

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: P952231

Luminaire Tested: **GALN-SB6A-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952231
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-SB6A-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 12637 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

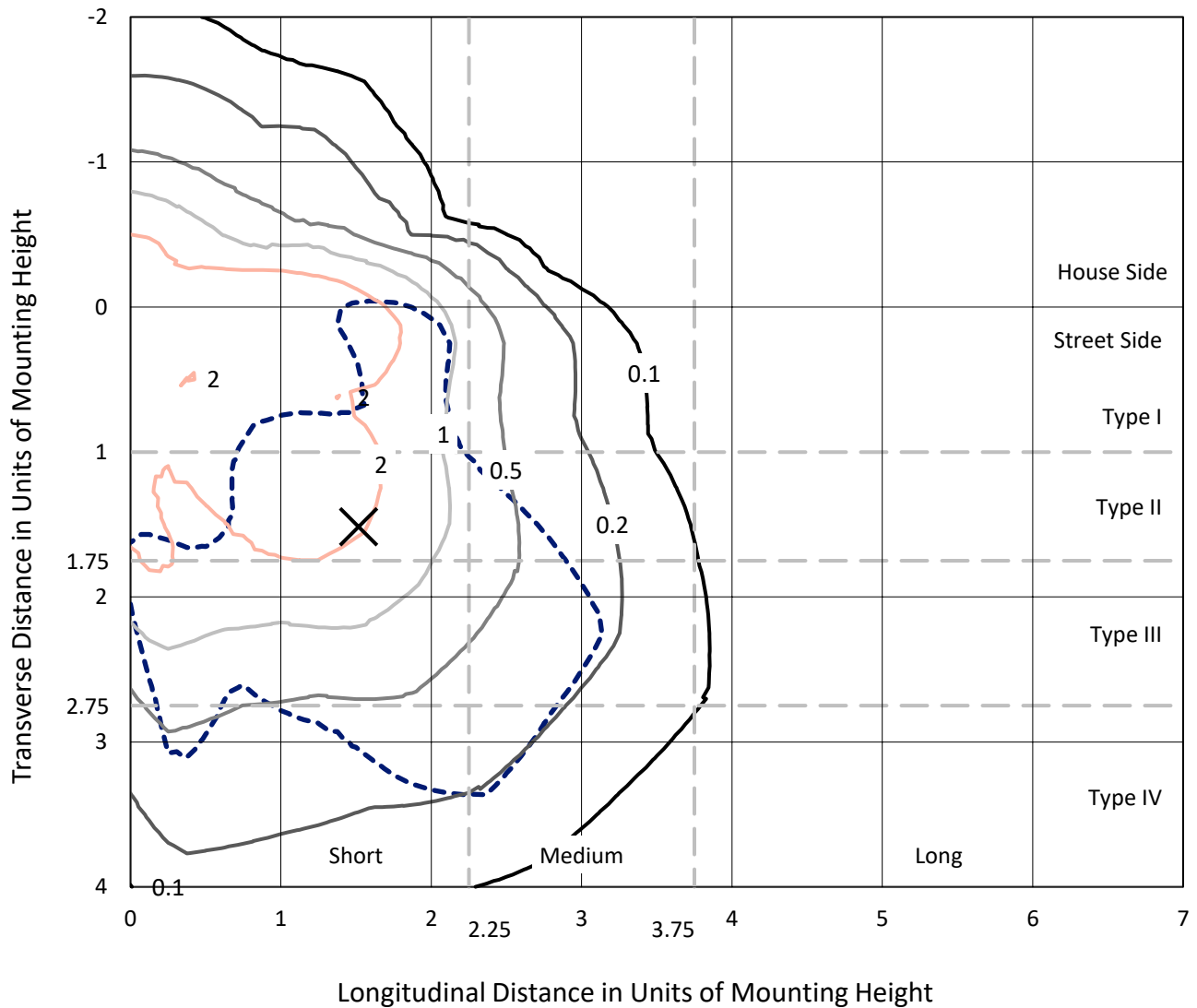
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

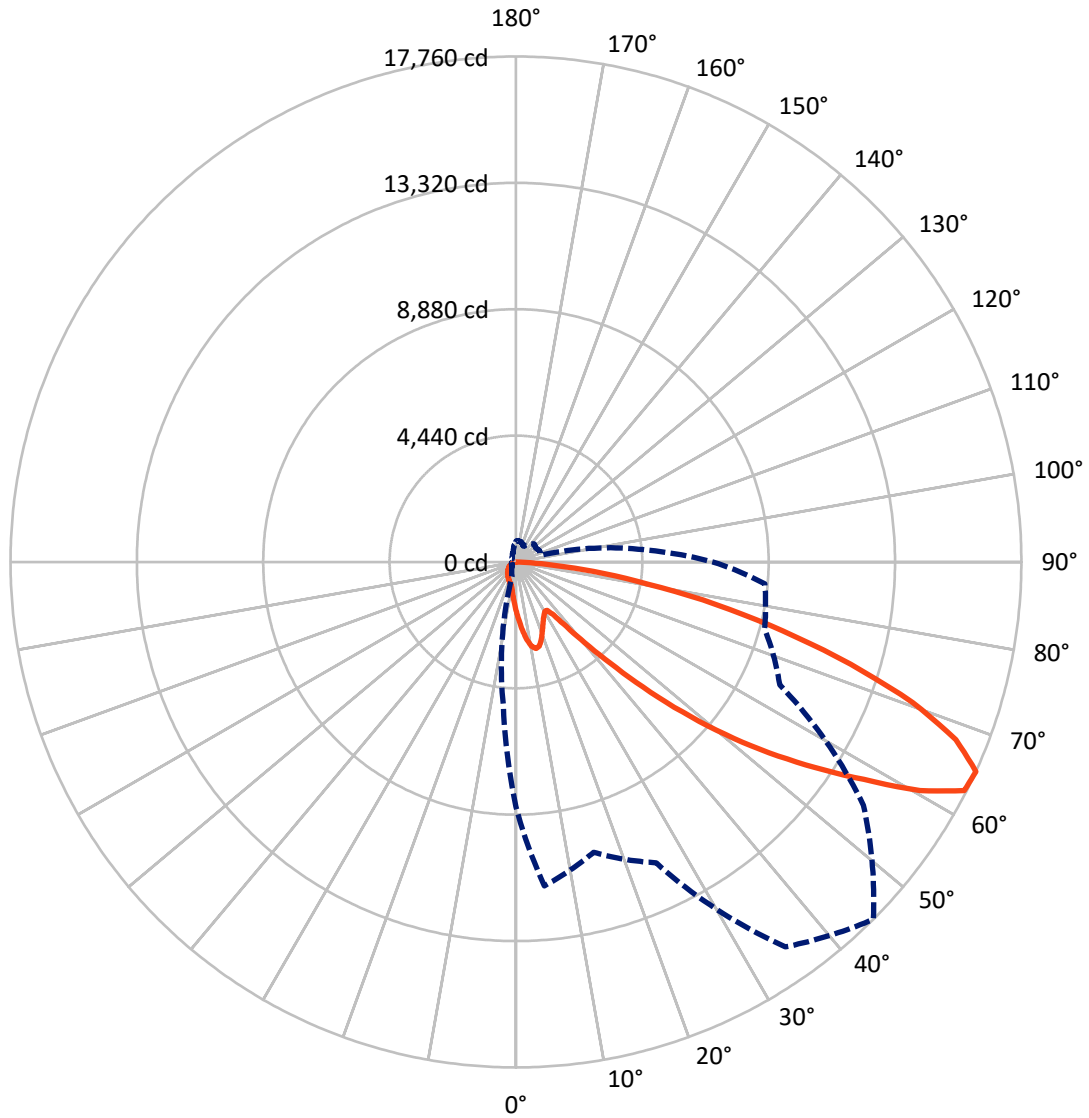
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	2511.8	0.0	2511.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	10125.1	0.0	10125.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	12637.0	0.0	12637.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	1.4
10°-20°	516.4	4.1
20°-30°	760.8	6.0
30°-40°	977.4	7.7
40°-50°	1580.8	12.5
50°-60°	2772.1	21.9
60°-70°	3468.6	27.4
70°-80°	2026.9	16.0
80°-90°	361.6	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°	12637.0	100.0
0°-180°	12637.0	100.0



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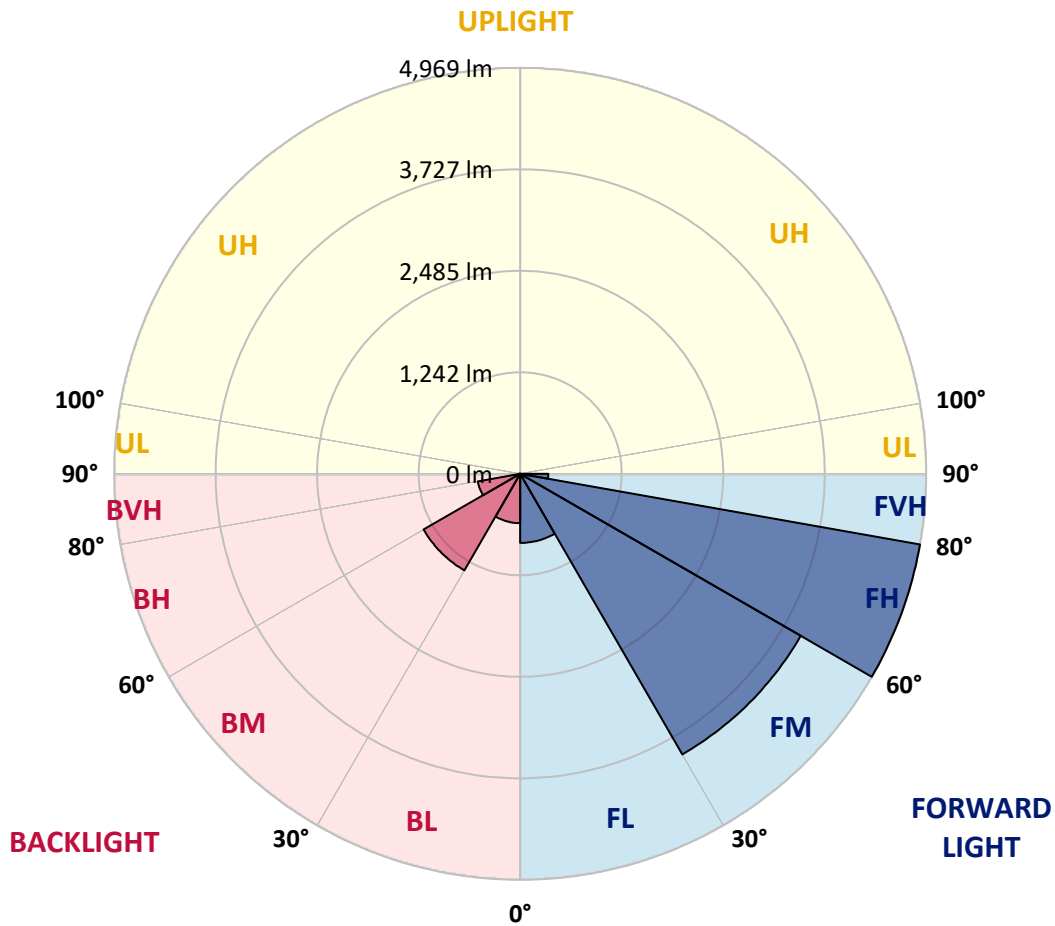
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.6	6.7			
FM (30°-60°)	3965.6	31.4			
FH (60°-80°)	4969.3	39.3			G2/5000
FVH (80°-90°)	344.7	2.7			G3/500
BL (0°-30°)	604.0	4.8	B2/1000		
BM (30°-60°)	1364.7	10.8	B2/2500		
BH (60°-80°)	526.3	4.2	B2/1000		G2/1000
BVH (80°-90°)	16.9	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°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
2.5°	1960.5	1975.3	2008.4	2025.8	2052.8	2054.5	2054.5	2031.0	2030.1	1982.3
5°	2191.2	2226.0	2304.4	2385.3	2402.7	2407.1	2398.4	2351.4	2316.6	2223.4
7.5°	2420.1	2487.2	2606.4	2714.4	2749.2	2749.2	2728.3	2651.7	2580.3	2445.4
10°	2609.9	2694.4	2856.3	2977.3	3017.4	3008.6	2966.0	2869.4	2771.0	2607.3
12.5°	2735.3	2830.2	3007.8	3105.3	3146.2	3123.6	3074.8	2980.8	2877.2	2704.8
15°	2798.0	2897.2	3051.3	3102.7	3091.3	3067.8	3061.7	3016.5	2938.1	2777.1
17.5°	2825.0	2917.2	3024.3	2992.1	2896.3	2878.1	2939.0	2996.5	2977.3	2839.8
20°	2850.2	2927.7	2959.9	2817.1	2650.0	2633.4	2750.1	2913.8	2997.3	2898.1
22.5°	2885.0	2932.9	2866.7	2632.6	2452.4	2414.1	2542.9	2789.3	3003.4	2972.1
25°	2932.9	2946.0	2764.0	2457.6	2276.5	2238.2	2358.3	2650.8	2993.0	3052.2
27.5°	2990.4	2963.4	2665.6	2311.3	2136.3	2100.7	2220.8	2517.7	2963.4	3132.3
30°	3065.2	2986.0	2568.1	2198.2	2036.2	2010.1	2125.9	2402.7	2926.8	3234.1
32.5°	3141.0	2995.6	2477.6	2132.0	2013.6	2023.2	2118.1	2340.9	2886.8	3331.6
35°	3222.8	3026.1	2433.2	2197.3	2202.5	2286.1	2325.3	2398.4	2880.7	3463.9
37.5°	3334.2	3094.0	2486.3	2522.0	2703.1	2876.3	2844.1	2679.6	2951.2	3661.6
40°	3494.4	3213.2	2717.9	3074.8	3446.5	3727.7	3605.0	3190.6	3167.1	3946.2
42.5°	3727.7	3403.0	3128.8	3750.4	4380.6	4843.8	4514.7	3849.6	3544.9	4352.8
45°	4072.5	3710.3	3625.9	4463.3	5532.4	6261.9	5577.7	4552.1	4074.2	4968.3
47.5°	4550.4	4162.1	4091.6	5214.6	6932.2	7875.9	6756.4	5203.3	4676.6	5807.5
50°	5185.0	4770.7	4533.0	6036.4	8467.0	9521.3	7934.3	5831.9	5367.0	6833.0
52.5°	6022.5	5619.4	5047.5	6819.1	10045.4	11131.8	9117.3	6383.8	6223.6	8023.1
55°	7164.7	6896.6	5750.9	7566.0	11622.8	12751.9	10254.3	6904.4	7355.3	9436.8
57.5°	8582.0	8773.5	6765.1	8432.2	13040.9	14421.7	11396.5	7632.2	8824.8	11017.8
60°	9496.0	11269.4	8707.3	9712.8	14652.3	16309.9	12961.7	9016.4	10369.2	11584.5
62.5°	9274.9	12063.3	11033.4	11347.7	16134.0	17682.8	14495.6	10406.6	10660.0	10749.6
65°	8596.8	11422.6	10559.0	11665.5	16509.2	17760.2	14905.7	10227.3	9042.5	8776.1
67.5°	7663.5	10662.6	9431.6	10822.8	15831.1	16677.3	14142.2	9046.8	6988.0	6585.8
70°	6656.3	9821.6	8691.6	9877.3	14538.3	14789.9	12844.2	7956.9	5139.8	4447.7
72.5°	5700.4	8945.8	8185.0	8908.4	12813.7	12293.1	11154.5	6993.2	3742.5	3208.0
75°	4722.8	7653.9	7463.3	7757.5	10545.9	9683.2	9268.0	5790.1	2937.3	2320.9
77.5°	3644.2	5980.7	6419.5	6212.3	7423.2	7192.5	7183.8	4351.0	2145.9	1548.7
80°	2494.1	4168.2	5015.3	4382.4	4817.7	4700.1	5410.5	2919.0	1556.6	932.4
82.5°	1466.0	2537.7	3490.9	2121.5	2663.9	2734.4	3221.9	1419.9	915.8	215.0
85°	594.6	1002.0	1365.0	830.5	1284.9	1083.8	1223.1	398.7	255.1	5.2
87.5°	149.7	320.4	224.6	93.1	148.9	136.7	107.9	48.8	10.4	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1977.0	2.5°	1943.1	1923.1	1873.4	1823.8	1783.8	1729.8	1694.1	1651.4	1610.5	1574.0
2203.4	5°	2148.5	2082.4	1991.8	1909.1	1824.7	1742.9	1661.9	1576.6	1498.2	1450.3
2394.9	7.5°	2315.7	2199.0	2078.9	1973.6	1871.7	1775.9	1668.9	1565.3	1442.5	1377.2
2541.2	10°	2440.2	2287.0	2129.4	2008.4	1905.6	1812.5	1722.0	1617.5	1469.5	1387.7
2630.0	12.5°	2522.0	2340.1	2155.5	2017.1	1902.2	1829.9	1789.9	1748.9	1601.8	1506.1
2695.2	15°	2578.6	2377.5	2173.8	1997.1	1856.0	1802.9	1843.0	1890.0	1796.0	1685.4
2763.1	17.5°	2640.4	2426.2	2181.6	1943.1	1766.4	1743.7	1847.3	1956.1	1951.8	1842.1
2827.6	20°	2705.7	2468.9	2176.4	1856.0	1657.5	1677.6	1809.9	1936.1	1989.2	1930.0
2901.6	22.5°	2772.7	2509.8	2156.4	1742.9	1555.7	1618.4	1750.7	1861.3	1923.9	1905.6
2992.1	25°	2857.2	2567.3	2126.8	1621.0	1471.2	1558.3	1681.9	1771.6	1815.1	1814.2
3089.6	27.5°	2958.2	2643.9	2111.1	1522.6	1411.2	1490.4	1600.1	1680.2	1710.6	1710.6
3210.6	30°	3075.7	2734.4	2093.7	1458.2	1376.4	1419.9	1505.2	1583.5	1614.0	1614.0
3342.9	32.5°	3206.3	2821.5	2051.9	1419.0	1350.2	1351.1	1405.1	1476.5	1513.0	1518.3
3508.3	35°	3363.0	2914.6	1960.5	1387.7	1319.8	1284.1	1310.2	1369.4	1412.9	1424.2
3744.3	37.5°	3568.4	3028.7	1829.9	1341.5	1272.8	1213.6	1219.7	1264.9	1312.8	1330.2
4069.9	40°	3844.4	3162.7	1694.1	1275.4	1206.6	1136.1	1133.5	1166.5	1213.6	1232.7
4510.4	42.5°	4209.1	3323.8	1564.4	1211.8	1126.5	1054.2	1049.9	1076.0	1116.9	1136.9
5091.9	45°	4675.8	3521.4	1453.0	1162.2	1048.2	976.8	975.0	996.8	1032.5	1053.4
5836.2	47.5°	5324.3	3719.0	1377.2	1136.1	986.3	913.2	916.7	935.8	968.1	982.9
6799.9	50°	6169.6	3779.1	1338.9	1136.1	953.3	856.6	874.0	889.7	914.1	922.8
7955.2	52.5°	6981.0	3580.6	1304.1	1143.0	957.6	808.7	846.2	857.5	878.4	881.9
9025.9	55°	7378.8	3078.3	1256.2	1144.8	984.6	767.8	823.5	844.4	852.3	851.4
9647.5	57.5°	7242.2	2488.9	1175.3	1137.8	1002.9	741.7	795.7	835.7	841.0	833.1
9529.1	60°	6762.5	1832.5	1113.4	1086.5	995.9	733.9	753.0	816.6	824.4	814.0
8616.8	62.5°	5958.1	1271.9	1065.6	973.3	965.4	731.3	686.0	774.8	793.9	779.1
6926.2	65°	4690.6	898.4	917.6	853.1	899.3	717.3	616.4	724.3	750.4	727.8
5024.9	67.5°	3174.1	648.6	743.5	773.1	792.2	686.0	565.9	666.8	701.7	672.1
3224.5	70°	1714.1	455.3	491.0	651.2	672.9	632.0	520.6	608.5	648.6	616.4
2292.2	72.5°	1012.5	327.3	343.9	523.2	560.6	556.3	470.1	540.6	589.4	551.1
1581.8	75°	558.0	221.1	245.5	379.6	455.3	429.2	403.9	457.9	507.5	470.1
991.6	77.5°	249.8	132.3	170.6	249.0	357.8	294.2	312.5	356.9	403.1	363.9
551.9	80°	96.6	74.0	113.2	135.8	260.3	162.8	201.1	262.9	296.0	264.6
120.1	82.5°	12.2	33.1	48.8	53.1	151.5	86.2	116.7	165.4	162.8	141.0
0.0	85°	0.0	6.1	7.0	3.5	65.3	31.3	38.3	54.0	50.5	38.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1567.0	2.5°	1524.3	1493.0	1477.3	1464.3	1476.5	1483.4	1483.4	1513.0	1530.4	1537.4
1419.9	5°	1343.3	1284.9	1245.8	1222.3	1230.1	1238.8	1248.4	1285.8	1311.1	1327.6
1318.0	7.5°	1200.5	1111.7	1056.9	1028.1	1032.5	1038.6	1046.4	1083.0	1108.2	1130.0
1298.9	10°	1130.0	1004.6	932.4	897.5	891.5	888.0	885.4	907.1	926.3	943.7
1377.2	12.5°	1133.5	958.5	870.6	827.9	809.6	788.7	772.2	775.7	787.9	809.6
1517.4	15°	1177.9	943.7	838.3	785.2	754.8	730.4	710.4	706.0	710.4	713.9
1677.6	17.5°	1237.9	941.9	810.5	744.3	713.0	693.0	674.7	668.6	669.5	673.8
1783.8	20°	1285.8	936.7	779.1	705.2	677.3	659.9	641.6	635.5	637.2	638.1
1794.2	22.5°	1311.1	928.9	744.3	666.0	642.5	625.1	608.5	607.6	607.6	612.9
1737.6	25°	1311.1	912.3	713.0	628.5	607.6	592.0	572.0	575.4	577.2	584.1
1649.7	27.5°	1279.7	881.0	687.7	596.3	574.6	558.9	540.6	545.0	547.6	555.4
1562.7	30°	1239.7	843.6	659.0	565.9	540.6	529.3	513.6	515.4	518.9	527.6
1481.7	32.5°	1197.0	799.2	635.5	535.4	510.1	501.4	484.0	486.6	490.1	499.7
1401.6	35°	1150.0	746.9	607.6	507.5	482.3	475.3	455.3	457.0	462.3	472.7
1315.4	37.5°	1100.4	704.3	579.8	480.5	454.4	447.5	426.6	428.3	434.4	446.6
1224.9	40°	1051.6	662.5	550.2	451.8	425.7	419.6	397.0	398.7	405.7	418.7
1133.5	42.5°	998.5	630.3	511.9	422.2	394.4	388.3	367.4	370.0	377.8	390.9
1049.0	45°	935.0	609.4	469.2	394.4	363.0	356.9	337.8	343.0	351.7	364.8
976.8	47.5°	869.7	600.7	433.5	364.8	330.8	325.6	309.9	318.6	328.2	338.6
915.0	50°	807.0	589.4	397.0	336.9	303.0	297.7	287.3	298.6	308.2	317.8
870.6	52.5°	735.6	565.0	363.9	312.5	279.4	277.7	272.5	282.9	291.6	300.3
832.3	55°	661.6	525.8	335.2	290.8	259.4	261.2	258.6	267.3	274.2	282.1
797.4	57.5°	597.2	476.2	312.5	267.3	242.0	247.2	243.8	248.1	252.5	262.0
755.6	60°	531.9	417.0	287.3	239.4	224.6	230.7	221.1	220.3	222.0	224.6
693.8	62.5°	444.0	355.2	255.9	215.0	205.5	208.1	189.8	175.9	175.9	178.5
607.6	65°	356.9	297.7	221.1	187.2	179.3	177.6	151.5	132.3	130.6	138.4
507.5	67.5°	293.4	247.2	186.3	155.8	150.6	152.3	133.2	114.0	112.3	121.0
413.5	70°	242.9	199.4	148.9	120.1	125.4	133.2	114.0	95.8	93.1	101.0
336.0	72.5°	193.3	155.8	114.0	88.8	103.6	113.2	93.1	75.7	74.0	81.0
259.4	75°	141.9	111.4	77.5	64.4	80.1	88.8	67.9	54.0	51.4	57.5
173.2	77.5°	87.9	62.7	48.8	38.3	54.8	59.2	35.7	31.3	30.5	34.8
105.3	80°	40.9	27.0	23.5	13.1	20.0	23.5	14.8	16.5	17.4	20.9
53.1	82.5°	11.3	4.4	0.9	0.0	0.0	7.0	3.5	7.0	8.7	13.1
4.4	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.4	7.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1586.2	2.5°	1622.7	1657.5	1713.3	1770.7	1827.3	1884.8	1940.5	1960.5
1403.3	5°	1472.1	1552.2	1662.8	1781.2	1903.0	2026.7	2139.8	2191.2
1214.4	7.5°	1304.1	1419.0	1585.3	1770.7	1964.8	2159.0	2337.4	2420.1
1027.3	10°	1124.8	1270.1	1459.9	1710.6	1989.2	2257.4	2502.9	2609.9
862.7	12.5°	954.1	1106.5	1316.3	1616.6	1970.1	2313.9	2609.1	2735.3
746.9	15°	811.4	946.3	1172.6	1505.2	1908.3	2317.4	2659.6	2798.0
682.5	17.5°	704.3	792.2	1026.4	1381.6	1827.3	2285.2	2677.0	2825.0
647.7	20°	651.2	675.6	836.6	1223.1	1751.6	2254.7	2694.4	2850.2
619.8	22.5°	619.8	625.9	684.3	1018.6	1661.0	2245.2	2724.8	2885.0
594.6	25°	594.6	596.3	612.0	807.0	1522.6	2239.1	2771.9	2932.9
568.5	27.5°	569.3	569.3	578.1	650.3	1334.6	2213.0	2832.8	2990.4
542.4	30°	544.1	544.1	550.2	575.4	1114.3	2161.6	2905.9	3065.2
516.2	32.5°	518.0	518.0	523.2	541.5	889.7	2097.2	2973.0	3141.0
489.3	35°	491.9	490.1	497.1	516.2	707.8	2015.3	3040.0	3222.8
462.3	37.5°	464.0	463.1	470.1	491.9	611.1	1920.4	3090.5	3334.2
435.3	40°	434.4	434.4	442.2	465.7	583.3	1801.2	3170.6	3494.4
407.4	42.5°	407.4	405.7	414.4	443.1	562.4	1687.1	3314.2	3727.7
382.2	45°	381.3	377.8	385.7	421.3	525.8	1647.1	3582.3	4072.5
357.8	47.5°	356.9	348.2	355.2	395.2	492.7	1796.8	4021.1	4550.4
336.0	50°	336.9	320.4	326.5	369.1	467.5	2121.5	4590.4	5185.0
316.0	52.5°	316.0	294.2	297.7	336.9	444.9	2430.6	5207.7	6022.5
296.0	55°	294.2	269.9	271.6	304.7	412.6	2476.7	5810.1	7164.7
273.4	57.5°	269.9	247.2	247.2	275.1	389.1	2146.8	6273.2	8582.0
245.5	60°	242.9	228.1	223.7	251.6	410.0	1514.8	6327.2	9496.0
209.8	62.5°	213.3	205.5	199.4	229.0	425.7	897.5	5892.8	9274.9
165.4	65°	179.3	177.6	173.2	251.6	358.7	530.2	5058.8	8596.8
141.0	67.5°	150.6	148.0	148.0	263.8	272.5	333.4	3952.3	7663.5
120.1	70°	129.7	120.1	120.1	199.4	165.4	230.7	2759.7	6656.3
99.2	72.5°	108.8	98.4	91.4	159.3	123.6	168.9	1724.6	5700.4
75.7	75°	87.1	79.2	70.5	105.3	92.3	128.0	1002.0	4722.8
47.9	77.5°	62.7	59.2	49.6	77.5	67.0	92.3	596.3	3644.2
29.6	80°	32.2	33.1	31.3	44.4	45.3	62.7	339.5	2494.1
19.2	82.5°	19.2	14.8	16.5	21.8	26.1	35.7	128.0	1466.0
13.9	85°	12.2	7.8	7.8	10.4	13.1	13.9	39.2	594.6
7.0	87.5°	6.1	2.6	3.5	5.2	4.4	3.5	1.7	149.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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