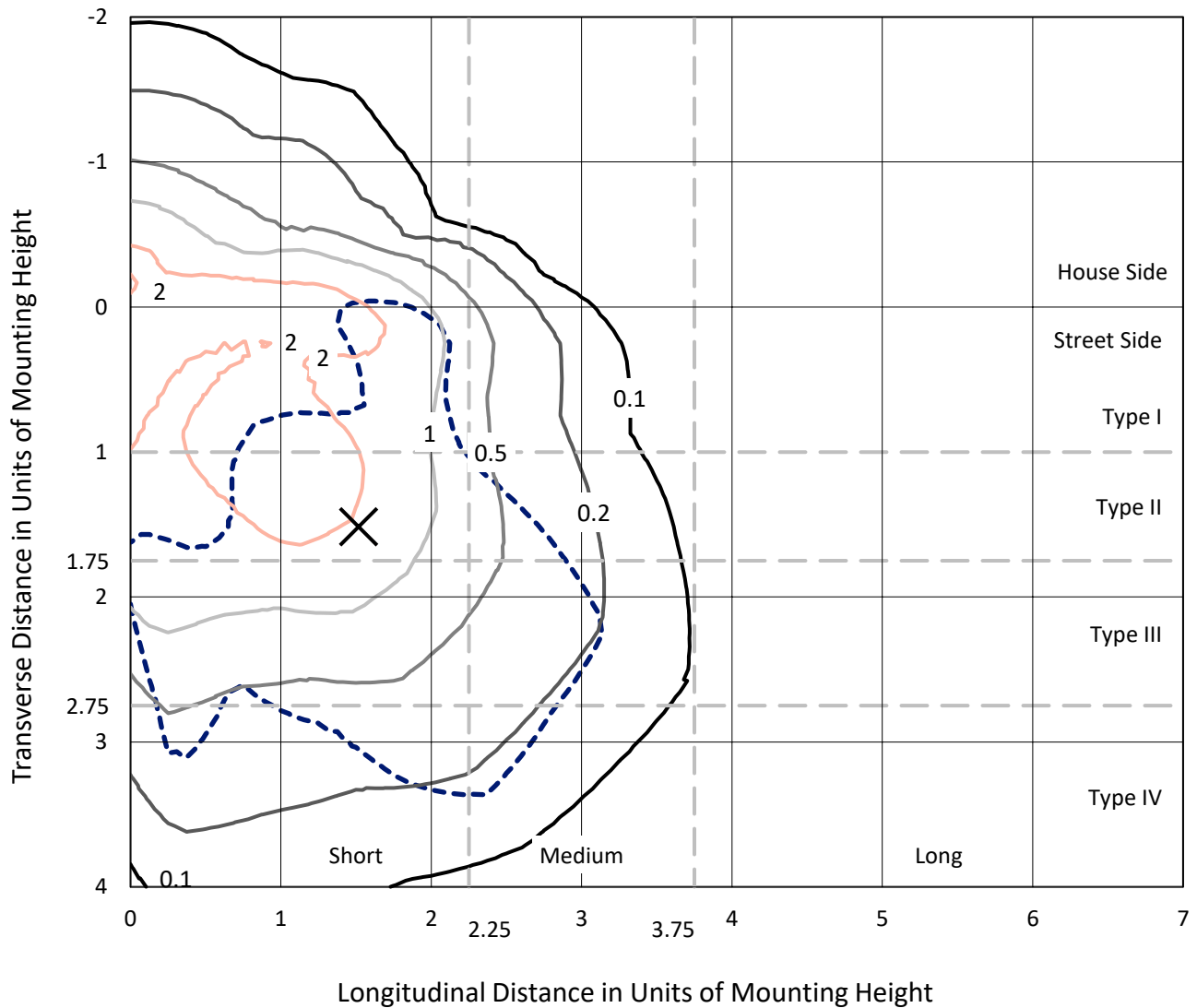
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

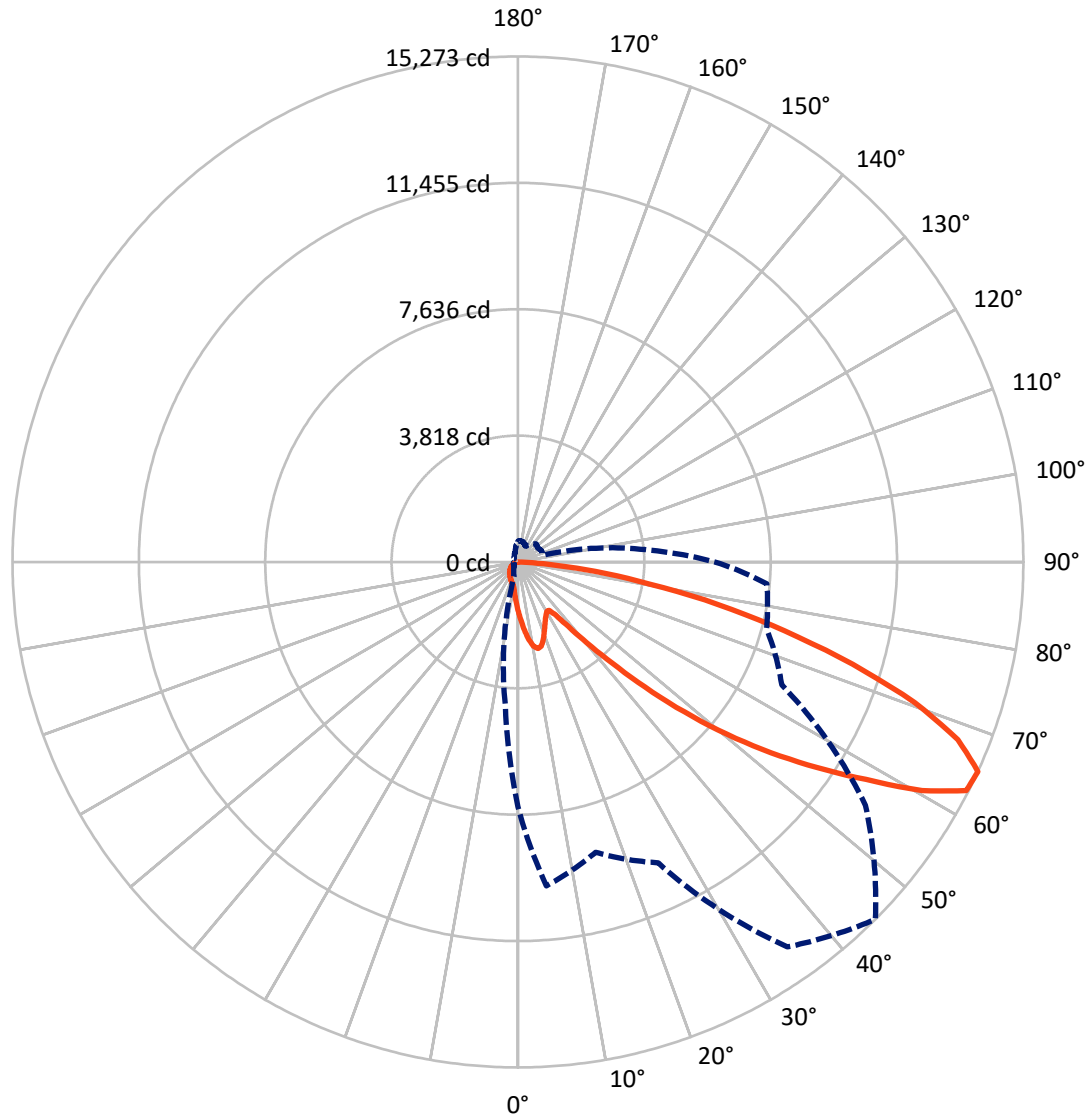
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	2160.0	0.0	2160.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	8707.0	0.0	8707.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	10867.0	0.0	10867.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	1.4
10°-20°	444.1	4.1
20°-30°	654.2	6.0
30°-40°	840.5	7.7
40°-50°	1359.4	12.5
50°-60°	2383.8	21.9
60°-70°	2982.8	27.4
70°-80°	1743.0	16.0
80°-90°	311.0	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°	10867.0	100.0
0°-180°	10867.0	100.0



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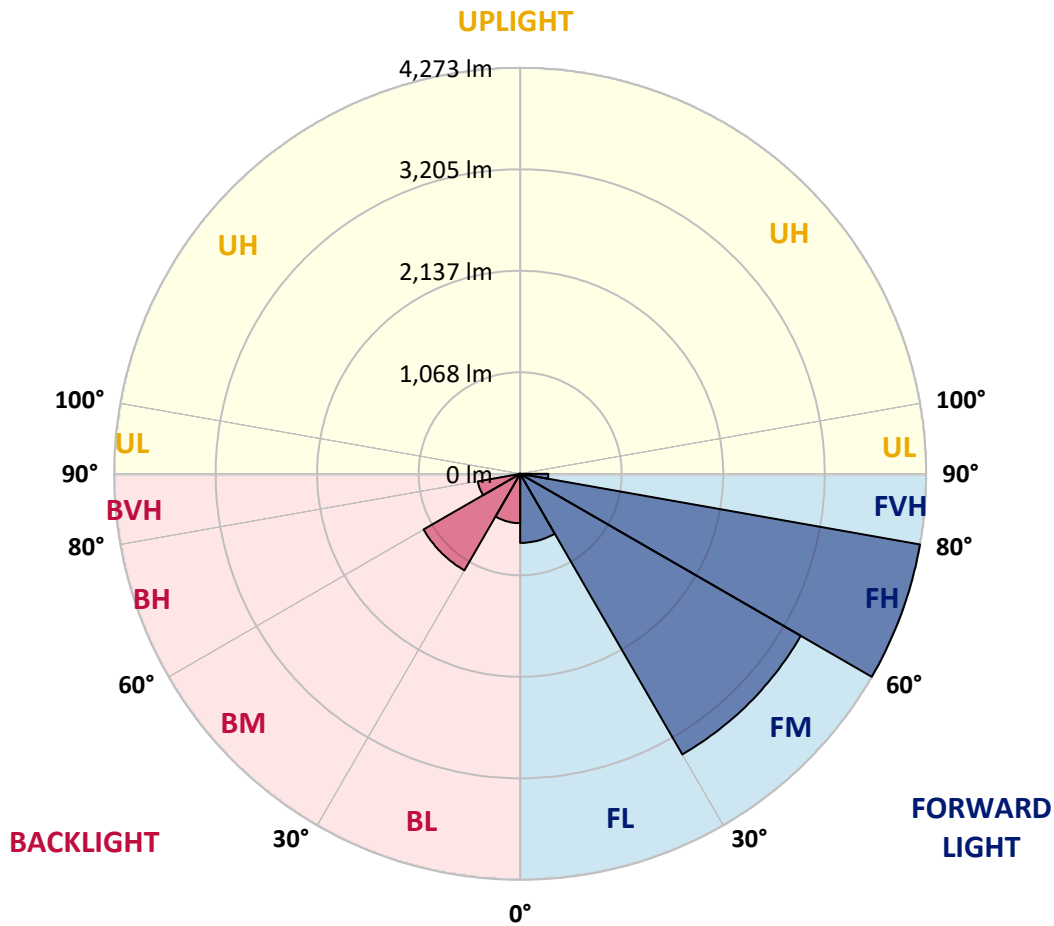
CATALOG NUMBER: GALN-SB3A-750-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.1	6.7			
FM (30°-60°)	3410.2	31.4			
FH (60°-80°)	4273.2	39.3			G2/5000
FVH (80°-90°)	296.4	2.7			G3/500
BL (0°-30°)	519.4	4.8	B2/1000		
BM (30°-60°)	1173.5	10.8	B2/2500		
BH (60°-80°)	452.6	4.2	B1/500		G1/500
BVH (80°-90°)	14.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
2.5°	1685.9	1698.6	1727.1	1742.0	1765.3	1766.7	1766.7	1746.5	1745.8	1704.6
5°	1884.3	1914.2	1981.6	2051.2	2066.2	2069.9	2062.5	2022.0	1992.1	1912.0
7.5°	2081.2	2138.8	2241.4	2334.2	2364.2	2364.2	2346.2	2280.3	2218.9	2102.9
10°	2244.4	2317.0	2456.2	2560.3	2594.7	2587.2	2550.6	2467.5	2382.9	2242.1
12.5°	2352.2	2433.8	2586.5	2670.3	2705.5	2686.1	2644.1	2563.3	2474.2	2326.0
15°	2406.1	2491.4	2623.9	2668.1	2658.4	2638.1	2632.9	2594.0	2526.6	2388.1
17.5°	2429.3	2508.6	2600.7	2573.0	2490.7	2474.9	2527.4	2576.8	2560.3	2442.0
20°	2451.0	2517.6	2545.3	2422.5	2278.8	2264.6	2364.9	2505.6	2577.5	2492.2
22.5°	2480.9	2522.1	2465.2	2263.8	2108.9	2075.9	2186.7	2398.6	2582.7	2555.8
25°	2522.1	2533.3	2376.9	2113.4	1957.6	1924.7	2028.0	2279.6	2573.8	2624.7
27.5°	2571.5	2548.3	2292.3	1987.6	1837.1	1806.4	1909.7	2165.0	2548.3	2693.5
30°	2635.9	2567.8	2208.4	1890.3	1751.0	1728.6	1828.1	2066.2	2516.9	2781.1
32.5°	2701.0	2576.0	2130.6	1833.4	1731.6	1739.8	1821.4	2013.0	2482.4	2865.0
35°	2771.4	2602.2	2092.4	1889.5	1894.0	1965.9	1999.6	2062.5	2477.2	2978.8
37.5°	2867.2	2660.6	2138.1	2168.8	2324.5	2473.4	2445.8	2304.3	2537.8	3148.7
40°	3005.0	2763.2	2337.2	2644.1	2963.8	3205.6	3100.0	2743.7	2723.5	3393.5
42.5°	3205.6	2926.4	2690.6	3225.1	3767.1	4165.3	3882.4	3310.4	3048.4	3743.1
45°	3502.1	3190.6	3118.0	3838.2	4757.5	5384.8	4796.4	3914.5	3503.6	4272.4
47.5°	3913.1	3579.2	3518.5	4484.3	5961.3	6772.8	5810.1	4474.5	4021.6	4994.1
50°	4458.8	4102.5	3898.1	5191.0	7281.1	8187.7	6822.9	5015.0	4615.3	5875.9
52.5°	5179.0	4832.4	4340.5	5864.0	8638.4	9572.6	7840.3	5489.7	5351.9	6899.3
55°	6161.2	5930.6	4945.4	6506.3	9994.9	10965.8	8818.0	5937.3	6325.1	8115.1
57.5°	7379.9	7544.6	5817.5	7251.2	11214.4	12401.7	9800.2	6563.2	7588.8	9474.6
60°	8166.0	9690.9	7487.7	8352.4	12600.1	14025.4	11146.2	7753.5	8916.8	9961.9
62.5°	7975.8	10373.7	9488.0	9758.3	13874.2	15206.0	12465.3	8949.0	9166.9	9244.0
65°	7392.6	9822.7	9080.0	10031.5	14196.9	15272.7	12817.9	8794.8	7775.9	7546.9
67.5°	6590.1	9169.1	8110.6	9306.9	13613.7	14341.4	12161.4	7779.7	6009.2	5663.3
70°	5724.0	8446.0	7474.2	8493.9	12502.0	12718.4	11045.2	6842.4	4419.9	3824.7
72.5°	4902.0	7692.8	7038.6	7660.7	11019.0	10571.3	9592.1	6013.7	3218.3	2758.7
75°	4061.3	6581.9	6417.9	6671.0	9068.8	8326.9	7969.8	4979.1	2525.9	1995.8
77.5°	3133.7	5143.0	5520.3	5342.2	6383.5	6185.1	6177.6	3741.6	1845.4	1331.8
80°	2144.8	3584.4	4312.8	3768.6	4142.9	4041.8	4652.7	2510.1	1338.5	801.8
82.5°	1260.7	2182.2	3002.0	1824.4	2290.8	2351.4	2770.7	1221.0	787.6	184.9
85°	511.3	861.7	1173.8	714.2	1105.0	932.0	1051.8	342.9	219.3	4.5
87.5°	128.8	275.5	193.1	80.1	128.0	117.5	92.8	41.9	9.0	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1700.1	2.5°	1670.9	1653.7	1611.0	1568.4	1533.9	1487.5	1456.8	1420.1	1385.0	1353.5
1894.8	5°	1847.6	1790.7	1712.8	1641.7	1569.1	1498.7	1429.1	1355.8	1288.4	1247.2
2059.5	7.5°	1991.3	1891.0	1787.7	1697.1	1609.5	1527.2	1435.1	1346.0	1240.5	1184.3
2185.2	10°	2098.4	1966.6	1831.1	1727.1	1638.7	1558.6	1480.8	1390.9	1263.7	1193.3
2261.6	12.5°	2168.8	2012.3	1853.6	1734.6	1635.7	1573.6	1539.2	1504.0	1377.5	1295.1
2317.7	15°	2217.4	2044.5	1869.3	1717.3	1596.1	1550.4	1584.8	1625.3	1544.4	1449.3
2376.1	17.5°	2270.6	2086.4	1876.0	1670.9	1519.0	1499.5	1588.6	1682.2	1678.4	1584.1
2431.5	20°	2326.7	2123.1	1871.6	1596.1	1425.4	1442.6	1556.4	1664.9	1710.6	1659.7
2495.2	22.5°	2384.4	2158.3	1854.3	1498.7	1337.8	1391.7	1505.5	1600.6	1654.5	1638.7
2573.0	25°	2457.0	2207.7	1828.9	1393.9	1265.2	1340.0	1446.3	1523.4	1560.9	1560.1
2656.9	27.5°	2543.8	2273.6	1815.4	1309.3	1213.5	1281.6	1376.0	1444.8	1471.0	1471.0
2760.9	30°	2644.9	2351.4	1800.4	1253.9	1183.6	1221.0	1294.4	1361.7	1387.9	1387.9
2874.7	32.5°	2757.2	2426.3	1764.5	1220.3	1161.1	1161.9	1208.3	1269.7	1301.1	1305.6
3016.9	35°	2891.9	2506.4	1685.9	1193.3	1134.9	1104.2	1126.7	1177.6	1215.0	1224.7
3219.8	37.5°	3068.6	2604.5	1573.6	1153.6	1094.5	1043.6	1048.8	1087.7	1128.9	1143.9
3499.8	40°	3305.9	2719.7	1456.8	1096.7	1037.6	977.0	974.7	1003.2	1043.6	1060.0
3878.6	42.5°	3619.6	2858.2	1345.3	1042.1	968.7	906.6	902.8	925.3	960.5	977.7
4378.7	45°	4020.9	3028.2	1249.5	999.4	901.3	840.0	838.5	857.2	887.9	905.8
5018.8	47.5°	4578.6	3198.1	1184.3	977.0	848.2	785.3	788.3	804.8	832.5	845.2
5847.5	50°	5305.5	3249.8	1151.4	977.0	819.7	736.6	751.6	765.1	786.1	793.5
6840.9	52.5°	6003.2	3079.1	1121.4	982.9	823.5	695.5	727.7	737.4	755.4	758.4
7761.7	55°	6345.3	2647.1	1080.3	984.4	846.7	660.3	708.2	726.2	732.9	732.2
8296.2	57.5°	6227.8	2140.3	1010.6	978.4	862.4	637.8	684.2	718.7	723.2	716.4
8194.4	60°	5815.3	1575.9	957.5	934.3	856.4	631.1	647.6	702.2	708.9	700.0
7409.9	62.5°	5123.6	1093.7	916.3	837.0	830.2	628.8	589.9	666.3	682.7	670.0
5956.0	65°	4033.6	772.6	789.0	733.7	773.3	616.9	530.0	622.9	645.3	625.8
4321.1	67.5°	2729.5	557.7	639.3	664.8	681.2	589.9	486.6	573.4	603.4	577.9
2772.9	70°	1474.0	391.5	422.2	560.0	578.7	543.5	447.7	523.3	557.7	530.0
1971.1	72.5°	870.6	281.5	295.7	449.9	482.1	478.4	404.3	464.9	506.8	473.9
1360.2	75°	479.9	190.2	211.1	326.4	391.5	369.1	347.4	393.8	436.4	404.3
852.7	77.5°	214.9	113.8	146.7	214.1	307.7	253.0	268.8	306.9	346.6	312.9
474.6	80°	83.1	63.6	97.3	116.8	223.8	140.0	172.9	226.1	254.5	227.6
103.3	82.5°	10.5	28.4	41.9	45.7	130.3	74.1	100.3	142.2	140.0	121.3
0.0	85°	0.0	5.2	6.0	3.0	56.1	27.0	32.9	46.4	43.4	32.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1347.5	2.5°	1310.8	1283.9	1270.4	1259.2	1269.7	1275.7	1275.7	1301.1	1316.1	1322.1
1221.0	5°	1155.1	1105.0	1071.3	1051.1	1057.8	1065.3	1073.5	1105.7	1127.4	1141.6
1133.4	7.5°	1032.4	956.0	908.8	884.1	887.9	893.1	899.8	931.3	953.0	971.7
1116.9	10°	971.7	863.9	801.8	771.8	766.6	763.6	761.3	780.1	796.5	811.5
1184.3	12.5°	974.7	824.2	748.6	711.9	696.2	678.3	664.0	667.0	677.5	696.2
1304.8	15°	1012.9	811.5	720.9	675.3	649.1	628.1	610.9	607.1	610.9	613.9
1442.6	17.5°	1064.5	810.0	697.0	640.1	613.1	595.9	580.2	574.9	575.7	579.4
1533.9	20°	1105.7	805.5	670.0	606.4	582.4	567.5	551.7	546.5	548.0	548.7
1542.9	22.5°	1127.4	798.8	640.1	572.7	552.5	537.5	523.3	522.5	522.5	527.0
1494.3	25°	1127.4	784.6	613.1	540.5	522.5	509.1	491.8	494.8	496.3	502.3
1418.6	27.5°	1100.5	757.6	591.4	512.8	494.1	480.6	464.9	468.6	470.9	477.6
1343.8	30°	1066.0	725.4	566.7	486.6	464.9	455.2	441.7	443.2	446.2	453.7
1274.2	32.5°	1029.4	687.2	546.5	460.4	438.7	431.2	416.2	418.5	421.5	429.7
1205.3	35°	988.9	642.3	522.5	436.4	414.7	408.7	391.5	393.0	397.5	406.5
1131.2	37.5°	946.3	605.6	498.6	413.2	390.8	384.8	366.8	368.3	373.6	384.0
1053.3	40°	904.3	569.7	473.1	388.5	366.1	360.8	341.4	342.9	348.9	360.1
974.7	42.5°	858.7	542.0	440.2	363.1	339.1	333.9	315.9	318.2	324.9	336.1
902.1	45°	804.0	524.0	403.5	339.1	312.2	306.9	290.5	295.0	302.4	313.7
840.0	47.5°	747.9	516.5	372.8	313.7	284.5	280.0	266.5	274.0	282.2	291.2
786.8	50°	694.0	506.8	341.4	289.7	260.5	256.0	247.0	256.8	265.0	273.2
748.6	52.5°	632.6	485.9	312.9	268.8	240.3	238.8	234.3	243.3	250.8	258.3
715.7	55°	569.0	452.2	288.2	250.0	223.1	224.6	222.3	229.8	235.8	242.6
685.7	57.5°	513.6	409.5	268.8	229.8	208.1	212.6	209.6	213.4	217.1	225.3
649.8	60°	457.4	358.6	247.0	205.9	193.1	198.4	190.2	189.4	190.9	193.1
596.7	62.5°	381.8	305.4	220.1	184.9	176.7	178.9	163.2	151.2	151.2	153.5
522.5	65°	306.9	256.0	190.2	161.0	154.2	152.7	130.3	113.8	112.3	119.0
436.4	67.5°	252.3	212.6	160.2	134.0	129.5	131.0	114.5	98.1	96.6	104.1
355.6	70°	208.9	171.4	128.0	103.3	107.8	114.5	98.1	82.3	80.1	86.8
289.0	72.5°	166.2	134.0	98.1	76.4	89.1	97.3	80.1	65.1	63.6	69.6
223.1	75°	122.0	95.8	66.6	55.4	68.9	76.4	58.4	46.4	44.2	49.4
149.0	77.5°	75.6	53.9	41.9	32.9	47.2	50.9	30.7	27.0	26.2	29.9
90.6	80°	35.2	23.2	20.2	11.2	17.2	20.2	12.7	14.2	15.0	18.0
45.7	82.5°	9.7	3.7	0.7	0.0	0.0	6.0	3.0	6.0	7.5	11.2
3.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.7	6.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1364.0	2.5°	1395.4	1425.4	1473.3	1522.7	1571.4	1620.8	1668.7	1685.9
1206.8	5°	1265.9	1334.8	1429.9	1531.7	1636.5	1742.8	1840.1	1884.3
1044.3	7.5°	1121.4	1220.3	1363.2	1522.7	1689.6	1856.6	2010.1	2081.2
883.4	10°	967.2	1092.2	1255.4	1471.0	1710.6	1941.2	2152.3	2244.4
741.9	12.5°	820.5	951.5	1131.9	1390.2	1694.1	1989.8	2243.6	2352.2
642.3	15°	697.7	813.8	1008.4	1294.4	1641.0	1992.8	2287.0	2406.1
586.9	17.5°	605.6	681.2	882.6	1188.1	1571.4	1965.1	2302.0	2429.3
557.0	20°	560.0	580.9	719.4	1051.8	1506.2	1938.9	2317.0	2451.0
533.0	22.5°	533.0	538.3	588.4	875.9	1428.4	1930.7	2343.2	2480.9
511.3	25°	511.3	512.8	526.3	694.0	1309.3	1925.5	2383.6	2522.1
488.9	27.5°	489.6	489.6	497.1	559.2	1147.6	1903.0	2436.0	2571.5
466.4	30°	467.9	467.9	473.1	494.8	958.2	1858.8	2498.9	2635.9
443.9	32.5°	445.4	445.4	449.9	465.6	765.1	1803.4	2556.5	2701.0
420.7	35°	423.0	421.5	427.5	443.9	608.6	1733.1	2614.2	2771.4
397.5	37.5°	399.0	398.3	404.3	423.0	525.5	1651.5	2657.6	2867.2
374.3	40°	373.6	373.6	380.3	400.5	501.6	1548.9	2726.5	3005.0
350.4	42.5°	350.4	348.9	356.3	381.0	483.6	1450.8	2850.0	3205.6
328.6	45°	327.9	324.9	331.6	362.3	452.2	1416.4	3080.6	3502.1
307.7	47.5°	306.9	299.4	305.4	339.9	423.7	1545.2	3457.9	3913.1
289.0	50°	289.7	275.5	280.7	317.4	402.0	1824.4	3947.5	4458.8
271.8	52.5°	271.8	253.0	256.0	289.7	382.5	2090.2	4478.3	5179.0
254.5	55°	253.0	232.1	233.6	262.0	354.8	2129.8	4996.3	6161.2
235.1	57.5°	232.1	212.6	212.6	236.6	334.6	1846.1	5394.6	7379.9
211.1	60°	208.9	196.1	192.4	216.4	352.6	1302.6	5441.0	8166.0
180.4	62.5°	183.4	176.7	171.4	196.9	366.1	771.8	5067.4	7975.8
142.2	65°	154.2	152.7	149.0	216.4	308.4	455.9	4350.2	7392.6
121.3	67.5°	129.5	127.3	127.3	226.8	234.3	286.7	3398.7	6590.1
103.3	70°	111.5	103.3	103.3	171.4	142.2	198.4	2373.1	5724.0
85.3	72.5°	93.6	84.6	78.6	137.0	106.3	145.2	1483.0	4902.0
65.1	75°	74.9	68.1	60.6	90.6	79.4	110.0	861.7	4061.3
41.2	77.5°	53.9	50.9	42.7	66.6	57.6	79.4	512.8	3133.7
25.5	80°	27.7	28.4	27.0	38.2	38.9	53.9	292.0	2144.8
16.5	82.5°	16.5	12.7	14.2	18.7	22.5	30.7	110.0	1260.7
12.0	85°	10.5	6.7	6.7	9.0	11.2	12.0	33.7	511.3
6.0	87.5°	5.2	2.2	3.0	4.5	3.7	3.0	1.5	128.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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