

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: P953304

Luminaire Tested: **GALN-SB6D-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953304
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-SB6D-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA 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: 28667 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

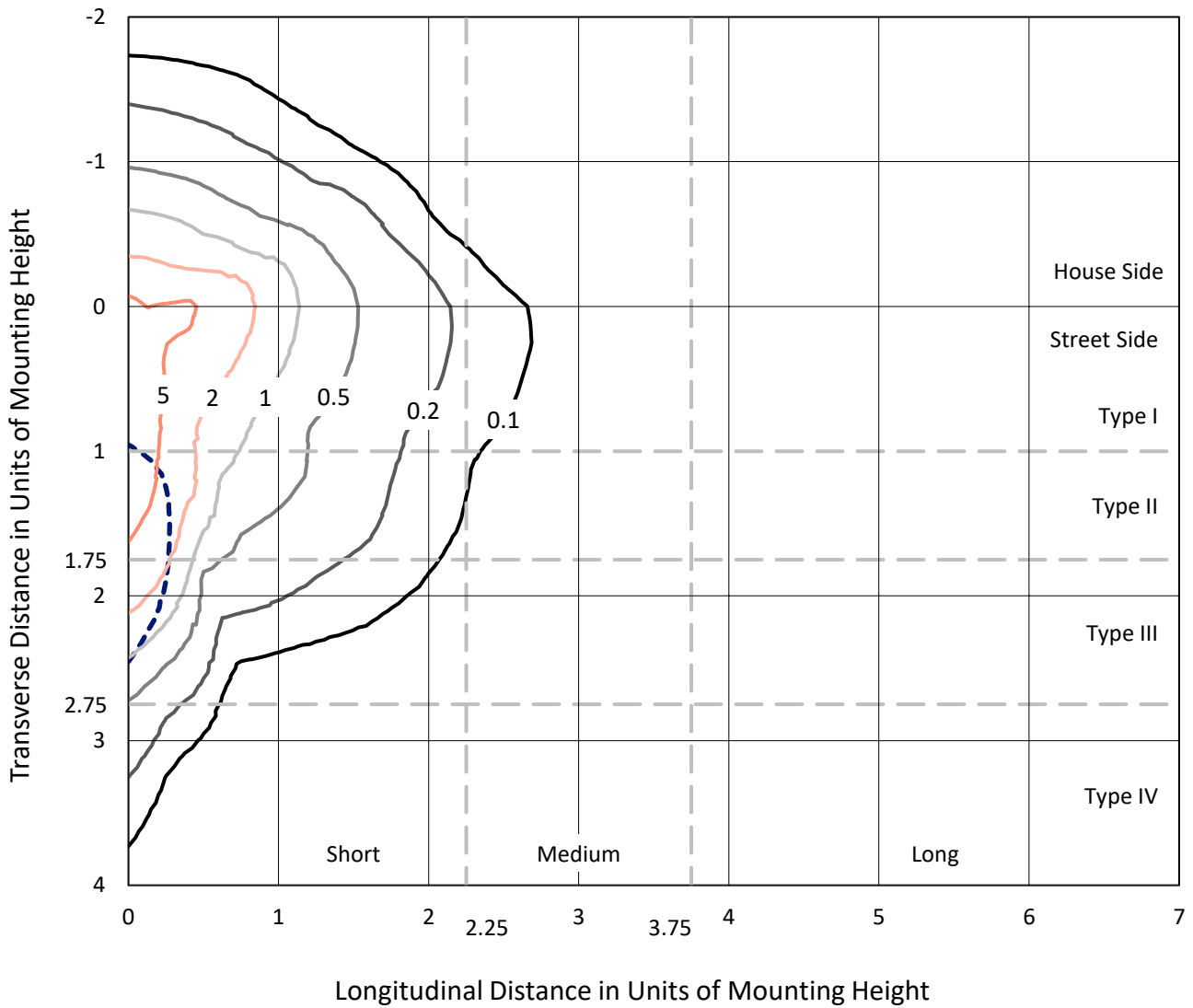
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

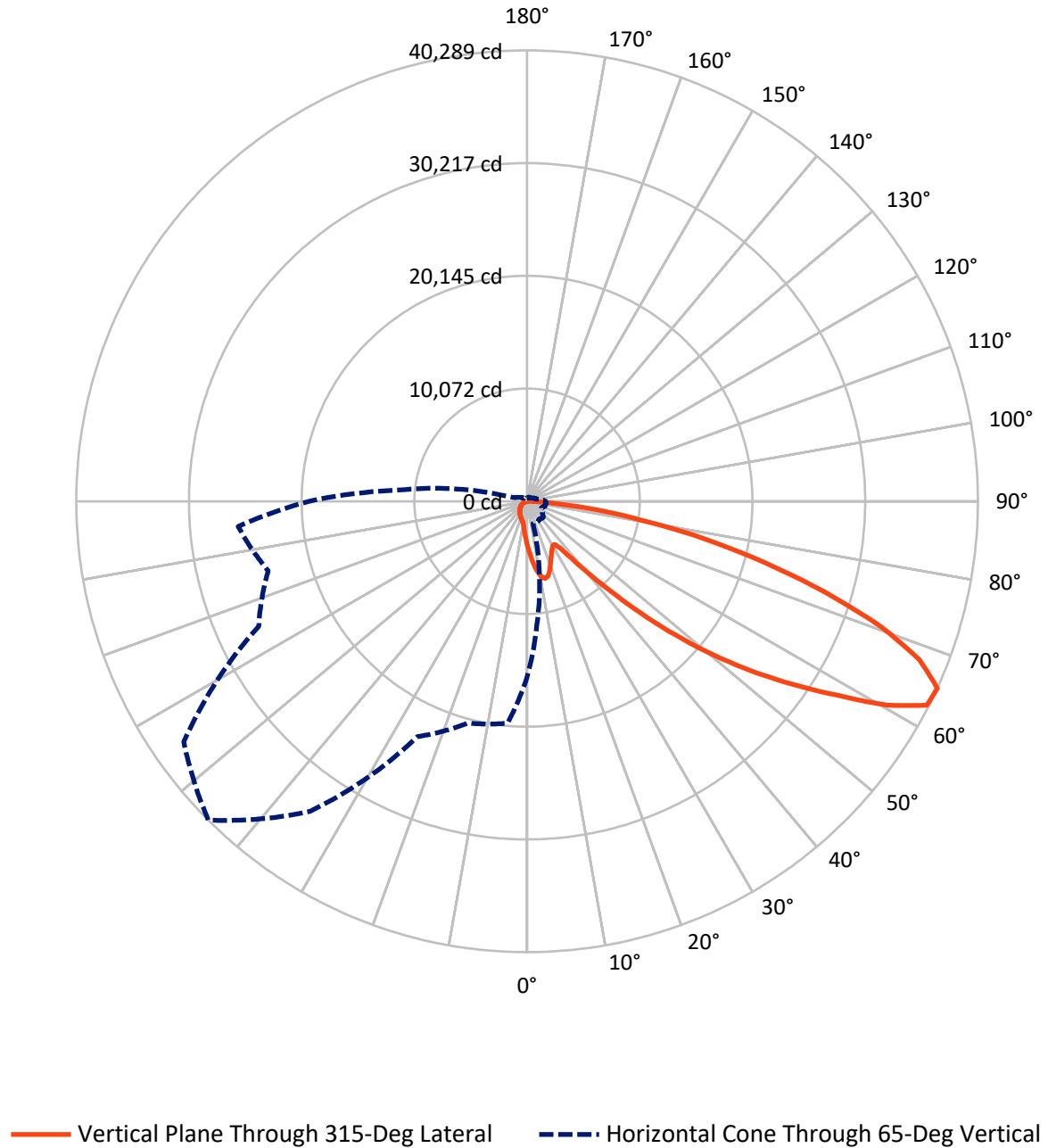
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	4014.6	0.0	4014.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	24652.4	0.0	24652.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	28667.0	0.0	28667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.4
10°-20°	1171.5	4.1
20°-30°	1725.9	6.0
30°-40°	2217.3	7.7
40°-50°	3586.0	12.5
50°-60°	6288.5	21.9
60°-70°	7868.6	27.4
70°-80°	4598.0	16.0
80°-90°	820.4	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°	28667.0	100.0
0°-180°	28667.0	100.0

Coefficient of Utilization



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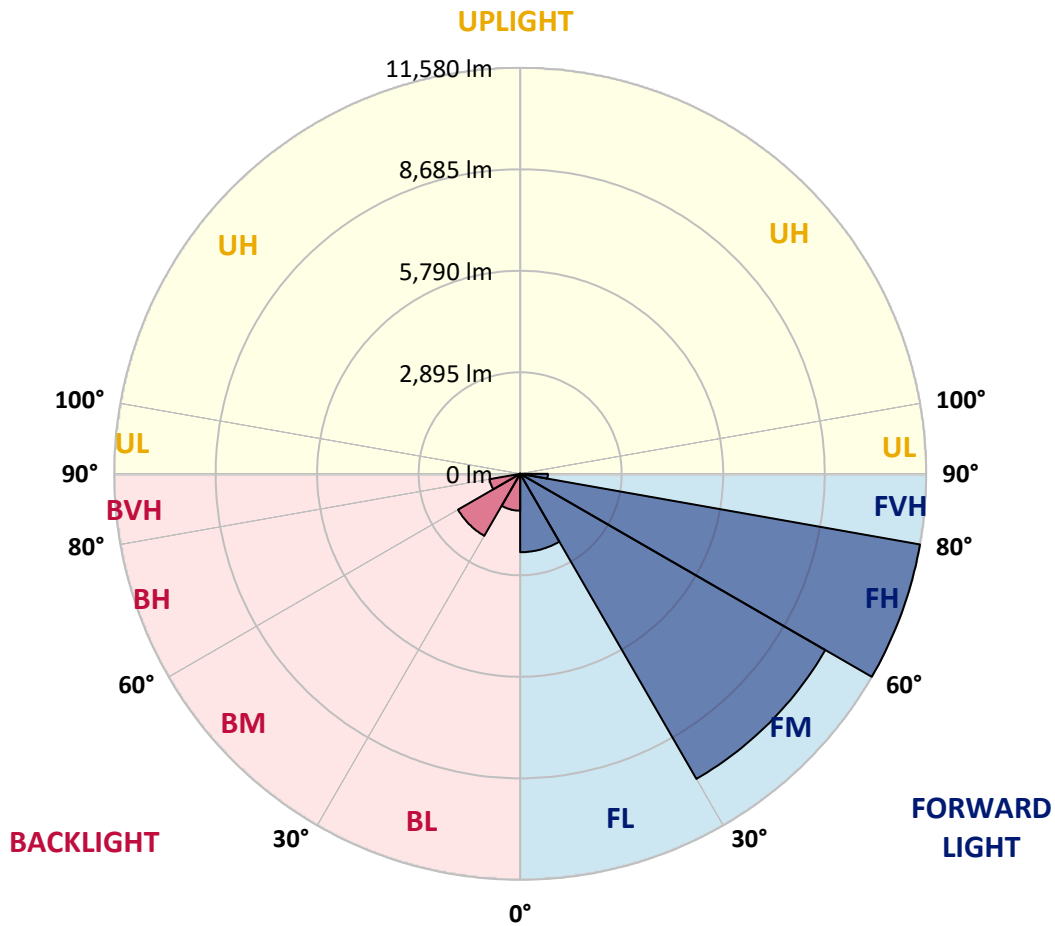
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2235.9	7.8			
FM (30°-60°)	10047.5	35.0			
FH (60°-80°)	11580.2	40.4			G4/12000
FVH (80°-90°)	788.8	2.8			G5
BL (0°-30°)	1052.3	3.7	B3/2500		
BM (30°-60°)	2044.3	7.1	B2/2500		
BH (60°-80°)	886.5	3.1	B2/1000		G2/1000
BVH (80°-90°)	31.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
2.5°	4484.9	4407.9	4362.5	4249.9	4137.3	4046.5	3924.0	3843.1	3746.3	3653.5
5°	4998.4	4873.9	4723.9	4518.5	4330.9	4139.3	3953.7	3770.0	3576.5	3398.7
7.5°	5432.8	5253.1	4988.5	4716.0	4477.0	4245.9	4028.7	3785.8	3550.8	3272.3
10°	5764.6	5535.5	5187.9	4830.5	4556.0	4323.0	4111.7	3906.3	3669.3	3333.6
12.5°	5966.0	5721.2	5308.4	4889.7	4575.7	4315.1	4151.1	4060.3	3967.5	3633.7
15°	6114.2	5849.5	5393.3	4931.2	4530.3	4210.4	4089.9	4180.8	4287.4	4074.1
17.5°	6268.2	5989.7	5503.9	4949.0	4407.9	4007.0	3955.6	4190.6	4437.5	4427.6
20°	6414.3	6137.9	5600.7	4937.1	4210.4	3760.1	3805.5	4105.7	4392.1	4512.5
22.5°	6582.2	6289.9	5693.5	4891.7	3953.7	3529.1	3671.3	3971.4	4222.2	4364.4
25°	6787.6	6481.5	5823.9	4824.6	3677.2	3337.5	3535.0	3815.4	4018.8	4117.6
27.5°	7008.8	6710.6	5997.6	4789.0	3454.0	3201.2	3381.0	3629.8	3811.5	3880.6
30°	7283.3	6977.2	6203.0	4749.5	3307.9	3122.2	3221.0	3414.5	3592.3	3661.4
32.5°	7583.5	7273.4	6400.5	4654.7	3219.0	3063.0	3065.0	3187.4	3349.4	3432.3
35°	7958.7	7628.9	6611.8	4447.4	3147.9	2993.9	2912.9	2972.2	3106.4	3205.2
37.5°	8493.9	8094.9	6870.5	4151.1	3043.3	2887.2	2753.0	2766.8	2869.5	2978.1
40°	9232.5	8721.0	7174.7	3843.1	2893.2	2737.2	2577.2	2571.3	2646.3	2753.0
42.5°	10231.7	9548.4	7540.0	3548.8	2749.0	2555.5	2391.6	2381.7	2440.9	2533.7
45°	11550.9	10607.0	7988.3	3296.0	2636.4	2377.7	2215.8	2211.8	2261.2	2342.2
47.5°	13239.4	12078.2	8436.6	3124.2	2577.2	2237.5	2071.6	2079.5	2123.0	2196.0
50°	15425.6	13995.8	8572.9	3037.3	2577.2	2162.5	1943.3	1982.8	2018.3	2073.6
52.5°	18046.2	15836.4	8122.6	2958.3	2593.0	2172.3	1834.6	1919.6	1945.2	1992.6
55°	20475.3	16738.9	6983.1	2849.7	2596.9	2233.6	1741.8	1868.2	1915.6	1933.4
57.5°	21885.4	16428.8	5646.1	2666.1	2581.1	2275.0	1682.6	1805.0	1895.9	1907.7
60°	21616.8	15340.7	4157.1	2525.8	2464.6	2259.2	1664.8	1708.3	1852.4	1870.2
62.5°	19547.1	13515.9	2885.3	2417.2	2207.9	2190.1	1658.9	1556.2	1757.6	1801.1
65°	15712.0	10640.5	2038.1	2081.5	1935.4	2040.0	1627.3	1398.2	1643.1	1702.3
67.5°	11398.9	7200.3	1471.3	1686.5	1753.7	1797.1	1556.2	1283.7	1512.7	1591.7
70°	7314.9	3888.5	1032.9	1113.8	1477.2	1526.6	1433.7	1181.0	1380.4	1471.3
72.5°	5199.8	2296.8	742.5	780.1	1186.9	1271.8	1261.9	1066.4	1226.4	1337.0
75°	3588.3	1265.9	501.6	556.9	861.0	1032.9	973.6	916.3	1038.8	1151.3
77.5°	2249.4	566.8	300.2	387.1	564.8	811.7	667.5	709.0	809.7	914.4
80°	1252.1	219.2	167.9	256.7	308.1	590.5	369.3	456.2	596.4	671.5
82.5°	272.5	27.6	75.0	110.6	120.5	343.6	195.5	264.6	375.2	369.3
85°	0.0	0.0	13.8	15.8	7.9	148.1	71.1	86.9	122.4	114.5
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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
3570.5	2.5°	3554.7	3458.0	3386.9	3351.3	3321.7	3349.4	3365.2	3365.2	3432.3	3471.8
3290.1	5°	3221.0	3047.2	2914.9	2826.0	2772.7	2790.5	2810.2	2831.9	2916.9	2974.1
3124.2	7.5°	2989.9	2723.3	2521.9	2397.5	2332.3	2342.2	2356.0	2373.8	2456.7	2514.0
3147.9	10°	2946.5	2563.4	2279.0	2115.1	2036.1	2022.3	2014.4	2008.4	2057.8	2101.2
3416.5	12.5°	3124.2	2571.3	2174.3	1974.9	1878.1	1836.6	1789.2	1751.7	1759.6	1787.2
3823.3	15°	3442.2	2672.0	2140.7	1901.8	1781.3	1712.2	1656.9	1611.5	1601.6	1611.5
4178.8	17.5°	3805.5	2808.2	2136.8	1838.6	1688.5	1617.4	1572.0	1530.5	1516.7	1518.7
4378.3	20°	4046.5	2916.9	2124.9	1767.5	1599.6	1536.4	1496.9	1455.5	1441.6	1445.6
4323.0	22.5°	4070.2	2974.1	2107.2	1688.5	1510.8	1457.4	1417.9	1380.4	1378.5	1378.5
4115.6	25°	3941.8	2974.1	2069.6	1617.4	1425.8	1378.5	1342.9	1297.5	1305.4	1309.3
3880.6	27.5°	3742.4	2903.0	1998.6	1560.1	1352.8	1303.4	1267.9	1226.4	1236.3	1242.2
3661.4	30°	3544.9	2812.2	1913.6	1495.0	1283.7	1226.4	1200.7	1165.2	1169.1	1177.0
3444.2	32.5°	3361.2	2715.4	1812.9	1441.6	1214.5	1157.3	1137.5	1098.0	1103.9	1111.8
3230.9	35°	3179.5	2608.8	1694.4	1378.5	1151.3	1094.1	1078.3	1032.9	1036.8	1048.6
3017.6	37.5°	2984.0	2496.2	1597.7	1315.3	1090.1	1030.9	1015.1	967.7	971.6	985.5
2796.4	40°	2778.6	2385.6	1502.9	1248.1	1025.0	965.7	951.9	900.5	904.5	920.3
2579.2	42.5°	2571.3	2265.2	1429.8	1161.2	957.8	894.6	880.8	833.4	839.3	857.1
2389.6	45°	2379.7	2121.0	1382.4	1064.4	894.6	823.5	809.7	766.2	778.1	797.8
2229.6	47.5°	2215.8	1972.9	1362.7	983.5	827.5	750.4	738.6	703.0	722.8	744.5
2093.3	50°	2075.6	1830.7	1337.0	900.5	764.3	687.3	675.4	651.7	677.4	699.1
2000.5	52.5°	1974.9	1668.8	1281.7	825.5	709.0	633.9	630.0	618.1	641.8	661.6
1931.4	55°	1888.0	1500.9	1192.8	760.3	659.6	588.5	592.5	586.5	606.3	622.1
1889.9	57.5°	1809.0	1354.8	1080.2	709.0	606.3	549.0	560.9	553.0	562.8	572.7
1846.5	60°	1714.2	1206.6	946.0	651.7	543.1	509.5	523.3	501.6	499.6	503.6
1767.5	62.5°	1574.0	1007.2	805.7	580.6	487.8	466.1	472.0	430.5	398.9	398.9
1651.0	65°	1378.5	809.7	675.4	501.6	424.6	406.8	402.9	343.6	300.2	296.2
1524.6	67.5°	1151.3	665.5	560.9	422.6	353.5	341.7	345.6	302.2	258.7	254.8
1398.2	70°	938.1	551.0	452.2	337.7	272.5	284.4	302.2	258.7	217.2	211.3
1250.1	72.5°	762.3	438.4	353.5	258.7	201.4	235.0	256.7	211.3	171.8	167.9
1066.4	75°	588.5	321.9	252.8	175.8	146.1	181.7	201.4	154.0	122.4	116.5
825.5	77.5°	393.0	199.5	142.2	110.6	86.9	124.4	134.3	81.0	71.1	69.1
600.4	80°	239.0	92.8	61.2	53.3	29.6	45.4	53.3	33.6	37.5	39.5
319.9	82.5°	120.5	25.7	9.9	2.0	0.0	0.0	15.8	7.9	15.8	19.7
86.9	85°	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.9
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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
3487.6	2.5°	3598.2	3681.1	3760.1	3886.5	4016.9	4145.2	4275.6	4402.0	4447.4	4481.0
3011.7	5°	3183.5	3339.5	3521.2	3772.0	4040.6	4317.0	4597.5	4854.2	4970.7	5049.7
2563.4	7.5°	2754.9	2958.3	3219.0	3596.2	4016.9	4457.3	4897.6	5302.5	5490.1	5642.2
2140.7	10°	2330.3	2551.5	2881.3	3311.8	3880.6	4512.5	5120.8	5677.7	5920.6	6112.2
1836.6	12.5°	1957.1	2164.4	2510.0	2986.0	3667.3	4469.1	5249.2	5918.6	6205.0	6420.3
1619.4	15°	1694.4	1840.6	2146.7	2660.1	3414.5	4328.9	5257.1	6033.2	6347.2	6572.3
1528.5	17.5°	1548.3	1597.7	1797.1	2328.4	3134.1	4145.2	5184.0	6072.7	6408.4	6617.7
1447.6	20°	1469.3	1477.2	1532.5	1897.8	2774.7	3973.4	5114.9	6112.2	6465.7	6641.4
1390.3	22.5°	1406.1	1406.1	1419.9	1552.2	2310.6	3768.0	5093.2	6181.3	6544.7	6653.3
1325.1	25°	1348.8	1348.8	1352.8	1388.3	1830.7	3454.0	5079.3	6287.9	6653.3	6682.9
1260.0	27.5°	1289.6	1291.6	1291.6	1311.3	1475.2	3027.5	5020.1	6426.2	6783.6	6722.4
1196.8	30°	1230.3	1234.3	1234.3	1248.1	1305.4	2527.8	4903.6	6592.1	6953.5	6773.8
1133.6	32.5°	1171.1	1175.0	1175.0	1186.9	1228.4	2018.3	4757.4	6744.1	7125.3	6795.5
1072.3	35°	1109.9	1115.8	1111.8	1127.6	1171.1	1605.6	4571.8	6896.2	7310.9	6864.6
1013.1	37.5°	1048.6	1052.6	1050.6	1066.4	1115.8	1386.3	4356.5	7010.7	7563.7	7018.6
949.9	40°	987.4	985.5	985.5	1003.2	1056.5	1323.2	4086.0	7192.4	7927.1	7289.2
886.7	42.5°	924.2	924.2	920.3	940.0	1005.2	1275.8	3827.3	7518.3	8456.3	7719.7
827.5	45°	867.0	865.0	857.1	874.9	955.8	1192.8	3736.4	8126.5	9238.4	8416.8
768.2	47.5°	811.7	809.7	789.9	805.7	896.6	1117.8	4076.1	9121.9	10322.6	9441.8
720.8	50°	762.3	764.3	726.7	740.6	837.3	1060.5	4812.7	10413.4	11762.2	10822.2
681.3	52.5°	716.9	716.9	667.5	675.4	764.3	1009.2	5513.8	11813.6	13662.1	12747.7
639.9	55°	671.5	667.5	612.2	616.2	691.2	936.1	5618.5	13180.2	16253.1	15644.8
594.4	57.5°	620.1	612.2	560.9	560.9	624.1	882.8	4870.0	14230.8	19468.1	19902.6
509.5	60°	556.9	551.0	517.4	507.5	570.7	930.2	3436.3	14353.3	21541.7	25564.5
404.8	62.5°	475.9	483.8	466.1	452.2	519.4	965.7	2036.1	13367.8	21040.1	27365.6
314.0	65°	375.2	406.8	402.9	393.0	570.7	813.6	1202.7	11475.9	19501.7	25912.1
274.5	67.5°	319.9	341.7	335.7	335.7	598.4	618.1	756.4	8965.9	17384.7	24188.0
229.1	70°	272.5	294.3	272.5	272.5	452.2	375.2	523.3	6260.3	15099.8	22280.3
183.7	72.5°	225.1	246.9	223.2	207.4	361.4	280.4	383.1	3912.2	12931.4	20293.6
130.3	75°	171.8	197.5	179.7	160.0	239.0	209.3	290.3	2273.1	10713.6	17362.9
79.0	77.5°	108.6	142.2	134.3	112.6	175.8	152.1	209.3	1352.8	8266.8	13567.3
47.4	80°	67.1	73.1	75.0	71.1	100.7	102.7	142.2	770.2	5658.0	9455.6
29.6	82.5°	43.4	43.4	33.6	37.5	49.4	59.2	81.0	290.3	3325.7	5756.7
17.8	85°	31.6	27.6	17.8	17.8	23.7	29.6	31.6	88.9	1348.8	2273.1
7.9	87.5°	15.8	13.8	5.9	7.9	11.8	9.9	7.9	3.9	339.7	726.7
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°
3969.5	0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
4556.0	2.5°	4595.5	4656.7	4660.7	4660.7	4607.3	4605.4	4496.7	4484.9
5227.4	5°	5411.1	5450.6	5460.5	5440.7	5334.1	5255.1	5043.8	4998.4
5912.7	7.5°	6157.6	6236.6	6236.6	6189.2	6015.4	5853.5	5547.4	5432.8
6479.5	10°	6754.0	6844.9	6825.1	6728.3	6509.1	6286.0	5914.7	5764.6
6823.1	12.5°	7044.3	7137.1	7085.8	6975.2	6761.9	6526.9	6135.9	5966.0
6921.9	15°	7038.4	7012.7	6959.4	6945.6	6842.9	6665.1	6299.8	6114.2
6860.7	17.5°	6787.6	6570.3	6528.9	6667.1	6797.5	6754.0	6442.0	6268.2
6714.5	20°	6390.6	6011.5	5973.9	6238.6	6609.8	6799.4	6574.3	6414.3
6503.2	22.5°	5972.0	5563.2	5476.3	5768.6	6327.4	6813.3	6742.2	6582.2
6270.2	25°	5575.0	5164.3	5077.4	5349.9	6013.4	6789.6	6923.8	6787.6
6047.0	27.5°	5243.2	4846.3	4765.3	5037.9	5711.3	6722.4	7105.5	7008.8
5825.8	30°	4986.5	4619.2	4559.9	4822.6	5450.6	6639.5	7336.6	7283.3
5620.4	32.5°	4836.4	4567.8	4589.6	4804.8	5310.4	6548.6	7557.8	7583.5
5519.7	35°	4984.5	4996.4	5186.0	5274.8	5440.7	6534.8	7858.0	7958.7
5640.2	37.5°	5721.2	6131.9	6524.9	6451.9	6078.6	6694.8	8306.2	8493.9
6165.5	40°	6975.2	7818.5	8456.3	8177.9	7237.9	7184.5	8952.0	9232.5
7097.6	42.5°	8507.7	9937.5	10988.1	10241.6	8732.8	8041.6	9874.3	10231.7
8225.3	45°	10125.1	12550.2	14205.1	12652.9	10326.5	9242.3	11270.5	11550.9
9281.8	47.5°	11829.4	15725.8	17866.5	15326.9	11803.7	10608.9	13174.3	13239.4
10283.1	50°	13693.7	19207.5	21599.0	17998.8	13229.6	12175.0	15500.7	15425.6
11450.2	52.5°	15469.1	22787.9	25252.5	20682.7	14481.6	14118.3	18200.3	18046.2
13045.9	55°	17163.5	26366.3	28927.7	23261.8	15662.6	16685.6	21407.4	20475.3
15346.6	57.5°	19128.5	29583.4	32715.5	25852.9	17313.6	20019.1	24993.8	21885.4
19752.5	60°	22033.5	33238.8	36998.9	29403.6	20453.6	23522.5	26279.4	21616.8
25029.3	62.5°	25742.3	36600.0	40113.3	32883.3	23607.4	24182.1	24385.5	19547.1
23953.0	65°	26463.1	37451.2	40289.1	33813.5	23200.6	20512.8	19908.5	15712.0
21395.6	67.5°	24551.4	35912.8	37832.3	32081.5	20522.7	15852.2	14939.8	11398.9
19717.0	70°	22406.7	32980.1	33550.8	29137.0	18050.2	11659.6	10089.5	7314.9
18567.6	72.5°	20208.7	29067.9	27887.0	25303.8	15864.0	8489.9	7277.3	5199.8
16930.4	75°	17597.9	23923.4	21966.3	21024.3	13134.8	6663.2	5265.0	3588.3
14562.6	77.5°	14092.6	16839.6	16316.3	16296.5	9870.3	4868.0	3513.3	2249.4
11377.2	80°	9941.4	10928.9	10662.3	12273.7	6621.7	3531.0	2115.1	1252.1
7919.2	82.5°	4812.7	6043.1	6203.0	7308.9	3221.0	2077.5	487.8	272.5
3096.6	85°	1884.0	2914.9	2458.7	2774.7	904.5	578.6	11.8	0.0
509.5	87.5°	211.3	337.7	310.1	244.9	110.6	23.7	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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