

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: P951160

Luminaire Tested: **GALN-SB5B-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951160
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-SB5B-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA 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: 13214 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

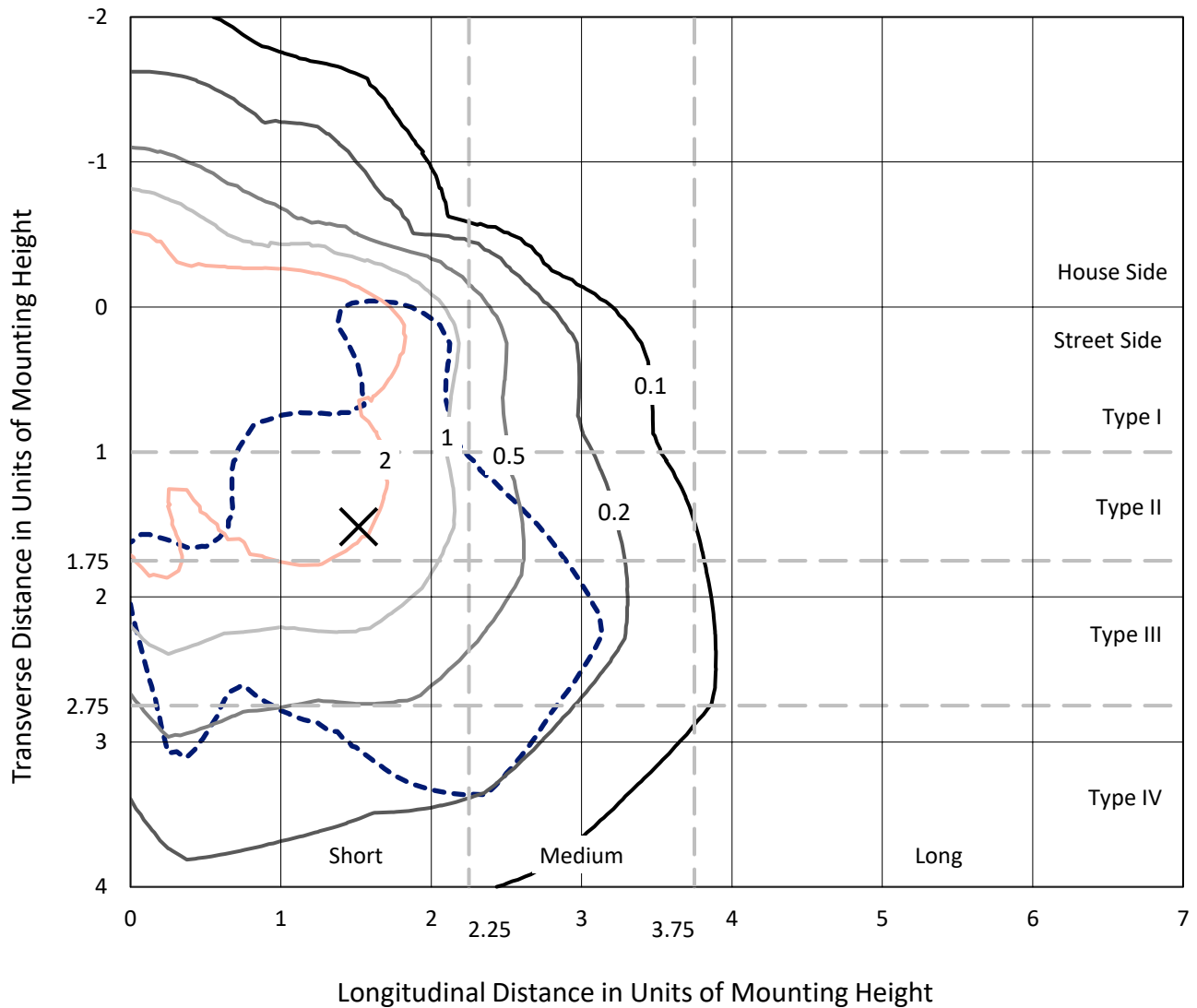
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

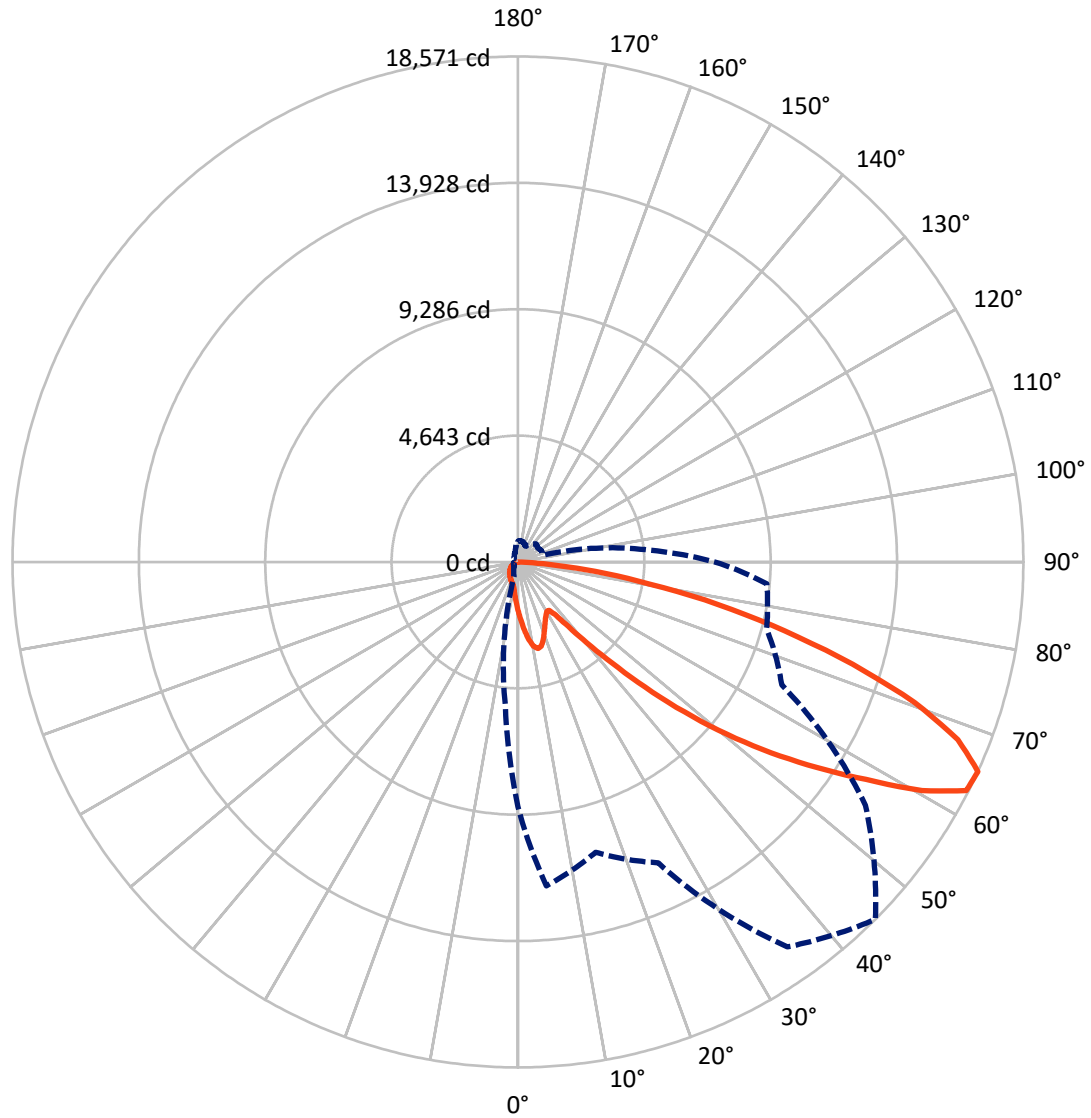
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2626.5	0.0	2626.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	10587.5	0.0	10587.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	13214.0	0.0	13214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.4
10°-20°	540.0	4.1
20°-30°	795.5	6.0
30°-40°	1022.1	7.7
40°-50°	1653.0	12.5
50°-60°	2898.7	21.9
60°-70°	3627.0	27.4
70°-80°	2119.5	16.0
80°-90°	378.1	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°	13214.0	100.0
0°-180°	13214.0	100.0

Coefficient of Utilization



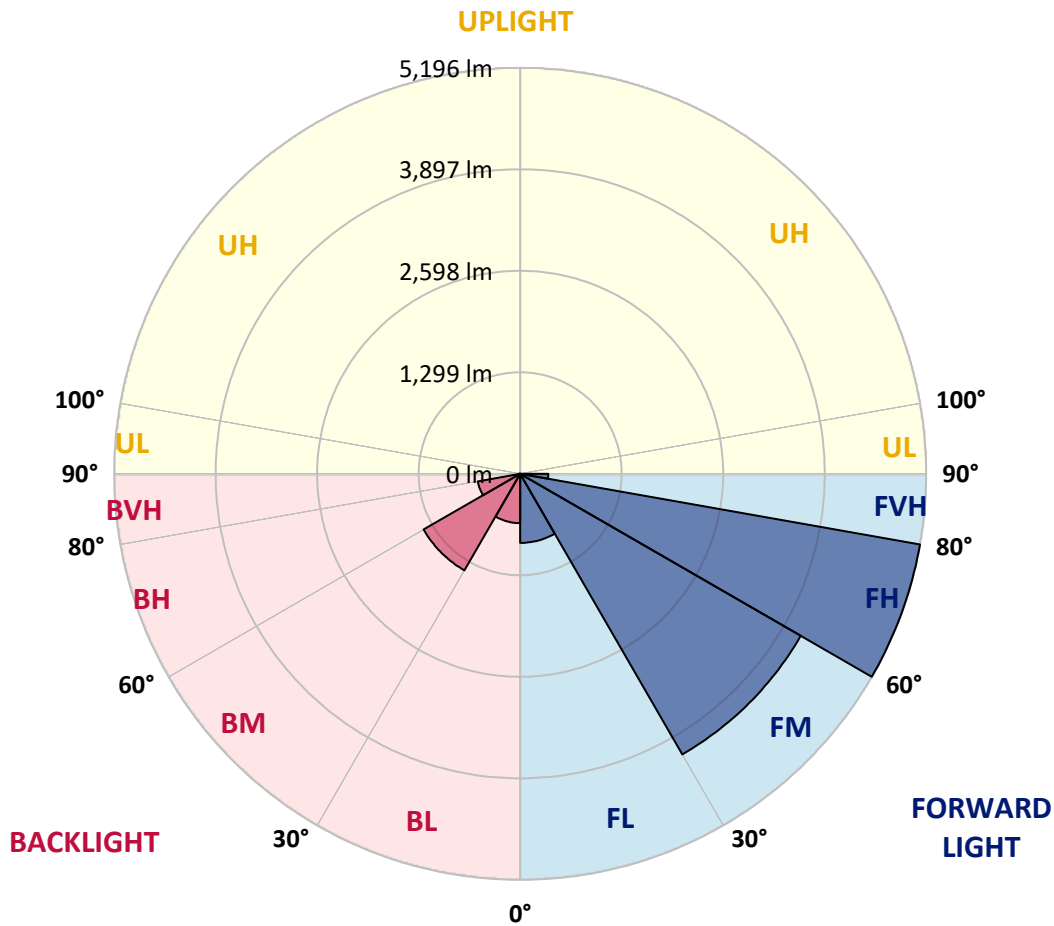
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.2	6.7			
FM (30°-60°)	4146.7	31.4			
FH (60°-80°)	5196.2	39.3			G3/7500
FVH (80°-90°)	360.4	2.7			G3/500
BL (0°-30°)	631.5	4.8	B2/1000		
BM (30°-60°)	1427.0	10.8	B2/2500		
BH (60°-80°)	550.3	4.2	B2/1000		G2/1000
BVH (80°-90°)	17.7	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°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	2050.0	2065.5	2100.1	2118.3	2146.5	2148.3	2148.3	2123.7	2122.8	2072.8
5°	2291.2	2327.7	2409.6	2494.2	2512.4	2517.0	2507.9	2458.7	2422.3	2324.9
7.5°	2530.7	2600.7	2725.5	2838.3	2874.7	2874.7	2852.9	2772.8	2698.1	2557.1
10°	2729.1	2817.4	2986.7	3113.2	3155.1	3146.0	3101.4	3000.4	2897.5	2726.4
12.5°	2860.2	2959.4	3145.1	3247.1	3289.8	3266.2	3215.2	3116.9	3008.6	2828.3
15°	2925.7	3029.5	3190.6	3244.3	3232.5	3207.9	3201.5	3154.2	3072.3	2903.9
17.5°	2953.9	3050.4	3162.4	3128.7	3028.6	3009.5	3073.2	3133.3	3113.2	2969.4
20°	2980.3	3061.4	3095.0	2945.8	2771.0	2753.7	2875.7	3046.8	3134.2	3030.4
22.5°	3016.8	3066.8	2997.6	2752.8	2564.3	2524.3	2659.0	2916.6	3140.6	3107.8
25°	3066.8	3080.5	2890.2	2569.8	2380.5	2340.4	2466.0	2771.9	3129.6	3191.5
27.5°	3126.9	3098.7	2787.4	2416.9	2233.9	2196.6	2322.2	2632.6	3098.7	3275.3
30°	3205.2	3122.4	2685.4	2298.5	2129.2	2101.9	2223.0	2512.4	3060.5	3381.8
32.5°	3284.4	3132.4	2590.7	2229.3	2105.5	2115.6	2214.8	2447.8	3018.6	3483.7
35°	3370.0	3164.2	2544.3	2297.6	2303.1	2390.5	2431.4	2507.9	3012.2	3622.1
37.5°	3486.5	3235.2	2599.8	2637.2	2826.5	3007.7	2974.0	2801.9	3085.9	3828.7
40°	3654.0	3359.9	2842.0	3215.2	3603.9	3897.9	3769.6	3336.3	3311.7	4126.4
42.5°	3897.9	3558.4	3271.6	3921.6	4580.7	5064.9	4720.8	4025.4	3706.8	4551.5
45°	4258.4	3879.7	3791.4	4667.1	5785.0	6547.8	5832.3	4760.0	4260.2	5195.1
47.5°	4758.2	4352.2	4278.4	5452.7	7248.8	8235.5	7064.9	5440.9	4890.2	6072.7
50°	5421.8	4988.5	4740.0	6312.1	8853.6	9956.0	8296.5	6098.1	5612.0	7145.0
52.5°	6297.5	5876.0	5278.0	7130.4	10504.0	11640.1	9533.6	6675.3	6507.8	8389.4
55°	7491.8	7211.4	6013.5	7911.5	12153.5	13334.2	10722.5	7219.6	7691.2	9867.7
57.5°	8973.8	9174.1	7074.0	8817.2	13636.4	15080.1	11916.8	7980.7	9227.8	11520.8
60°	9929.6	11783.9	9104.9	10156.3	15321.4	17054.6	13553.6	9428.0	10842.7	12113.4
62.5°	9698.4	12614.1	11537.2	11865.8	16870.7	18490.1	15157.5	10881.8	11146.7	11240.5
65°	8989.3	11944.1	11041.1	12198.1	17263.1	18571.2	15586.3	10694.3	9455.4	9176.8
67.5°	8013.4	11149.4	9862.3	11316.9	16553.9	17438.7	14787.9	9459.9	7307.0	6886.5
70°	6960.2	10270.1	9088.5	10328.3	15202.1	15465.2	13430.7	8320.2	5374.4	4650.8
72.5°	5960.7	9354.3	8558.7	9315.2	13398.8	12854.4	11663.8	7312.5	3913.4	3354.5
75°	4938.4	8003.4	7804.1	8111.7	11027.5	10125.3	9691.1	6054.4	3071.4	2426.9
77.5°	3810.5	6253.8	6712.6	6495.9	7762.2	7521.0	7511.8	4549.7	2243.9	1619.4
80°	2608.0	4358.5	5244.3	4582.5	5037.6	4914.7	5657.6	3052.3	1627.6	974.9
82.5°	1533.0	2653.5	3650.3	2218.4	2785.5	2859.3	3369.0	1484.7	957.6	224.8
85°	621.7	1047.8	1427.4	868.4	1343.6	1133.3	1279.0	416.9	266.7	5.5
87.5°	156.6	335.0	234.9	97.4	155.7	142.9	112.9	51.0	10.9	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°
1829.7	0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2067.3	2.5°	2031.8	2010.9	1959.0	1907.1	1865.2	1808.8	1771.5	1726.9	1684.1	1645.8
2304.0	5°	2246.6	2177.5	2082.8	1996.3	1908.0	1822.4	1737.8	1648.6	1566.6	1516.6
2504.3	7.5°	2421.4	2299.4	2173.8	2063.7	1957.2	1857.0	1745.1	1636.7	1508.4	1440.1
2657.2	10°	2551.6	2391.4	2226.6	2100.1	1992.7	1895.3	1800.6	1691.3	1536.6	1451.0
2750.0	12.5°	2637.2	2446.9	2253.9	2109.2	1989.0	1913.5	1871.6	1828.8	1675.0	1574.8
2818.3	15°	2696.3	2486.0	2273.0	2088.2	1940.8	1885.2	1927.1	1976.3	1878.0	1762.4
2889.3	17.5°	2761.0	2537.0	2281.2	2031.8	1847.0	1823.3	1931.7	2045.5	2040.9	1926.2
2956.7	20°	2829.2	2581.6	2275.8	1940.8	1733.2	1754.2	1892.5	2024.5	2080.1	2018.1
3034.1	22.5°	2899.3	2624.4	2254.8	1822.4	1626.7	1692.3	1830.6	1946.2	2011.8	1992.7
3128.7	25°	2987.6	2684.5	2223.9	1695.0	1538.4	1629.4	1758.7	1852.5	1898.0	1897.1
3230.7	27.5°	3093.2	2764.6	2207.5	1592.1	1475.6	1558.4	1673.1	1756.9	1788.8	1788.8
3357.2	30°	3216.1	2859.3	2189.3	1524.8	1439.2	1484.7	1573.9	1655.8	1687.7	1687.7
3495.6	32.5°	3352.7	2950.3	2145.6	1483.8	1411.9	1412.8	1469.2	1543.9	1582.1	1587.6
3668.5	35°	3516.5	3047.7	2050.0	1451.0	1380.0	1342.7	1370.0	1431.9	1477.4	1489.3
3915.2	37.5°	3731.3	3167.0	1913.5	1402.8	1330.9	1269.0	1275.3	1322.7	1372.7	1390.9
4255.7	40°	4019.9	3307.1	1771.5	1333.6	1261.7	1188.0	1185.2	1219.8	1269.0	1289.0
4716.3	42.5°	4401.3	3475.6	1635.8	1267.1	1177.9	1102.4	1097.8	1125.1	1167.9	1188.9
5324.4	45°	4889.3	3682.2	1519.3	1215.3	1096.0	1021.4	1019.5	1042.3	1079.6	1101.5
6102.7	47.5°	5567.4	3888.8	1440.1	1188.0	1031.4	954.9	958.6	978.6	1012.3	1027.7
7110.4	50°	6451.3	3951.6	1400.1	1188.0	996.8	895.7	913.9	930.3	955.8	964.9
8318.4	52.5°	7299.7	3744.1	1363.6	1195.2	1001.3	845.7	884.8	896.7	918.5	922.1
9438.1	55°	7715.8	3218.8	1313.6	1197.1	1029.6	802.9	861.2	883.0	891.2	890.3
10088.0	57.5°	7572.8	2602.6	1228.9	1189.8	1048.7	775.6	832.0	873.9	879.4	871.2
9964.2	60°	7071.3	1916.2	1164.3	1136.1	1041.4	767.4	787.4	853.9	862.1	851.1
9010.2	62.5°	6230.1	1330.0	1114.2	1017.7	1009.5	764.7	717.3	810.2	830.2	814.7
7242.4	65°	4904.7	939.4	959.5	892.1	940.3	750.1	644.5	757.4	784.7	761.0
5254.3	67.5°	3319.0	678.2	777.4	808.4	828.4	717.3	591.7	697.3	733.7	702.8
3371.8	70°	1792.4	476.1	513.4	680.9	703.7	660.9	544.4	636.3	678.2	644.5
2396.8	72.5°	1058.7	342.3	359.6	547.1	586.2	581.7	491.6	565.3	616.3	576.2
1654.0	75°	583.5	231.2	256.7	396.9	476.1	448.8	422.4	478.8	530.7	491.6
1036.8	77.5°	261.3	138.4	178.4	260.3	374.1	307.7	326.8	373.2	421.5	380.5
577.1	80°	101.0	77.4	118.3	142.0	272.2	170.2	210.3	274.9	309.5	276.7
125.6	82.5°	12.7	34.6	51.0	55.5	158.4	90.1	122.0	173.0	170.2	147.5
0.0	85°	0.0	6.4	7.3	3.6	68.3	32.8	40.1	56.4	52.8	40.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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°
1829.7	0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
1638.6	2.5°	1593.9	1561.2	1544.8	1531.1	1543.9	1551.2	1551.2	1582.1	1600.3	1607.6
1484.7	5°	1404.6	1343.6	1302.6	1278.1	1286.3	1295.4	1305.4	1344.5	1370.9	1388.2
1378.2	7.5°	1255.3	1162.5	1105.1	1075.1	1079.6	1086.0	1094.2	1132.4	1158.8	1181.6
1358.2	10°	1181.6	1050.5	974.9	938.5	932.2	928.5	925.8	948.5	968.6	986.8
1440.1	12.5°	1185.2	1002.2	910.3	865.7	846.6	824.7	807.4	811.1	823.8	846.6
1586.7	15°	1231.6	986.8	876.6	821.1	789.2	763.7	742.8	738.3	742.8	746.5
1754.2	17.5°	1294.5	985.0	847.5	778.3	745.5	724.6	705.5	699.1	700.0	704.6
1865.2	20°	1344.5	979.5	814.7	737.3	708.2	690.0	670.9	664.5	666.3	667.3
1876.1	22.5°	1370.9	971.3	778.3	696.4	671.8	653.6	636.3	635.4	635.4	640.9
1817.0	25°	1370.9	954.0	745.5	657.2	635.4	619.0	598.1	601.7	603.5	610.8
1725.0	27.5°	1338.2	921.2	719.1	623.6	600.8	584.4	565.3	569.9	572.6	580.8
1634.0	30°	1296.3	882.1	689.1	591.7	565.3	553.5	537.1	538.9	542.5	551.6
1549.3	32.5°	1251.7	835.7	664.5	559.8	533.4	524.3	506.1	508.9	512.5	522.5
1465.6	35°	1202.5	781.0	635.4	530.7	504.3	497.0	476.1	477.9	483.4	494.3
1375.5	37.5°	1150.6	736.4	606.3	502.5	475.2	467.9	446.1	447.9	454.2	467.0
1280.8	40°	1099.7	692.7	575.3	472.4	445.1	438.8	415.1	416.9	424.2	437.9
1185.2	42.5°	1044.1	659.1	535.3	441.5	412.4	406.0	384.1	386.9	395.1	408.7
1096.9	45°	977.7	637.2	490.7	412.4	379.6	373.2	353.2	358.7	367.8	381.4
1021.4	47.5°	909.4	628.1	453.3	381.4	345.9	340.5	324.1	333.2	343.2	354.1
956.7	50°	843.9	616.3	415.1	352.3	316.8	311.3	300.4	312.2	322.2	332.3
910.3	52.5°	769.2	590.8	380.5	326.8	292.2	290.4	284.9	295.8	305.0	314.1
870.3	55°	691.8	549.8	350.5	304.0	271.3	273.1	270.4	279.5	286.7	294.9
833.8	57.5°	624.5	497.9	326.8	279.5	253.1	258.5	254.9	259.4	264.0	274.0
790.1	60°	556.2	436.0	300.4	250.3	234.9	241.2	231.2	230.3	232.1	234.9
725.5	62.5°	464.3	371.4	267.6	224.8	214.8	217.6	198.4	183.9	183.9	186.6
635.4	65°	373.2	311.3	231.2	195.7	187.5	185.7	158.4	138.4	136.5	144.7
530.7	67.5°	306.8	258.5	194.8	162.9	157.5	159.3	139.3	119.3	117.4	126.5
432.4	70°	254.0	208.5	155.7	125.6	131.1	139.3	119.3	100.1	97.4	105.6
351.4	72.5°	202.1	162.9	119.3	92.9	108.3	118.3	97.4	79.2	77.4	84.7
271.3	75°	148.4	116.5	81.0	67.4	83.7	92.9	71.0	56.4	53.7	60.1
181.2	77.5°	91.9	65.5	51.0	40.1	57.3	61.9	37.3	32.8	31.9	36.4
110.1	80°	42.8	28.2	24.6	13.7	20.9	24.6	15.5	17.3	18.2	21.8
55.5	82.5°	11.8	4.6	0.9	0.0	0.0	7.3	3.6	7.3	9.1	13.7
4.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.6	8.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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°
1829.7	0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
1658.6	2.5°	1696.8	1733.2	1791.5	1851.6	1910.7	1970.8	2029.1	2050.0
1467.4	5°	1539.3	1623.1	1738.7	1862.5	1989.9	2119.2	2237.5	2291.2
1269.9	7.5°	1363.6	1483.8	1657.7	1851.6	2054.6	2257.6	2444.2	2530.7
1074.2	10°	1176.1	1328.1	1526.6	1788.8	2080.1	2360.4	2617.1	2729.1
902.1	12.5°	997.7	1157.0	1376.4	1690.4	2060.0	2419.6	2728.2	2860.2
781.0	15°	848.4	989.5	1226.2	1573.9	1995.4	2423.2	2781.0	2925.7
713.7	17.5°	736.4	828.4	1073.3	1444.7	1910.7	2389.6	2799.2	2953.9
677.3	20°	680.9	706.4	874.8	1279.0	1831.5	2357.7	2817.4	2980.3
648.1	22.5°	648.1	654.5	715.5	1065.1	1736.9	2347.7	2849.3	3016.8
621.7	25°	621.7	623.6	639.9	843.9	1592.1	2341.3	2898.4	3066.8
594.4	27.5°	595.3	595.3	604.4	680.0	1395.5	2314.0	2962.1	3126.9
567.1	30°	568.9	568.9	575.3	601.7	1165.2	2260.3	3038.6	3205.2
539.8	32.5°	541.6	541.6	547.1	566.2	930.3	2192.9	3108.7	3284.4
511.6	35°	514.3	512.5	519.8	539.8	740.1	2107.4	3178.8	3370.0
483.4	37.5°	485.2	484.3	491.6	514.3	639.0	2008.1	3231.6	3486.5
455.2	40°	454.2	454.2	462.4	487.0	609.9	1883.4	3315.3	3654.0
426.0	42.5°	426.0	424.2	433.3	463.3	588.1	1764.2	3465.5	3897.9
399.6	45°	398.7	395.1	403.3	440.6	549.8	1722.3	3745.9	4258.4
374.1	47.5°	373.2	364.1	371.4	413.3	515.2	1878.9	4204.7	4758.2
351.4	50°	352.3	335.0	341.4	386.0	488.8	2218.4	4800.0	5421.8
330.4	52.5°	330.4	307.7	311.3	352.3	465.2	2541.6	5445.5	6297.5
309.5	55°	307.7	282.2	284.0	318.6	431.5	2589.8	6075.4	7491.8
285.8	57.5°	282.2	258.5	258.5	287.7	406.9	2244.8	6559.7	8973.8
256.7	60°	254.0	238.5	233.9	263.1	428.8	1583.9	6616.1	9929.6
219.4	62.5°	223.0	214.8	208.5	239.4	445.1	938.5	6161.9	9698.4
173.0	65°	187.5	185.7	181.2	263.1	375.0	554.4	5289.8	8989.3
147.5	67.5°	157.5	154.8	154.8	275.8	284.9	348.6	4132.8	8013.4
125.6	70°	135.6	125.6	125.6	208.5	173.0	241.2	2885.7	6960.2
103.8	72.5°	113.8	102.9	95.6	166.6	129.3	176.6	1803.3	5960.7
79.2	75°	91.0	82.8	73.7	110.1	96.5	133.8	1047.8	4938.4
50.1	77.5°	65.5	61.9	51.9	81.0	70.1	96.5	623.6	3810.5
31.0	80°	33.7	34.6	32.8	46.4	47.3	65.5	355.0	2608.0
20.0	82.5°	20.0	15.5	17.3	22.8	27.3	37.3	133.8	1533.0
14.6	85°	12.7	8.2	8.2	10.9	13.7	14.6	41.0	621.7
7.3	87.5°	6.4	2.7	3.6	5.5	4.6	3.6	1.8	156.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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