

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: P952315

Luminaire Tested: **GALN-SB6A-950-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952315
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-950-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 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: 14442 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

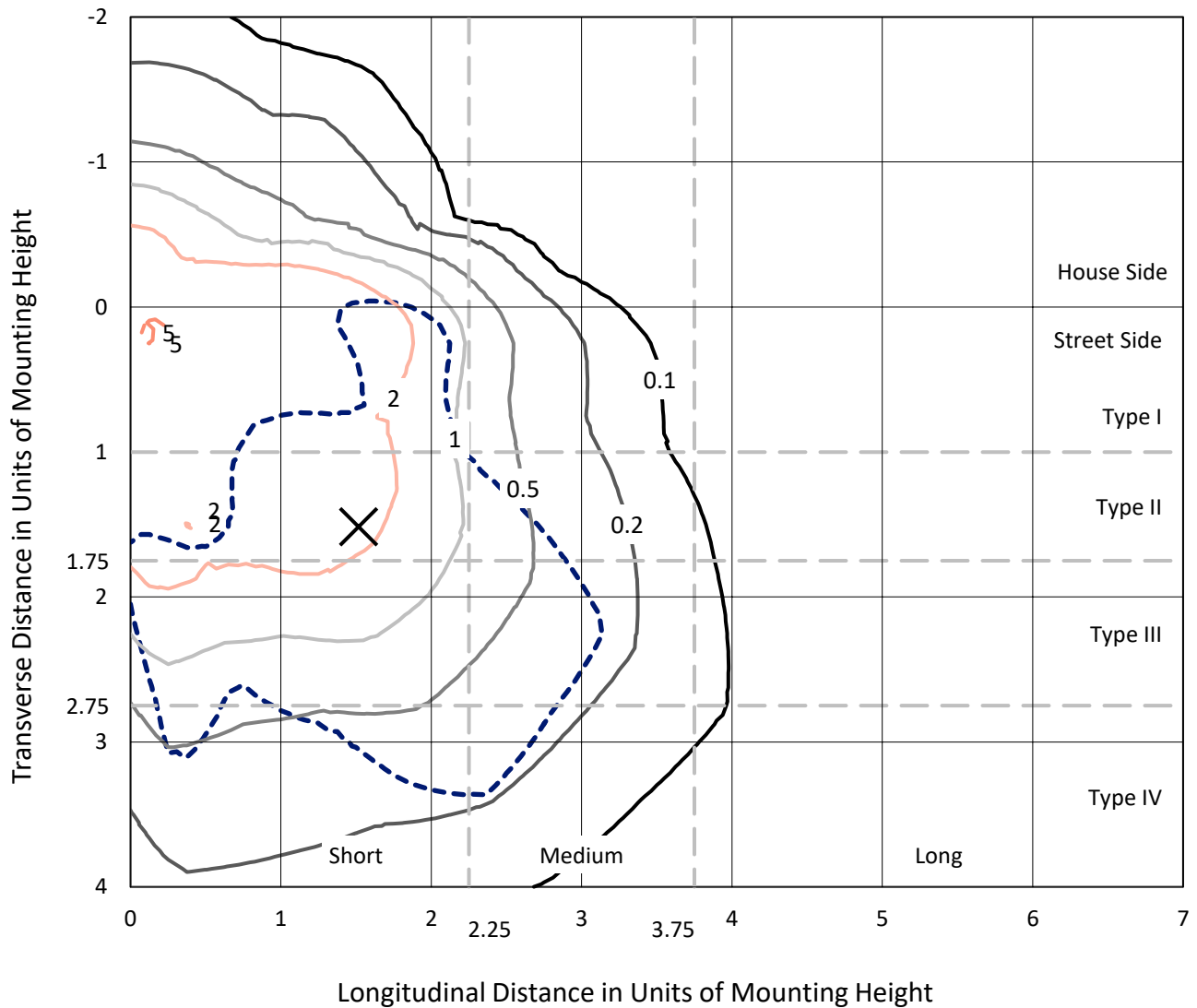
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

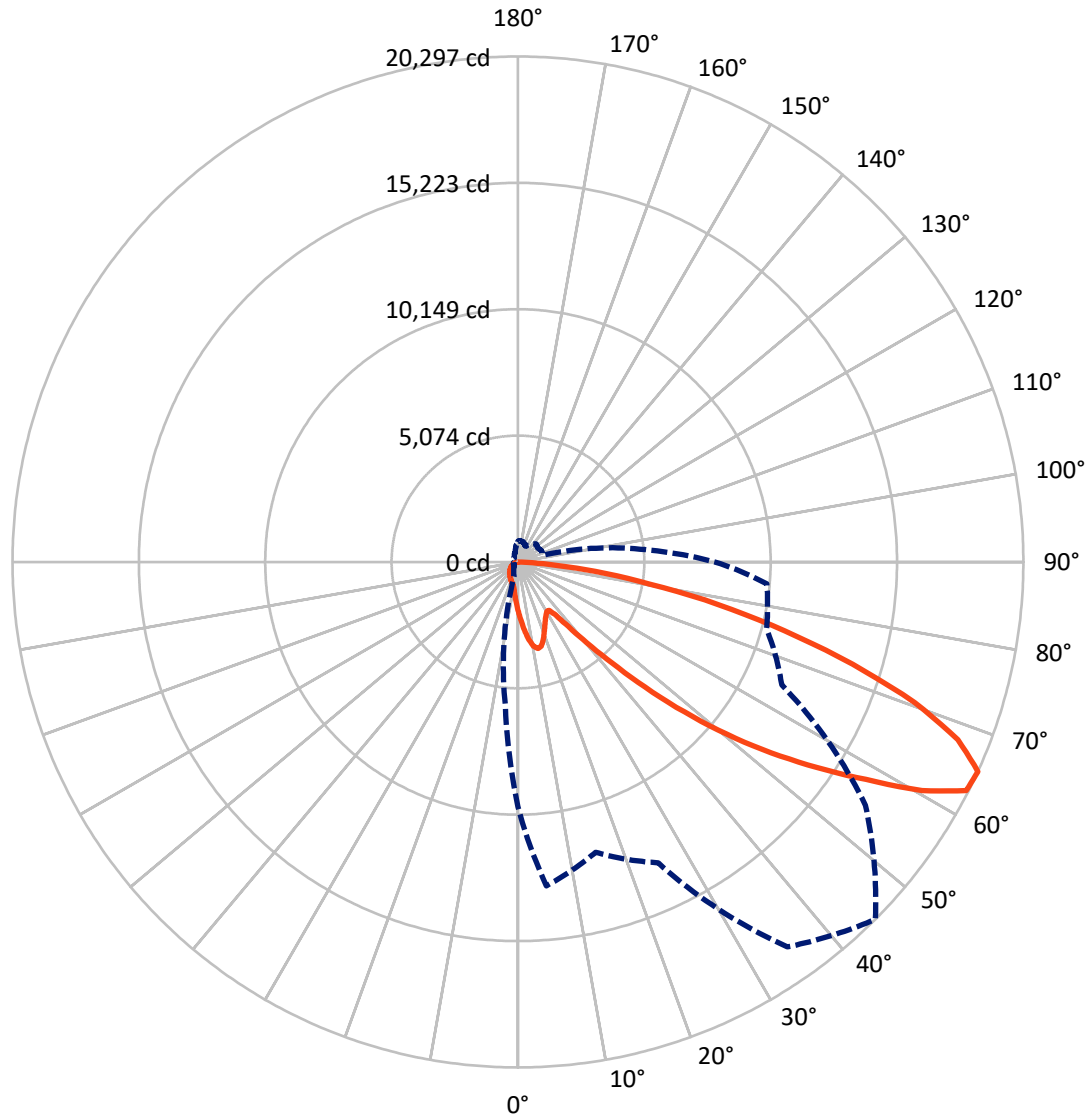
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	2870.6	0.0	2870.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	11571.4	0.0	11571.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	14442.0	0.0	14442.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	1.4
10°-20°	590.2	4.1
20°-30°	869.5	6.0
30°-40°	1117.0	7.7
40°-50°	1806.6	12.5
50°-60°	3168.0	21.9
60°-70°	3964.1	27.4
70°-80°	2316.4	16.0
80°-90°	413.3	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°	14442.0	100.0
0°-180°	14442.0	100.0



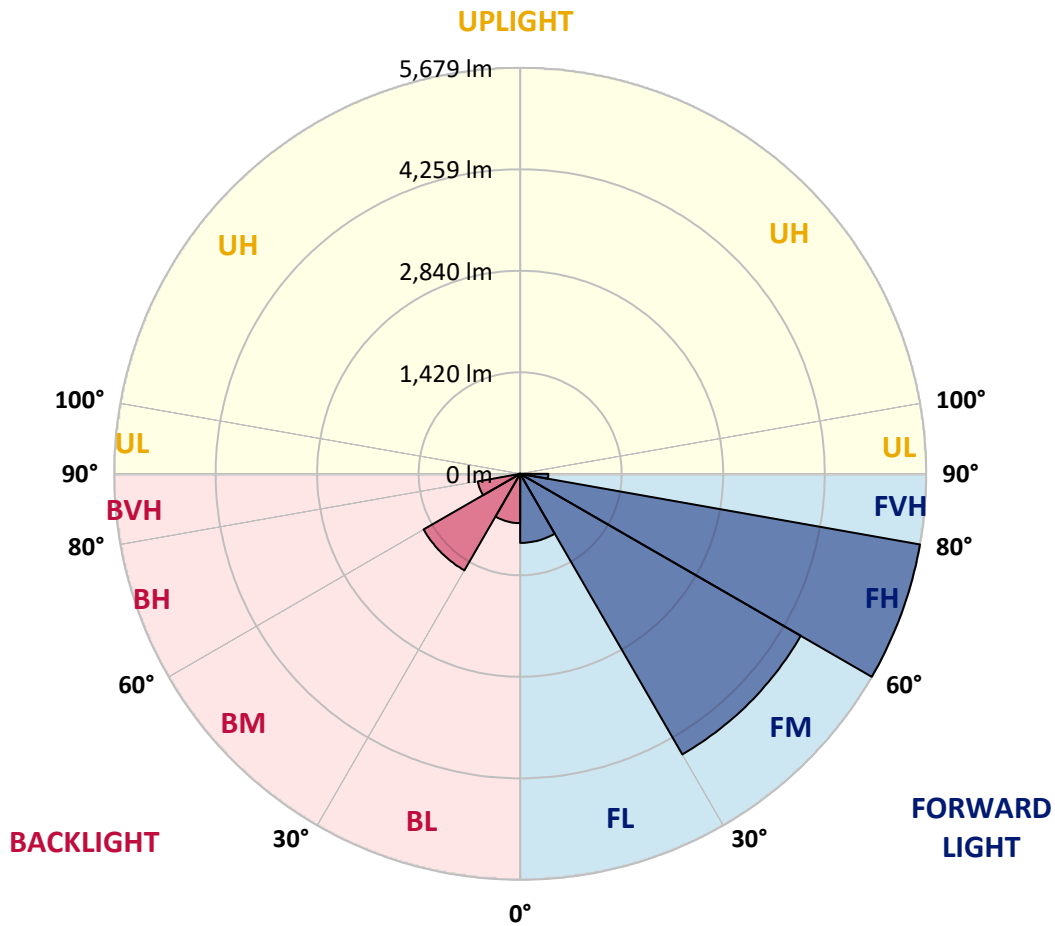
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.3	6.7			
FM	(30°-60°)	4532.1	31.4			
FH	(60°-80°)	5679.0	39.3			G3/7500
FVH	(80°-90°)	393.9	2.7			G3/500
BL	(0°-30°)	690.2	4.8	B2/1000		
BM	(30°-60°)	1559.6	10.8	B2/2500		
BH	(60°-80°)	601.4	4.2	B2/1000		G2/1000
BVH	(80°-90°)	19.4	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°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	2240.5	2257.4	2295.2	2315.1	2346.0	2348.0	2348.0	2321.1	2320.1	2265.4
5°	2504.2	2544.0	2633.5	2726.0	2745.9	2750.9	2741.0	2687.2	2647.4	2541.0
7.5°	2765.8	2842.4	2978.7	3102.1	3141.9	3141.9	3118.0	3030.5	2948.9	2794.7
10°	2982.7	3079.2	3264.3	3402.6	3448.3	3438.4	3389.6	3279.2	3166.8	2979.7
12.5°	3126.0	3234.4	3437.4	3548.8	3595.6	3569.7	3514.0	3406.5	3288.2	3091.2
15°	3197.6	3311.0	3487.1	3545.8	3532.9	3506.0	3499.1	3447.3	3357.8	3173.7
17.5°	3228.5	3333.9	3456.3	3419.5	3310.0	3289.1	3358.8	3424.5	3402.6	3245.4
20°	3257.3	3345.9	3382.7	3219.5	3028.5	3009.6	3142.9	3329.9	3425.5	3312.0
22.5°	3297.1	3351.8	3276.2	3008.6	2802.6	2758.9	2906.1	3187.7	3432.4	3396.6
25°	3351.8	3366.8	3158.8	2808.6	2601.7	2557.9	2695.2	3029.5	3420.5	3488.1
27.5°	3417.5	3386.6	3046.4	2641.5	2441.5	2400.7	2538.0	2877.3	3386.6	3579.7
30°	3503.1	3412.5	2935.0	2512.1	2327.1	2297.2	2429.6	2745.9	3344.9	3696.1
32.5°	3589.6	3423.5	2831.5	2436.5	2301.2	2312.2	2420.6	2675.3	3299.1	3807.5
35°	3683.1	3458.3	2780.8	2511.1	2517.1	2612.6	2657.4	2741.0	3292.1	3958.7
37.5°	3810.5	3535.9	2841.4	2882.2	3089.2	3287.2	3250.3	3062.3	3372.7	4184.6
40°	3993.5	3672.2	3106.1	3514.0	3938.8	4260.2	4119.9	3646.3	3619.5	4509.9
42.5°	4260.2	3889.1	3575.7	4286.0	5006.4	5535.6	5159.6	4399.5	4051.2	4974.5
45°	4654.2	4240.3	4143.8	5100.9	6322.6	7156.3	6374.3	5202.3	4656.1	5677.9
47.5°	5200.4	4756.6	4676.0	5959.5	7922.4	9000.9	7721.4	5946.5	5344.6	6637.0
50°	5925.6	5452.1	5180.5	6898.7	9676.4	10881.3	9067.5	6664.9	6133.6	7809.0
52.5°	6882.7	6422.1	5768.4	7793.1	11480.2	12721.8	10419.6	7295.6	7112.6	9169.0
55°	8188.1	7881.6	6572.3	8646.7	13282.9	14573.3	11719.0	7890.6	8405.9	10784.7
57.5°	9807.8	10026.6	7731.4	9636.6	14903.6	16481.6	13024.3	8722.3	10085.3	12591.5
60°	10852.4	12879.0	9951.0	11100.1	16745.2	18639.5	14813.1	10304.2	11850.3	13239.2
62.5°	10599.7	13786.4	12609.4	12968.6	18438.5	20208.5	16566.1	11893.1	12182.6	12285.1
65°	9824.7	13054.1	12067.2	13331.7	18867.3	20297.0	17034.7	11688.1	10334.1	10029.6
67.5°	8758.1	12185.6	10778.8	12368.6	18092.3	19059.4	16162.2	10339.0	7986.1	7526.4
70°	7607.0	11224.5	9933.1	11288.2	16614.9	16902.4	14678.8	9093.4	5873.9	5083.0
72.5°	6514.6	10223.6	9354.1	10180.8	14644.0	14049.0	12747.7	7992.1	4277.1	3666.2
75°	5397.3	8747.2	8529.3	8865.6	12052.3	11066.3	10591.7	6617.1	3356.8	2652.4
77.5°	4164.7	6835.0	7336.4	7099.6	8483.5	8219.9	8209.9	4972.5	2452.4	1769.9
80°	2850.4	4763.6	5731.6	5008.3	5505.8	5371.5	6183.3	3335.9	1778.9	1065.5
82.5°	1675.4	2900.1	3989.6	2424.6	3044.4	3125.0	3682.1	1622.7	1046.6	245.7
85°	679.5	1145.1	1560.0	949.1	1468.5	1238.7	1397.8	455.7	291.5	6.0
87.5°	171.1	366.1	256.7	106.5	170.1	156.2	123.4	55.7	11.9	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°
1999.8	0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2259.4	2.5°	2220.6	2197.7	2141.0	2084.3	2038.6	1976.9	1936.1	1887.3	1840.6	1798.8
2518.1	5°	2455.4	2379.8	2276.3	2181.8	2085.3	1991.8	1899.3	1801.8	1712.2	1657.5
2737.0	7.5°	2646.4	2513.1	2375.8	2255.4	2139.0	2029.6	1907.2	1788.8	1648.6	1573.9
2904.1	10°	2788.7	2613.6	2433.5	2295.2	2177.8	2071.4	1967.9	1848.5	1679.4	1585.9
3005.6	12.5°	2882.2	2674.3	2463.4	2305.2	2173.9	2091.3	2045.5	1998.8	1830.6	1721.2
3080.2	15°	2946.9	2717.1	2484.3	2282.3	2121.1	2060.4	2106.2	2159.9	2052.5	1926.1
3157.8	17.5°	3017.5	2772.8	2493.2	2220.6	2018.7	1992.8	2111.2	2235.5	2230.6	2105.2
3231.4	20°	3092.2	2821.5	2487.3	2121.1	1894.3	1917.2	2068.4	2212.7	2273.4	2205.7
3316.0	22.5°	3168.8	2868.3	2464.4	1991.8	1777.9	1849.5	2000.7	2127.1	2198.7	2177.8
3419.5	25°	3265.3	2934.0	2430.5	1852.5	1681.4	1780.9	1922.2	2024.6	2074.4	2073.4
3530.9	27.5°	3380.7	3021.5	2412.6	1740.1	1612.7	1703.3	1828.6	1920.2	1955.0	1955.0
3669.2	30°	3515.0	3125.0	2392.7	1666.5	1572.9	1622.7	1720.2	1809.7	1844.6	1844.6
3820.4	32.5°	3664.2	3224.5	2345.0	1621.7	1543.1	1544.1	1605.8	1687.4	1729.1	1735.1
4009.5	35°	3843.3	3330.9	2240.5	1585.9	1508.3	1467.5	1497.3	1565.0	1614.7	1627.7
4279.1	37.5°	4078.1	3461.3	2091.3	1533.1	1454.5	1386.9	1393.9	1445.6	1500.3	1520.2
4651.2	40°	4393.5	3614.5	1936.1	1457.5	1378.9	1298.3	1295.4	1333.2	1386.9	1408.8
5154.6	42.5°	4810.4	3798.5	1787.8	1384.9	1287.4	1204.8	1199.9	1229.7	1276.5	1299.3
5819.2	45°	5343.6	4024.4	1660.5	1328.2	1197.9	1116.3	1114.3	1139.2	1180.0	1203.8
6669.8	47.5°	6084.8	4250.2	1573.9	1298.3	1127.2	1043.7	1047.6	1069.5	1106.3	1123.2
7771.2	50°	7050.9	4318.9	1530.2	1298.3	1089.4	979.0	998.9	1016.8	1044.6	1054.6
9091.4	52.5°	7978.1	4092.0	1490.4	1306.3	1094.4	924.3	967.0	980.0	1003.9	1007.8
10315.2	55°	8432.8	3518.0	1435.6	1308.3	1125.2	877.5	941.2	965.1	974.0	973.0
11025.5	57.5°	8276.6	2844.4	1343.1	1300.3	1146.1	847.7	909.3	955.1	961.1	952.1
10890.2	60°	7728.4	2094.3	1272.5	1241.6	1138.2	838.7	860.6	933.2	942.2	930.2
9847.5	62.5°	6809.1	1453.6	1217.8	1112.3	1103.3	835.7	784.0	885.5	907.4	890.4
7915.4	65°	5360.5	1026.7	1048.6	975.0	1027.7	819.8	704.4	827.8	857.6	831.7
5742.6	67.5°	3627.4	741.2	849.6	883.5	905.4	784.0	646.7	762.1	801.9	768.1
3685.1	70°	1959.0	520.3	561.1	744.2	769.1	722.3	595.0	695.4	741.2	704.4
2619.6	72.5°	1157.1	374.1	393.0	597.9	640.7	635.7	537.2	617.8	673.5	629.8
1807.7	75°	637.7	252.7	280.6	433.8	520.3	490.5	461.6	523.3	580.0	537.2
1133.2	77.5°	285.5	151.2	195.0	284.5	408.9	336.3	357.2	407.9	460.6	415.9
630.8	80°	110.4	84.6	129.3	155.2	297.5	186.0	229.8	300.5	338.3	302.5
137.3	82.5°	13.9	37.8	55.7	60.7	173.1	98.5	133.3	189.0	186.0	161.2
0.0	85°	0.0	7.0	8.0	4.0	74.6	35.8	43.8	61.7	57.7	43.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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°
1999.8	0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
1790.8	2.5°	1742.1	1706.3	1688.4	1673.4	1687.4	1695.3	1695.3	1729.1	1749.0	1757.0
1622.7	5°	1535.1	1468.5	1423.7	1396.8	1405.8	1415.7	1426.7	1469.5	1498.3	1517.2
1506.3	7.5°	1372.0	1270.5	1207.8	1175.0	1180.0	1186.9	1195.9	1237.7	1266.5	1291.4
1484.4	10°	1291.4	1148.1	1065.5	1025.7	1018.8	1014.8	1011.8	1036.7	1058.6	1078.5
1573.9	12.5°	1295.4	1095.4	994.9	946.2	925.3	901.4	882.5	886.5	900.4	925.3
1734.1	15°	1346.1	1078.5	958.1	897.4	862.6	834.7	811.8	806.9	811.8	815.8
1917.2	17.5°	1414.8	1076.5	926.3	850.6	814.8	791.9	771.0	764.1	765.1	770.1
2038.6	20°	1469.5	1070.5	890.4	805.9	774.0	754.1	733.2	726.3	728.3	729.3
2050.5	22.5°	1498.3	1061.6	850.6	761.1	734.2	714.3	695.4	694.4	694.4	700.4
1985.8	25°	1498.3	1042.7	814.8	718.3	694.4	676.5	653.7	657.6	659.6	667.6
1885.3	27.5°	1462.5	1006.8	786.0	681.5	656.6	638.7	617.8	622.8	625.8	634.7
1785.9	30°	1416.7	964.1	753.1	646.7	617.8	604.9	587.0	589.0	593.0	602.9
1693.3	32.5°	1368.0	913.3	726.3	611.9	583.0	573.1	553.2	556.2	560.1	571.1
1601.8	35°	1314.3	853.6	694.4	580.0	551.2	543.2	520.3	522.3	528.3	540.2
1503.3	37.5°	1257.6	804.9	662.6	549.2	519.3	511.4	487.5	489.5	496.5	510.4
1399.8	40°	1201.8	757.1	628.8	516.4	486.5	479.5	453.7	455.7	463.6	478.5
1295.4	42.5°	1141.2	720.3	585.0	482.5	450.7	443.7	419.8	422.8	431.8	446.7
1198.9	45°	1068.5	696.4	536.3	450.7	414.9	407.9	386.0	392.0	401.9	416.9
1116.3	47.5°	993.9	686.5	495.5	416.9	378.1	372.1	354.2	364.1	375.1	387.0
1045.6	50°	922.3	673.5	453.7	385.0	346.2	340.3	328.3	341.3	352.2	363.1
994.9	52.5°	840.7	645.7	415.9	357.2	319.4	317.4	311.4	323.3	333.3	343.2
951.1	55°	756.1	600.9	383.0	332.3	296.5	298.5	295.5	305.4	313.4	322.3
911.3	57.5°	682.5	544.2	357.2	305.4	276.6	282.6	278.6	283.5	288.5	299.5
863.6	60°	607.9	476.6	328.3	273.6	256.7	263.6	252.7	251.7	253.7	256.7
792.9	62.5°	507.4	405.9	292.5	245.7	234.8	237.8	216.9	201.0	201.0	204.0
694.4	65°	407.9	340.3	252.7	213.9	205.0	203.0	173.1	151.2	149.2	158.2
580.0	67.5°	335.3	282.6	212.9	178.1	172.1	174.1	152.2	130.3	128.3	138.3
472.6	70°	277.6	227.8	170.1	137.3	143.3	152.2	130.3	109.4	106.5	115.4
384.0	72.5°	220.9	178.1	130.3	101.5	118.4	129.3	106.5	86.6	84.6	92.5
296.5	75°	162.2	127.3	88.5	73.6	91.5	101.5	77.6	61.7	58.7	65.7
198.0	77.5°	100.5	71.6	55.7	43.8	62.7	67.7	40.8	35.8	34.8	39.8
120.4	80°	46.8	30.8	26.9	14.9	22.9	26.9	16.9	18.9	19.9	23.9
60.7	82.5°	12.9	5.0	1.0	0.0	0.0	8.0	4.0	8.0	9.9	14.9
5.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	9.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
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°
1999.8	0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
1812.7	2.5°	1854.5	1894.3	1958.0	2023.6	2088.3	2154.0	2217.6	2240.5
1603.8	5°	1682.4	1773.9	1900.3	2035.6	2174.9	2316.1	2445.5	2504.2
1387.9	7.5°	1490.4	1621.7	1811.7	2023.6	2245.5	2467.4	2671.3	2765.8
1174.0	10°	1285.4	1451.6	1668.5	1955.0	2273.4	2579.8	2860.3	2982.7
985.9	12.5°	1090.4	1264.5	1504.3	1847.5	2251.5	2644.5	2981.7	3126.0
853.6	15°	927.2	1081.5	1340.1	1720.2	2180.8	2648.4	3039.4	3197.6
780.0	17.5°	804.9	905.4	1173.0	1578.9	2088.3	2611.6	3059.3	3228.5
740.2	20°	744.2	772.0	956.1	1397.8	2001.7	2576.8	3079.2	3257.3
708.4	22.5°	708.4	715.3	782.0	1164.0	1898.3	2565.9	3114.0	3297.1
679.5	25°	679.5	681.5	699.4	922.3	1740.1	2558.9	3167.8	3351.8
649.7	27.5°	650.7	650.7	660.6	743.2	1525.2	2529.0	3237.4	3417.5
619.8	30°	621.8	621.8	628.8	657.6	1273.5	2470.3	3321.0	3503.1
590.0	32.5°	592.0	592.0	597.9	618.8	1016.8	2396.7	3397.6	3589.6
559.1	35°	562.1	560.1	568.1	590.0	808.9	2303.2	3474.2	3683.1
528.3	37.5°	530.3	529.3	537.2	562.1	698.4	2194.8	3531.9	3810.5
497.5	40°	496.5	496.5	505.4	532.3	666.6	2058.5	3623.4	3993.5
465.6	42.5°	465.6	463.6	473.6	506.4	642.7	1928.1	3787.6	4260.2
436.8	45°	435.8	431.8	440.7	481.5	600.9	1882.4	4094.0	4654.2
408.9	47.5°	407.9	398.0	405.9	451.7	563.1	2053.5	4595.5	5200.4
384.0	50°	385.0	366.1	373.1	421.8	534.3	2424.6	5246.1	5925.6
361.1	52.5°	361.1	336.3	340.3	385.0	508.4	2777.8	5951.5	6882.7
338.3	55°	336.3	308.4	310.4	348.2	471.6	2830.5	6640.0	8188.1
312.4	57.5°	308.4	282.6	282.6	314.4	444.7	2453.4	7169.3	9807.8
280.6	60°	277.6	260.7	255.7	287.5	468.6	1731.1	7231.0	10852.4
239.8	62.5°	243.8	234.8	227.8	261.7	486.5	1025.7	6734.5	10599.7
189.0	65°	205.0	203.0	198.0	287.5	409.9	605.9	5781.4	9824.7
161.2	67.5°	172.1	169.1	169.1	301.5	311.4	381.0	4516.9	8758.1
137.3	70°	148.2	137.3	137.3	227.8	189.0	263.6	3153.8	7607.0
113.4	72.5°	124.4	112.4	104.5	182.1	141.3	193.0	1970.9	6514.6
86.6	75°	99.5	90.5	80.6	120.4	105.5	146.3	1145.1	5397.3
54.7	77.5°	71.6	67.7	56.7	88.5	76.6	105.5	681.5	4164.7
33.8	80°	36.8	37.8	35.8	50.7	51.7	71.6	388.0	2850.4
21.9	82.5°	21.9	16.9	18.9	24.9	29.8	40.8	146.3	1675.4
15.9	85°	13.9	9.0	9.0	11.9	14.9	15.9	44.8	679.5
8.0	87.5°	7.0	3.0	4.0	6.0	5.0	4.0	2.0	171.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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