

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: P954186

Luminaire Tested: **GALN-SB7C-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954186
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-SB7C-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 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: 40648 lumens
Efficiency: N/A
Efficacy: 116.0 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

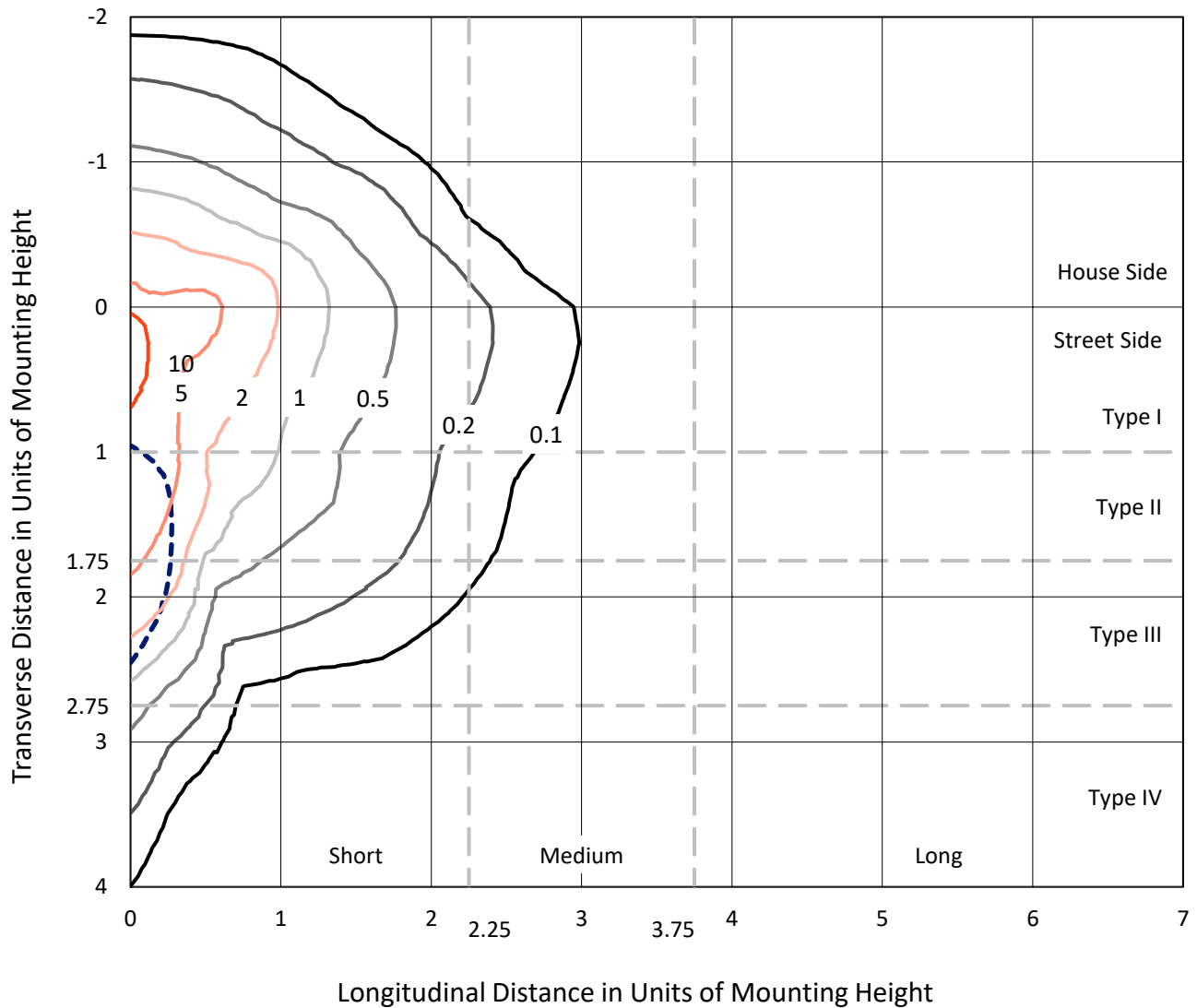
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

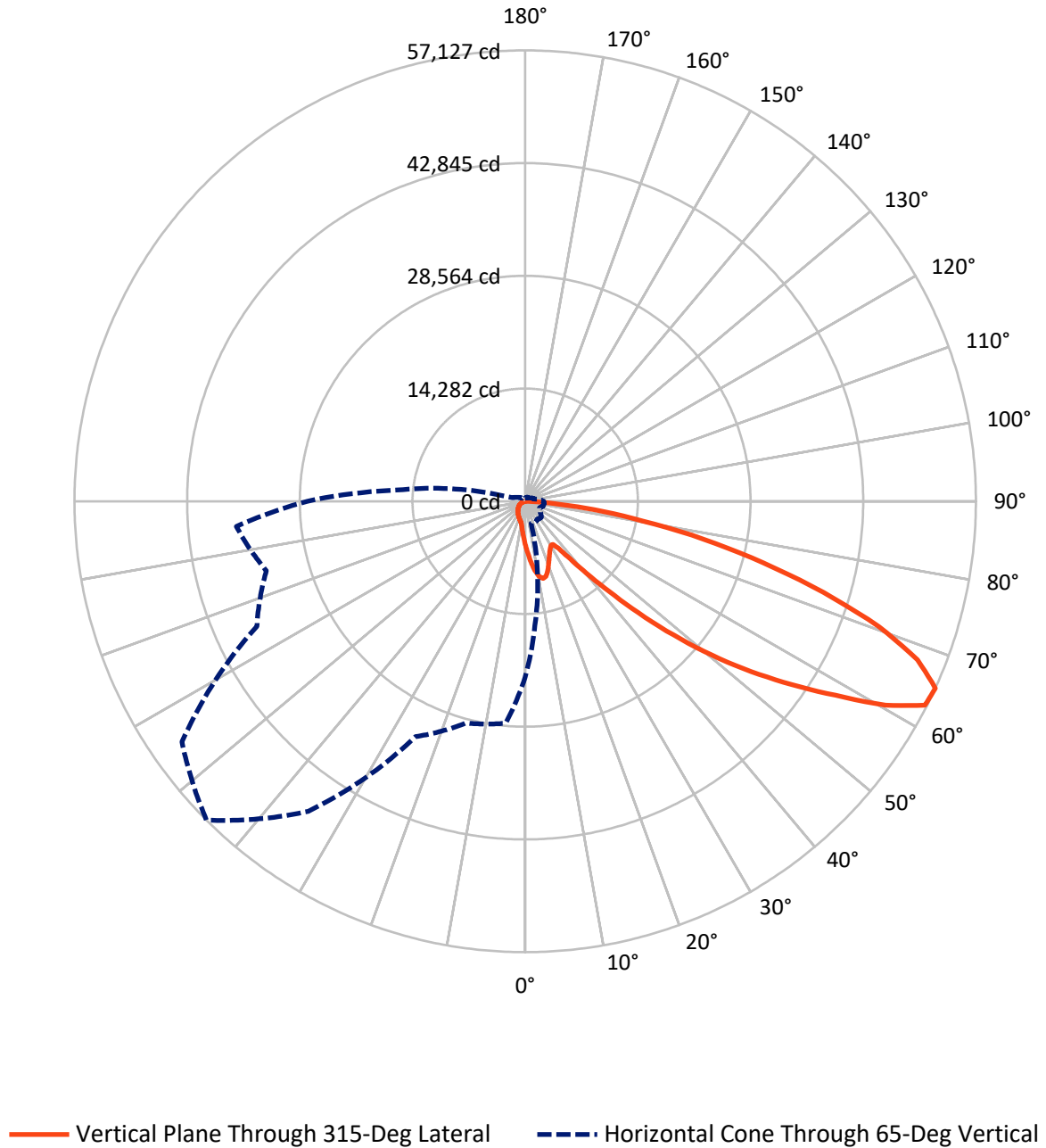
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	5692.4	0.0	5692.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	34955.5	0.0	34955.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	40648.0	0.0	40648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.1	1.4
10°-20°	1661.1	4.1
20°-30°	2447.2	6.0
30°-40°	3144.0	7.7
40°-50°	5084.8	12.5
50°-60°	8916.6	21.9
60°-70°	11157.2	27.4
70°-80°	6519.7	16.0
80°-90°	1163.2	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°	40648.0	100.0
0°-180°	40648.0	100.0

Coefficient of Utilization



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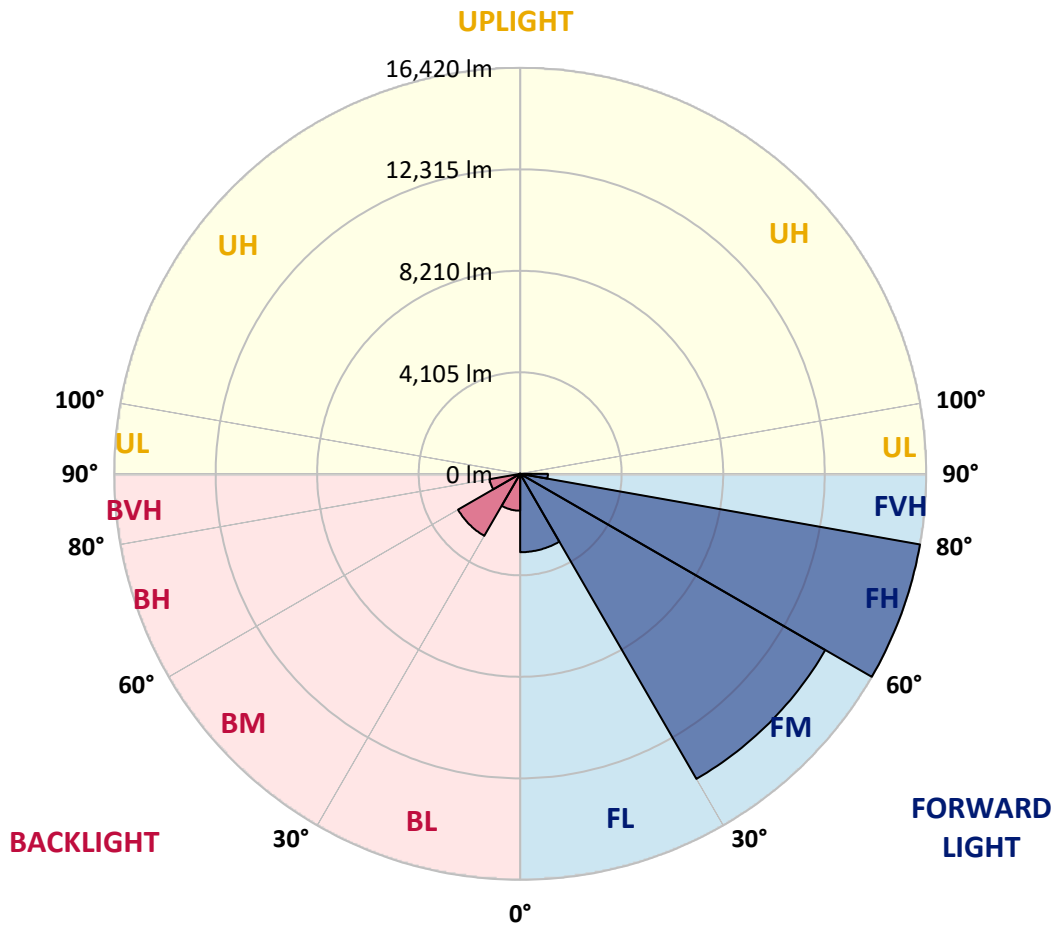
CATALOG NUMBER: GALN-SB7C-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3170.4	7.8			
FM (30°-60°)	14246.7	35.0			
FH (60°-80°)	16419.9	40.4			G5
FVH (80°-90°)	1118.5	2.8			G5
BL (0°-30°)	1492.1	3.7	B3/2500		
BM (30°-60°)	2898.7	7.1	B3/5000		
BH (60°-80°)	1256.9	3.1	B3/2500		G3/2500
BVH (80°-90°)	44.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
2.5°	6359.3	6250.1	6185.7	6026.1	5866.5	5737.7	5564.0	5449.2	5312.0	5180.4
5°	7087.4	6910.9	6698.1	6406.9	6140.9	5869.3	5606.0	5345.6	5071.2	4819.2
7.5°	7703.4	7448.6	7073.4	6686.9	6348.1	6020.5	5712.5	5368.0	5034.8	4640.0
10°	8173.8	7849.0	7356.2	6849.3	6460.1	6129.7	5830.1	5538.8	5202.8	4726.8
12.5°	8459.5	8112.2	7527.0	6933.4	6488.1	6118.5	5886.1	5757.3	5625.6	5152.4
15°	8669.5	8294.3	7647.4	6992.2	6423.7	5970.1	5799.3	5928.1	6079.3	5776.9
17.5°	8887.9	8493.1	7804.2	7017.4	6250.1	5681.7	5608.8	5942.1	6292.1	6278.1
20°	9095.1	8703.1	7941.4	7000.6	5970.1	5331.6	5396.0	5821.7	6227.7	6398.5
22.5°	9333.1	8918.7	8073.0	6936.2	5606.0	5004.0	5205.6	5631.2	5986.9	6188.5
25°	9624.4	9190.3	8257.9	6840.9	5214.0	4732.4	5012.4	5410.0	5698.5	5838.5
27.5°	9938.0	9515.2	8504.3	6790.5	4897.6	4539.2	4794.0	5146.8	5404.4	5502.4
30°	10327.2	9893.2	8795.5	6734.5	4690.4	4427.2	4567.2	4841.6	5093.6	5191.6
32.5°	10752.9	10313.2	9075.5	6600.1	4564.4	4343.1	4345.9	4519.6	4749.2	4866.8
35°	11284.9	10817.3	9375.1	6306.1	4463.6	4245.1	4130.3	4214.3	4404.8	4544.8
37.5°	12043.8	11478.1	9742.0	5886.1	4315.1	4093.9	3903.5	3923.1	4068.7	4222.7
40°	13091.0	12365.8	10173.2	5449.2	4102.3	3881.1	3654.3	3645.9	3752.3	3903.5
42.5°	14508.0	13539.1	10691.2	5032.0	3897.9	3623.5	3391.1	3377.1	3461.1	3592.7
45°	16378.5	15040.0	11326.9	4673.6	3738.3	3371.5	3141.8	3136.2	3206.3	3321.1
47.5°	18772.7	17126.2	11962.6	4430.0	3654.3	3172.7	2937.4	2948.6	3010.2	3113.8
50°	21872.5	19845.2	12155.8	4306.7	3654.3	3066.2	2755.4	2811.4	2861.8	2940.2
52.5°	25588.4	22455.0	11517.3	4194.7	3676.7	3080.2	2601.4	2721.8	2758.2	2825.4
55°	29032.7	23734.7	9901.6	4040.7	3682.3	3167.1	2469.8	2649.0	2716.2	2741.4
57.5°	31032.1	23295.1	8005.8	3780.3	3659.9	3225.9	2385.8	2559.4	2688.2	2705.0
60°	30651.2	21752.1	5894.5	3581.5	3494.7	3203.5	2360.6	2422.2	2626.6	2651.8
62.5°	27716.6	19164.7	4091.1	3427.5	3130.6	3105.4	2352.2	2206.6	2492.2	2553.8
65°	22278.6	15087.6	2889.8	2951.4	2744.2	2892.6	2307.4	1982.6	2329.8	2413.8
67.5°	16162.9	10209.6	2086.2	2391.4	2486.6	2548.2	2206.6	1820.1	2145.0	2257.0
70°	10372.0	5513.6	1464.5	1579.3	2094.6	2164.6	2033.0	1674.5	1957.4	2086.2
72.5°	7373.0	3256.7	1052.9	1106.1	1682.9	1803.3	1789.3	1512.1	1738.9	1895.8
75°	5088.0	1794.9	711.3	789.7	1220.9	1464.5	1380.5	1299.3	1472.9	1632.5
77.5°	3189.5	803.7	425.6	548.8	800.9	1150.9	946.5	1005.3	1148.1	1296.5
80°	1775.3	310.8	238.0	364.0	436.8	837.3	523.6	646.9	845.7	952.1
82.5°	386.4	39.2	106.4	156.8	170.8	487.2	277.2	375.2	532.0	523.6
85°	0.0	0.0	19.6	22.4	11.2	210.0	100.8	123.2	173.6	162.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
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°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
5062.8	2.5°	5040.4	4903.2	4802.4	4752.0	4710.0	4749.2	4771.6	4771.6	4866.8	4922.8
4665.2	5°	4567.2	4320.7	4133.1	4007.1	3931.5	3956.7	3984.7	4015.5	4135.9	4217.1
4430.0	7.5°	4239.5	3861.5	3575.9	3399.5	3307.1	3321.1	3340.7	3365.9	3483.5	3564.7
4463.6	10°	4177.9	3634.7	3231.5	2999.0	2887.0	2867.4	2856.2	2847.8	2917.8	2979.4
4844.4	12.5°	4430.0	3645.9	3083.0	2800.2	2663.0	2604.2	2537.0	2483.8	2495.0	2534.2
5421.2	15°	4880.8	3788.7	3035.4	2696.6	2525.8	2427.8	2349.4	2285.0	2271.0	2285.0
5925.3	17.5°	5396.0	3981.9	3029.8	2607.0	2394.2	2293.4	2229.0	2170.2	2150.6	2153.4
6208.1	20°	5737.7	4135.9	3013.0	2506.2	2268.2	2178.6	2122.6	2063.8	2044.2	2049.8
6129.7	22.5°	5771.3	4217.1	2987.8	2394.2	2142.2	2066.6	2010.6	1957.4	1954.6	1954.6
5835.7	25°	5589.2	4217.1	2934.6	2293.4	2021.8	1954.6	1904.2	1839.7	1850.9	1856.5
5502.4	27.5°	5306.4	4116.3	2833.8	2212.2	1918.2	1848.1	1797.7	1738.9	1752.9	1761.3
5191.6	30°	5026.4	3987.5	2713.4	2119.8	1820.1	1738.9	1702.5	1652.1	1657.7	1668.9
4883.6	32.5°	4766.0	3850.3	2570.6	2044.2	1722.1	1640.9	1612.9	1556.9	1565.3	1576.5
4581.2	35°	4508.4	3699.1	2402.6	1954.6	1632.5	1551.3	1528.9	1464.5	1470.1	1486.9
4278.7	37.5°	4231.1	3539.5	2265.4	1864.9	1545.7	1461.7	1439.3	1372.1	1377.7	1397.3
3965.1	40°	3939.9	3382.7	2131.0	1769.7	1453.3	1369.3	1349.7	1276.9	1282.5	1304.9
3657.1	42.5°	3645.9	3211.9	2027.4	1646.5	1358.1	1268.5	1248.9	1181.7	1190.1	1215.3
3388.3	45°	3374.3	3007.4	1960.2	1509.3	1268.5	1167.7	1148.1	1086.5	1103.3	1131.3
3161.5	47.5°	3141.8	2797.4	1932.2	1394.5	1173.3	1064.1	1047.3	996.9	1024.9	1055.7
2968.2	50°	2943.0	2595.8	1895.8	1276.9	1083.7	974.5	957.7	924.1	960.5	991.3
2836.6	52.5°	2800.2	2366.2	1817.3	1170.5	1005.3	898.9	893.3	876.5	910.1	938.1
2738.6	55°	2677.0	2128.2	1691.3	1078.1	935.3	834.5	840.1	831.7	859.7	882.1
2679.8	57.5°	2565.0	1921.0	1531.7	1005.3	859.7	778.5	795.3	784.1	798.1	812.1
2618.2	60°	2430.6	1710.9	1341.3	924.1	770.1	722.5	742.1	711.3	708.5	714.1
2506.2	62.5°	2231.8	1428.1	1142.5	823.3	691.7	660.9	669.3	610.4	565.6	565.6
2341.0	65°	1954.6	1148.1	957.7	711.3	602.0	576.8	571.2	487.2	425.6	420.0
2161.8	67.5°	1632.5	943.7	795.3	599.2	501.2	484.4	490.0	428.4	366.8	361.2
1982.6	70°	1330.1	781.3	641.3	478.8	386.4	403.2	428.4	366.8	308.0	299.6
1772.5	72.5°	1080.9	621.6	501.2	366.8	285.6	333.2	364.0	299.6	243.6	238.0
1512.1	75°	834.5	456.4	358.4	249.2	207.2	257.6	285.6	218.4	173.6	165.2
1170.5	77.5°	557.2	282.8	201.6	156.8	123.2	176.4	190.4	114.8	100.8	98.0
851.3	80°	338.8	131.6	86.8	75.6	42.0	64.4	75.6	47.6	53.2	56.0
453.6	82.5°	170.8	36.4	14.0	2.8	0.0	0.0	22.4	11.2	22.4	28.0
123.2	85°	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	14.0
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°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
4945.2	2.5°	5102.0	5219.6	5331.6	5510.8	5695.7	5877.7	6062.5	6241.7	6306.1	6353.7
4270.3	5°	4514.0	4735.2	4992.8	5348.4	5729.3	6121.3	6518.9	6882.9	7048.2	7160.2
3634.7	7.5°	3906.3	4194.7	4564.4	5099.2	5695.7	6320.1	6944.6	7518.6	7784.6	8000.2
3035.4	10°	3304.3	3617.9	4085.5	4696.0	5502.4	6398.5	7261.0	8050.6	8395.1	8666.7
2604.2	12.5°	2775.0	3069.0	3559.1	4233.9	5200.0	6336.9	7443.0	8392.3	8798.3	9103.5
2296.2	15°	2402.6	2609.8	3043.8	3771.9	4841.6	6138.1	7454.2	8554.7	8999.9	9319.1
2167.4	17.5°	2195.4	2265.4	2548.2	3301.5	4444.0	5877.7	7350.6	8610.7	9086.7	9383.5
2052.6	20°	2083.4	2094.6	2173.0	2691.0	3934.3	5634.0	7252.6	8666.7	9167.9	9417.1
1971.4	22.5°	1993.8	1993.8	2013.4	2201.0	3276.3	5342.8	7221.8	8764.7	9279.9	9433.9
1878.9	25°	1912.6	1912.6	1918.2	1968.6	2595.8	4897.6	7202.2	8915.9	9433.9	9476.0
1786.5	27.5°	1828.5	1831.3	1831.3	1859.3	2091.8	4292.7	7118.2	9111.9	9618.8	9532.0
1696.9	30°	1744.5	1750.1	1750.1	1769.7	1850.9	3584.3	6953.0	9347.1	9859.6	9604.8
1607.3	32.5°	1660.5	1666.1	1666.1	1682.9	1741.7	2861.8	6745.7	9562.8	10103.2	9635.6
1520.5	35°	1573.7	1582.1	1576.5	1598.9	1660.5	2276.6	6482.5	9778.4	10366.4	9733.6
1436.5	37.5°	1486.9	1492.5	1489.7	1512.1	1582.1	1965.8	6177.3	9940.8	10724.9	9952.0
1346.9	40°	1400.1	1397.3	1397.3	1422.5	1498.1	1876.1	5793.7	10198.4	11240.1	10335.6
1257.3	42.5°	1310.5	1310.5	1304.9	1332.9	1425.3	1808.9	5426.8	10660.4	11990.6	10946.1
1173.3	45°	1229.3	1226.5	1215.3	1240.5	1355.3	1691.3	5298.0	11522.9	13099.4	11934.5
1089.3	47.5°	1150.9	1148.1	1120.1	1142.5	1271.3	1584.9	5779.7	12934.2	14636.8	13387.9
1022.1	50°	1080.9	1083.7	1030.5	1050.1	1187.3	1503.7	6824.1	14765.6	16678.1	15345.2
966.1	52.5°	1016.5	1016.5	946.5	957.7	1083.7	1430.9	7818.2	16750.9	19371.9	18075.4
907.3	55°	952.1	946.5	868.1	873.7	980.1	1327.3	7966.6	18688.7	23045.8	22183.4
842.9	57.5°	879.3	868.1	795.3	795.3	884.9	1251.7	6905.3	20178.4	27604.6	28220.6
722.5	60°	789.7	781.3	733.7	719.7	809.3	1318.9	4872.4	20352.0	30544.8	36248.9
574.0	62.5°	674.9	686.1	660.9	641.3	736.5	1369.3	2887.0	18954.7	29833.6	38802.7
445.2	65°	532.0	576.8	571.2	557.2	809.3	1153.7	1705.3	16272.1	27652.2	36741.7
389.2	67.5°	453.6	484.4	476.0	476.0	848.5	876.5	1072.5	12713.0	24650.4	34297.1
324.8	70°	386.4	417.2	386.4	386.4	641.3	532.0	742.1	8876.7	21410.5	31592.1
260.4	72.5°	319.2	350.0	316.4	294.0	512.4	397.6	543.2	5547.2	18335.9	28775.1
184.8	75°	243.6	280.0	254.8	226.8	338.8	296.8	411.6	3223.1	15191.2	24619.6
112.0	77.5°	154.0	201.6	190.4	159.6	249.2	215.6	296.8	1918.2	11721.7	19237.5
67.2	80°	95.2	103.6	106.4	100.8	142.8	145.6	201.6	1092.1	8022.6	13407.5
42.0	82.5°	61.6	61.6	47.6	53.2	70.0	84.0	114.8	411.6	4715.6	8162.6
25.2	85°	44.8	39.2	25.2	25.2	33.6	42.0	44.8	126.0	1912.6	3223.1
11.2	87.5°	22.4	19.6	8.4	11.2	16.8	14.0	11.2	5.6	481.6	1030.5
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°
5628.4	0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
6460.1	2.5°	6516.1	6602.9	6608.5	6608.5	6532.9	6530.1	6376.1	6359.3
7412.2	5°	7672.6	7728.6	7742.6	7714.6	7563.4	7451.4	7151.8	7087.4
8383.9	7.5°	8731.1	8843.1	8843.1	8775.9	8529.5	8299.9	7865.8	7703.4
9187.5	10°	9576.8	9705.6	9677.6	9540.4	9229.5	8913.1	8386.7	8173.8
9674.8	12.5°	9988.4	10120.0	10047.2	9890.4	9588.0	9254.7	8700.3	8459.5
9814.8	15°	9980.0	9943.6	9868.0	9848.4	9702.8	9450.8	8932.7	8669.5
9728.0	17.5°	9624.4	9316.3	9257.5	9453.6	9638.4	9576.8	9134.3	8887.9
9520.8	20°	9061.5	8523.9	8470.7	8845.9	9372.3	9641.2	9321.9	9095.1
9221.1	22.5°	8467.9	7888.2	7765.0	8179.5	8971.9	9660.8	9560.0	9333.1
8890.7	25°	7905.0	7322.6	7199.4	7585.8	8526.7	9627.2	9817.6	9624.4
8574.3	27.5°	7434.6	6871.7	6756.9	7143.4	8098.2	9532.0	10075.2	9938.0
8260.7	30°	7070.6	6549.7	6465.7	6838.1	7728.6	9414.3	10402.8	10327.2
7969.4	32.5°	6857.7	6476.9	6507.7	6812.9	7529.8	9285.5	10716.5	10752.9
7826.6	35°	7067.8	7084.6	7353.4	7479.4	7714.6	9265.9	11142.1	11284.9
7997.4	37.5°	8112.2	8694.7	9251.9	9148.3	8619.1	9492.8	11777.7	12043.8
8742.3	40°	9890.4	11086.1	11990.6	11595.7	10262.8	10187.2	12693.4	13091.0
10064.0	42.5°	12063.4	14090.7	15580.4	14522.0	12382.6	11402.5	14001.1	14508.0
11662.9	45°	14356.7	17795.4	20142.0	17941.0	14642.4	13105.0	15980.9	16378.5
13161.0	47.5°	16773.3	22298.2	25333.6	21732.5	16736.9	15042.8	18680.3	18772.7
14580.8	50°	19416.7	27235.0	30626.0	25521.2	18758.7	17263.4	21978.9	21872.5
16235.7	52.5°	21934.1	32311.8	35806.4	29326.7	20534.0	20018.8	25806.9	25588.4
18498.3	55°	24336.7	37385.8	41017.7	32983.8	22208.6	23659.1	30354.4	29032.7
21760.5	57.5°	27123.0	41947.3	46388.5	36657.7	24549.6	28385.9	35439.6	31032.1
28007.8	60°	31242.1	47130.5	52462.2	41692.5	29001.9	33353.5	37262.6	30651.2
35490.0	62.5°	36500.9	51896.5	56878.1	46626.5	33473.9	34288.7	34577.1	27716.6
33963.9	65°	37523.0	53103.4	57127.3	47945.4	32897.0	29085.9	28229.0	22278.6
30337.6	67.5°	34812.4	50922.0	53643.9	45489.6	29099.9	22477.4	21183.7	16162.9
27957.4	70°	31771.3	46763.7	47573.0	41314.5	25594.0	16532.5	14306.3	10372.0
26327.7	72.5°	28654.7	41216.5	39541.9	35879.3	22494.2	12038.2	10318.8	7373.0
24006.3	75°	24952.8	33921.9	31146.9	29811.2	18624.3	9448.0	7465.4	5088.0
20648.8	77.5°	19982.4	23877.5	23135.4	23107.4	13995.5	6902.5	4981.6	3189.5
16132.1	80°	14096.3	15496.4	15118.4	17403.4	9389.1	5006.8	2999.0	1775.3
11228.9	82.5°	6824.1	8568.7	8795.5	10363.6	4567.2	2945.8	691.7	386.4
4390.7	85°	2671.4	4133.1	3486.3	3934.3	1282.5	820.5	16.8	0.0
722.5	87.5°	299.6	478.8	439.6	347.2	156.8	33.6	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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