

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: P954207

Luminaire Tested: **GALN-SB7C-740-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954207
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-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 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: 43004 lumens
Efficiency: N/A
Efficacy: 122.7 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

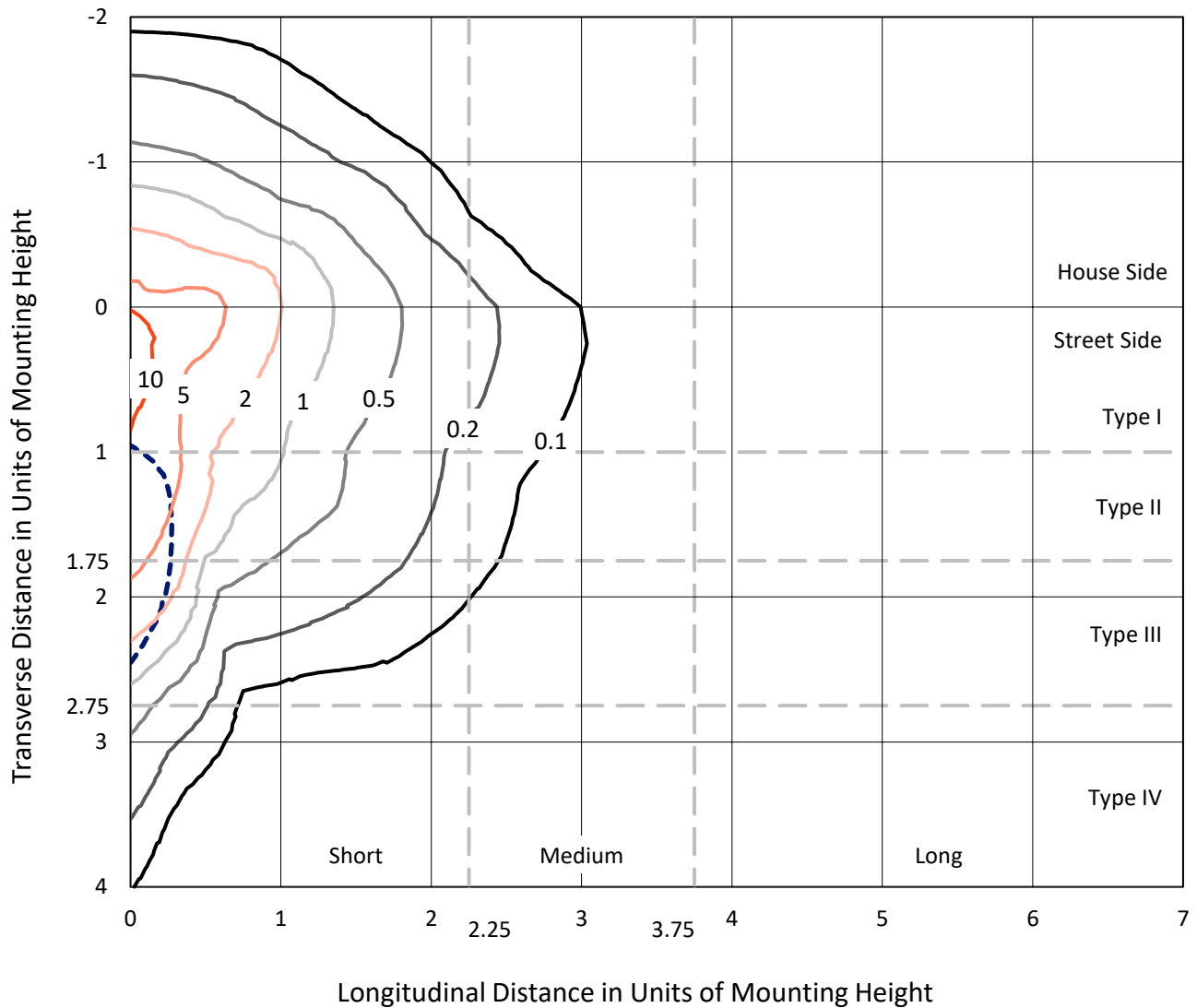
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

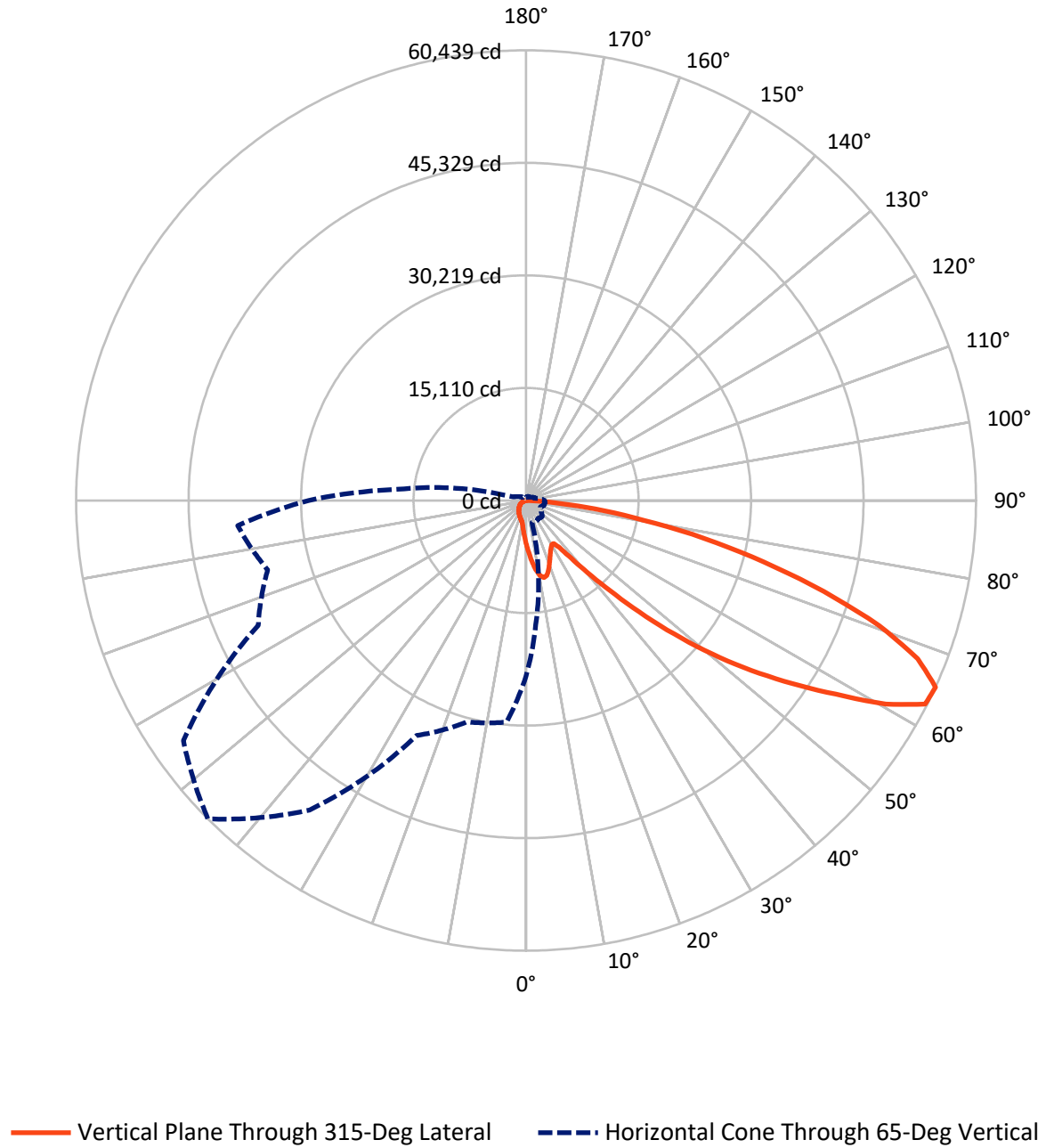
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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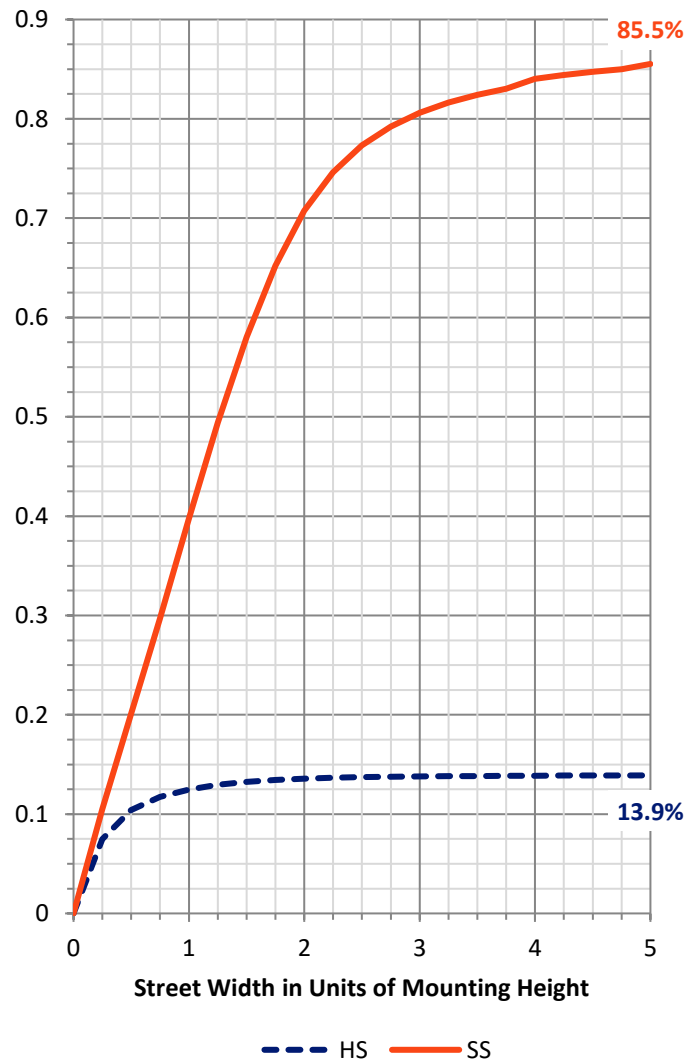
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6022.4	0.0	6022.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	36981.6	0.0	36981.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	43004.0	0.0	43004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.3	1.4
10°-20°	1757.4	4.1
20°-30°	2589.1	6.0
30°-40°	3326.2	7.7
40°-50°	5379.5	12.5
50°-60°	9433.5	21.9
60°-70°	11803.8	27.4
70°-80°	6897.6	16.0
80°-90°	1230.6	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°	43004.0	100.0
0°-180°	43004.0	100.0

Coefficient of Utilization



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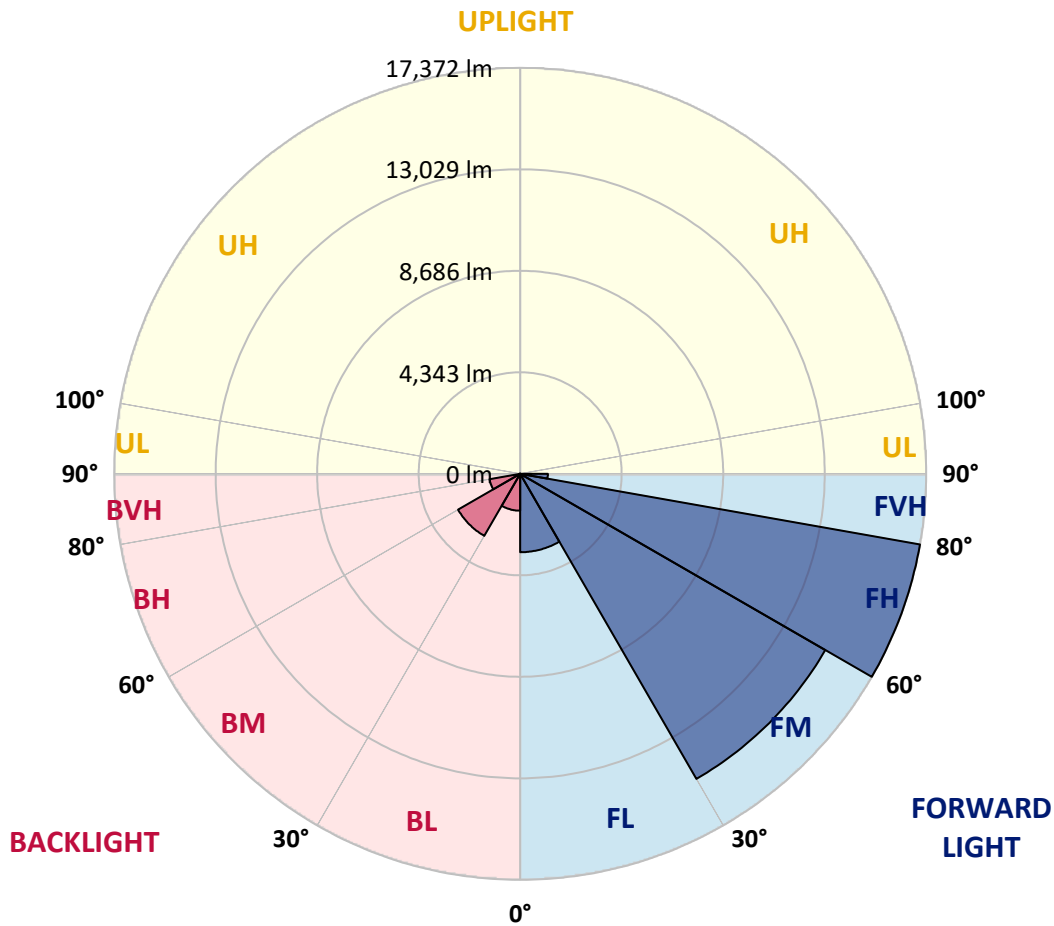
CATALOG NUMBER: GALN-SB7C-740-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3354.2	7.8			
FM (30°-60°)	15072.4	35.0			
FH (60°-80°)	17371.7	40.4			G5
FVH (80°-90°)	1183.4	2.8			G5
BL (0°-30°)	1578.6	3.7	B3/2500		
BM (30°-60°)	3066.8	7.1	B3/5000		
BH (60°-80°)	1329.8	3.1	B3/2500		G3/2500
BVH (80°-90°)	47.3	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°	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7
2.5°	6727.9	6612.4	6544.2	6375.4	6206.5	6070.2	5886.5	5765.1	5619.9	5480.7
5°	7498.2	7311.5	7086.4	6778.3	6496.8	6209.5	5931.0	5655.5	5365.1	5098.5
7.5°	8149.9	7880.3	7483.3	7074.5	6716.0	6369.4	6043.6	5679.2	5326.6	4908.9
10°	8647.6	8304.0	7782.6	7246.3	6834.5	6485.0	6168.0	5859.9	5504.4	5000.7
12.5°	8949.8	8582.4	7963.3	7335.2	6864.2	6473.1	6227.2	6091.0	5951.7	5451.0
15°	9172.0	8775.0	8090.7	7397.4	6796.0	6316.1	6135.4	6271.7	6431.6	6111.7
17.5°	9403.1	8985.3	8256.6	7424.1	6612.4	6011.0	5933.9	6286.5	6656.8	6642.0
20°	9622.3	9207.5	8401.7	7406.3	6316.1	5640.7	5708.8	6159.1	6588.7	6769.4
22.5°	9874.1	9435.6	8541.0	7338.2	5931.0	5294.0	5507.3	5957.6	6333.9	6547.2
25°	10182.2	9723.0	8736.5	7237.5	5516.2	5006.7	5302.9	5723.6	6028.7	6176.9
27.5°	10514.0	10066.7	8997.2	7184.1	5181.5	4802.3	5071.8	5445.1	5717.7	5821.4
30°	10925.8	10466.6	9305.3	7124.9	4962.2	4683.8	4831.9	5122.2	5388.8	5492.5
32.5°	11376.1	10911.0	9601.5	6982.7	4828.9	4594.9	4597.8	4781.5	5024.4	5148.9
35°	11939.0	11444.2	9918.5	6671.6	4722.3	4491.2	4369.7	4458.6	4660.1	4808.2
37.5°	12741.8	12143.4	10306.6	6227.2	4565.3	4331.2	4129.8	4150.5	4304.6	4467.5
40°	13849.8	13082.5	10762.9	5765.1	4340.1	4106.1	3866.1	3857.2	3969.8	4129.8
42.5°	15348.8	14323.8	11310.9	5323.7	4123.8	3833.5	3587.6	3572.8	3661.7	3800.9
45°	17327.8	15911.7	11983.4	4944.5	3955.0	3566.9	3324.0	3318.0	3392.1	3513.6
47.5°	19860.8	18118.8	12655.9	4686.7	3866.1	3356.5	3107.7	3119.5	3184.7	3294.3
50°	23140.3	20995.4	12860.3	4556.4	3866.1	3244.0	2915.1	2974.4	3027.7	3110.7
52.5°	27071.6	23756.5	12184.9	4437.9	3889.8	3258.8	2752.2	2879.6	2918.1	2989.2
55°	30715.5	25110.4	10475.5	4274.9	3895.7	3350.6	2612.9	2802.5	2873.7	2900.3
57.5°	32830.7	24645.3	8469.9	3999.4	3872.0	3412.8	2524.1	2707.7	2844.0	2861.8
60°	32427.8	23012.9	6236.1	3789.1	3697.2	3389.1	2497.4	2562.6	2778.8	2805.5
62.5°	29323.1	20275.5	4328.3	3626.1	3312.1	3285.4	2488.5	2334.5	2636.6	2701.8
65°	23569.9	15962.1	3057.3	3122.5	2903.3	3060.3	2441.1	2097.5	2464.8	2553.7
67.5°	17099.7	10801.4	2207.1	2530.0	2630.7	2695.9	2334.5	1925.6	2269.3	2387.8
70°	10973.2	5833.2	1549.4	1670.9	2216.0	2290.0	2150.8	1771.6	2070.8	2207.1
72.5°	7800.3	3445.4	1113.9	1170.2	1780.5	1907.9	1893.1	1599.8	1839.7	2005.6
75°	5382.9	1899.0	752.5	835.4	1291.7	1549.4	1460.5	1374.6	1558.3	1727.2
77.5°	3374.3	850.2	450.3	580.7	847.3	1217.6	1001.3	1063.5	1214.6	1371.6
80°	1878.2	328.8	251.8	385.1	462.2	885.8	554.0	684.3	894.7	1007.3
82.5°	408.8	41.5	112.6	165.9	180.7	515.5	293.3	397.0	562.9	554.0
85°	0.0	0.0	20.7	23.7	11.9	222.2	106.7	130.4	183.7	171.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
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°
5954.7	0°	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7
5356.2	2.5°	5332.5	5187.4	5080.7	5027.4	4983.0	5024.4	5048.1	5048.1	5148.9	5208.1
4935.6	5°	4831.9	4571.2	4372.7	4239.4	4159.4	4186.0	4215.7	4248.3	4375.7	4461.6
4686.7	7.5°	4485.3	4085.3	3783.1	3596.5	3498.7	3513.6	3534.3	3561.0	3685.4	3771.3
4722.3	10°	4420.1	3845.4	3418.8	3172.9	3054.4	3033.6	3021.8	3012.9	3087.0	3152.1
5125.2	12.5°	4686.7	3857.2	3261.7	2962.5	2817.4	2755.1	2684.0	2627.8	2639.6	2681.1
5735.5	15°	5163.7	4008.3	3211.4	2852.9	2672.2	2568.5	2485.6	2417.4	2402.6	2417.4
6268.7	17.5°	5708.8	4212.7	3205.5	2758.1	2533.0	2426.3	2358.2	2296.0	2275.2	2278.2
6567.9	20°	6070.2	4375.7	3187.7	2651.5	2399.6	2304.8	2245.6	2183.4	2162.6	2168.6
6485.0	22.5°	6105.8	4461.6	3161.0	2533.0	2266.3	2186.3	2127.1	2070.8	2067.8	2067.8
6173.9	25°	5913.2	4461.6	3104.7	2426.3	2138.9	2067.8	2014.5	1946.4	1958.2	1964.2
5821.4	27.5°	5614.0	4354.9	2998.1	2340.4	2029.3	1955.3	1901.9	1839.7	1854.5	1863.4
5492.5	30°	5317.7	4218.6	2870.7	2242.6	1925.6	1839.7	1801.2	1747.9	1753.8	1765.7
5166.6	32.5°	5042.2	4073.5	2719.6	2162.6	1822.0	1736.0	1706.4	1647.2	1656.1	1667.9
4846.7	35°	4769.7	3913.5	2541.8	2067.8	1727.2	1641.2	1617.5	1549.4	1555.3	1573.1
4526.7	37.5°	4476.4	3744.6	2396.7	1973.0	1635.3	1546.4	1522.7	1451.6	1457.6	1478.3
4194.9	40°	4168.3	3578.7	2254.5	1872.3	1537.6	1448.7	1427.9	1350.9	1356.8	1380.5
3869.1	42.5°	3857.2	3398.0	2144.9	1742.0	1436.8	1342.0	1321.3	1250.2	1259.1	1285.7
3584.7	45°	3569.8	3181.8	2073.8	1596.8	1342.0	1235.4	1214.6	1149.5	1167.2	1196.9
3344.7	47.5°	3324.0	2959.6	2044.1	1475.3	1241.3	1125.8	1108.0	1054.7	1084.3	1116.9
3140.3	50°	3113.6	2746.3	2005.6	1350.9	1146.5	1031.0	1013.2	977.6	1016.1	1048.7
3001.0	52.5°	2962.5	2503.3	1922.7	1238.3	1063.5	951.0	945.0	927.3	962.8	992.4
2897.4	55°	2832.2	2251.5	1789.4	1140.6	989.5	882.8	888.8	879.9	909.5	933.2
2835.1	57.5°	2713.7	2032.3	1620.5	1063.5	909.5	823.6	841.4	829.5	844.3	859.1
2770.0	60°	2571.5	1810.1	1419.1	977.6	814.7	764.3	785.1	752.5	749.5	755.4
2651.5	62.5°	2361.1	1510.9	1208.7	871.0	731.7	699.2	708.0	645.8	598.4	598.4
2476.7	65°	2067.8	1214.6	1013.2	752.5	636.9	610.3	604.4	515.5	450.3	444.4
2287.1	67.5°	1727.2	998.4	841.4	634.0	530.3	512.5	518.4	453.3	388.1	382.2
2097.5	70°	1407.2	826.5	678.4	506.6	408.8	426.6	453.3	388.1	325.9	317.0
1875.3	72.5°	1143.5	657.7	530.3	388.1	302.2	352.5	385.1	317.0	257.7	251.8
1599.8	75°	882.8	482.9	379.2	263.7	219.2	272.6	302.2	231.1	183.7	174.8
1238.3	77.5°	589.5	299.2	213.3	165.9	130.4	186.6	201.5	121.5	106.7	103.7
900.6	80°	358.5	139.2	91.8	80.0	44.4	68.1	80.0	50.4	56.3	59.3
479.9	82.5°	180.7	38.5	14.8	3.0	0.0	0.0	23.7	11.9	23.7	29.6
130.4	85°	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	14.8
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°
5954.7	0°	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7
5231.8	2.5°	5397.7	5522.1	5640.7	5830.3	6025.8	6218.3	6413.9	6603.5	6671.6	6722.0
4517.9	5°	4775.6	5009.6	5282.2	5658.4	6061.3	6476.1	6896.8	7281.9	7456.7	7575.2
3845.4	7.5°	4132.7	4437.9	4828.9	5394.8	6025.8	6686.4	7347.1	7954.4	8235.8	8463.9
3211.4	10°	3495.8	3827.6	4322.3	4968.2	5821.4	6769.4	7681.8	8517.3	8881.7	9169.0
2755.1	12.5°	2935.9	3246.9	3765.4	4479.3	5501.4	6704.2	7874.4	8878.7	9308.3	9631.2
2429.3	15°	2541.8	2761.1	3220.3	3990.5	5122.2	6493.9	7886.2	9050.5	9521.6	9859.3
2293.0	17.5°	2322.6	2396.7	2695.9	3492.8	4701.5	6218.3	7776.6	9109.8	9613.4	9927.4
2171.5	20°	2204.1	2216.0	2298.9	2847.0	4162.3	5960.6	7672.9	9169.0	9699.3	9963.0
2085.6	22.5°	2109.3	2109.3	2130.1	2328.5	3466.2	5652.5	7640.4	9272.7	9817.8	9980.8
1987.9	25°	2023.4	2023.4	2029.3	2082.7	2746.3	5181.5	7619.6	9432.7	9980.8	10025.2
1890.1	27.5°	1934.5	1937.5	1937.5	1967.1	2213.0	4541.6	7530.7	9640.1	10176.3	10084.4
1795.3	30°	1845.7	1851.6	1851.6	1872.3	1958.2	3792.0	7356.0	9888.9	10431.1	10161.5
1700.5	32.5°	1756.8	1762.7	1762.7	1780.5	1842.7	3027.7	7136.7	10117.0	10688.8	10194.1
1608.7	35°	1664.9	1673.8	1667.9	1691.6	1756.8	2408.5	6858.2	10345.1	10967.3	10297.7
1519.8	37.5°	1573.1	1579.0	1576.1	1599.8	1673.8	2079.7	6535.3	10517.0	11346.5	10528.8
1425.0	40°	1481.3	1478.3	1478.3	1505.0	1585.0	1984.9	6129.5	10789.5	11891.6	10934.7
1330.2	42.5°	1386.5	1386.5	1380.5	1410.2	1507.9	1913.8	5741.4	11278.3	12685.5	11580.5
1241.3	45°	1300.5	1297.6	1285.7	1312.4	1433.9	1789.4	5605.1	12190.8	13858.7	12626.3
1152.4	47.5°	1217.6	1214.6	1185.0	1208.7	1345.0	1676.8	6114.7	13683.9	15485.1	14163.8
1081.3	50°	1143.5	1146.5	1090.2	1110.9	1256.1	1590.9	7219.7	15621.4	17644.8	16234.6
1022.1	52.5°	1075.4	1075.4	1001.3	1013.2	1146.5	1513.9	8271.4	17721.8	20494.8	19123.1
959.9	55°	1007.3	1001.3	918.4	924.3	1036.9	1404.2	8428.4	19771.9	24381.6	23469.1
891.7	57.5°	930.2	918.4	841.4	841.4	936.2	1324.2	7305.6	21348.0	29204.6	29856.3
764.3	60°	835.4	826.5	776.2	761.4	856.2	1395.3	5154.8	21531.6	32315.2	38349.9
607.3	62.5°	714.0	725.8	699.2	678.4	779.1	1448.7	3054.4	20053.3	31562.8	41051.7
471.0	65°	562.9	610.3	604.4	589.5	856.2	1220.6	1804.2	17215.2	29254.9	38871.3
411.8	67.5°	479.9	512.5	503.6	503.6	897.6	927.3	1134.6	13449.9	26079.1	36285.0
343.7	70°	408.8	441.4	408.8	408.8	678.4	562.9	785.1	9391.2	22651.5	33423.2
275.5	72.5°	337.7	370.3	334.8	311.1	542.1	420.7	574.7	5868.8	19398.6	30442.9
195.5	75°	257.7	296.3	269.6	240.0	358.5	314.0	435.5	3409.9	16071.7	26046.5
118.5	77.5°	162.9	213.3	201.5	168.9	263.7	228.1	314.0	2029.3	12401.1	20352.6
71.1	80°	100.7	109.6	112.6	106.7	151.1	154.1	213.3	1155.4	8487.6	14184.6
44.4	82.5°	65.2	65.2	50.4	56.3	74.1	88.9	121.5	435.5	4988.9	8635.8
26.7	85°	47.4	41.5	26.7	26.7	35.6	44.4	47.4	133.3	2023.4	3409.9
11.9	87.5°	23.7	20.7	8.9	11.9	17.8	14.8	11.9	5.9	509.6	1090.2
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°
5954.7	0°	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7	5954.7
6834.5	2.5°	6893.8	6985.6	6991.6	6991.6	6911.6	6908.6	6745.7	6727.9
7841.8	5°	8117.3	8176.6	8191.4	8161.8	8001.8	7883.3	7566.3	7498.2
8869.8	7.5°	9237.2	9355.7	9355.7	9284.6	9023.9	8780.9	8321.7	8149.9
9720.0	10°	10131.8	10268.1	10238.5	10093.3	9764.5	9429.7	8872.8	8647.6
10235.5	12.5°	10567.3	10706.6	10629.5	10463.6	10143.7	9791.1	9204.6	8949.8
10383.7	15°	10558.4	10519.9	10439.9	10419.2	10265.2	9998.5	9450.5	9172.0
10291.8	17.5°	10182.2	9856.3	9794.1	10001.5	10197.0	10131.8	9663.8	9403.1
10072.6	20°	9586.7	9017.9	8961.6	9358.6	9915.6	10200.0	9862.3	9622.3
9755.6	22.5°	8958.7	8345.4	8215.1	8653.5	9491.9	10220.7	10114.1	9874.1
9406.0	25°	8363.2	7747.0	7616.7	8025.5	9020.9	10185.2	10386.6	10182.2
9071.3	27.5°	7865.5	7270.0	7148.6	7557.4	8567.6	10084.4	10659.2	10514.0
8739.5	30°	7480.4	6929.3	6840.5	7234.5	8176.6	9960.0	11005.8	10925.8
8431.4	32.5°	7255.2	6852.3	6884.9	7207.8	7966.2	9823.7	11337.6	11376.1
8280.3	35°	7477.4	7495.2	7779.6	7912.9	8161.8	9803.0	11787.9	11939.0
8461.0	37.5°	8582.4	9198.6	9788.2	9678.6	9118.7	10043.0	12460.4	12741.8
9249.0	40°	10463.6	11728.6	12685.5	12267.8	10857.7	10777.7	13429.1	13849.8
10647.3	42.5°	12762.6	14907.4	16483.5	15363.7	13100.3	12063.4	14812.6	15348.8
12338.9	45°	15188.9	18826.9	21309.5	18980.9	15491.1	13864.6	16907.1	17327.8
13923.9	47.5°	17745.5	23590.6	26802.0	22992.2	17707.0	15914.7	19763.0	19860.8
15425.9	50°	20542.2	28813.5	32401.2	27000.5	19846.0	18264.0	23252.9	23140.3
17176.7	52.5°	23205.5	34184.6	37881.8	31026.5	21724.2	21179.1	27302.6	27071.6
19570.4	55°	25747.3	39552.7	43395.1	34895.6	23495.8	25030.4	32113.8	30715.5
23021.8	57.5°	28695.0	44378.6	49077.2	38782.4	25972.5	30031.1	37493.7	32830.7
29631.2	60°	33052.9	49862.3	55502.9	44109.1	30682.9	35286.7	39422.3	32427.8
37547.1	62.5°	38616.5	54904.5	60174.8	49329.0	35414.0	36276.1	36581.3	29323.1
35932.5	65°	39697.9	56181.3	60438.5	50724.4	34803.8	30771.8	29865.2	23569.9
32096.0	67.5°	36830.1	53873.5	56753.1	48126.2	30786.6	23780.2	22411.5	17099.7
29577.9	70°	33612.8	49474.2	50330.4	43709.1	27077.5	17490.8	15135.5	10973.2
27853.7	72.5°	30315.5	43605.4	41833.8	37958.9	23798.0	12735.9	10916.9	7800.3
25397.7	75°	26399.1	35888.0	32952.2	31539.1	19703.8	9995.6	7898.1	5382.9
21845.7	77.5°	21140.6	25261.5	24476.4	24446.8	14806.7	7302.6	5270.3	3374.3
17067.1	80°	14913.4	16394.6	15994.7	18412.1	9933.4	5297.0	3172.9	1878.2
11879.7	82.5°	7219.7	9065.3	9305.3	10964.3	4831.9	3116.6	731.7	408.8
4645.2	85°	2826.3	4372.7	3688.3	4162.3	1356.8	868.0	17.8	0.0
764.3	87.5°	317.0	506.6	465.1	367.4	165.9	35.6	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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