

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: P952590

Luminaire Tested: **GALN-SB6B-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952590
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-SB6B-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15863 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

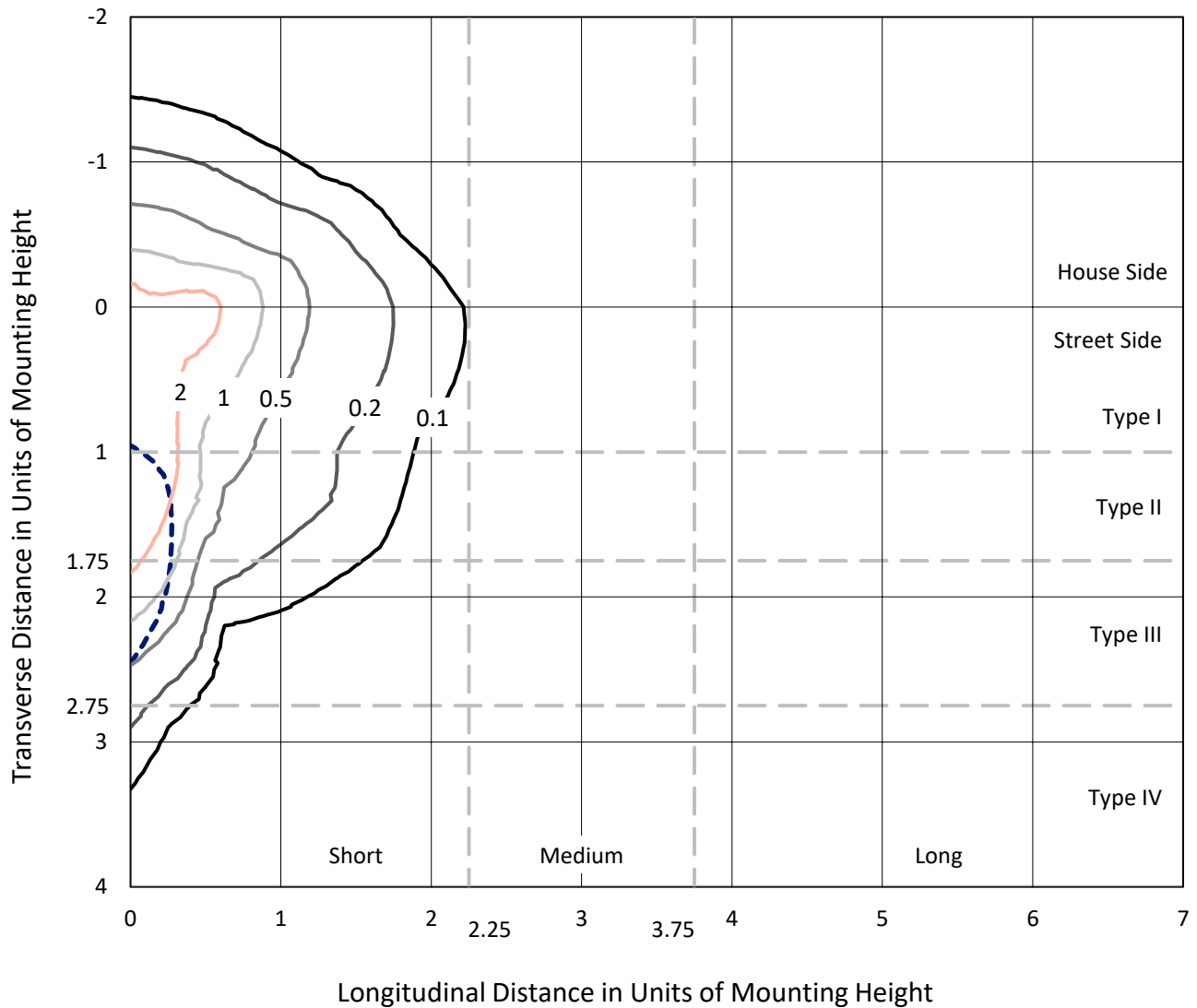
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

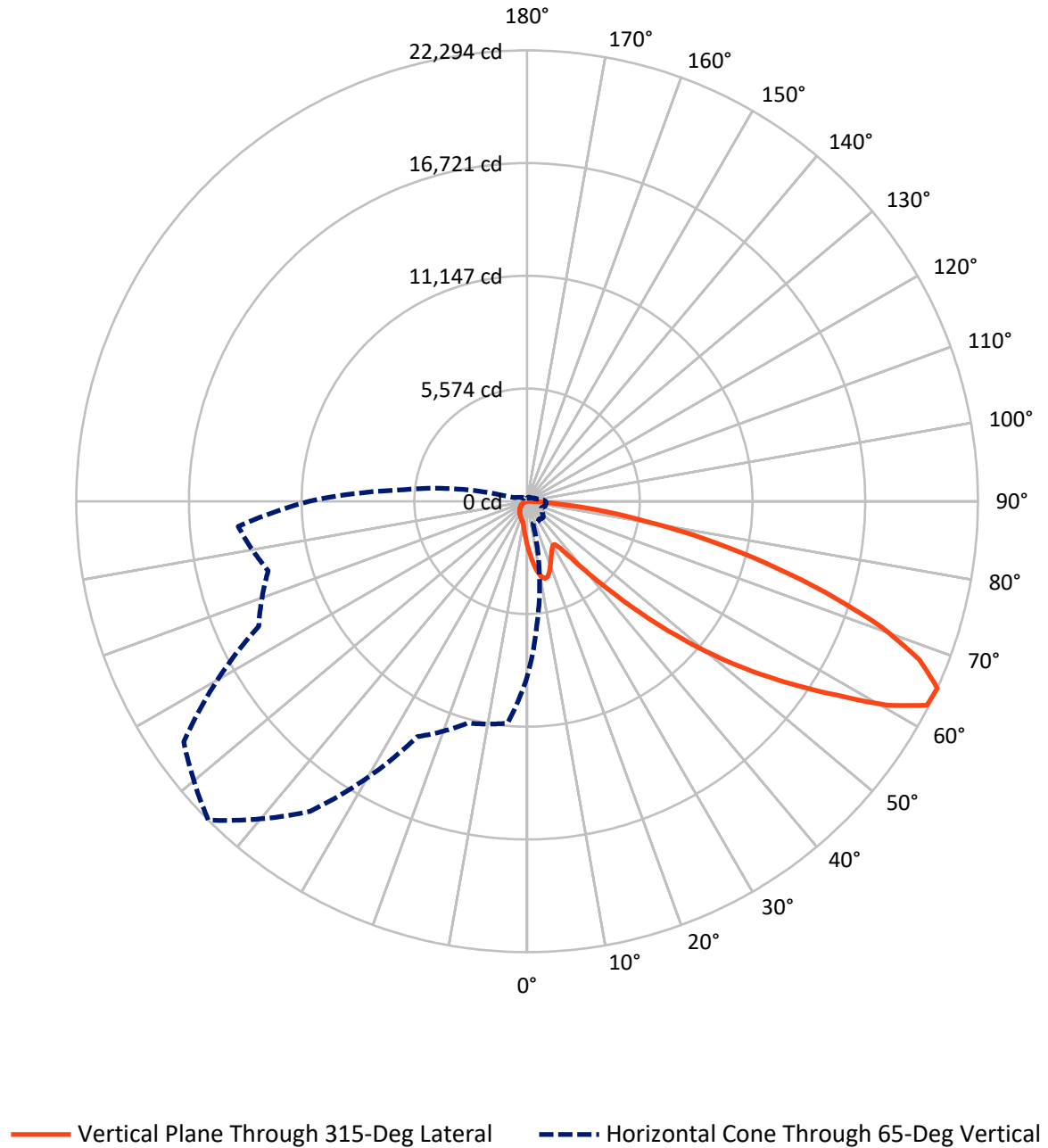
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2221.5	0.0	2221.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	13641.5	0.0	13641.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	15863.0	0.0	15863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	1.4
10°-20°	648.3	4.1
20°-30°	955.0	6.0
30°-40°	1227.0	7.7
40°-50°	1984.3	12.5
50°-60°	3479.7	21.9
60°-70°	4354.1	27.4
70°-80°	2544.3	16.0
80°-90°	453.9	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°	15863.0	100.0
0°-180°	15863.0	100.0

Coefficient of Utilization



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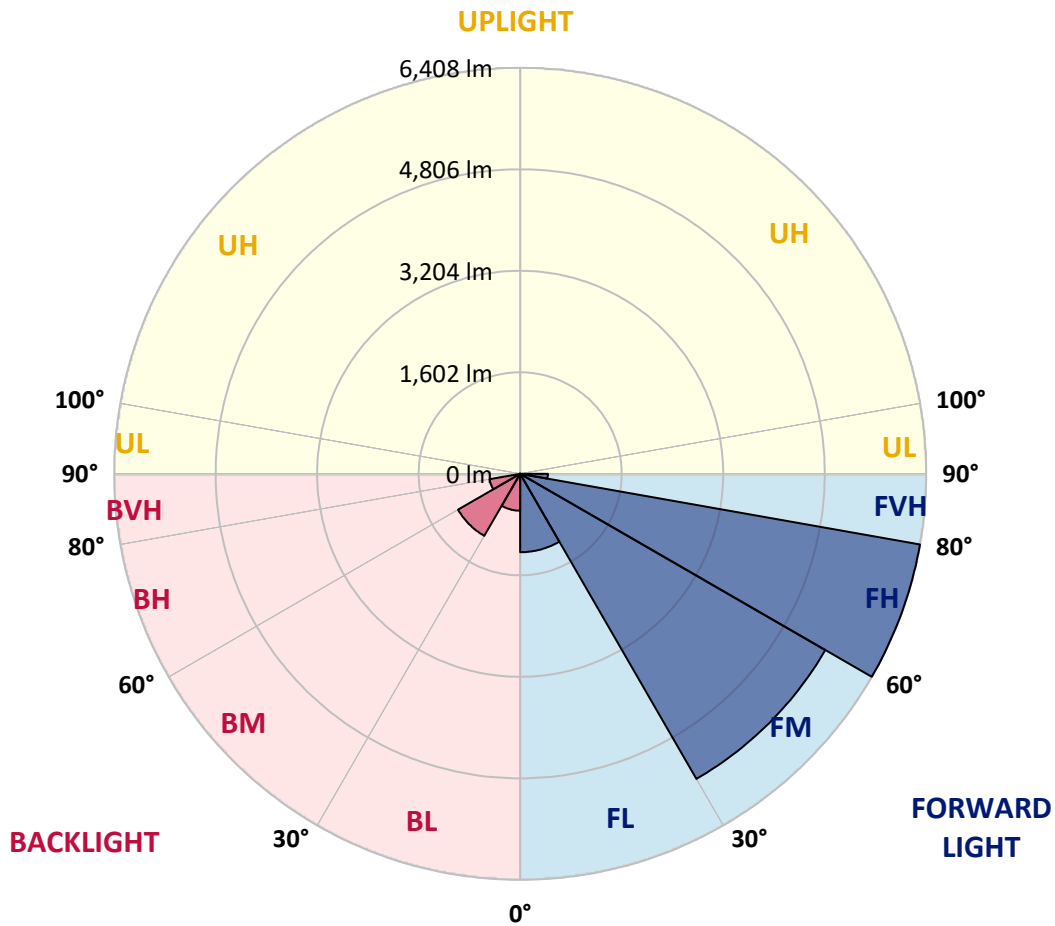
CATALOG NUMBER: GALN-SB6B-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1237.3	7.8			
FM (30°-60°)	5559.8	35.0			
FH (60°-80°)	6407.9	40.4			G3/7500
FVH (80°-90°)	436.5	2.8			G3/500
BL (0°-30°)	582.3	3.7	B2/1000		
BM (30°-60°)	1131.2	7.1	B2/2500		
BH (60°-80°)	490.5	3.1	B1/500		G1/500
BVH (80°-90°)	17.4	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°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
2.5°	2481.7	2439.1	2414.0	2351.7	2289.4	2239.1	2171.4	2126.6	2073.0	2021.7
5°	2765.9	2697.0	2614.0	2500.3	2396.5	2290.5	2187.8	2086.1	1979.1	1880.7
7.5°	3006.3	2906.8	2760.4	2609.6	2477.4	2349.5	2229.3	2094.9	1964.8	1810.8
10°	3189.9	3063.1	2870.8	2673.0	2521.1	2392.1	2275.2	2161.5	2030.4	1844.6
12.5°	3301.3	3165.8	2937.4	2705.8	2532.0	2387.8	2297.1	2246.8	2195.4	2010.7
15°	3383.3	3236.9	2984.4	2728.7	2506.9	2329.8	2263.2	2313.4	2372.5	2254.4
17.5°	3468.5	3314.4	3045.6	2738.5	2439.1	2217.3	2188.9	2318.9	2455.5	2450.0
20°	3549.4	3396.4	3099.2	2732.0	2329.8	2080.7	2105.8	2271.9	2430.4	2497.0
22.5°	3642.3	3480.6	3150.5	2706.9	2187.8	1952.8	2031.5	2197.6	2336.4	2415.1
25°	3755.9	3586.6	3222.7	2669.7	2034.8	1846.8	1956.1	2111.3	2223.8	2278.5
27.5°	3878.3	3713.3	3318.8	2650.0	1911.3	1771.4	1870.9	2008.6	2109.1	2147.3
30°	4030.2	3860.8	3432.5	2628.2	1830.4	1727.7	1782.3	1889.4	1987.8	2026.0
32.5°	4196.3	4024.8	3541.7	2575.7	1781.3	1694.9	1696.0	1763.8	1853.4	1899.3
35°	4404.0	4221.5	3658.7	2461.0	1741.9	1656.7	1611.9	1644.7	1719.0	1773.6
37.5°	4700.1	4479.4	3801.8	2297.1	1684.0	1597.7	1523.4	1531.0	1587.8	1647.9
40°	5108.8	4825.8	3970.1	2126.6	1600.9	1514.6	1426.1	1422.8	1464.3	1523.4
42.5°	5661.8	5283.7	4172.3	1963.8	1521.2	1414.1	1323.4	1317.9	1350.7	1402.1
45°	6391.8	5869.4	4420.4	1823.9	1458.9	1315.7	1226.1	1223.9	1251.3	1296.1
47.5°	7326.1	6683.5	4668.4	1728.8	1426.1	1238.1	1146.3	1150.7	1174.8	1215.2
50°	8535.8	7744.6	4743.8	1680.7	1426.1	1196.6	1075.3	1097.2	1116.8	1147.4
52.5°	9986.0	8763.1	4494.7	1637.0	1434.8	1202.1	1015.2	1062.2	1076.4	1102.6
55°	11330.1	9262.5	3864.1	1576.9	1437.0	1236.0	963.8	1033.8	1060.0	1069.8
57.5°	12110.4	9091.0	3124.3	1475.3	1428.3	1258.9	931.1	998.8	1049.1	1055.6
60°	11961.7	8488.8	2300.3	1397.7	1363.8	1250.2	921.2	945.3	1025.0	1034.9
62.5°	10816.5	7479.1	1596.6	1337.6	1221.7	1211.9	917.9	861.1	972.6	996.6
65°	8694.3	5888.0	1127.8	1151.8	1070.9	1128.9	900.5	773.7	909.2	942.0
67.5°	6307.6	3984.3	814.1	933.2	970.4	994.4	861.1	710.3	837.1	880.8
70°	4047.7	2151.7	571.5	616.3	817.4	844.7	793.4	653.5	763.9	814.1
72.5°	2877.3	1270.9	410.9	431.7	656.8	703.8	698.3	590.1	678.6	739.8
75°	1985.6	700.5	277.6	308.2	476.5	571.5	538.7	507.1	574.8	637.1
77.5°	1244.7	313.6	166.1	214.2	312.5	449.1	369.4	392.3	448.0	506.0
80°	692.8	121.3	92.9	142.1	170.5	326.7	204.4	252.4	330.0	371.6
82.5°	150.8	15.3	41.5	61.2	66.7	190.1	108.2	146.4	207.6	204.4
85°	0.0	0.0	7.6	8.7	4.4	82.0	39.3	48.1	67.8	63.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
1975.8	2.5°	1967.0	1913.5	1874.1	1854.5	1838.1	1853.4	1862.1	1862.1	1899.3	1921.1
1820.6	5°	1782.3	1686.2	1613.0	1563.8	1534.3	1544.1	1555.0	1567.1	1614.1	1645.7
1728.8	7.5°	1654.5	1507.0	1395.5	1326.7	1290.6	1296.1	1303.7	1313.5	1359.4	1391.1
1741.9	10°	1630.5	1418.4	1261.1	1170.4	1126.7	1119.0	1114.7	1111.4	1138.7	1162.7
1890.5	12.5°	1728.8	1422.8	1203.2	1092.8	1039.2	1016.3	990.1	969.3	973.7	989.0
2115.7	15°	1904.7	1478.6	1184.6	1052.4	985.7	947.5	916.9	891.7	886.3	891.7
2312.4	17.5°	2105.8	1554.0	1182.4	1017.4	934.3	895.0	869.9	846.9	839.3	840.4
2422.7	20°	2239.1	1614.1	1175.8	978.1	885.2	850.2	828.3	805.4	797.7	799.9
2392.1	22.5°	2252.3	1645.7	1166.0	934.3	836.0	806.5	784.6	763.9	762.8	762.8
2277.4	25°	2181.2	1645.7	1145.2	895.0	789.0	762.8	743.1	718.0	722.3	724.5
2147.3	27.5°	2070.8	1606.4	1105.9	863.3	748.6	721.2	701.6	678.6	684.1	687.4
2026.0	30°	1961.6	1556.1	1058.9	827.2	710.3	678.6	664.4	644.7	646.9	651.3
1905.8	32.5°	1859.9	1502.6	1003.2	797.7	672.1	640.4	629.4	607.6	610.9	615.2
1787.8	35°	1759.4	1443.6	937.6	762.8	637.1	605.4	596.7	571.5	573.7	580.3
1669.8	37.5°	1651.2	1381.3	884.1	727.8	603.2	570.4	561.7	535.5	537.7	545.3
1547.4	40°	1537.6	1320.1	831.6	690.6	567.2	534.4	526.7	498.3	500.5	509.2
1427.2	42.5°	1422.8	1253.4	791.2	642.6	530.0	495.0	487.4	461.2	464.4	474.3
1322.3	45°	1316.8	1173.7	765.0	589.0	495.0	455.7	448.0	424.0	430.6	441.5
1233.8	47.5°	1226.1	1091.7	754.0	544.2	457.9	415.3	408.7	389.0	400.0	412.0
1158.4	50°	1148.5	1013.0	739.8	498.3	422.9	380.3	373.7	360.6	374.8	386.8
1107.0	52.5°	1092.8	923.4	709.2	456.8	392.3	350.8	348.6	342.0	355.2	366.1
1068.8	55°	1044.7	830.5	660.0	420.7	365.0	325.7	327.8	324.6	335.5	344.2
1045.8	57.5°	1001.0	749.7	597.8	392.3	335.5	303.8	310.4	306.0	311.4	316.9
1021.8	60°	948.5	667.7	523.4	360.6	300.5	281.9	289.6	277.6	276.5	278.7
978.1	62.5°	871.0	557.3	445.9	321.3	269.9	257.9	261.2	238.2	220.7	220.7
913.6	65°	762.8	448.0	373.7	277.6	235.0	225.1	222.9	190.1	166.1	163.9
843.6	67.5°	637.1	368.3	310.4	233.9	195.6	189.1	191.2	167.2	143.2	141.0
773.7	70°	519.1	304.9	250.3	186.9	150.8	157.4	167.2	143.2	120.2	116.9
691.7	72.5°	421.8	242.6	195.6	143.2	111.5	130.0	142.1	116.9	95.1	92.9
590.1	75°	325.7	178.1	139.9	97.3	80.9	100.5	111.5	85.2	67.8	64.5
456.8	77.5°	217.5	110.4	78.7	61.2	48.1	68.8	74.3	44.8	39.3	38.2
332.2	80°	132.2	51.4	33.9	29.5	16.4	25.1	29.5	18.6	20.8	21.9
177.0	82.5°	66.7	14.2	5.5	1.1	0.0	0.0	8.7	4.4	8.7	10.9
48.1	85°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
1929.9	2.5°	1991.1	2037.0	2080.7	2150.6	2222.7	2293.8	2365.9	2435.8	2461.0	2479.6
1666.5	5°	1761.6	1847.9	1948.5	2087.2	2235.9	2388.8	2544.0	2686.1	2750.6	2794.3
1418.4	7.5°	1524.4	1637.0	1781.3	1990.0	2222.7	2466.4	2710.1	2934.2	3038.0	3122.1
1184.6	10°	1289.5	1411.9	1594.4	1832.6	2147.3	2497.0	2833.6	3141.8	3276.2	3382.2
1016.3	12.5°	1083.0	1197.7	1388.9	1652.3	2029.3	2473.0	2904.6	3275.1	3433.6	3552.7
896.1	15°	937.6	1018.5	1187.9	1472.0	1889.4	2395.4	2909.0	3338.5	3512.2	3636.8
845.8	17.5°	856.8	884.1	994.4	1288.4	1734.3	2293.8	2868.6	3360.3	3546.1	3662.0
801.0	20°	813.0	817.4	848.0	1050.2	1535.4	2198.7	2830.3	3382.2	3577.8	3675.1
769.3	22.5°	778.1	778.1	785.7	858.9	1278.6	2085.1	2818.3	3420.4	3621.5	3681.6
733.3	25°	746.4	746.4	748.6	768.2	1013.0	1911.3	2810.7	3479.5	3681.6	3698.0
697.2	27.5°	713.6	714.7	714.7	725.6	816.3	1675.3	2777.9	3556.0	3753.8	3719.9
662.2	30°	680.8	683.0	683.0	690.6	722.3	1398.8	2713.4	3647.7	3847.7	3748.3
627.3	32.5°	648.0	650.2	650.2	656.8	679.7	1116.8	2632.5	3731.9	3942.8	3760.3
593.4	35°	614.2	617.4	615.2	624.0	648.0	888.4	2529.8	3816.0	4045.5	3798.6
560.6	37.5°	580.3	582.5	581.4	590.1	617.4	767.1	2410.7	3879.4	4185.4	3883.8
525.6	40°	546.4	545.3	545.3	555.1	584.6	732.2	2261.0	3980.0	4386.5	4033.5
490.7	42.5°	511.4	511.4	509.2	520.2	556.2	705.9	2117.8	4160.3	4679.3	4271.7
457.9	45°	479.7	478.6	474.3	484.1	528.9	660.0	2067.6	4496.9	5112.1	4657.5
425.1	47.5°	449.1	448.0	437.1	445.9	496.1	618.5	2255.5	5047.6	5712.0	5224.7
398.9	50°	421.8	422.9	402.1	409.8	463.3	586.8	2663.1	5762.3	6508.7	5988.5
377.0	52.5°	396.7	396.7	369.4	373.7	422.9	558.4	3051.1	6537.1	7560.0	7054.0
354.1	55°	371.6	369.4	338.8	341.0	382.5	518.0	3109.0	7293.3	8993.7	8657.1
328.9	57.5°	343.1	338.8	310.4	310.4	345.3	488.5	2694.8	7874.7	10772.8	11013.2
281.9	60°	308.2	304.9	286.3	280.8	315.8	514.7	1901.5	7942.4	11920.2	14146.2
224.0	62.5°	263.4	267.7	257.9	250.3	287.4	534.4	1126.7	7397.1	11642.6	15142.9
173.8	65°	207.6	225.1	222.9	217.5	315.8	450.2	665.5	6350.2	10791.4	14338.6
151.9	67.5°	177.0	189.1	185.8	185.8	331.1	342.0	418.5	4961.3	9619.9	13384.6
126.8	70°	150.8	162.8	150.8	150.8	250.3	207.6	289.6	3464.2	8355.5	12328.9
101.6	72.5°	124.6	136.6	123.5	114.7	200.0	155.2	212.0	2164.8	7155.6	11229.6
72.1	75°	95.1	109.3	99.4	88.5	132.2	115.8	160.6	1257.8	5928.4	9607.9
43.7	77.5°	60.1	78.7	74.3	62.3	97.3	84.1	115.8	748.6	4574.4	7507.5
26.2	80°	37.2	40.4	41.5	39.3	55.7	56.8	78.7	426.2	3130.9	5232.3
16.4	82.5°	24.0	24.0	18.6	20.8	27.3	32.8	44.8	160.6	1840.3	3185.5
9.8	85°	17.5	15.3	9.8	9.8	13.1	16.4	17.5	49.2	746.4	1257.8
4.4	87.5°	8.7	7.6	3.3	4.4	6.6	5.5	4.4	2.2	188.0	402.1
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°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
2521.1	2.5°	2542.9	2576.8	2579.0	2579.0	2549.5	2548.4	2488.3	2481.7
2892.6	5°	2994.3	3016.1	3021.6	3010.7	2951.6	2907.9	2791.0	2765.9
3271.8	7.5°	3407.3	3451.0	3451.0	3424.8	3328.7	3239.0	3069.7	3006.3
3585.5	10°	3737.4	3787.6	3776.7	3723.2	3601.9	3478.4	3272.9	3189.9
3775.6	12.5°	3898.0	3949.4	3920.9	3859.8	3741.7	3611.7	3395.3	3301.3
3830.2	15°	3894.7	3880.5	3851.0	3843.4	3786.5	3688.2	3486.0	3383.3
3796.4	17.5°	3755.9	3635.7	3612.8	3689.3	3761.4	3737.4	3564.7	3468.5
3715.5	20°	3536.3	3326.5	3305.7	3452.1	3657.6	3762.5	3637.9	3549.4
3598.6	22.5°	3304.6	3078.4	3030.3	3192.1	3501.3	3770.1	3730.8	3642.3
3469.6	25°	3085.0	2857.7	2809.6	2960.4	3327.6	3757.0	3831.3	3755.9
3346.1	27.5°	2901.4	2681.7	2636.9	2787.7	3160.4	3719.9	3931.9	3878.3
3223.7	30°	2759.3	2556.0	2523.3	2668.6	3016.1	3674.0	4059.7	4030.2
3110.1	32.5°	2676.3	2527.6	2539.7	2658.8	2938.5	3623.7	4182.1	4196.3
3054.4	35°	2758.2	2764.8	2869.7	2918.9	3010.7	3616.1	4348.2	4404.0
3121.0	37.5°	3165.8	3393.1	3610.6	3570.2	3363.6	3704.6	4596.3	4700.1
3411.7	40°	3859.8	4326.4	4679.3	4525.3	4005.1	3975.6	4953.6	5108.8
3927.5	42.5°	4707.8	5498.9	6080.3	5667.2	4832.3	4449.9	5464.0	5661.8
4551.5	45°	5602.8	6944.7	7860.5	7001.5	5714.2	5114.3	6236.6	6391.8
5136.1	47.5°	6545.8	8701.9	9886.5	8481.2	6531.6	5870.5	7290.0	7326.1
5690.2	50°	7577.4	10628.5	11951.9	9959.7	7320.6	6737.1	8577.3	8535.8
6336.0	52.5°	8559.9	12609.8	13973.6	11444.8	8013.5	7812.4	10071.2	9986.0
7219.0	55°	9497.5	14589.9	16007.3	12872.0	8667.0	9233.0	11845.9	11330.1
8492.1	57.5°	10584.8	16370.1	18103.2	14305.8	9580.5	11077.7	13830.4	12110.4
10930.1	60°	12192.3	18392.8	20473.5	16270.6	11318.1	13016.3	14541.8	11961.7
13850.1	62.5°	14244.6	20252.8	22196.9	18196.1	13063.3	13381.3	13493.8	10816.5
13254.5	65°	14643.5	20723.8	22294.1	18710.8	12838.2	11350.9	11016.5	8694.3
11839.3	67.5°	13585.6	19872.5	20934.7	17752.5	11356.3	8771.9	8267.0	6307.6
10910.5	70°	12398.9	18249.7	18565.5	16123.1	9988.1	6451.9	5583.1	4047.7
10274.5	72.5°	11182.6	16084.8	15431.4	14002.0	8778.4	4697.9	4026.9	2877.3
9368.5	75°	9737.9	13238.1	12155.2	11633.9	7268.2	3687.1	2913.4	1985.6
8058.3	77.5°	7798.2	9318.3	9028.7	9017.7	5461.8	2693.7	1944.1	1244.7
6295.6	80°	5501.1	6047.5	5900.0	6791.7	3664.1	1953.9	1170.4	692.8
4382.1	82.5°	2663.1	3344.0	3432.5	4044.4	1782.3	1149.6	269.9	150.8
1713.5	85°	1042.5	1613.0	1360.5	1535.4	500.5	320.2	6.6	0.0
281.9	87.5°	116.9	186.9	171.6	135.5	61.2	13.1	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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