

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: P952296

Luminaire Tested: **GALN-SB6A-940-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952296
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-940-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA 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: 15044 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

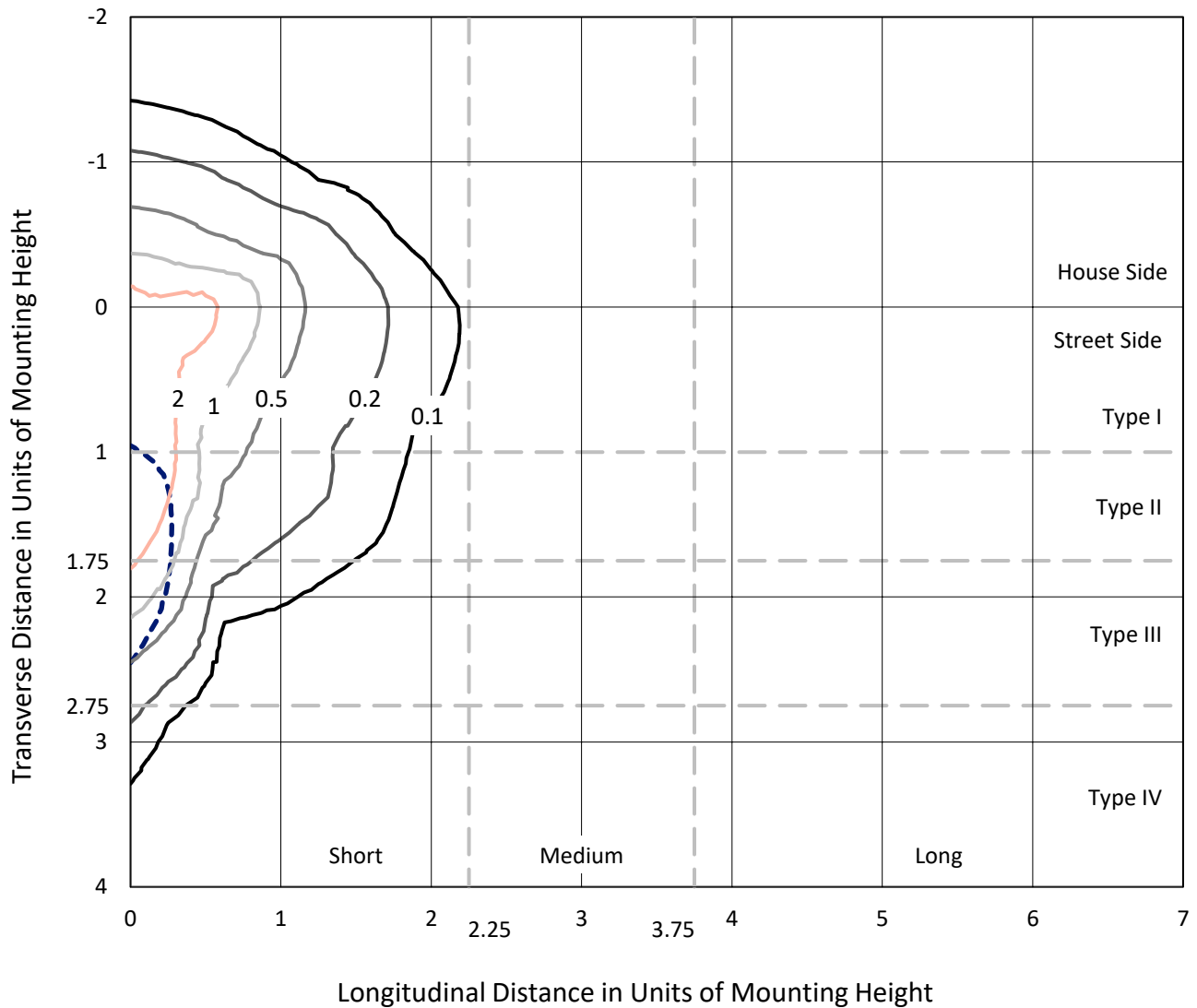
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

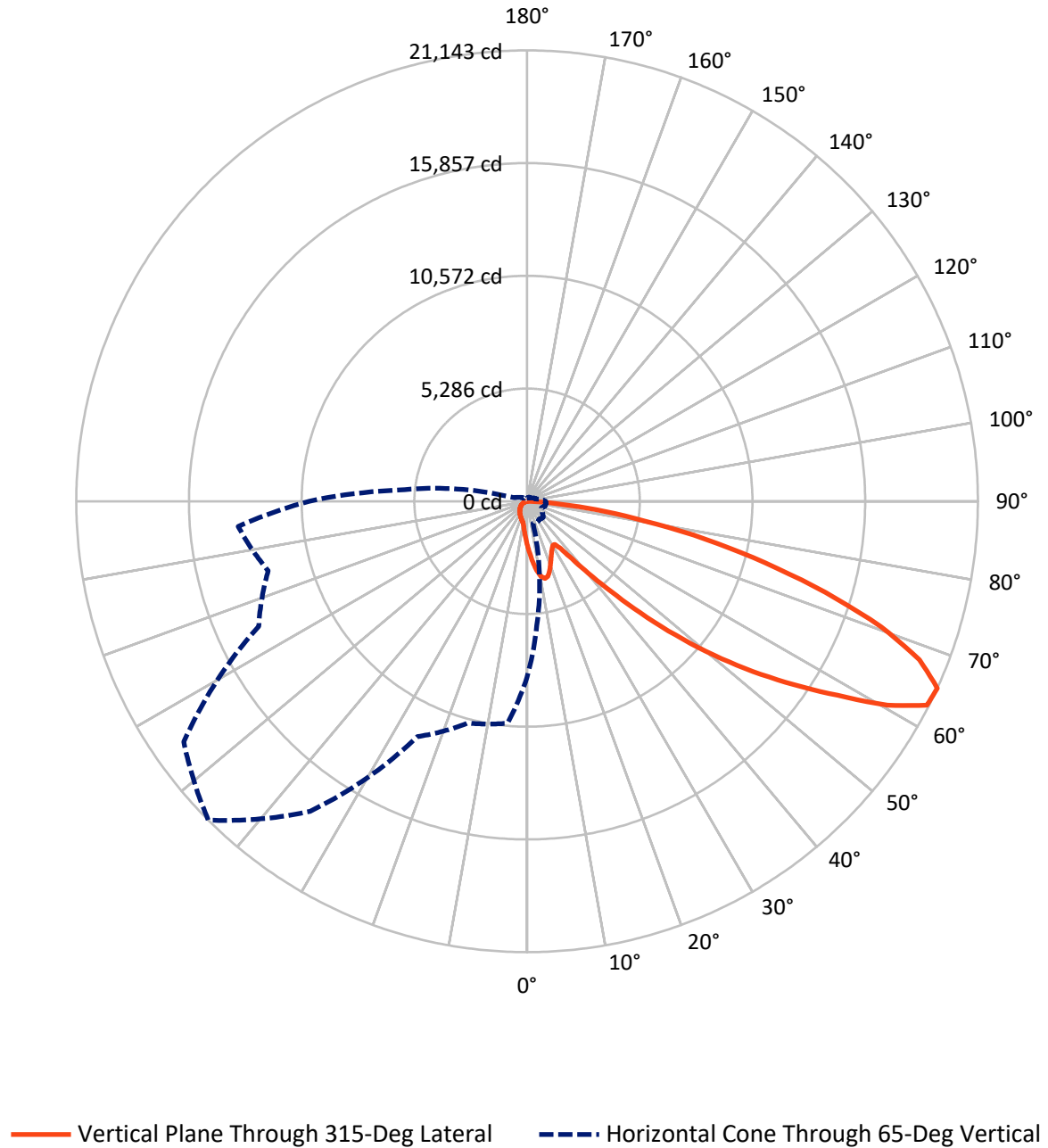
× Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2106.8	0.0	2106.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12937.2	0.0	12937.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	15044.0	0.0	15044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	1.4
10°-20°	614.8	4.1
20°-30°	905.7	6.0
30°-40°	1163.6	7.7
40°-50°	1881.9	12.5
50°-60°	3300.1	21.9
60°-70°	4129.3	27.4
70°-80°	2413.0	16.0
80°-90°	430.5	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°	15044.0	100.0
0°-180°	15044.0	100.0

Coefficient of Utilization



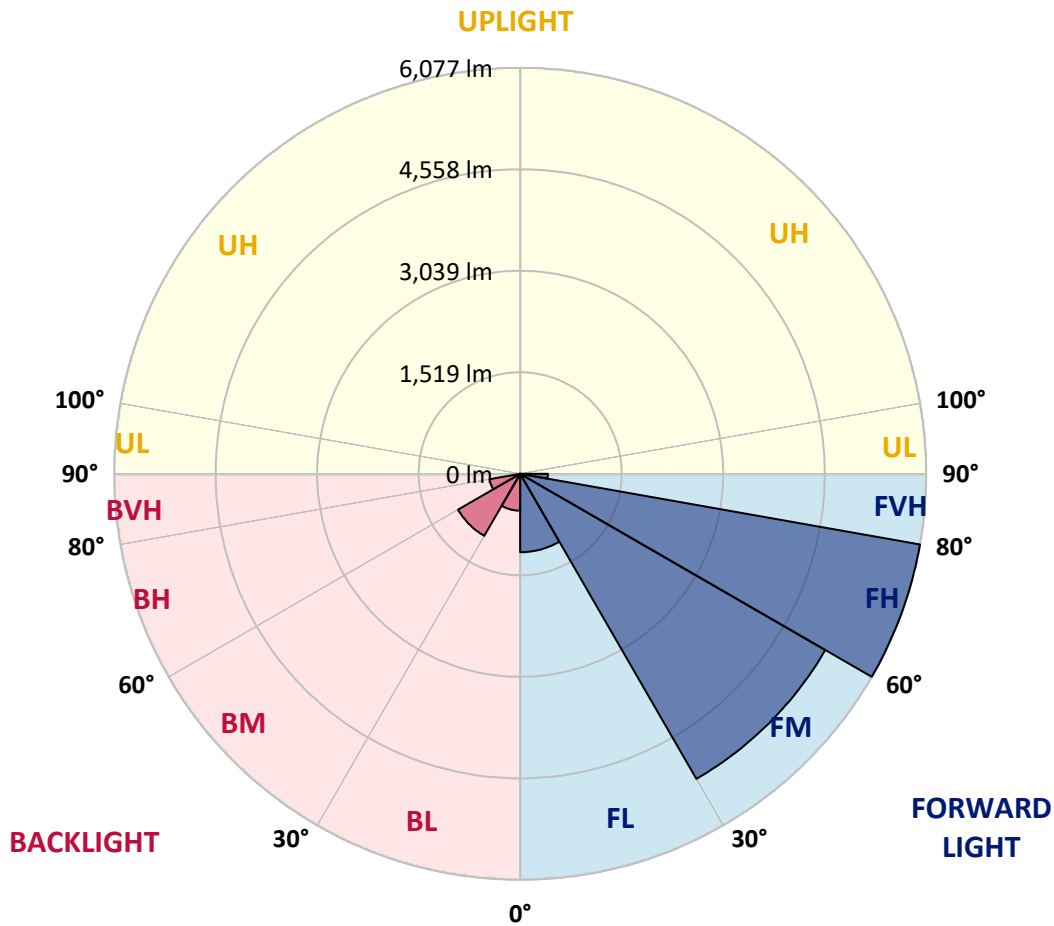
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.4	7.8			
FM (30°-60°)	5272.8	35.0			
FH (60°-80°)	6077.1	40.4			G3/7500
FVH (80°-90°)	414.0	2.8			G3/500
BL (0°-30°)	552.2	3.7	B2/1000		
BM (30°-60°)	1072.8	7.1	B2/2500		
BH (60°-80°)	465.2	3.1	B1/500		G1/500
BVH (80°-90°)	16.5	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°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	2353.6	2313.2	2289.4	2230.3	2171.2	2123.5	2059.3	2016.8	1966.0	1917.3
5°	2623.1	2557.8	2479.0	2371.2	2272.8	2172.2	2074.8	1978.4	1876.9	1783.6
7.5°	2851.1	2756.8	2617.9	2474.9	2349.5	2228.2	2114.2	1986.7	1863.4	1717.3
10°	3025.2	2905.0	2722.6	2535.0	2390.9	2268.6	2157.7	2049.9	1925.6	1749.4
12.5°	3130.9	3002.4	2785.8	2566.1	2401.3	2264.5	2178.5	2130.8	2082.1	1906.9
15°	3208.6	3069.7	2830.3	2587.8	2377.4	2209.6	2146.3	2194.0	2250.0	2138.0
17.5°	3289.5	3143.3	2888.4	2597.2	2313.2	2102.8	2075.9	2199.2	2328.7	2323.6
20°	3366.1	3221.1	2939.2	2590.9	2209.6	1973.3	1997.1	2154.6	2304.9	2368.1
22.5°	3454.2	3300.9	2987.9	2567.1	2074.8	1852.0	1926.6	2084.1	2215.8	2290.4
25°	3562.0	3401.4	3056.3	2531.9	1929.7	1751.5	1855.1	2002.3	2109.0	2160.8
27.5°	3678.1	3521.6	3147.5	2513.2	1812.6	1680.0	1774.3	1904.9	2000.2	2036.5
30°	3822.1	3661.5	3255.3	2492.5	1735.9	1638.5	1690.3	1791.9	1885.2	1921.4
32.5°	3979.7	3817.0	3358.9	2442.7	1689.3	1607.4	1608.5	1672.7	1757.7	1801.2
35°	4176.6	4003.5	3469.8	2333.9	1652.0	1571.1	1528.7	1559.7	1630.2	1682.0
37.5°	4457.4	4248.1	3605.5	2178.5	1597.1	1515.2	1444.7	1452.0	1505.9	1562.9
40°	4845.1	4576.6	3765.1	2016.8	1518.3	1436.4	1352.5	1349.4	1388.7	1444.7
42.5°	5369.5	5010.9	3956.9	1862.4	1442.6	1341.1	1255.0	1249.9	1281.0	1329.7
45°	6061.8	5566.4	4192.1	1729.7	1383.6	1247.8	1162.8	1160.7	1186.6	1229.1
47.5°	6947.9	6338.5	4427.4	1639.5	1352.5	1174.2	1087.2	1091.3	1114.1	1152.4
50°	8095.1	7344.8	4498.9	1593.9	1352.5	1134.8	1019.8	1040.5	1059.2	1088.2
52.5°	9470.4	8310.7	4262.6	1552.5	1360.8	1140.0	962.8	1007.4	1020.8	1045.7
55°	10745.1	8784.3	3664.6	1495.5	1362.8	1172.1	914.1	980.4	1005.3	1014.6
57.5°	11485.1	8621.6	2963.0	1399.1	1354.5	1193.9	883.0	947.2	994.9	1001.1
60°	11344.2	8050.6	2181.6	1325.5	1293.4	1185.6	873.7	896.5	972.1	981.4
62.5°	10258.0	7092.9	1514.1	1268.5	1158.7	1149.3	870.6	816.7	922.4	945.2
65°	8245.4	5584.0	1069.5	1092.3	1015.6	1070.6	854.0	733.8	862.3	893.4
67.5°	5982.0	3778.6	772.1	885.1	920.3	943.1	816.7	673.6	793.9	835.3
70°	3838.7	2040.6	542.0	584.5	775.2	801.1	752.4	619.8	724.4	772.1
72.5°	2728.8	1205.3	389.7	409.4	622.9	667.4	662.2	559.6	643.6	701.6
75°	1883.1	664.3	263.2	292.3	451.9	542.0	510.9	480.9	545.1	604.2
77.5°	1180.4	297.4	157.5	203.1	296.4	425.9	350.3	372.1	424.9	479.8
80°	657.1	115.0	88.1	134.7	161.7	309.9	193.8	239.4	313.0	352.4
82.5°	143.0	14.5	39.4	58.0	63.2	180.3	102.6	138.9	196.9	193.8
85°	0.0	0.0	7.3	8.3	4.1	77.7	37.3	45.6	64.3	60.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
1873.8	2.5°	1865.5	1814.7	1777.4	1758.7	1743.2	1757.7	1766.0	1766.0	1801.2	1821.9
1726.6	5°	1690.3	1599.1	1529.7	1483.1	1455.1	1464.4	1474.8	1486.2	1530.7	1560.8
1639.5	7.5°	1569.1	1429.2	1323.5	1258.2	1224.0	1229.1	1236.4	1245.7	1289.2	1319.3
1652.0	10°	1546.3	1345.2	1196.0	1110.0	1068.5	1061.2	1057.1	1054.0	1079.9	1102.7
1792.9	12.5°	1639.5	1349.4	1141.0	1036.4	985.6	963.8	939.0	919.3	923.4	937.9
2006.4	15°	1806.4	1402.2	1123.4	998.0	934.8	898.5	869.5	845.7	840.5	845.7
2193.0	17.5°	1997.1	1473.7	1121.4	964.9	886.1	848.8	825.0	803.2	795.9	797.0
2297.6	20°	2123.5	1530.7	1115.1	927.6	839.5	806.3	785.6	763.8	756.6	758.6
2268.6	22.5°	2136.0	1560.8	1105.8	886.1	792.8	764.8	744.1	724.4	723.4	723.4
2159.8	25°	2068.6	1560.8	1086.1	848.8	748.3	723.4	704.7	680.9	685.0	687.1
2036.5	27.5°	1963.9	1523.5	1048.8	818.7	709.9	684.0	665.4	643.6	648.8	651.9
1921.4	30°	1860.3	1475.8	1004.2	784.5	673.6	643.6	630.1	611.5	613.5	617.7
1807.4	32.5°	1763.9	1425.0	951.4	756.6	637.4	607.3	597.0	576.2	579.3	583.5
1695.5	35°	1668.6	1369.1	889.2	723.4	604.2	574.2	565.9	542.0	544.1	550.3
1583.6	37.5°	1566.0	1310.0	838.4	690.2	572.1	541.0	532.7	507.8	509.9	517.2
1467.5	40°	1458.2	1251.9	788.7	655.0	537.9	506.8	499.5	472.6	474.7	483.0
1353.5	42.5°	1349.4	1188.7	750.3	609.4	502.6	469.5	462.2	437.4	440.5	449.8
1254.0	45°	1248.8	1113.1	725.5	558.6	469.5	432.2	424.9	402.1	408.3	418.7
1170.1	47.5°	1162.8	1035.3	715.1	516.1	434.2	393.8	387.6	368.9	379.3	390.7
1098.6	50°	1089.2	960.7	701.6	472.6	401.1	360.7	354.4	342.0	355.5	366.9
1049.8	52.5°	1036.4	875.7	672.6	433.2	372.1	332.7	330.6	324.4	336.8	347.2
1013.6	55°	990.8	787.6	626.0	399.0	346.1	308.8	310.9	307.8	318.2	326.5
991.8	57.5°	949.3	711.0	566.9	372.1	318.2	288.1	294.3	290.2	295.4	300.5
969.0	60°	899.6	633.2	496.4	342.0	285.0	267.4	274.6	263.2	262.2	264.3
927.6	62.5°	826.0	528.6	422.8	304.7	256.0	244.6	247.7	225.9	209.3	209.3
866.4	65°	723.4	424.9	354.4	263.2	222.8	213.5	211.4	180.3	157.5	155.5
800.1	67.5°	604.2	349.3	294.3	221.8	185.5	179.3	181.4	158.6	135.8	133.7
733.8	70°	492.3	289.1	237.3	177.2	143.0	149.2	158.6	135.8	114.0	110.9
656.0	72.5°	400.0	230.1	185.5	135.8	105.7	123.3	134.7	110.9	90.2	88.1
559.6	75°	308.8	168.9	132.7	92.2	76.7	95.3	105.7	80.8	64.3	61.1
433.2	77.5°	206.2	104.7	74.6	58.0	45.6	65.3	70.5	42.5	37.3	36.3
315.1	80°	125.4	48.7	32.1	28.0	15.5	23.8	28.0	17.6	19.7	20.7
167.9	82.5°	63.2	13.5	5.2	1.0	0.0	0.0	8.3	4.1	8.3	10.4
45.6	85°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.2
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°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
1830.2	2.5°	1888.3	1931.8	1973.3	2039.6	2108.0	2175.3	2243.8	2310.1	2333.9	2351.5
1580.5	5°	1670.6	1752.5	1847.9	1979.5	2120.4	2265.5	2412.7	2547.4	2608.6	2650.0
1345.2	7.5°	1445.7	1552.5	1689.3	1887.2	2108.0	2339.1	2570.2	2782.7	2881.1	2960.9
1123.4	10°	1222.9	1339.0	1512.1	1738.0	2036.5	2368.1	2687.3	2979.6	3107.1	3207.6
963.8	12.5°	1027.0	1135.9	1317.2	1567.0	1924.5	2345.3	2754.7	3106.0	3256.3	3369.3
849.8	15°	889.2	965.9	1126.5	1396.0	1791.9	2271.7	2758.8	3166.1	3330.9	3449.1
802.2	17.5°	812.5	838.4	943.1	1221.9	1644.7	2175.3	2720.5	3186.9	3363.0	3472.9
759.7	20°	771.1	775.2	804.2	996.0	1456.1	2085.2	2684.2	3207.6	3393.1	3485.3
729.6	22.5°	737.9	737.9	745.2	814.6	1212.6	1977.4	2672.8	3243.9	3434.5	3491.5
695.4	25°	707.8	707.8	709.9	728.6	960.7	1812.6	2665.6	3299.8	3491.5	3507.1
661.2	27.5°	676.8	677.8	677.8	688.2	774.2	1588.8	2634.5	3372.4	3559.9	3527.8
628.0	30°	645.7	647.7	647.7	655.0	685.0	1326.6	2573.3	3459.4	3649.1	3554.8
594.9	32.5°	614.6	616.6	616.6	622.9	644.6	1059.2	2496.6	3539.2	3739.2	3566.2
562.8	35°	582.4	585.6	583.5	591.8	614.6	842.6	2399.2	3619.0	3836.7	3602.4
531.7	37.5°	550.3	552.4	551.4	559.6	585.6	727.5	2286.2	3679.1	3969.3	3683.3
498.5	40°	518.2	517.2	517.2	526.5	554.5	694.4	2144.3	3774.5	4160.0	3825.3
465.3	42.5°	485.0	485.0	483.0	493.3	527.5	669.5	2008.5	3945.5	4437.8	4051.2
434.2	45°	455.0	453.9	449.8	459.1	501.6	626.0	1960.8	4264.7	4848.2	4417.0
403.1	47.5°	425.9	424.9	414.5	422.8	470.5	586.6	2139.1	4787.0	5417.1	4954.9
378.3	50°	400.0	401.1	381.4	388.6	439.4	556.5	2525.6	5464.8	6172.6	5679.3
357.5	52.5°	376.2	376.2	350.3	354.4	401.1	529.6	2893.6	6199.6	7169.6	6689.8
335.8	55°	352.4	350.3	321.3	323.3	362.7	491.2	2948.5	6916.8	8529.4	8210.2
311.9	57.5°	325.4	321.3	294.3	294.3	327.5	463.3	2555.7	7468.1	10216.6	10444.6
267.4	60°	292.3	289.1	271.5	266.3	299.5	488.1	1803.3	7532.4	11304.8	13415.9
212.5	62.5°	249.8	253.9	244.6	237.3	272.6	506.8	1068.5	7015.2	11041.5	14361.0
164.8	65°	196.9	213.5	211.4	206.2	299.5	427.0	631.2	6022.4	10234.2	13598.3
144.1	67.5°	167.9	179.3	176.2	176.2	314.0	324.4	396.9	4705.1	9123.2	12693.5
120.2	70°	143.0	154.4	143.0	143.0	237.3	196.9	274.6	3285.3	7924.1	11692.4
96.4	72.5°	118.1	129.5	117.1	108.8	189.7	147.2	201.1	2053.1	6786.2	10649.8
68.4	75°	90.2	103.6	94.3	83.9	125.4	109.9	152.3	1192.9	5622.3	9111.8
41.5	77.5°	57.0	74.6	70.5	59.1	92.2	79.8	109.9	709.9	4338.3	7119.9
24.9	80°	35.2	38.3	39.4	37.3	52.9	53.9	74.6	404.2	2969.2	4962.2
15.5	82.5°	22.8	22.8	17.6	19.7	25.9	31.1	42.5	152.3	1745.3	3021.0
9.3	85°	16.6	14.5	9.3	9.3	12.4	15.5	16.6	46.6	707.8	1192.9
4.1	87.5°	8.3	7.3	3.1	4.1	6.2	5.2	4.1	2.1	178.3	381.4
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°
2083.1	0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2390.9	2.5°	2411.6	2443.8	2445.8	2445.8	2417.9	2416.8	2359.8	2353.6
2743.3	5°	2839.7	2860.4	2865.6	2855.2	2799.2	2757.8	2646.9	2623.1
3102.9	7.5°	3231.4	3272.9	3272.9	3248.0	3156.8	3071.8	2911.2	2851.1
3400.3	10°	3544.4	3592.1	3581.7	3530.9	3415.9	3298.8	3103.9	3025.2
3580.7	12.5°	3696.7	3745.5	3718.5	3660.5	3548.5	3425.2	3220.0	3130.9
3632.5	15°	3693.6	3680.2	3652.2	3644.9	3591.0	3497.8	3306.0	3208.6
3600.4	17.5°	3562.0	3448.0	3426.3	3498.8	3567.2	3544.4	3380.7	3289.5
3523.7	20°	3353.7	3154.7	3135.0	3273.9	3468.7	3568.2	3450.1	3366.1
3412.8	22.5°	3134.0	2919.5	2873.9	3027.2	3320.5	3575.5	3538.2	3454.2
3290.5	25°	2925.7	2710.1	2664.5	2807.5	3155.8	3563.1	3633.5	3562.0
3173.4	27.5°	2751.6	2543.3	2500.8	2643.8	2997.2	3527.8	3728.9	3678.1
3057.3	30°	2616.8	2424.1	2393.0	2530.8	2860.4	3484.3	3850.1	3822.1
2949.5	32.5°	2538.1	2397.1	2408.5	2521.5	2786.8	3436.6	3966.2	3979.7
2896.7	35°	2615.8	2622.0	2721.5	2768.2	2855.2	3429.4	4123.7	4176.6
2959.9	37.5°	3002.4	3217.9	3424.2	3385.8	3190.0	3513.3	4359.0	4457.4
3235.6	40°	3660.5	4103.0	4437.8	4291.6	3798.3	3770.3	4697.9	4845.1
3724.7	42.5°	4464.7	5215.0	5766.4	5374.6	4582.8	4220.1	5181.9	5369.5
4316.5	45°	5313.5	6586.2	7454.6	6640.1	5419.2	4850.2	5914.6	6061.8
4871.0	47.5°	6207.9	8252.6	9376.1	8043.3	6194.4	5567.4	6913.7	6947.9
5396.4	50°	7186.2	10079.8	11334.8	9445.5	6942.7	6389.2	8134.5	8095.1
6008.9	52.5°	8117.9	11958.7	13252.1	10853.9	7599.7	7409.0	9551.2	9470.4
6846.3	55°	9007.1	13836.6	15180.8	12207.5	8219.5	8756.3	11234.3	10745.1
8053.7	57.5°	10038.3	15524.9	17168.6	13567.2	9085.9	10505.7	13116.4	11485.1
10365.8	60°	11562.8	17443.2	19416.5	15430.6	10733.7	12344.3	13791.0	11344.2
13135.0	62.5°	13509.1	19207.1	21050.8	17256.7	12388.8	12690.4	12797.2	10258.0
12570.2	65°	13887.4	19653.8	21143.1	17744.8	12175.3	10764.8	10447.7	8245.4
11228.1	67.5°	12884.2	18846.5	19853.8	16835.9	10770.0	8319.0	7840.2	5982.0
10347.2	70°	11758.7	17307.5	17607.0	15290.7	9472.5	6118.8	5294.8	3838.7
9744.0	72.5°	10605.2	15254.4	14634.6	13279.1	8325.2	4455.4	3819.0	2728.8
8884.8	75°	9235.1	12554.6	11527.6	11033.2	6892.9	3496.7	2763.0	1883.1
7642.2	77.5°	7395.6	8837.2	8562.5	8552.2	5179.8	2554.7	1843.7	1180.4
5970.6	80°	5217.1	5735.3	5595.4	6441.1	3475.0	1853.0	1110.0	657.1
4155.9	82.5°	2525.6	3171.3	3255.3	3835.6	1690.3	1090.3	256.0	143.0
1625.0	85°	988.7	1529.7	1290.3	1456.1	474.7	303.7	6.2	0.0
267.4	87.5°	110.9	177.2	162.7	128.5	58.0	12.4	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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