

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: P955089

Luminaire Tested: **GALN-SB8A-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955089
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-SB8A-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 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: 16851 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

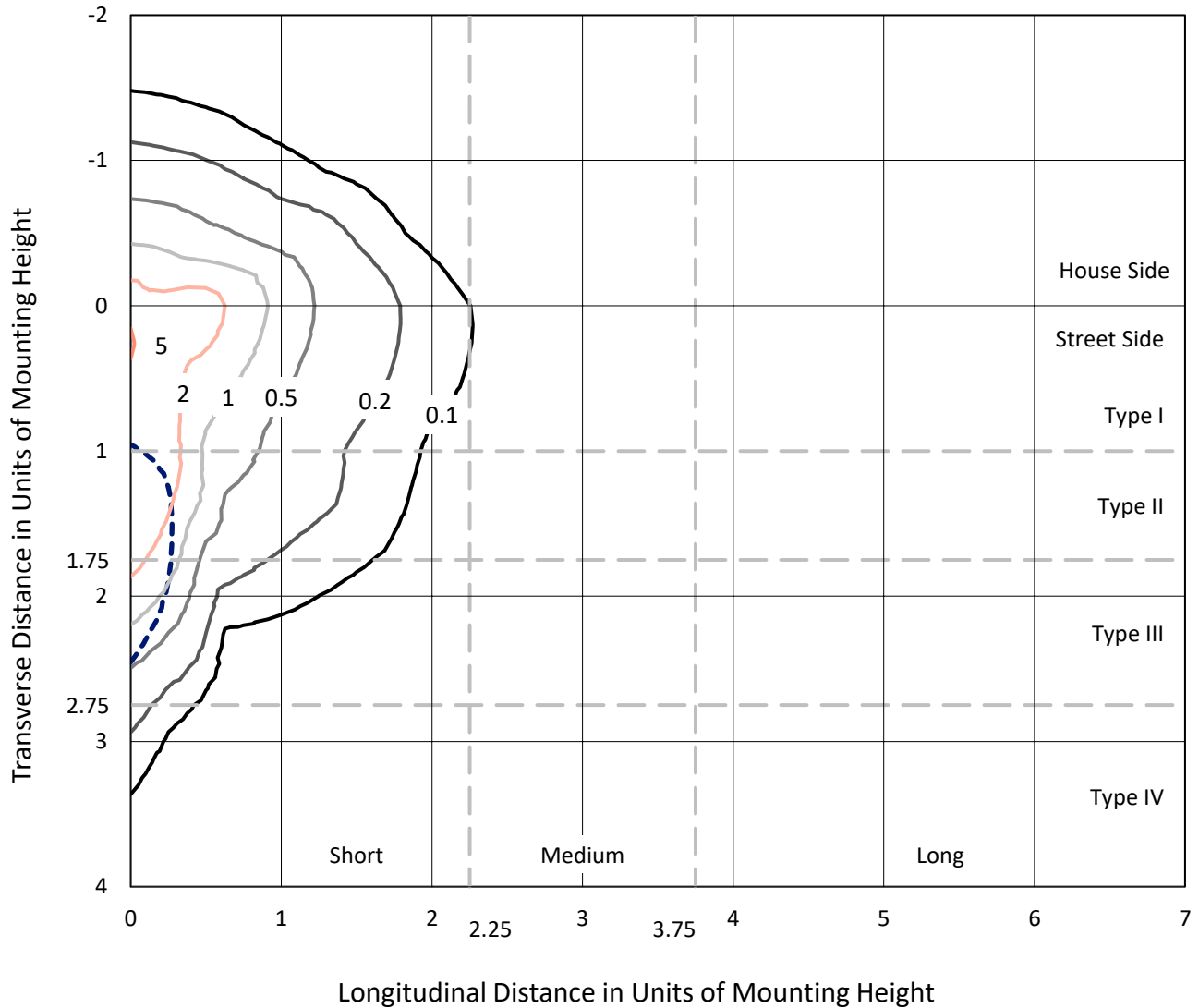
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

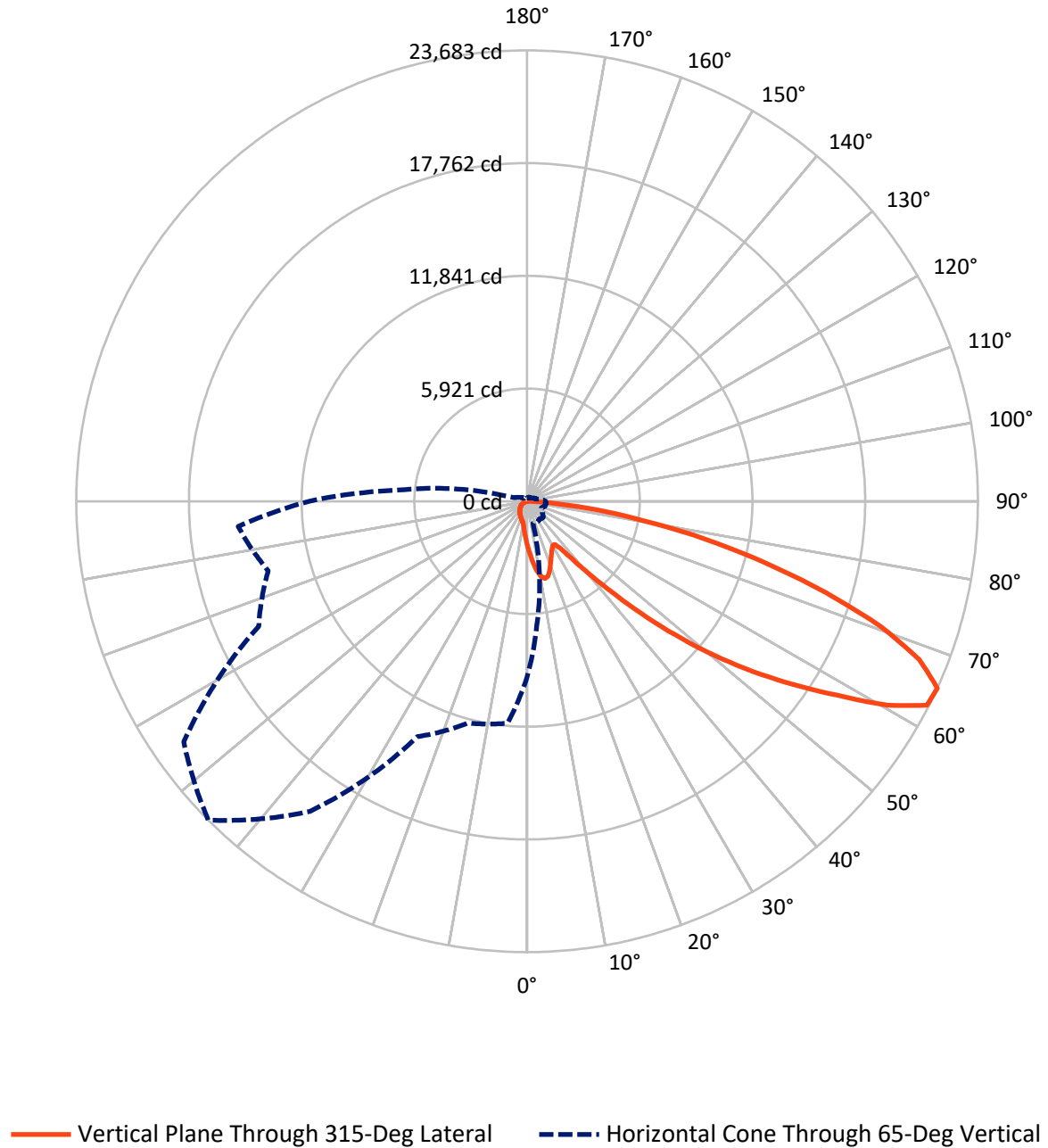
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2359.9	0.0	2359.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14491.1	0.0	14491.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	16851.0	0.0	16851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	1.4
10°-20°	688.6	4.1
20°-30°	1014.5	6.0
30°-40°	1303.4	7.7
40°-50°	2107.9	12.5
50°-60°	3696.5	21.9
60°-70°	4625.3	27.4
70°-80°	2702.8	16.0
80°-90°	482.2	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°	16851.0	100.0
0°-180°	16851.0	100.0

Coefficient of Utilization



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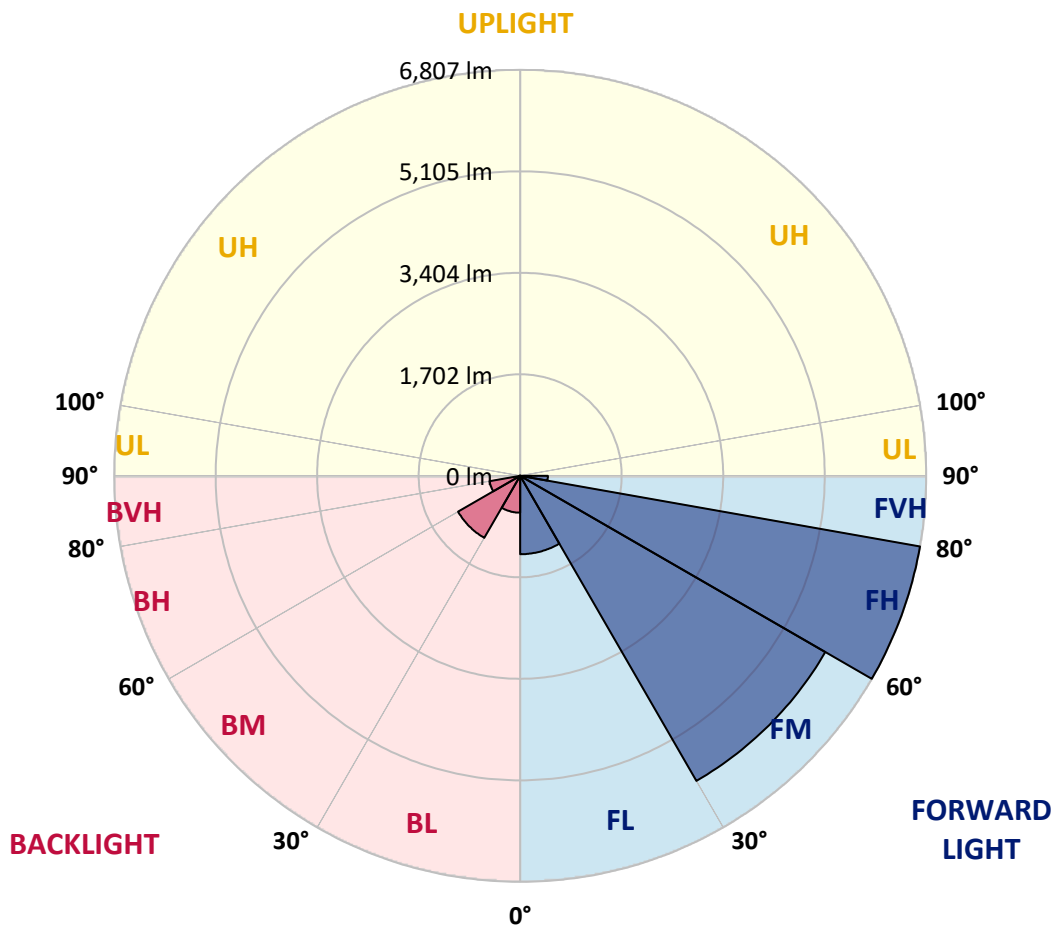
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1314.3	7.8			
FM (30°-60°)	5906.1	35.0			
FH (60°-80°)	6807.0	40.4			G3/7500
FVH (80°-90°)	463.7	2.8			G3/500
BL (0°-30°)	618.6	3.7	B2/1000		
BM (30°-60°)	1201.7	7.1	B2/2500		
BH (60°-80°)	521.1	3.1	B2/1000		G2/1000
BVH (80°-90°)	18.5	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°	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3
2.5°	2636.3	2591.0	2564.3	2498.2	2432.0	2378.6	2306.6	2259.0	2202.1	2147.6
5°	2938.1	2865.0	2776.8	2656.0	2545.8	2433.2	2324.0	2216.1	2102.3	1997.8
7.5°	3193.5	3087.9	2932.3	2772.1	2631.7	2495.8	2368.2	2225.4	2087.2	1923.5
10°	3388.5	3253.9	3049.6	2839.5	2678.1	2541.1	2416.9	2296.2	2156.9	1959.5
12.5°	3507.0	3363.0	3120.4	2874.3	2689.7	2536.5	2440.1	2386.7	2332.2	2136.0
15°	3594.0	3438.5	3170.3	2898.7	2663.0	2474.9	2404.1	2457.5	2520.2	2394.8
17.5°	3684.6	3520.9	3235.3	2909.1	2591.0	2355.4	2325.2	2463.3	2608.4	2602.6
20°	3770.5	3607.9	3292.2	2902.1	2474.9	2210.3	2237.0	2413.4	2581.7	2652.6
22.5°	3869.1	3697.3	3346.8	2875.4	2324.0	2074.5	2158.0	2334.5	2481.9	2565.5
25°	3989.9	3809.9	3423.4	2836.0	2161.5	1961.8	2077.9	2242.8	2362.3	2420.4
27.5°	4119.9	3944.6	3525.5	2815.1	2030.3	1881.8	1987.4	2133.7	2240.5	2281.1
30°	4281.2	4101.3	3646.3	2791.9	1944.4	1835.3	1893.4	2007.1	2111.6	2152.2
32.5°	4457.7	4275.4	3762.3	2736.1	1892.2	1800.5	1801.7	1873.6	1968.8	2017.6
35°	4678.3	4484.4	3886.6	2614.3	1850.4	1759.9	1712.3	1747.1	1826.0	1884.1
37.5°	4992.8	4758.4	4038.6	2440.1	1788.9	1697.2	1618.2	1626.4	1686.7	1750.6
40°	5427.0	5126.3	4217.4	2259.0	1700.7	1608.9	1514.9	1511.4	1555.5	1618.2
42.5°	6014.4	5612.7	4432.2	2086.1	1615.9	1502.2	1405.8	1400.0	1434.8	1489.4
45°	6789.9	6235.0	4695.7	1937.5	1549.7	1397.7	1302.5	1300.2	1329.2	1376.8
47.5°	7782.4	7099.8	4959.2	1836.5	1514.9	1315.3	1217.7	1222.4	1247.9	1290.9
50°	9067.5	8227.0	5039.3	1785.4	1514.9	1271.1	1142.3	1165.5	1186.4	1218.9
52.5°	10607.9	9308.9	4774.6	1739.0	1524.2	1276.9	1078.4	1128.4	1143.4	1171.3
55°	12035.8	9839.4	4104.8	1675.1	1526.5	1312.9	1023.9	1098.2	1126.0	1136.5
57.5°	12864.6	9657.2	3318.9	1567.2	1517.2	1337.3	989.1	1061.0	1114.4	1121.4
60°	12706.8	9017.5	2443.6	1484.7	1448.8	1328.0	978.6	1004.1	1088.9	1099.3
62.5°	11490.2	7944.9	1696.0	1420.9	1297.8	1287.4	975.1	914.8	1033.2	1058.7
65°	9235.8	6254.7	1198.0	1223.5	1137.6	1199.2	956.5	821.9	965.8	1000.7
67.5°	6700.5	4232.5	864.8	991.4	1030.8	1056.4	914.8	754.6	889.2	935.7
70°	4299.8	2285.7	607.1	654.7	868.3	897.3	842.8	694.2	811.4	864.8
72.5°	3056.5	1350.1	436.5	458.5	697.7	747.6	741.8	626.9	720.9	785.9
75°	2109.3	744.1	294.9	327.4	506.1	607.1	572.3	538.6	610.6	676.8
77.5°	1322.2	333.2	176.5	227.5	332.0	477.1	392.4	416.7	476.0	537.5
80°	736.0	128.9	98.7	150.9	181.1	347.1	217.1	268.2	350.6	394.7
82.5°	160.2	16.3	44.1	65.0	70.8	202.0	114.9	155.6	220.6	217.1
85°	0.0	0.0	8.1	9.3	4.6	87.1	41.8	51.1	72.0	67.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°
2333.3	0°	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3
2098.8	2.5°	2089.5	2032.7	1990.9	1970.0	1952.6	1968.8	1978.1	1978.1	2017.6	2040.8
1934.0	5°	1893.4	1791.2	1713.4	1661.2	1629.8	1640.3	1651.9	1664.7	1714.6	1748.3
1836.5	7.5°	1757.5	1600.8	1482.4	1409.3	1371.0	1376.8	1384.9	1395.4	1444.1	1477.8
1850.4	10°	1732.0	1506.8	1339.6	1243.3	1196.8	1188.7	1184.1	1180.6	1209.6	1235.2
2008.3	12.5°	1836.5	1511.4	1278.1	1160.9	1104.0	1079.6	1051.7	1029.7	1034.3	1050.6
2247.4	15°	2023.4	1570.6	1258.4	1117.9	1047.1	1006.5	974.0	947.3	941.5	947.3
2456.4	17.5°	2237.0	1650.7	1256.0	1080.8	992.5	950.7	924.0	899.7	891.5	892.7
2573.6	20°	2378.6	1714.6	1249.1	1039.0	940.3	903.1	879.9	855.6	847.4	849.7
2541.1	22.5°	2392.5	1748.3	1238.6	992.5	888.1	856.7	833.5	811.4	810.3	810.3
2419.2	25°	2317.1	1748.3	1216.6	950.7	838.1	810.3	789.4	762.7	767.3	769.6
2281.1	27.5°	2199.8	1706.5	1174.8	917.1	795.2	766.2	745.3	720.9	726.7	730.2
2152.2	30°	2083.7	1653.1	1124.9	878.8	754.6	720.9	705.8	684.9	687.2	691.9
2024.5	32.5°	1975.8	1596.2	1065.7	847.4	713.9	680.3	668.7	645.4	648.9	653.6
1899.2	35°	1869.0	1533.5	996.0	810.3	676.8	643.1	633.8	607.1	609.5	616.4
1773.8	37.5°	1754.1	1467.3	939.1	773.1	640.8	606.0	596.7	568.8	571.1	579.3
1643.8	40°	1633.3	1402.3	883.4	733.7	602.5	567.7	559.5	529.4	531.7	541.0
1516.1	42.5°	1511.4	1331.5	840.5	682.6	563.0	525.9	517.7	489.9	493.4	503.8
1404.6	45°	1398.8	1246.8	812.6	625.7	525.9	484.1	476.0	450.4	457.4	469.0
1310.6	47.5°	1302.5	1159.7	801.0	578.1	486.4	441.1	434.2	413.3	424.9	437.6
1230.5	50°	1220.1	1076.1	785.9	529.4	449.3	404.0	397.0	383.1	398.2	410.9
1175.9	52.5°	1160.9	980.9	753.4	485.2	416.7	372.6	370.3	363.3	377.3	388.9
1135.3	55°	1109.8	882.3	701.2	446.9	387.7	345.9	348.3	344.8	356.4	365.7
1110.9	57.5°	1063.3	796.3	635.0	416.7	356.4	322.7	329.7	325.0	330.8	336.6
1085.4	60°	1007.6	709.3	556.1	383.1	319.2	299.5	307.6	294.9	293.7	296.0
1039.0	62.5°	925.2	592.0	473.6	341.3	286.7	274.0	277.4	253.1	234.5	234.5
970.5	65°	810.3	476.0	397.0	294.9	249.6	239.1	236.8	202.0	176.5	174.1
896.2	67.5°	676.8	391.2	329.7	248.4	207.8	200.8	203.2	177.6	152.1	149.8
821.9	70°	551.4	323.9	265.8	198.5	160.2	167.2	177.6	152.1	127.7	124.2
734.8	72.5°	448.1	257.7	207.8	152.1	118.4	138.1	150.9	124.2	101.0	98.7
626.9	75°	345.9	189.2	148.6	103.3	85.9	106.8	118.4	90.5	72.0	68.5
485.2	77.5°	231.0	117.2	83.6	65.0	51.1	73.1	78.9	47.6	41.8	40.6
352.9	80°	140.5	54.6	36.0	31.3	17.4	26.7	31.3	19.7	22.1	23.2
188.1	82.5°	70.8	15.1	5.8	1.2	0.0	0.0	9.3	4.6	9.3	11.6
51.1	85°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.8
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°
2333.3	0°	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3
2050.1	2.5°	2115.1	2163.8	2210.3	2284.6	2361.2	2436.6	2513.3	2587.6	2614.3	2634.0
1770.3	5°	1871.3	1963.0	2069.8	2217.2	2375.1	2537.6	2702.5	2853.4	2921.9	2968.3
1506.8	7.5°	1619.4	1739.0	1892.2	2113.9	2361.2	2620.1	2878.9	3116.9	3227.2	3316.6
1258.4	10°	1369.8	1499.8	1693.7	1946.8	2281.1	2652.6	3010.1	3337.5	3480.3	3592.9
1079.6	12.5°	1150.4	1272.3	1475.5	1755.2	2155.7	2627.0	3085.6	3479.1	3647.4	3773.9
951.9	15°	996.0	1081.9	1261.9	1563.7	2007.1	2544.6	3090.2	3546.4	3731.0	3863.3
898.5	17.5°	910.1	939.1	1056.4	1368.7	1842.3	2436.6	3047.3	3569.6	3767.0	3890.0
850.9	20°	863.7	868.3	900.8	1115.6	1631.0	2335.6	3006.6	3592.9	3800.6	3904.0
817.2	22.5°	826.5	826.5	834.7	912.4	1358.2	2214.9	2993.9	3633.5	3847.1	3910.9
778.9	25°	792.9	792.9	795.2	816.1	1076.1	2030.3	2985.7	3696.2	3910.9	3928.3
740.6	27.5°	758.0	759.2	759.2	770.8	867.2	1779.6	2950.9	3777.4	3987.5	3951.6
703.5	30°	723.2	725.5	725.5	733.7	767.3	1485.9	2882.4	3874.9	4087.4	3981.7
666.3	32.5°	688.4	690.7	690.7	697.7	722.1	1186.4	2796.5	3964.3	4188.4	3994.5
630.3	35°	652.4	655.9	653.6	662.8	688.4	943.8	2687.4	4053.7	4297.5	4035.1
595.5	37.5°	616.4	618.7	617.6	626.9	655.9	814.9	2560.9	4121.0	4446.1	4125.7
558.4	40°	580.4	579.3	579.3	589.7	621.1	777.8	2401.8	4227.8	4659.7	4284.7
521.2	42.5°	543.3	543.3	541.0	552.6	590.9	749.9	2249.7	4419.4	4970.8	4537.8
486.4	45°	509.6	508.5	503.8	514.3	561.9	701.2	2196.3	4776.9	5430.5	4947.6
451.6	47.5°	477.1	476.0	464.3	473.6	527.0	657.0	2396.0	5362.0	6067.8	5550.1
423.7	50°	448.1	449.3	427.2	435.3	492.2	623.4	2829.0	6121.2	6914.1	6361.5
400.5	52.5°	421.4	421.4	392.4	397.0	449.3	593.2	3241.1	6944.3	8030.8	7493.3
376.1	55°	394.7	392.4	359.9	362.2	406.3	550.2	3302.6	7747.6	9553.9	9196.3
349.4	57.5°	364.5	359.9	329.7	329.7	366.8	518.9	2862.7	8365.1	11443.7	11699.1
299.5	60°	327.4	323.9	304.1	298.3	335.5	546.8	2019.9	8437.1	12662.6	15027.3
238.0	62.5°	279.8	284.4	274.0	265.8	305.3	567.7	1196.8	7857.8	12367.8	16086.0
184.6	65°	220.6	239.1	236.8	231.0	335.5	478.3	707.0	6745.7	11463.5	15231.6
161.4	67.5°	188.1	200.8	197.3	197.3	351.7	363.3	444.6	5270.3	10219.0	14218.2
134.7	70°	160.2	173.0	160.2	160.2	265.8	220.6	307.6	3679.9	8875.9	13096.8
108.0	72.5°	132.3	145.1	131.2	121.9	212.4	164.8	225.2	2299.7	7601.3	11929.0
76.6	75°	101.0	116.1	105.6	94.0	140.5	123.1	170.6	1336.1	6297.7	10206.3
46.4	77.5°	63.8	83.6	78.9	66.2	103.3	89.4	123.1	795.2	4859.4	7975.1
27.9	80°	39.5	43.0	44.1	41.8	59.2	60.4	83.6	452.7	3325.9	5558.2
17.4	82.5°	25.5	25.5	19.7	22.1	29.0	34.8	47.6	170.6	1954.9	3383.9
10.4	85°	18.6	16.3	10.4	10.4	13.9	17.4	18.6	52.2	792.9	1336.1
4.6	87.5°	9.3	8.1	3.5	4.6	7.0	5.8	4.6	2.3	199.7	427.2
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°
2333.3	0°	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3	2333.3
2678.1	2.5°	2701.3	2737.3	2739.6	2739.6	2708.3	2707.1	2643.3	2636.3
3072.8	5°	3180.8	3204.0	3209.8	3198.2	3135.5	3089.0	2964.8	2938.1
3475.6	7.5°	3619.6	3666.0	3666.0	3638.1	3536.0	3440.8	3260.8	3193.5
3808.8	10°	3970.1	4023.5	4011.9	3955.0	3826.2	3695.0	3476.8	3388.5
4010.8	12.5°	4140.8	4195.3	4165.2	4100.1	3974.8	3836.6	3606.8	3507.0
4068.8	15°	4137.3	4122.2	4090.9	4082.7	4022.4	3917.9	3703.1	3594.0
4032.8	17.5°	3989.9	3862.2	3837.8	3919.1	3995.7	3970.1	3786.7	3684.6
3946.9	20°	3756.5	3533.7	3511.6	3667.1	3885.4	3996.8	3864.5	3770.5
3822.7	22.5°	3510.4	3270.1	3219.1	3390.9	3719.4	4005.0	3963.2	3869.1
3685.7	25°	3277.1	3035.6	2984.6	3144.8	3534.8	3991.0	4070.0	3989.9
3554.5	27.5°	3082.1	2848.7	2801.2	2961.3	3357.2	3951.6	4176.8	4119.9
3424.5	30°	2931.2	2715.2	2680.4	2834.8	3204.0	3902.8	4312.6	4281.2
3303.8	32.5°	2842.9	2685.1	2697.8	2824.4	3121.5	3849.4	4442.6	4457.7
3244.6	35°	2930.0	2937.0	3048.4	3100.7	3198.2	3841.3	4619.1	4678.3
3315.4	37.5°	3363.0	3604.5	3835.5	3792.5	3573.1	3935.3	4882.6	4992.8
3624.2	40°	4100.1	4595.8	4970.8	4807.1	4254.5	4223.2	5262.2	5427.0
4172.1	42.5°	5001.0	5841.4	6459.0	6020.2	5133.3	4727.0	5804.3	6014.4
4835.0	45°	5951.7	7377.3	8350.1	7437.6	6070.1	5432.8	6625.0	6789.9
5456.0	47.5°	6953.5	9243.9	10502.3	9009.4	6938.4	6236.1	7744.1	7782.4
6044.6	50°	8049.4	11290.5	12696.3	10580.1	7776.6	7156.7	9111.6	9067.5
6730.7	52.5°	9093.0	13395.1	14843.9	12157.7	8512.6	8299.0	10698.5	10607.9
7668.6	55°	10089.0	15498.6	17004.2	13673.7	9206.8	9808.1	12583.7	12035.8
9021.0	57.5°	11244.1	17389.7	19230.8	15196.8	10177.2	11767.6	14691.8	12864.6
11610.9	60°	12951.7	19538.4	21748.7	17284.0	12023.0	13827.0	15447.5	12706.8
14712.7	62.5°	15131.8	21514.2	23579.3	19329.4	13876.9	14214.7	14334.3	11490.2
14080.0	65°	15555.5	22014.5	23682.7	19876.2	13637.8	12057.8	11702.6	9235.8
12576.7	67.5°	14431.8	21110.2	22238.6	18858.1	12063.6	9318.2	8781.9	6700.5
11590.0	70°	13171.1	19386.3	19721.8	17127.3	10610.2	6853.7	5930.8	4299.8
10914.4	72.5°	11879.1	17086.7	16392.5	14874.1	9325.2	4990.5	4277.8	3056.5
9952.0	75°	10344.4	14062.6	12912.2	12358.5	7720.9	3916.7	3094.8	2109.3
8560.2	77.5°	8283.9	9898.6	9591.0	9579.4	5802.0	2861.5	2065.2	1322.2
6687.7	80°	5843.8	6424.2	6267.5	7214.7	3892.4	2075.6	1243.3	736.0
4655.0	82.5°	2829.0	3552.2	3646.3	4296.3	1893.4	1221.2	286.7	160.2
1820.2	85°	1107.5	1713.4	1445.3	1631.0	531.7	340.1	7.0	0.0
299.5	87.5°	124.2	198.5	182.3	143.9	65.0	13.9	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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