

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: P955803

Luminaire Tested: **GALN-SB8C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955803
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-SB8C-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA 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: 28132 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

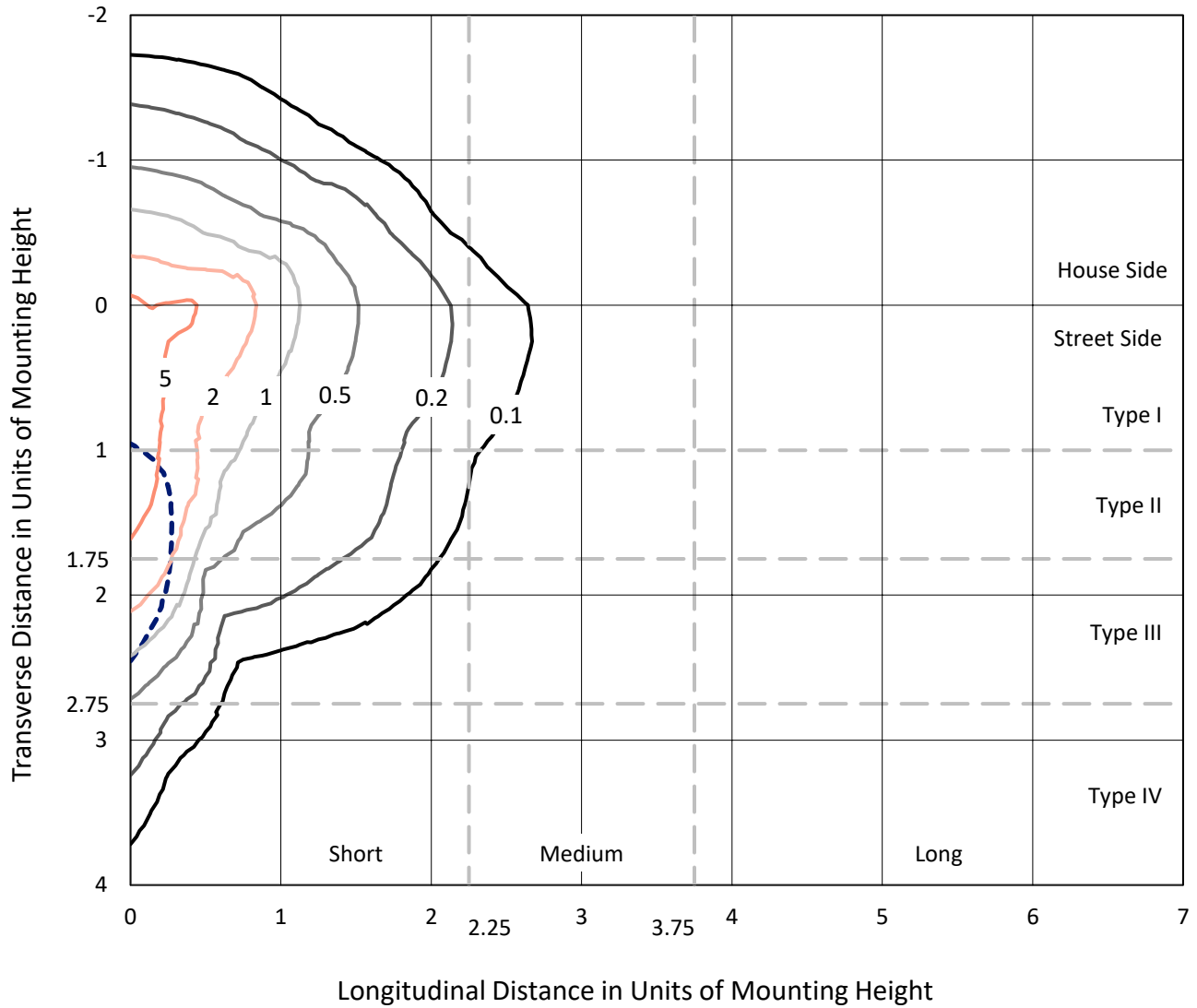
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

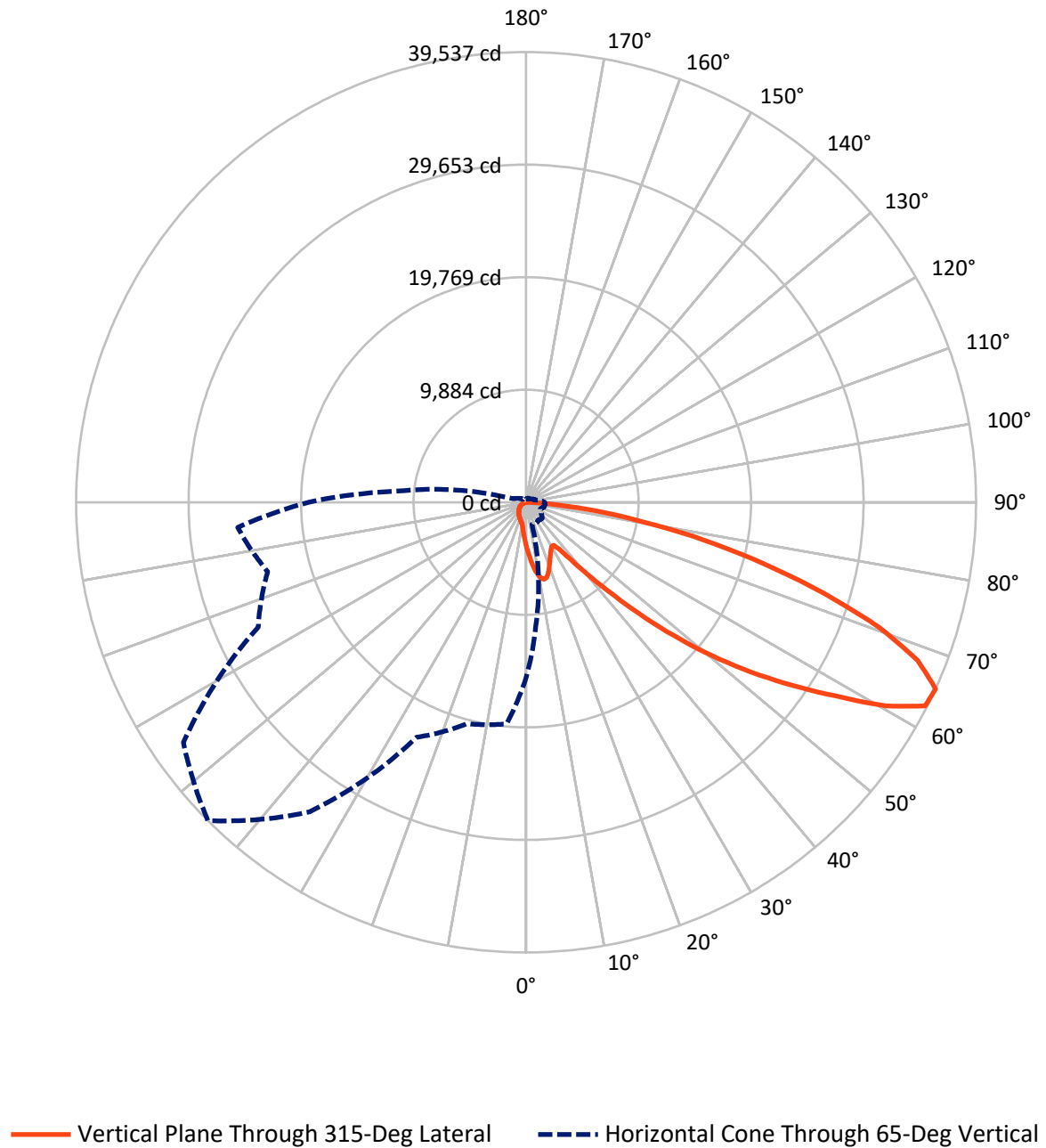
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	3939.7	0.0	3939.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	24192.3	0.0	24192.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	28132.0	0.0	28132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.5	1.4
10°-20°	1149.7	4.1
20°-30°	1693.7	6.0
30°-40°	2175.9	7.7
40°-50°	3519.1	12.5
50°-60°	6171.1	21.9
60°-70°	7721.7	27.4
70°-80°	4512.2	16.0
80°-90°	805.1	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°	28132.0	100.0
0°-180°	28132.0	100.0

Coefficient of Utilization

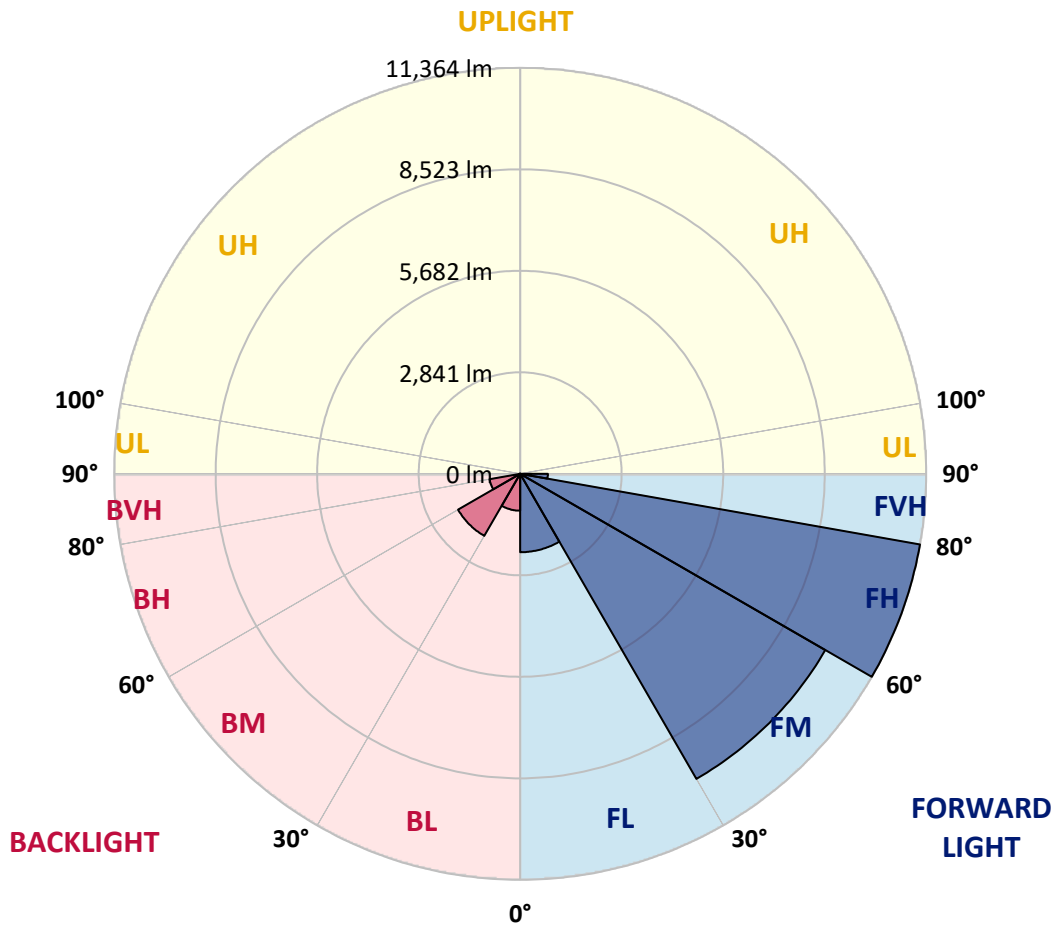


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2194.2	7.8			
FM (30°-60°)	9860.0	35.0			
FH (60°-80°)	11364.0	40.4			G4/12000
FVH (80°-90°)	774.1	2.8			G5
BL (0°-30°)	1032.7	3.7	B3/2500		
BM (30°-60°)	2006.2	7.1	B2/2500		
BH (60°-80°)	869.9	3.1	B2/1000		G2/1000
BVH (80°-90°)	30.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4
2.5°	4401.2	4325.6	4281.0	4170.6	4060.1	3971.0	3850.8	3771.3	3676.4	3585.3
5°	4905.1	4783.0	4635.7	4434.1	4250.0	4062.0	3879.9	3699.6	3509.7	3335.3
7.5°	5331.4	5155.1	4895.4	4627.9	4393.4	4166.7	3953.5	3715.1	3484.5	3211.3
10°	5657.0	5432.2	5091.1	4740.4	4471.0	4242.3	4034.9	3833.4	3600.8	3271.3
12.5°	5854.7	5614.4	5209.3	4798.5	4490.3	4234.5	4073.7	3984.5	3893.4	3565.9
15°	6000.1	5740.4	5292.7	4839.2	4445.8	4131.8	4013.6	4102.7	4207.4	3998.1
17.5°	6151.2	5878.0	5401.2	4856.6	4325.6	3932.2	3881.8	4112.4	4354.7	4345.0
20°	6294.6	6023.3	5496.2	4845.0	4131.8	3690.0	3734.5	4029.1	4310.1	4428.3
22.5°	6459.4	6172.5	5587.3	4800.4	3879.9	3463.2	3602.7	3897.3	4143.4	4283.0
25°	6660.9	6360.5	5715.2	4734.5	3608.6	3275.2	3469.0	3744.2	3943.8	4040.7
27.5°	6878.0	6585.3	5885.7	4699.7	3389.6	3141.5	3317.9	3562.0	3740.3	3808.2
30°	7147.3	6847.0	6087.3	4660.9	3246.2	3064.0	3160.9	3350.8	3525.2	3593.1
32.5°	7441.9	7137.7	6281.1	4567.9	3158.9	3005.8	3007.8	3127.9	3286.8	3368.2
35°	7810.1	7486.5	6488.4	4364.4	3089.2	2938.0	2858.6	2916.7	3048.5	3145.4
37.5°	8335.3	7943.9	6742.3	4073.7	2986.5	2833.4	2701.6	2715.1	2815.9	2922.5
40°	9060.2	8558.2	7040.8	3771.3	2839.2	2686.1	2529.1	2523.3	2596.9	2701.6
42.5°	10040.8	9370.2	7399.3	3482.6	2697.7	2507.8	2346.9	2337.2	2395.4	2486.5
45°	11335.4	10409.0	7839.2	3234.5	2587.2	2333.4	2174.4	2170.6	2219.0	2298.5
47.5°	12992.4	11852.8	8279.1	3065.9	2529.1	2195.8	2033.0	2040.7	2083.4	2155.1
50°	15137.7	13734.6	8412.9	2980.6	2529.1	2122.1	1907.0	1945.8	1980.6	2034.9
52.5°	17709.5	15540.8	7971.0	2903.1	2544.6	2131.8	1800.4	1883.7	1908.9	1955.4
55°	20093.2	16426.5	6852.8	2796.5	2548.5	2191.9	1709.3	1833.3	1879.9	1897.3
57.5°	21476.9	16122.2	5540.7	2616.3	2533.0	2232.6	1651.2	1771.3	1860.5	1872.1
60°	21213.4	15054.4	4079.5	2478.7	2418.6	2217.1	1633.7	1676.4	1817.8	1835.3
62.5°	19182.3	13263.7	2831.4	2372.1	2166.7	2149.2	1627.9	1527.1	1724.8	1767.5
65°	15418.7	10441.9	2000.0	2042.7	1899.2	2002.0	1596.9	1372.1	1612.4	1670.6
67.5°	11186.1	7066.0	1443.8	1655.1	1720.9	1763.6	1527.1	1259.7	1484.5	1562.0
70°	7178.4	3815.9	1013.6	1093.0	1449.6	1498.1	1407.0	1158.9	1354.7	1443.8
72.5°	5102.8	2253.9	728.7	765.5	1164.7	1248.1	1238.4	1046.5	1203.5	1312.0
75°	3521.3	1242.3	492.3	546.5	845.0	1013.6	955.4	899.2	1019.4	1129.9
77.5°	2207.4	556.2	294.6	379.8	554.3	796.5	655.0	695.7	794.6	897.3
80°	1228.7	215.1	164.7	251.9	302.3	579.5	362.4	447.7	585.3	658.9
82.5°	267.4	27.1	73.6	108.5	118.2	337.2	191.9	259.7	368.2	362.4
85°	0.0	0.0	13.6	15.5	7.8	145.4	69.8	85.3	120.2	112.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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°
3895.4	0°	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4
3503.9	2.5°	3488.4	3393.4	3323.7	3288.8	3259.7	3286.8	3302.4	3302.4	3368.2	3407.0
3228.7	5°	3160.9	2990.3	2860.5	2773.3	2721.0	2738.4	2757.8	2779.1	2862.4	2918.6
3065.9	7.5°	2934.1	2672.5	2474.8	2352.7	2288.8	2298.5	2312.0	2329.5	2410.9	2467.1
3089.2	10°	2891.5	2515.5	2236.5	2075.6	1998.1	1984.5	1976.8	1970.9	2019.4	2062.0
3352.7	12.5°	3065.9	2523.3	2133.7	1938.0	1843.0	1802.3	1755.8	1719.0	1726.8	1753.9
3752.0	15°	3377.9	2622.1	2100.8	1866.3	1748.1	1680.2	1626.0	1581.4	1571.7	1581.4
4100.8	17.5°	3734.5	2755.8	2096.9	1804.3	1657.0	1587.2	1542.6	1502.0	1488.4	1490.3
4296.5	20°	3971.0	2862.4	2085.3	1734.5	1569.8	1507.8	1469.0	1428.3	1414.7	1418.6
4242.3	22.5°	3994.2	2918.6	2067.8	1657.0	1482.6	1430.2	1391.5	1354.7	1352.7	1352.7
4038.8	25°	3868.2	2918.6	2031.0	1587.2	1399.2	1352.7	1317.8	1273.3	1281.0	1284.9
3808.2	27.5°	3672.5	2848.9	1961.3	1531.0	1327.5	1279.1	1244.2	1203.5	1213.2	1219.0
3593.1	30°	3478.7	2759.7	1877.9	1467.1	1259.7	1203.5	1178.3	1143.4	1147.3	1155.0
3379.9	32.5°	3298.5	2664.8	1779.1	1414.7	1191.9	1135.7	1116.3	1077.5	1083.3	1091.1
3170.6	35°	3120.2	2560.1	1662.8	1352.7	1129.9	1073.7	1058.1	1013.6	1017.5	1029.1
2961.3	37.5°	2928.3	2449.6	1567.8	1290.7	1069.8	1011.6	996.1	949.6	953.5	967.1
2744.2	40°	2726.8	2341.1	1474.8	1224.8	1005.8	947.7	934.1	883.7	887.6	903.1
2531.0	42.5°	2523.3	2222.9	1403.1	1139.5	939.9	877.9	864.3	817.8	823.7	841.1
2345.0	45°	2335.3	2081.4	1356.6	1044.6	877.9	808.1	794.6	751.9	763.6	783.0
2188.0	47.5°	2174.4	1936.1	1337.2	965.1	812.0	736.4	724.8	689.9	709.3	730.6
2054.3	50°	2036.8	1796.5	1312.0	883.7	750.0	674.4	662.8	639.5	664.7	686.1
1963.2	52.5°	1938.0	1637.6	1257.8	810.1	695.7	622.1	618.2	606.6	629.9	649.2
1895.4	55°	1852.7	1472.9	1170.6	746.1	647.3	577.5	581.4	575.6	595.0	610.5
1854.7	57.5°	1775.2	1329.5	1060.1	695.7	595.0	538.8	550.4	542.6	552.3	562.0
1812.0	60°	1682.2	1184.1	928.3	639.5	533.0	500.0	513.6	492.3	490.3	494.2
1734.5	62.5°	1544.6	988.4	790.7	569.8	478.7	457.4	463.2	422.5	391.5	391.5
1620.2	65°	1352.7	794.6	662.8	492.3	416.7	399.2	395.4	337.2	294.6	290.7
1496.1	67.5°	1129.9	653.1	550.4	414.7	346.9	335.3	339.2	296.5	253.9	250.0
1372.1	70°	920.6	540.7	443.8	331.4	267.4	279.1	296.5	253.9	213.2	207.4
1226.8	72.5°	748.1	430.2	346.9	253.9	197.7	230.6	251.9	207.4	168.6	164.7
1046.5	75°	577.5	315.9	248.1	172.5	143.4	178.3	197.7	151.2	120.2	114.3
810.1	77.5°	385.7	195.7	139.5	108.5	85.3	122.1	131.8	79.5	69.8	67.8
589.2	80°	234.5	91.1	60.1	52.3	29.1	44.6	52.3	32.9	36.8	38.8
314.0	82.5°	118.2	25.2	9.7	1.9	0.0	0.0	15.5	7.8	15.5	19.4
85.3	85°	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.7
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°
3895.4	0°	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4
3422.5	2.5°	3531.0	3612.4	3690.0	3814.0	3941.9	4067.9	4195.8	4319.8	4364.4	4397.3
2955.5	5°	3124.1	3277.2	3455.5	3701.6	3965.1	4236.5	4511.7	4763.6	4877.9	4955.5
2515.5	7.5°	2703.5	2903.1	3158.9	3529.1	3941.9	4374.1	4806.2	5203.5	5387.6	5536.9
2100.8	10°	2286.8	2503.9	2827.5	3250.0	3808.2	4428.3	5025.2	5571.8	5810.1	5998.1
1802.3	12.5°	1920.6	2124.0	2463.2	2930.3	3598.9	4385.7	5151.2	5808.2	6089.2	6300.4
1589.2	15°	1662.8	1806.2	2106.6	2610.5	3350.8	4248.1	5159.0	5920.6	6228.7	6449.7
1500.0	17.5°	1519.4	1567.8	1763.6	2284.9	3075.6	4067.9	5087.3	5959.4	6288.8	6494.2
1420.6	20°	1441.9	1449.6	1503.9	1862.4	2722.9	3899.3	5019.4	5998.1	6345.0	6517.5
1364.4	22.5°	1379.9	1379.9	1393.4	1523.3	2267.5	3697.7	4998.1	6065.9	6422.5	6529.1
1300.4	25°	1323.7	1323.7	1327.5	1362.4	1796.5	3389.6	4984.5	6170.6	6529.1	6558.2
1236.4	27.5°	1265.5	1267.5	1267.5	1286.8	1447.7	2971.0	4926.4	6306.3	6657.0	6597.0
1174.4	30°	1207.4	1211.3	1211.3	1224.8	1281.0	2480.6	4812.1	6469.0	6823.7	6647.3
1112.4	32.5°	1149.2	1153.1	1153.1	1164.7	1205.4	1980.6	4668.6	6618.3	6992.3	6668.7
1052.3	35°	1089.2	1095.0	1091.1	1106.6	1149.2	1575.6	4486.5	6767.5	7174.5	6736.5
994.2	37.5°	1029.1	1033.0	1031.0	1046.5	1095.0	1360.5	4275.2	6879.9	7422.5	6887.7
932.2	40°	969.0	967.1	967.1	984.5	1036.8	1298.5	4009.7	7058.2	7779.1	7153.2
870.2	42.5°	907.0	907.0	903.1	922.5	986.4	1251.9	3755.8	7378.0	8298.5	7575.6
812.0	45°	850.8	848.8	841.1	858.5	938.0	1170.6	3666.7	7974.9	9066.0	8259.8
753.9	47.5°	796.5	794.6	775.2	790.7	879.9	1096.9	4000.0	8951.6	10129.9	9265.6
707.4	50°	748.1	750.0	713.2	726.8	821.7	1040.7	4722.9	10219.1	11542.7	10620.2
668.6	52.5°	703.5	703.5	655.0	662.8	750.0	990.3	5410.9	11593.1	13407.1	12509.8
627.9	55°	658.9	655.0	600.8	604.7	678.3	918.6	5513.6	12934.2	15949.7	15352.8
583.3	57.5°	608.5	600.8	550.4	550.4	612.4	866.3	4779.1	13965.2	19104.8	19531.2
500.0	60°	546.5	540.7	507.8	498.1	560.1	912.8	3372.1	14085.4	21139.7	25087.4
397.3	62.5°	467.1	474.8	457.4	443.8	509.7	947.7	1998.1	13118.3	20647.5	26854.9
308.1	65°	368.2	399.2	395.4	385.7	560.1	798.5	1180.2	11261.7	19137.8	25428.5
269.4	67.5°	314.0	335.3	329.5	329.5	587.2	606.6	742.3	8798.5	17060.2	23736.6
224.8	70°	267.4	288.8	267.4	267.4	443.8	368.2	513.6	6143.5	14818.0	21864.5
180.2	72.5°	220.9	242.3	219.0	203.5	354.7	275.2	376.0	3839.2	12690.0	19914.9
127.9	75°	168.6	193.8	176.4	157.0	234.5	205.4	284.9	2230.6	10513.7	17038.9
77.5	77.5°	106.6	139.5	131.8	110.5	172.5	149.2	205.4	1327.5	8112.5	13314.1
46.5	80°	65.9	71.7	73.6	69.8	98.8	100.8	139.5	755.8	5552.4	9279.1
29.1	82.5°	42.6	42.6	32.9	36.8	48.5	58.1	79.5	284.9	3263.6	5649.3
17.4	85°	31.0	27.1	17.4	17.4	23.3	29.1	31.0	87.2	1323.7	2230.6
7.8	87.5°	15.5	13.6	5.8	7.8	11.6	9.7	7.8	3.9	333.3	713.2
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°
3895.4	0°	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4	3895.4
4471.0	2.5°	4509.7	4569.8	4573.7	4573.7	4521.4	4519.4	4412.8	4401.2
5129.9	5°	5310.1	5348.9	5358.6	5339.2	5234.5	5157.0	4949.7	4905.1
5802.4	7.5°	6042.7	6120.2	6120.2	6073.7	5903.2	5744.2	5443.8	5331.4
6358.6	10°	6628.0	6717.1	6697.7	6602.8	6387.7	6168.7	5804.3	5657.0
6695.8	12.5°	6912.8	7003.9	6953.5	6845.0	6635.7	6405.1	6021.4	5854.7
6792.7	15°	6907.0	6881.8	6829.5	6815.9	6715.2	6540.8	6182.2	6000.1
6732.6	17.5°	6660.9	6447.7	6407.0	6542.7	6670.6	6628.0	6321.8	6151.2
6589.2	20°	6271.4	5899.3	5862.5	6122.1	6486.5	6672.5	6451.6	6294.6
6381.8	22.5°	5860.5	5459.3	5374.1	5660.9	6209.4	6686.1	6616.3	6459.4
6153.2	25°	5471.0	5067.9	4982.6	5250.0	5901.2	6662.8	6794.6	6660.9
5934.2	27.5°	5145.4	4755.9	4676.4	4943.8	5604.7	6597.0	6972.9	6878.0
5717.1	30°	4893.5	4533.0	4474.8	4732.6	5348.9	6515.6	7199.7	7147.3
5515.6	32.5°	4746.2	4482.6	4503.9	4715.2	5211.3	6426.4	7416.7	7441.9
5416.7	35°	4891.5	4903.1	5089.2	5176.4	5339.2	6412.8	7711.3	7810.1
5534.9	37.5°	5614.4	6017.5	6403.2	6331.4	5965.2	6569.8	8151.2	8335.3
6050.4	40°	6845.0	7672.5	8298.5	8025.3	7102.8	7050.4	8785.0	9060.2
6965.2	42.5°	8348.9	9752.0	10783.0	10050.5	8569.8	7891.5	9690.0	10040.8
8071.8	45°	9936.1	12316.0	13940.0	12416.8	10133.8	9069.8	11060.2	11335.4
9108.6	47.5°	11608.6	15432.3	17533.1	15040.8	11583.4	10410.9	12928.4	12992.4
10091.2	50°	13438.1	18849.0	21195.9	17662.9	12982.7	11947.8	15211.4	15137.7
11236.5	52.5°	15180.4	22362.6	24781.2	20296.7	14211.4	13854.8	17860.6	17709.5
12802.4	55°	16843.2	25874.3	28387.8	22827.7	15370.3	16374.2	21007.9	20093.2
15060.2	57.5°	18771.5	29031.3	32104.9	25370.4	16990.5	19645.5	24527.3	21476.9
19383.9	60°	21622.3	32618.5	36308.4	28854.9	20071.9	23083.5	25789.0	21213.4
24562.2	62.5°	25261.8	35917.0	39364.7	32269.7	23166.9	23730.8	23930.4	19182.3
23506.0	65°	25969.2	36752.2	39537.2	33182.5	22767.6	20130.0	19537.0	15418.7
20996.3	67.5°	24093.2	35242.5	37126.3	31482.8	20139.7	15556.3	14661.0	11186.1
19349.0	70°	21988.6	32364.6	32924.7	28593.3	17713.3	11442.0	9901.2	7178.4
18221.1	72.5°	19831.6	28525.4	27366.5	24831.6	15568.0	8331.5	7141.5	5102.8
16614.5	75°	17269.5	23476.9	21556.4	20632.0	12889.6	6538.8	5166.7	3521.3
14290.8	77.5°	13829.6	16525.3	16011.8	15992.4	9686.1	4777.2	3447.7	2207.4
11164.8	80°	9755.9	10724.9	10463.3	12044.7	6498.1	3465.1	2075.6	1228.7
7771.4	82.5°	4722.9	5930.3	6087.3	7172.5	3160.9	2038.8	478.7	267.4
3038.8	85°	1848.9	2860.5	2412.8	2722.9	887.6	567.8	11.6	0.0
500.0	87.5°	207.4	331.4	304.3	240.3	108.5	23.3	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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