

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: P948724

Luminaire Tested: **GALN-SB3C-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948724
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-SB3C-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA 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: 12427 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

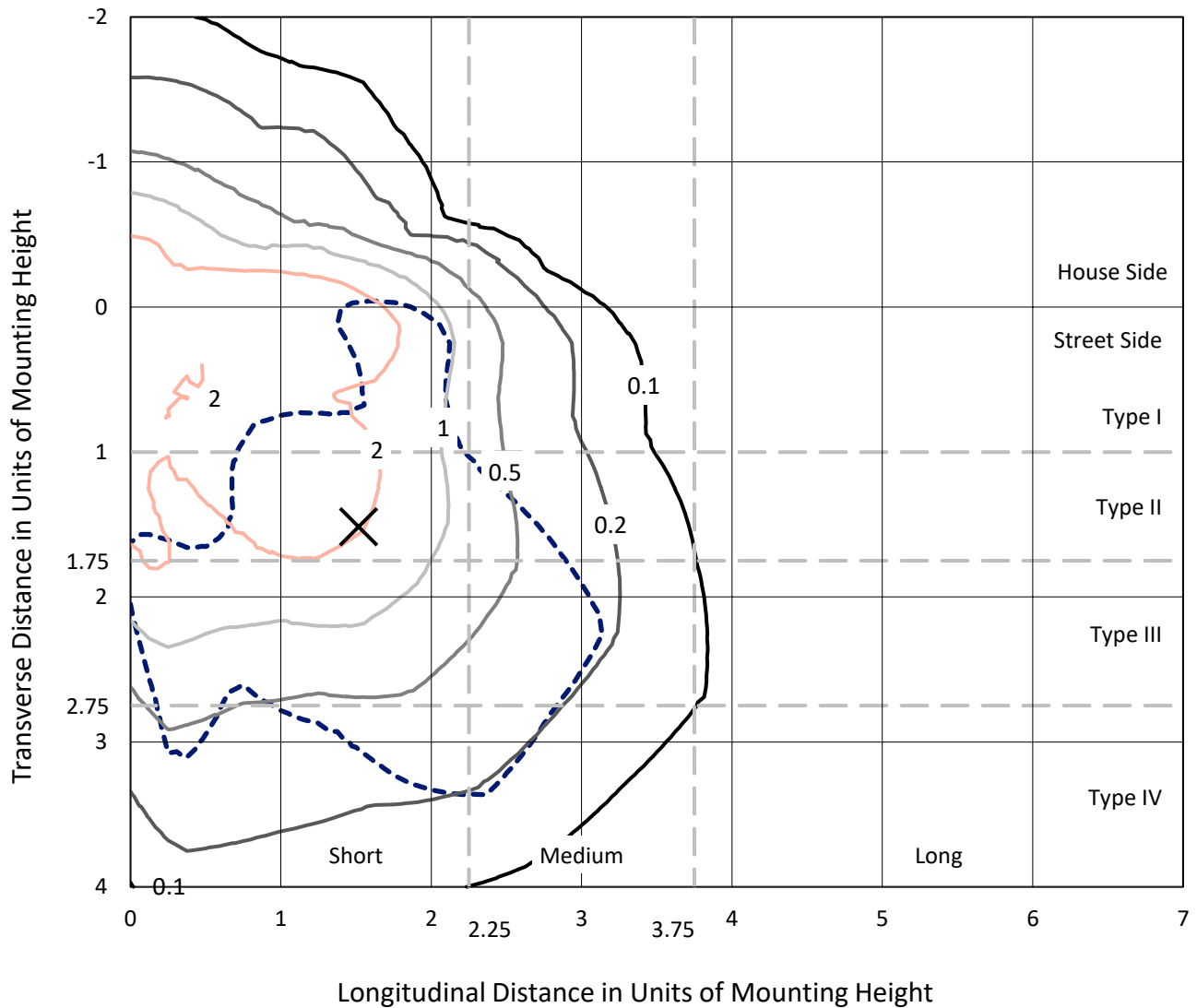
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

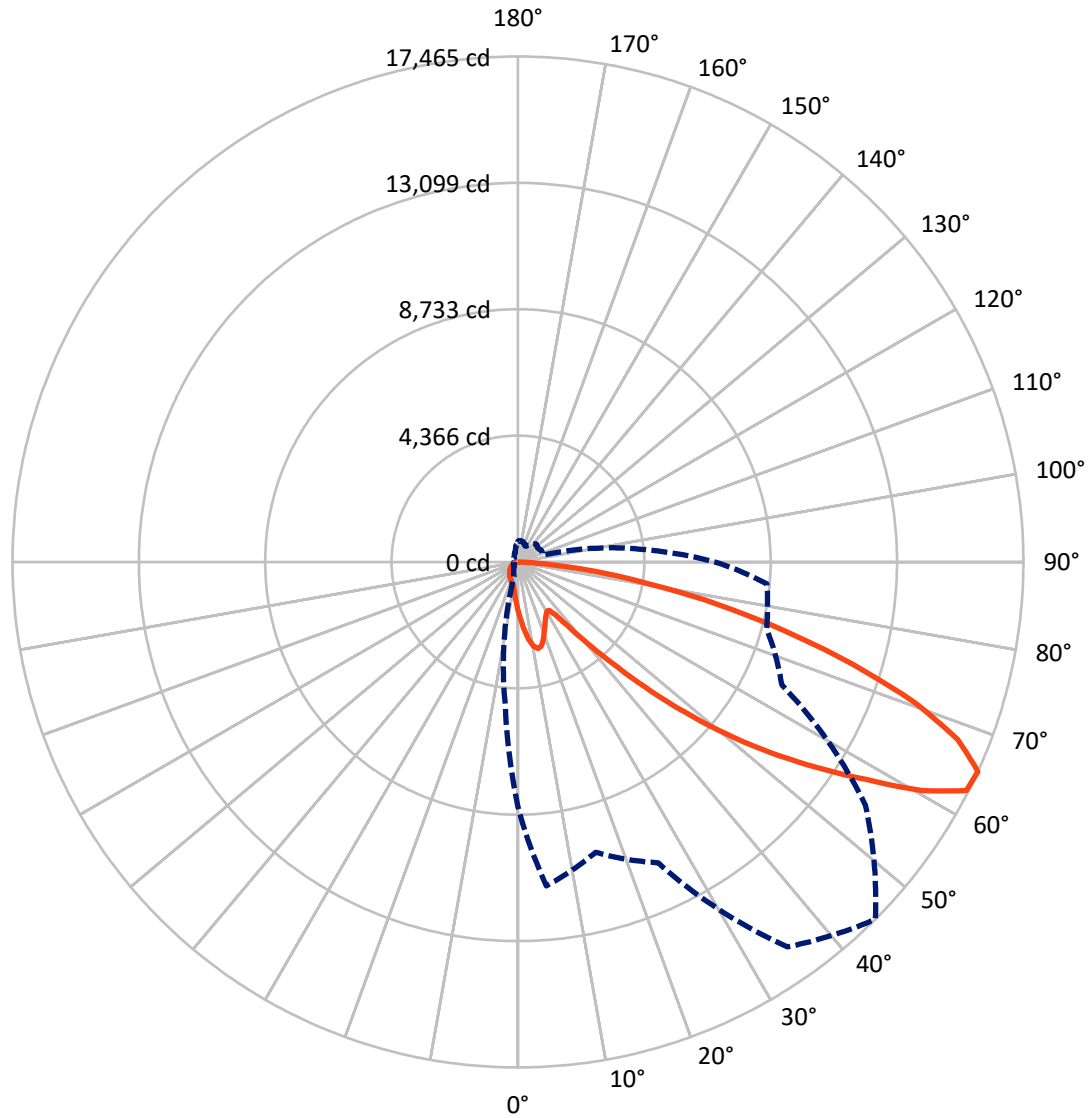
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	2470.1	0.0	2470.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	9956.9	0.0	9956.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	12427.0	0.0	12427.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	1.4
10°-20°	507.8	4.1
20°-30°	748.2	6.0
30°-40°	961.2	7.7
40°-50°	1554.5	12.5
50°-60°	2726.0	21.9
60°-70°	3411.0	27.4
70°-80°	1993.2	16.0
80°-90°	355.6	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°	12427.0	100.0
0°-180°	12427.0	100.0

Coefficient of Utilization



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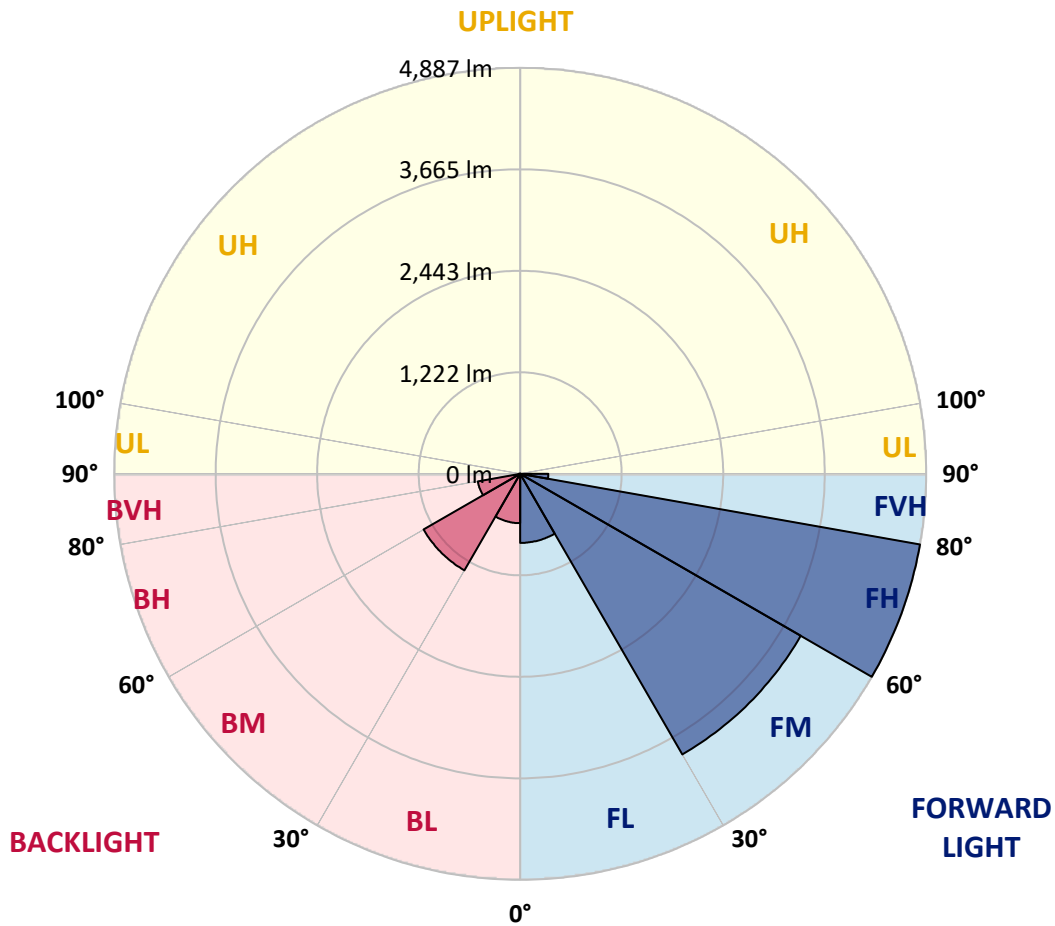
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.5	6.7			
FM (30°-60°)	3899.7	31.4			
FH (60°-80°)	4886.7	39.3			G2/5000
FVH (80°-90°)	339.0	2.7			G3/500
BL (0°-30°)	593.9	4.8	B2/1000		
BM (30°-60°)	1342.0	10.8	B2/2500		
BH (60°-80°)	517.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	16.7	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°	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7
2.5°	1927.9	1942.5	1975.0	1992.1	2018.7	2020.4	2020.4	1997.3	1996.4	1949.3
5°	2154.8	2189.0	2266.1	2345.7	2362.8	2367.1	2358.5	2312.3	2278.1	2186.5
7.5°	2379.9	2445.9	2563.1	2669.3	2703.5	2703.5	2683.0	2607.7	2537.5	2404.8
10°	2566.6	2649.6	2808.8	2927.8	2967.2	2958.6	2916.7	2821.7	2724.9	2564.0
12.5°	2689.8	2783.2	2957.8	3053.7	3093.9	3071.7	3023.7	2931.3	2829.4	2659.9
15°	2751.5	2849.1	3000.6	3051.1	3040.0	3016.9	3010.9	2966.4	2889.3	2730.9
17.5°	2778.0	2868.8	2974.1	2942.4	2848.2	2830.2	2890.2	2946.7	2927.8	2792.6
20°	2802.8	2879.0	2910.7	2770.3	2605.9	2589.7	2704.4	2865.3	2947.5	2849.9
22.5°	2837.1	2884.2	2819.1	2588.8	2411.6	2373.9	2500.6	2742.9	2953.5	2922.7
25°	2884.2	2897.0	2718.1	2416.7	2238.7	2201.0	2319.1	2606.8	2943.2	3001.5
27.5°	2940.7	2914.1	2621.3	2272.9	2100.8	2065.7	2183.9	2475.8	2914.1	3080.2
30°	3014.3	2936.4	2525.5	2161.6	2002.4	1976.7	2090.6	2362.8	2878.2	3180.4
32.5°	3088.8	2945.8	2436.4	2096.6	1980.1	1989.6	2082.9	2302.0	2838.8	3276.3
35°	3169.2	2975.8	2392.8	2160.8	2165.9	2248.1	2286.6	2358.5	2832.8	3406.4
37.5°	3278.8	3042.5	2445.0	2480.1	2658.2	2828.5	2796.8	2635.0	2902.1	3600.7
40°	3436.3	3159.8	2672.7	3023.7	3389.3	3665.8	3545.1	3137.6	3114.5	3880.7
42.5°	3665.8	3346.5	3076.8	3688.0	4307.8	4763.3	4439.7	3785.6	3486.0	4280.5
45°	4004.8	3648.7	3565.6	4389.2	5440.5	6157.9	5485.0	4476.5	4006.5	4885.7
47.5°	4474.8	4093.0	4023.6	5128.0	6817.0	7745.1	6644.1	5116.9	4598.9	5711.0
50°	5098.9	4691.4	4457.7	5936.1	8326.3	9363.1	7802.4	5735.0	5277.8	6719.5
52.5°	5922.4	5526.1	4963.6	6705.8	9878.4	10946.8	8965.8	6277.7	6120.2	7889.7
55°	7045.6	6781.9	5655.3	7440.3	11429.7	12540.0	10083.9	6789.7	7233.1	9280.0
57.5°	8439.3	8627.7	6652.7	8292.1	12824.2	14182.0	11207.1	7505.3	8678.2	10834.7
60°	9338.2	11082.1	8562.6	9551.4	14408.9	16038.9	12746.3	8866.5	10196.9	11392.0
62.5°	9120.8	11862.8	10850.1	11159.1	15865.9	17388.9	14254.8	10233.7	10482.8	10571.0
65°	8453.9	11232.8	10383.5	11471.6	16234.9	17465.1	14658.0	10057.4	8892.2	8630.2
67.5°	7536.2	10485.4	9274.9	10642.9	15568.0	16400.1	13907.2	8896.5	6871.8	6476.3
70°	6545.7	9658.4	8547.2	9713.2	14296.7	14544.1	12630.8	7824.7	5054.4	4373.8
72.5°	5605.7	8797.2	8049.0	8760.4	12600.8	12088.9	10969.1	6877.0	3680.3	3154.7
75°	4644.3	7526.7	7339.3	7628.6	10370.7	9522.3	9113.9	5693.9	2888.4	2282.3
77.5°	3583.6	5881.3	6312.8	6109.1	7299.9	7073.0	7064.5	4278.7	2110.3	1523.0
80°	2452.7	4099.0	4931.9	4309.6	4737.6	4622.0	5320.6	2870.5	1530.7	916.9
82.5°	1441.7	2495.5	3432.9	2086.3	2619.6	2689.0	3168.4	1396.3	900.6	211.5
85°	584.7	985.4	1342.3	816.7	1263.6	1065.8	1202.8	392.1	250.8	5.1
87.5°	147.2	315.0	220.9	91.6	146.4	134.4	106.2	47.9	10.3	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°
1720.7	0°	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7
1944.2	2.5°	1910.8	1891.1	1842.3	1793.5	1754.1	1701.1	1666.0	1624.0	1583.8	1547.8
2166.8	5°	2112.8	2047.8	1958.7	1877.4	1794.4	1713.9	1634.3	1550.4	1473.3	1426.2
2355.1	7.5°	2277.2	2162.5	2044.3	1940.8	1840.6	1746.4	1641.1	1539.3	1418.5	1354.3
2498.9	10°	2399.6	2248.9	2094.0	1975.0	1874.0	1782.4	1693.3	1590.6	1445.1	1364.6
2586.2	12.5°	2480.1	2301.2	2119.7	1983.6	1870.6	1799.5	1760.1	1719.9	1575.2	1481.0
2650.5	15°	2535.7	2338.0	2137.7	1963.9	1825.2	1773.0	1812.3	1858.6	1766.1	1657.4
2717.2	17.5°	2596.5	2385.9	2145.4	1910.8	1737.0	1714.7	1816.6	1923.6	1919.4	1811.5
2780.6	20°	2660.7	2427.9	2140.2	1825.2	1630.0	1649.7	1779.8	1903.9	1956.2	1898.0
2853.3	22.5°	2726.6	2468.1	2120.5	1713.9	1529.8	1591.5	1721.6	1830.3	1892.0	1874.0
2942.4	25°	2809.7	2524.6	2091.4	1594.0	1446.8	1532.4	1654.0	1742.1	1784.9	1784.1
3038.3	27.5°	2909.0	2599.9	2076.0	1497.3	1387.7	1465.6	1573.5	1652.3	1682.2	1682.2
3157.3	30°	3024.6	2689.0	2058.9	1434.0	1353.5	1396.3	1480.2	1557.2	1587.2	1587.2
3287.4	32.5°	3153.0	2774.6	2017.8	1395.4	1327.8	1328.7	1381.7	1451.9	1487.9	1493.0
3450.0	35°	3307.1	2866.2	1927.9	1364.6	1297.8	1262.7	1288.4	1346.6	1389.4	1400.6
3682.0	37.5°	3509.1	2978.3	1799.5	1319.2	1251.6	1193.4	1199.4	1243.9	1291.0	1308.1
4002.2	40°	3780.5	3110.2	1666.0	1254.2	1186.5	1117.2	1114.6	1147.2	1193.4	1212.2
4435.4	42.5°	4139.2	3268.6	1538.4	1191.7	1107.8	1036.7	1032.4	1058.1	1098.4	1118.1
5007.3	45°	4598.1	3462.9	1428.8	1142.9	1030.7	960.5	958.8	980.2	1015.3	1035.9
5739.2	47.5°	5235.8	3657.2	1354.3	1117.2	970.0	898.0	901.5	920.3	952.0	966.5
6686.9	50°	6067.1	3716.3	1316.7	1117.2	937.4	842.4	859.5	874.9	898.9	907.5
7823.0	52.5°	6865.0	3521.1	1282.4	1124.0	941.7	795.3	832.1	843.2	863.8	867.2
8875.9	55°	7256.2	3027.1	1235.3	1125.8	968.2	755.1	809.9	830.4	838.1	837.3
9487.2	57.5°	7121.8	2447.6	1155.7	1118.9	986.2	729.4	782.5	821.8	827.0	819.3
9370.8	60°	6650.1	1802.1	1094.9	1068.4	979.4	721.7	740.5	803.0	810.7	800.4
8473.6	62.5°	5859.1	1250.7	1047.9	957.1	949.4	719.1	674.6	761.9	780.8	766.2
6811.1	65°	4612.6	883.5	902.3	839.0	884.3	705.4	606.1	712.3	737.9	715.7
4941.4	67.5°	3121.3	637.8	731.1	760.2	779.0	674.6	556.5	655.8	690.0	660.9
3171.0	70°	1685.6	447.7	482.8	640.4	661.8	621.5	511.9	598.4	637.8	606.1
2254.1	72.5°	995.6	321.9	338.2	514.5	551.3	547.0	462.3	531.6	579.6	541.9
1555.5	75°	548.8	217.4	241.4	373.3	447.7	422.1	397.2	450.3	499.1	462.3
975.1	77.5°	245.7	130.1	167.8	244.8	351.9	289.4	307.3	351.0	396.4	357.8
542.8	80°	95.0	72.8	111.3	133.6	256.0	160.1	197.8	258.5	291.1	260.3
118.1	82.5°	12.0	32.5	47.9	52.2	149.0	84.8	114.7	162.7	160.1	138.7
0.0	85°	0.0	6.0	6.8	3.4	64.2	30.8	37.7	53.1	49.7	37.7
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°
1720.7	0°	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7
1541.0	2.5°	1499.0	1468.2	1452.8	1439.9	1451.9	1458.8	1458.8	1487.9	1505.0	1511.9
1396.3	5°	1320.9	1263.6	1225.1	1202.0	1209.7	1218.2	1227.6	1264.4	1289.3	1305.5
1296.1	7.5°	1180.5	1093.2	1039.3	1011.0	1015.3	1021.3	1029.0	1065.0	1089.8	1111.2
1277.3	10°	1111.2	987.9	916.9	882.6	876.6	873.2	870.6	892.0	910.9	928.0
1354.3	12.5°	1114.6	942.6	856.1	814.1	796.2	775.6	759.4	762.8	774.8	796.2
1492.2	15°	1158.3	928.0	824.4	772.2	742.2	718.3	698.6	694.3	698.6	702.0
1649.7	17.5°	1217.4	926.3	797.0	732.0	701.1	681.4	663.5	657.5	658.3	662.6
1754.1	20°	1264.4	921.2	766.2	693.4	666.0	648.9	630.9	624.9	626.7	627.5
1764.4	22.5°	1289.3	913.4	732.0	654.9	631.8	614.7	598.4	597.6	597.6	602.7
1708.8	25°	1289.3	897.2	701.1	618.1	597.6	582.1	562.5	565.9	567.6	574.4
1622.3	27.5°	1258.5	866.4	676.3	586.4	565.0	549.6	531.6	535.9	538.5	546.2
1536.7	30°	1219.1	829.6	648.1	556.5	531.6	520.5	505.1	506.8	510.2	518.8
1457.1	32.5°	1177.1	785.9	624.9	526.5	501.7	493.1	476.0	478.6	482.0	491.4
1378.3	35°	1130.9	734.5	597.6	499.1	474.3	467.4	447.7	449.4	454.6	464.9
1293.6	37.5°	1082.1	692.6	570.2	472.6	446.9	440.0	419.5	421.2	427.2	439.2
1204.5	40°	1034.2	651.5	541.0	444.3	418.6	412.6	390.4	392.1	398.9	411.8
1114.6	42.5°	981.9	619.8	503.4	415.2	387.8	381.8	361.3	363.8	371.5	384.4
1031.6	45°	919.4	599.3	461.4	387.8	357.0	351.0	332.2	337.3	345.9	358.7
960.5	47.5°	855.2	590.7	426.3	358.7	325.3	320.2	304.8	313.3	322.7	333.0
899.8	50°	793.6	579.6	390.4	331.3	297.9	292.8	282.5	293.6	303.1	312.5
856.1	52.5°	723.4	555.6	357.8	307.3	274.8	273.1	268.0	278.2	286.8	295.4
818.4	55°	650.6	517.1	329.6	285.9	255.1	256.8	254.3	262.8	269.7	277.4
784.2	57.5°	587.3	468.3	307.3	262.8	238.0	243.1	239.7	244.0	248.3	257.7
743.1	60°	523.1	410.1	282.5	235.4	220.9	226.9	217.4	216.6	218.3	220.9
682.3	62.5°	436.6	349.3	251.7	211.5	202.0	204.6	186.6	172.9	172.9	175.5
597.6	65°	351.0	292.8	217.4	184.1	176.4	174.6	149.0	130.1	128.4	136.1
499.1	67.5°	288.5	243.1	183.2	153.2	148.1	149.8	131.0	112.1	110.4	119.0
406.6	70°	238.8	196.0	146.4	118.1	123.3	131.0	112.1	94.2	91.6	99.3
330.5	72.5°	190.1	153.2	112.1	87.3	101.9	111.3	91.6	74.5	72.8	79.6
255.1	75°	139.5	109.6	76.2	63.4	78.8	87.3	66.8	53.1	50.5	56.5
170.4	77.5°	86.5	61.6	47.9	37.7	53.9	58.2	35.1	30.8	30.0	34.2
103.6	80°	40.2	26.5	23.1	12.8	19.7	23.1	14.6	16.3	17.1	20.5
52.2	82.5°	11.1	4.3	0.9	0.0	0.0	6.8	3.4	6.8	8.6	12.8
4.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.3	7.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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°
1720.7	0°	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7	1720.7
1559.8	2.5°	1595.8	1630.0	1684.8	1741.3	1796.9	1853.4	1908.2	1927.9
1380.0	5°	1447.6	1526.4	1635.1	1751.6	1871.4	1993.0	2104.3	2154.8
1194.2	7.5°	1282.4	1395.4	1558.9	1741.3	1932.2	2123.1	2298.6	2379.9
1010.2	10°	1106.1	1249.0	1435.7	1682.2	1956.2	2219.8	2461.3	2566.6
848.4	12.5°	938.3	1088.1	1294.4	1589.8	1937.3	2275.5	2565.7	2689.8
734.5	15°	797.9	930.6	1153.2	1480.2	1876.6	2278.9	2615.4	2751.5
671.2	17.5°	692.6	779.0	1009.3	1358.6	1796.9	2247.2	2632.5	2778.0
636.9	20°	640.4	664.3	822.7	1202.8	1722.5	2217.3	2649.6	2802.8
609.5	22.5°	609.5	615.5	672.9	1001.6	1633.4	2207.9	2679.6	2837.1
584.7	25°	584.7	586.4	601.8	793.6	1497.3	2201.9	2725.8	2884.2
559.0	27.5°	559.9	559.9	568.4	639.5	1312.4	2176.2	2785.7	2940.7
533.3	30°	535.1	535.1	541.0	565.9	1095.8	2125.7	2857.6	3014.3
507.7	32.5°	509.4	509.4	514.5	532.5	874.9	2062.3	2923.5	3088.8
481.1	35°	483.7	482.0	488.8	507.7	696.0	1981.8	2989.5	3169.2
454.6	37.5°	456.3	455.4	462.3	483.7	601.0	1888.5	3039.1	3278.8
428.0	40°	427.2	427.2	434.9	458.0	573.6	1771.3	3117.9	3436.3
400.7	42.5°	400.7	398.9	407.5	435.8	553.0	1659.1	3259.1	3665.8
375.8	45°	375.0	371.5	379.2	414.3	517.1	1619.7	3522.8	4004.8
351.9	47.5°	351.0	342.4	349.3	388.7	484.5	1767.0	3954.3	4474.8
330.5	50°	331.3	315.0	321.0	363.0	459.7	2086.3	4514.2	5098.9
310.8	52.5°	310.8	289.4	292.8	331.3	437.5	2390.2	5121.1	5922.4
291.1	55°	289.4	265.4	267.1	299.6	405.8	2435.6	5713.5	7045.6
268.8	57.5°	265.4	243.1	243.1	270.5	382.7	2111.1	6169.0	8439.3
241.4	60°	238.8	224.3	220.0	247.4	403.2	1489.6	6222.1	9338.2
206.3	62.5°	209.7	202.0	196.0	225.2	418.6	882.6	5794.9	9120.8
162.7	65°	176.4	174.6	170.4	247.4	352.7	521.4	4974.7	8453.9
138.7	67.5°	148.1	145.5	145.5	259.4	268.0	327.9	3886.7	7536.2
118.1	70°	127.6	118.1	118.1	196.0	162.7	226.9	2713.8	6545.7
97.6	72.5°	107.0	96.7	89.9	156.7	121.6	166.1	1695.9	5605.7
74.5	75°	85.6	77.9	69.3	103.6	90.7	125.8	985.4	4644.3
47.1	77.5°	61.6	58.2	48.8	76.2	65.9	90.7	586.4	3583.6
29.1	80°	31.7	32.5	30.8	43.7	44.5	61.6	333.9	2452.7
18.8	82.5°	18.8	14.6	16.3	21.4	25.7	35.1	125.8	1441.7
13.7	85°	12.0	7.7	7.7	10.3	12.8	13.7	38.5	584.7
6.8	87.5°	6.0	2.6	3.4	5.1	4.3	3.4	1.7	147.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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