

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: P955530

Luminaire Tested: **GALN-SB8B-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955530
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-SB8B-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 450mA 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: 24174 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

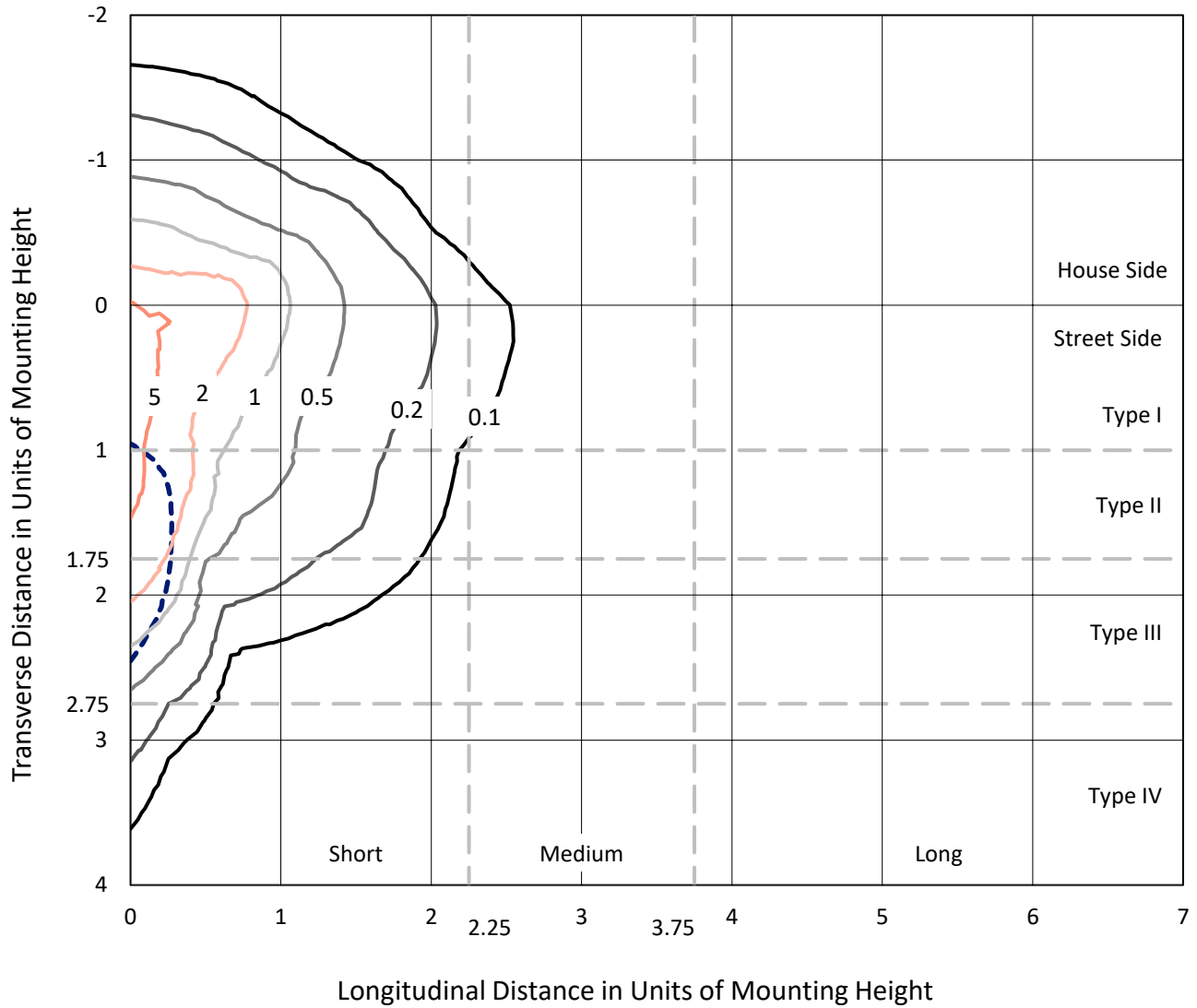
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

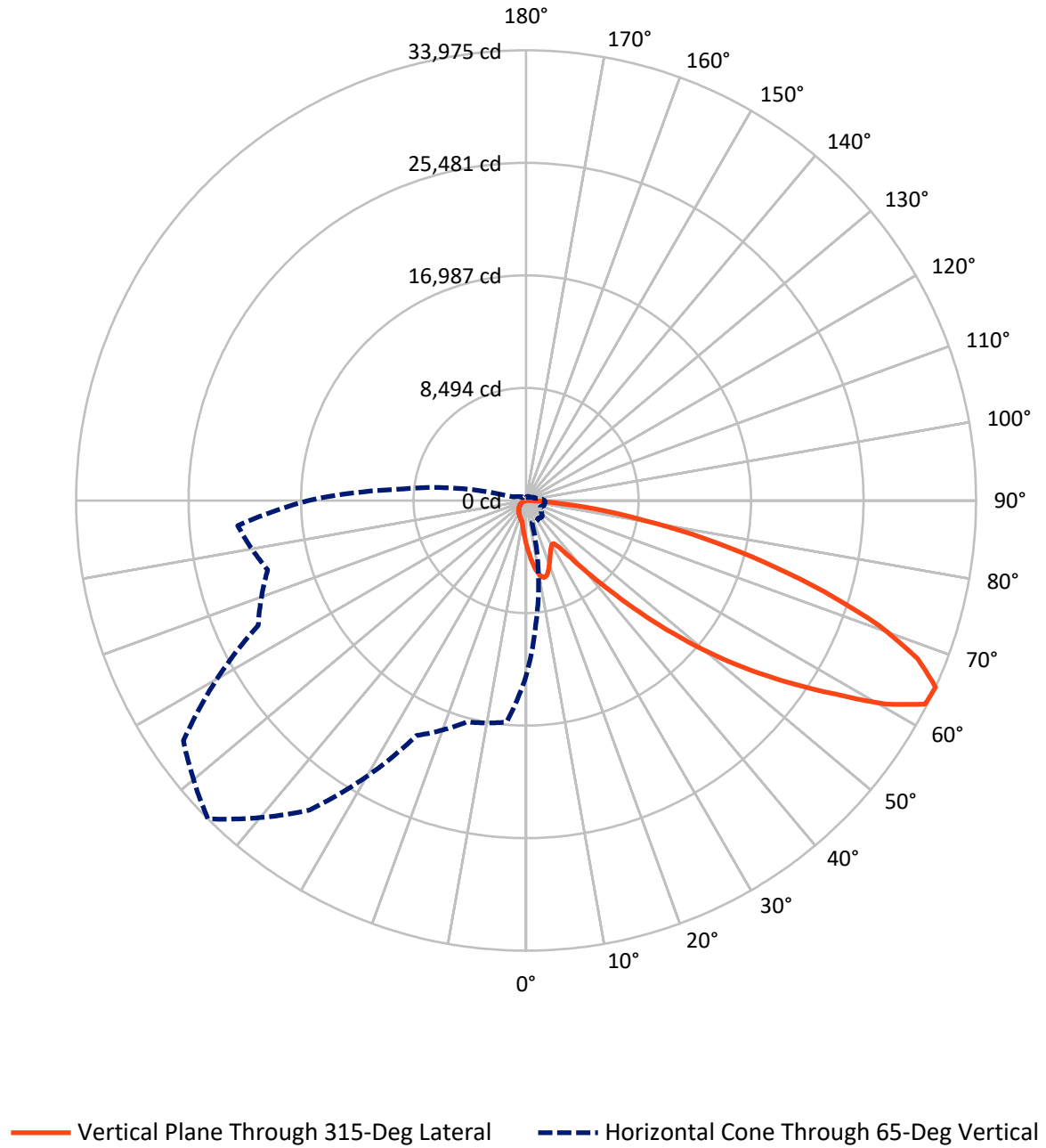
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3385.4	0.0	3385.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	20788.6	0.0	20788.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	24174.0	0.0	24174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.6	1.4
10°-20°	987.9	4.1
20°-30°	1455.4	6.0
30°-40°	1869.8	7.7
40°-50°	3024.0	12.5
50°-60°	5302.9	21.9
60°-70°	6635.3	27.4
70°-80°	3877.4	16.0
80°-90°	691.8	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°	24174.0	100.0
0°-180°	24174.0	100.0

Coefficient of Utilization



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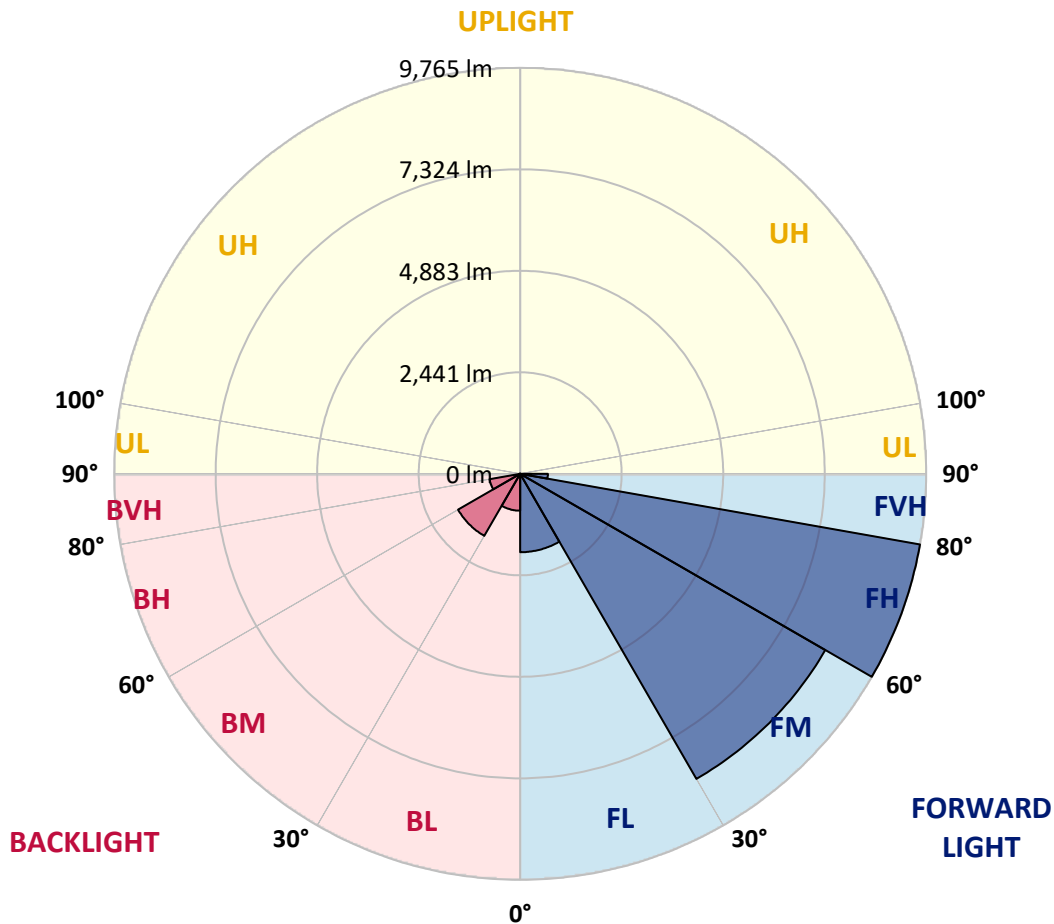
CATALOG NUMBER: GALN-SB8B-950-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1885.5	7.8			
FM (30°-60°)	8472.7	35.0			
FH (60°-80°)	9765.2	40.4			G4/12000
FVH (80°-90°)	665.2	2.8			G4/750
BL (0°-30°)	887.4	3.7	B2/1000		
BM (30°-60°)	1723.9	7.1	B2/2500		
BH (60°-80°)	747.5	3.1	B2/1000		G2/1000
BVH (80°-90°)	26.6	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
2.5°	3782.0	3717.0	3678.7	3583.8	3488.9	3412.3	3309.0	3240.7	3159.1	3080.9
5°	4215.0	4110.0	3983.5	3810.3	3652.1	3490.5	3334.0	3179.1	3015.9	2866.0
7.5°	4581.3	4429.8	4206.6	3976.8	3775.3	3580.5	3397.3	3192.4	2994.3	2759.5
10°	4861.1	4667.9	4374.8	4073.4	3841.9	3645.4	3467.2	3294.0	3094.2	2811.1
12.5°	5031.0	4824.5	4476.4	4123.4	3858.6	3638.8	3500.5	3423.9	3345.7	3064.2
15°	5155.9	4932.7	4548.0	4158.3	3820.3	3550.5	3448.9	3525.5	3615.4	3435.6
17.5°	5285.8	5051.0	4641.3	4173.3	3717.0	3379.0	3335.7	3533.8	3742.0	3733.7
20°	5409.0	5175.9	4722.9	4163.3	3550.5	3170.8	3209.1	3462.2	3703.7	3805.3
22.5°	5550.6	5304.1	4801.2	4125.0	3334.0	2976.0	3095.9	3349.0	3560.5	3680.4
25°	5723.8	5465.6	4911.1	4068.4	3100.9	2814.4	2981.0	3217.4	3389.0	3472.2
27.5°	5910.3	5658.8	5057.6	4038.4	2912.7	2699.5	2851.1	3060.9	3214.1	3272.4
30°	6141.8	5883.6	5230.8	4005.1	2789.4	2632.9	2716.2	2879.4	3029.2	3087.5
32.5°	6394.9	6133.4	5397.4	3925.2	2714.5	2582.9	2584.6	2687.9	2824.4	2894.4
35°	6711.3	6433.2	5575.5	3750.3	2654.5	2524.6	2456.4	2506.3	2619.6	2702.8
37.5°	7162.6	6826.2	5793.7	3500.5	2566.3	2434.7	2321.5	2333.1	2419.7	2511.3
40°	7785.4	7354.1	6050.2	3240.7	2439.7	2308.2	2173.3	2168.3	2231.6	2321.5
42.5°	8628.1	8051.9	6358.3	2992.6	2318.1	2154.9	2016.7	2008.4	2058.4	2136.6
45°	9740.6	8944.5	6736.3	2779.4	2223.2	2005.1	1868.5	1865.2	1906.8	1975.1
47.5°	11164.4	10185.2	7114.3	2634.6	2173.3	1886.8	1746.9	1753.6	1790.2	1851.9
50°	13007.9	11802.2	7229.2	2561.3	2173.3	1823.5	1638.7	1672.0	1702.0	1748.6
52.5°	15217.8	13354.3	6849.5	2494.7	2186.6	1831.9	1547.1	1618.7	1640.4	1680.3
55°	17266.2	14115.4	5888.6	2403.1	2189.9	1883.5	1468.8	1575.4	1615.4	1630.4
57.5°	18455.3	13853.9	4761.2	2248.2	2176.6	1918.5	1418.9	1522.1	1598.7	1608.7
60°	18228.8	12936.3	3505.5	2130.0	2078.3	1905.1	1403.9	1440.5	1562.1	1577.1
62.5°	16483.5	11397.6	2433.1	2038.4	1861.8	1846.9	1398.9	1312.3	1482.1	1518.8
65°	13249.4	8972.8	1718.6	1755.3	1632.0	1720.3	1372.2	1179.1	1385.6	1435.5
67.5°	9612.3	6071.8	1240.7	1422.2	1478.8	1515.5	1312.3	1082.5	1275.6	1342.3
70°	6168.4	3279.0	871.0	939.2	1245.7	1287.3	1209.0	995.9	1164.1	1240.7
72.5°	4384.8	1936.8	626.2	657.8	1000.9	1072.5	1064.1	899.3	1034.2	1127.4
75°	3025.9	1067.5	423.0	469.6	726.1	871.0	821.0	772.7	876.0	970.9
77.5°	1896.8	478.0	253.1	326.4	476.3	684.5	562.9	597.9	682.8	771.1
80°	1055.8	184.9	141.6	216.5	259.8	497.9	311.4	384.7	502.9	566.2
82.5°	229.8	23.3	63.3	93.3	101.6	289.8	164.9	223.2	316.4	311.4
85°	0.0	0.0	11.7	13.3	6.7	124.9	60.0	73.3	103.3	96.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
3010.9	2.5°	2997.6	2916.0	2856.1	2826.1	2801.1	2824.4	2837.7	2837.7	2894.4	2927.7
2774.4	5°	2716.2	2569.6	2458.0	2383.1	2338.1	2353.1	2369.8	2388.1	2459.7	2508.0
2634.6	7.5°	2521.3	2296.5	2126.6	2021.7	1966.8	1975.1	1986.7	2001.7	2071.7	2120.0
2654.5	10°	2484.7	2161.6	1921.8	1783.6	1717.0	1705.3	1698.6	1693.6	1735.3	1771.9
2881.0	12.5°	2634.6	2168.3	1833.5	1665.3	1583.7	1548.8	1508.8	1477.2	1483.8	1507.1
3224.1	15°	2902.7	2253.2	1805.2	1603.7	1502.1	1443.8	1397.2	1358.9	1350.6	1358.9
3523.9	17.5°	3209.1	2368.1	1801.9	1550.4	1423.9	1363.9	1325.6	1290.6	1279.0	1280.6
3692.1	20°	3412.3	2459.7	1791.9	1490.5	1348.9	1295.6	1262.3	1227.4	1215.7	1219.0
3645.4	22.5°	3432.3	2508.0	1776.9	1423.9	1274.0	1229.0	1195.7	1164.1	1162.4	1162.4
3470.6	25°	3324.0	2508.0	1745.3	1363.9	1202.4	1162.4	1132.4	1094.1	1100.8	1104.1
3272.4	27.5°	3155.8	2448.0	1685.3	1315.6	1140.8	1099.1	1069.1	1034.2	1042.5	1047.5
3087.5	30°	2989.3	2371.4	1613.7	1260.7	1082.5	1034.2	1012.5	982.5	985.9	992.5
2904.3	32.5°	2834.4	2289.8	1528.8	1215.7	1024.2	975.9	959.2	925.9	930.9	937.6
2724.5	35°	2681.2	2199.9	1428.9	1162.4	970.9	922.6	909.3	871.0	874.3	884.3
2544.6	37.5°	2516.3	2105.0	1347.3	1109.1	919.3	869.3	856.0	816.0	819.3	831.0
2358.1	40°	2343.1	2011.7	1267.3	1052.5	864.3	814.3	802.7	759.4	762.7	776.0
2174.9	42.5°	2168.3	1910.1	1205.7	979.2	807.7	754.4	742.7	702.8	707.8	722.8
2015.1	45°	2006.7	1788.6	1165.7	897.6	754.4	694.4	682.8	646.2	656.1	672.8
1880.2	47.5°	1868.5	1663.7	1149.1	829.3	697.8	632.8	622.8	592.9	609.5	627.8
1765.3	50°	1750.3	1543.8	1127.4	759.4	644.5	579.5	569.5	549.6	571.2	589.5
1687.0	52.5°	1665.3	1407.2	1080.8	696.1	597.9	534.6	531.2	521.3	541.2	557.9
1628.7	55°	1592.1	1265.7	1005.9	641.2	556.2	496.3	499.6	494.6	511.3	524.6
1593.7	57.5°	1525.4	1142.4	910.9	597.9	511.3	463.0	473.0	466.3	474.6	482.9
1557.1	60°	1445.5	1017.5	797.7	549.6	458.0	429.7	441.3	423.0	421.3	424.7
1490.5	62.5°	1327.3	849.3	679.5	489.6	411.3	393.0	398.0	363.0	336.4	336.4
1392.2	65°	1162.4	682.8	569.5	423.0	358.0	343.1	339.7	289.8	253.1	249.8
1285.6	67.5°	970.9	561.2	473.0	356.4	298.1	288.1	291.4	254.8	218.2	214.8
1179.1	70°	791.0	464.6	381.4	284.8	229.8	239.8	254.8	218.2	183.2	178.2
1054.2	72.5°	642.8	369.7	298.1	218.2	169.9	198.2	216.5	178.2	144.9	141.6
899.3	75°	496.3	271.4	213.2	148.2	123.2	153.2	169.9	129.9	103.3	98.3
696.1	77.5°	331.4	168.2	119.9	93.3	73.3	104.9	113.2	68.3	60.0	58.3
506.3	80°	201.5	78.3	51.6	45.0	25.0	38.3	45.0	28.3	31.6	33.3
269.8	82.5°	101.6	21.6	8.3	1.7	0.0	0.0	13.3	6.7	13.3	16.7
73.3	85°	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.3
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°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
2941.0	2.5°	3034.2	3104.2	3170.8	3277.4	3387.3	3495.5	3605.5	3712.0	3750.3	3778.6
2539.6	5°	2684.5	2816.1	2969.3	3180.8	3407.3	3640.4	3876.9	4093.4	4191.7	4258.3
2161.6	7.5°	2323.1	2494.7	2714.5	3032.6	3387.3	3758.7	4130.0	4471.4	4629.6	4757.9
1805.2	10°	1965.1	2151.6	2429.7	2792.8	3272.4	3805.3	4318.2	4787.8	4992.7	5154.2
1548.8	12.5°	1650.3	1825.2	2116.6	2518.0	3092.5	3768.7	4426.5	4991.0	5232.5	5414.0
1365.6	15°	1428.9	1552.1	1810.2	2243.2	2879.4	3650.4	4433.1	5087.6	5352.4	5542.2
1289.0	17.5°	1305.6	1347.3	1515.5	1963.4	2642.9	3495.5	4371.5	5120.9	5404.0	5580.5
1220.7	20°	1239.0	1245.7	1292.3	1600.4	2339.8	3350.7	4313.2	5154.2	5452.3	5600.5
1172.4	22.5°	1185.7	1185.7	1197.4	1309.0	1948.4	3177.5	4294.9	5212.5	5518.9	5610.5
1117.4	25°	1137.4	1137.4	1140.8	1170.7	1543.8	2912.7	4283.2	5302.4	5610.5	5635.5
1062.5	27.5°	1087.5	1089.1	1089.1	1105.8	1244.0	2553.0	4233.3	5419.0	5720.4	5668.8
1009.2	30°	1037.5	1040.8	1040.8	1052.5	1100.8	2131.6	4135.0	5558.9	5863.6	5712.1
955.9	32.5°	987.5	990.9	990.9	1000.9	1035.8	1702.0	4011.8	5687.1	6008.5	5730.4
904.3	35°	935.9	940.9	937.6	950.9	987.5	1353.9	3855.3	5815.4	6165.1	5788.7
854.3	37.5°	884.3	887.6	886.0	899.3	940.9	1169.1	3673.7	5911.9	6378.2	5918.6
801.0	40°	832.7	831.0	831.0	846.0	891.0	1115.8	3445.6	6065.2	6684.7	6146.8
747.7	42.5°	779.4	779.4	776.0	792.7	847.7	1075.8	3227.4	6339.9	7131.0	6509.8
697.8	45°	731.1	729.4	722.8	737.7	806.0	1005.9	3150.8	6852.9	7790.4	7097.7
647.8	47.5°	684.5	682.8	666.1	679.5	756.1	942.6	3437.3	7692.2	8704.7	7962.0
607.8	50°	642.8	644.5	612.8	624.5	706.1	894.3	4058.4	8781.3	9918.7	9126.0
574.5	52.5°	604.5	604.5	562.9	569.5	644.5	851.0	4649.6	9962.0	11520.8	10749.7
539.6	55°	566.2	562.9	516.3	519.6	582.9	789.4	4737.9	11114.5	13705.7	13192.8
501.3	57.5°	522.9	516.3	473.0	473.0	526.2	744.4	4106.7	12000.4	16416.9	16783.3
429.7	60°	469.6	464.6	436.3	428.0	481.3	784.4	2897.7	12103.7	18165.5	21557.8
341.4	62.5°	401.3	408.0	393.0	381.4	438.0	814.3	1717.0	11272.7	17742.5	23076.6
264.8	65°	316.4	343.1	339.7	331.4	481.3	686.1	1014.2	9677.3	16445.2	21850.9
231.5	67.5°	269.8	288.1	283.1	283.1	504.6	521.3	637.8	7560.6	14660.0	20397.0
193.2	70°	229.8	248.1	229.8	229.8	381.4	316.4	441.3	5279.1	12733.2	18788.3
154.9	72.5°	189.8	208.2	188.2	174.9	304.8	236.5	323.1	3299.0	10904.6	17113.0
109.9	75°	144.9	166.5	151.5	134.9	201.5	176.5	244.8	1916.8	9034.4	14641.6
66.6	77.5°	91.6	119.9	113.2	94.9	148.2	128.2	176.5	1140.8	6971.1	11440.9
40.0	80°	56.6	61.6	63.3	60.0	84.9	86.6	119.9	649.5	4771.2	7973.6
25.0	82.5°	36.6	36.6	28.3	31.6	41.6	50.0	68.3	244.8	2804.4	4854.5
15.0	85°	26.6	23.3	15.0	15.0	20.0	25.0	26.6	74.9	1137.4	1916.8
6.7	87.5°	13.3	11.7	5.0	6.7	10.0	8.3	6.7	3.3	286.4	612.8
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°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
3841.9	2.5°	3875.2	3926.9	3930.2	3930.2	3885.2	3883.6	3792.0	3782.0
4408.1	5°	4563.0	4596.3	4604.7	4588.0	4498.1	4431.5	4253.3	4215.0
4986.0	7.5°	5192.5	5259.1	5259.1	5219.2	5072.6	4936.1	4677.9	4581.3
5464.0	10°	5695.4	5772.1	5755.4	5673.8	5488.9	5300.8	4987.7	4861.1
5753.7	12.5°	5940.3	6018.5	5975.2	5882.0	5702.1	5503.9	5174.2	5031.0
5837.0	15°	5935.3	5913.6	5868.6	5857.0	5770.4	5620.5	5312.4	5155.9
5785.4	17.5°	5723.8	5540.6	5505.6	5622.2	5732.1	5695.4	5432.3	5285.8
5662.1	20°	5389.0	5069.3	5037.6	5260.8	5573.9	5733.8	5543.9	5409.0
5484.0	22.5°	5036.0	4691.3	4618.0	4864.4	5335.7	5745.4	5685.5	5550.6
5287.4	25°	4701.2	4354.9	4281.6	4511.4	5070.9	5725.4	5838.7	5723.8
5099.3	27.5°	4421.5	4086.7	4018.5	4248.3	4816.2	5668.8	5991.9	5910.3
4912.7	30°	4205.0	3895.2	3845.3	4066.8	4596.3	5598.9	6186.7	6141.8
4739.5	32.5°	4078.4	3851.9	3870.2	4051.8	4478.1	5522.3	6373.2	6394.9
4654.6	35°	4203.3	4213.3	4373.2	4448.1	4588.0	5510.6	6626.4	6711.3
4756.2	37.5°	4824.5	5170.9	5502.3	5440.7	5125.9	5645.5	7004.4	7162.6
5199.2	40°	5882.0	6593.1	7131.0	6896.2	6103.5	6058.5	7549.0	7785.4
5985.2	42.5°	7174.3	8380.0	9265.9	8636.4	7364.1	6781.2	8326.7	8628.1
6936.1	45°	8538.2	10583.2	11978.8	10669.8	8708.0	7793.8	9504.1	9740.6
7827.1	47.5°	9975.4	13261.1	15066.3	12924.7	9953.7	8946.2	11109.5	11164.4
8671.4	50°	11547.4	16197.1	18213.8	15177.9	11156.1	10266.8	13071.2	13007.9
9655.6	52.5°	13044.6	19216.3	21294.7	17441.1	12211.9	11905.5	15347.7	15217.8
11001.2	55°	14473.4	22233.9	24393.8	19616.0	13207.8	14070.4	18052.2	17266.2
12941.3	57.5°	16130.4	24946.7	27588.0	21800.9	14600.0	16881.5	21076.5	18455.3
16656.7	60°	18580.2	28029.3	31200.1	24795.2	17247.9	19835.8	22160.6	18228.8
21106.5	62.5°	21707.7	30863.7	33826.3	27729.5	19907.4	20392.0	20563.6	16483.5
20198.9	65°	22315.5	31581.4	33974.5	28513.9	19564.4	17297.8	16788.3	13249.4
18042.3	67.5°	20703.5	30284.1	31902.8	27053.4	17306.2	13367.7	12598.3	9612.3
16626.7	70°	18894.9	27811.1	28292.4	24570.4	15221.2	9832.1	8508.2	6168.4
15657.5	72.5°	17041.4	24512.1	23516.2	21338.0	13377.6	7159.3	6136.8	4384.8
14276.9	75°	14839.8	20173.9	18523.5	17729.2	11076.2	5618.8	4439.8	3025.9
12280.2	77.5°	11883.8	14200.3	13759.0	13742.4	8323.3	4105.1	2962.6	1896.8
9594.0	80°	8383.3	9216.0	8991.1	10350.1	5583.9	2977.6	1783.6	1055.8
6678.0	82.5°	4058.4	5095.9	5230.8	6163.4	2716.2	1751.9	411.3	229.8
2611.2	85°	1588.7	2458.0	2073.3	2339.8	762.7	487.9	10.0	0.0
429.7	87.5°	178.2	284.8	261.5	206.5	93.3	20.0	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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