

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: P953031

Luminaire Tested: **GALN-SB6C-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953031
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-SB6C-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 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: 24111 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

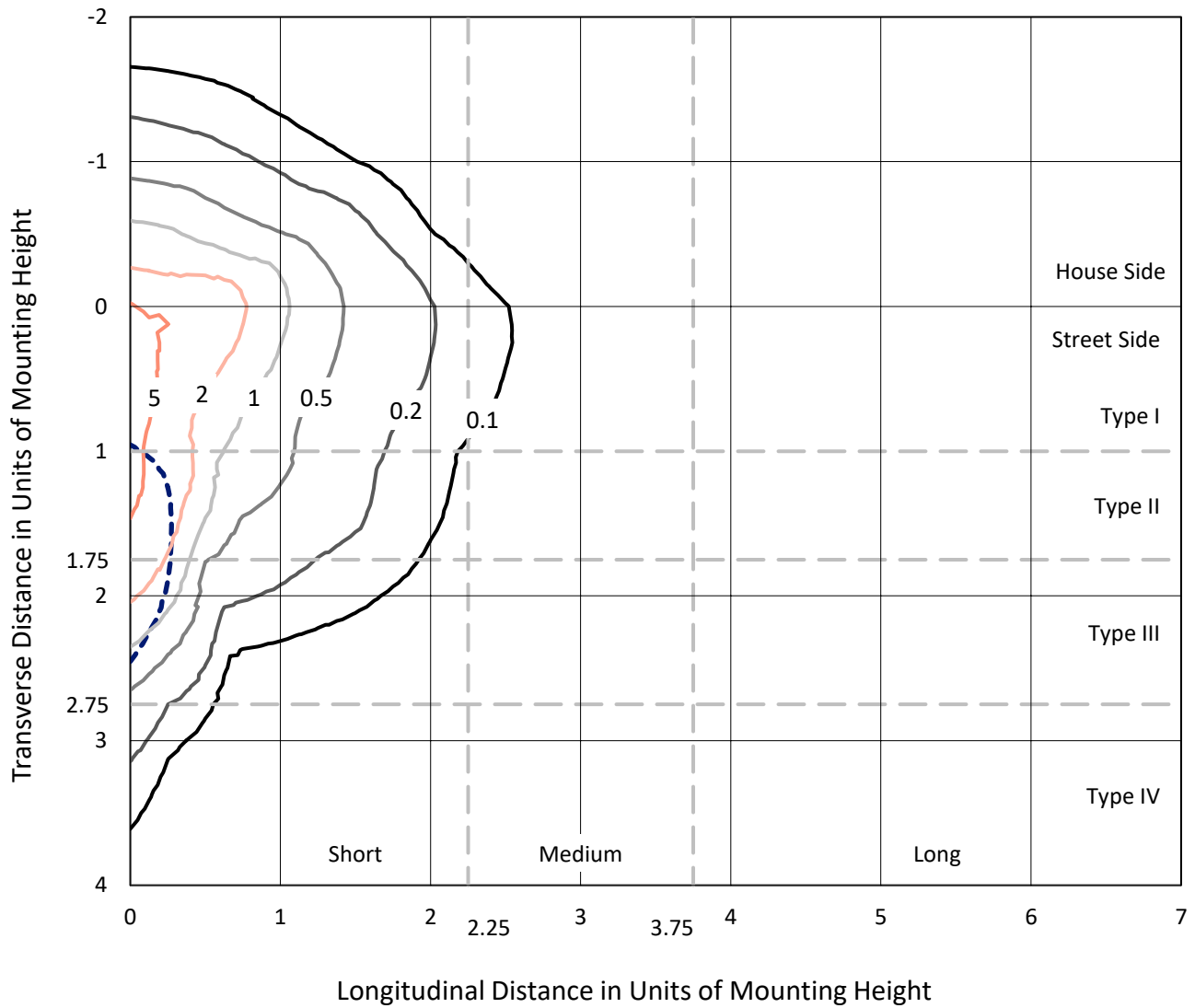
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

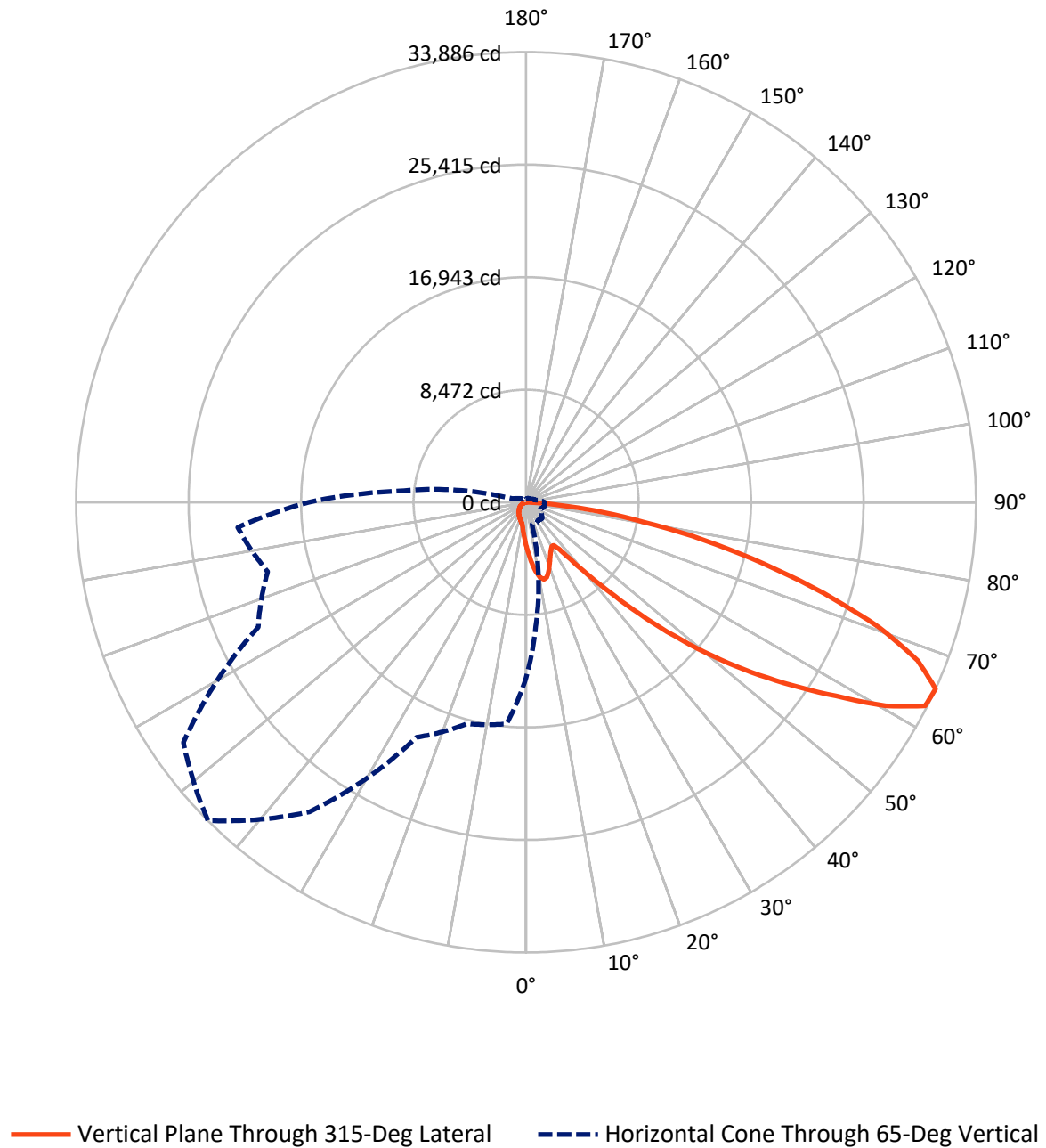
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	3376.6	0.0	3376.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	20734.4	0.0	20734.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	24111.0	0.0	24111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.7	1.4
10°-20°	985.3	4.1
20°-30°	1451.6	6.0
30°-40°	1864.9	7.7
40°-50°	3016.1	12.5
50°-60°	5289.0	21.9
60°-70°	6618.0	27.4
70°-80°	3867.3	16.0
80°-90°	690.0	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°	24111.0	100.0
0°-180°	24111.0	100.0

Coefficient of Utilization



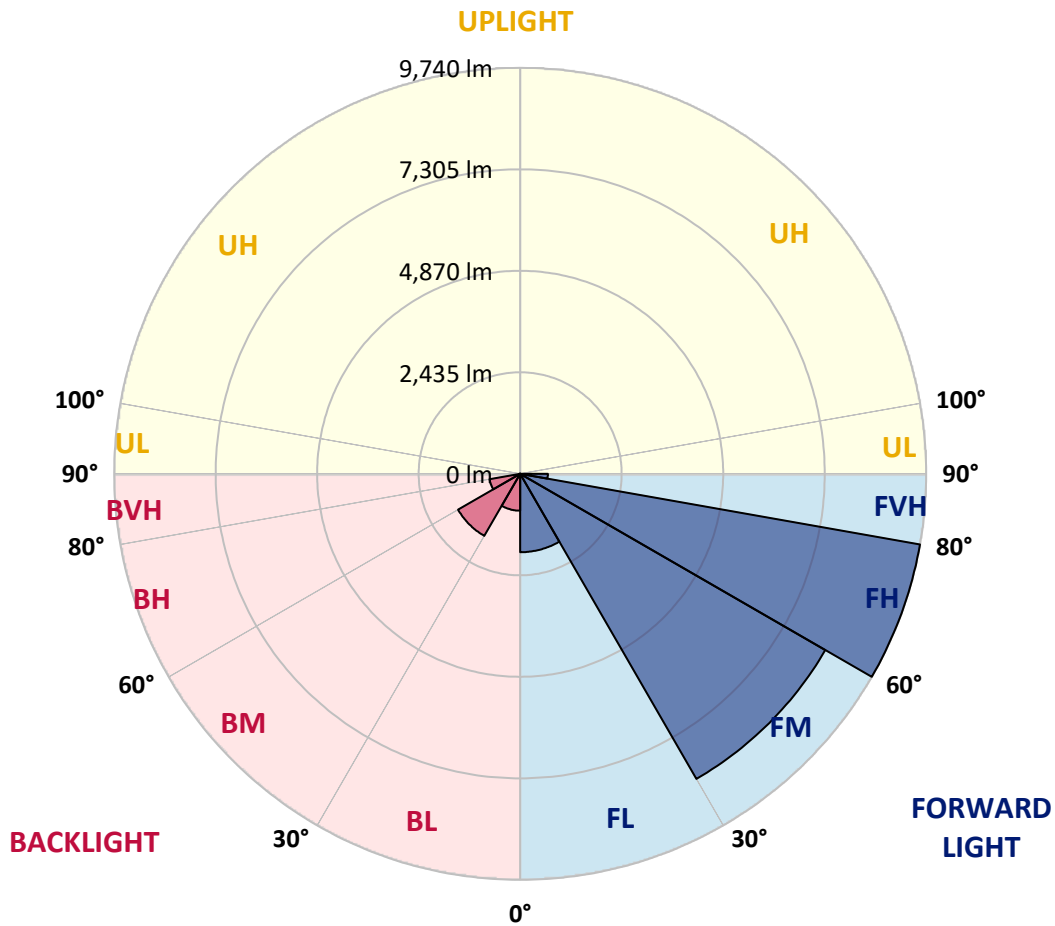
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1880.6	7.8			
FM (30°-60°)	8450.6	35.0			
FH (60°-80°)	9739.7	40.4			G4/12000
FVH (80°-90°)	663.5	2.8			G4/750
BL (0°-30°)	885.1	3.7	B2/1000		
BM (30°-60°)	1719.4	7.1	B2/2500		
BH (60°-80°)	745.6	3.1	B2/1000		G2/1000
BVH (80°-90°)	26.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2.5°	3772.1	3707.3	3669.1	3574.5	3479.8	3403.4	3300.4	3232.3	3150.9	3072.8
5°	4204.0	4099.3	3973.1	3800.4	3642.6	3481.4	3325.3	3170.8	3008.1	2858.6
7.5°	4569.4	4418.2	4195.7	3966.5	3765.5	3571.1	3388.4	3184.1	2986.5	2752.3
10°	4848.4	4655.8	4363.4	4062.8	3831.9	3635.9	3458.2	3285.5	3086.1	2803.8
12.5°	5017.9	4811.9	4464.8	4112.6	3848.5	3629.3	3491.4	3415.0	3336.9	3056.2
15°	5142.4	4919.9	4536.2	4147.5	3810.3	3541.2	3439.9	3516.3	3606.0	3426.6
17.5°	5272.0	5037.8	4629.2	4162.5	3707.3	3370.2	3327.0	3524.6	3732.3	3724.0
20°	5394.9	5162.4	4710.6	4152.5	3541.2	3162.5	3200.7	3453.2	3694.1	3795.4
22.5°	5536.1	5290.3	4788.7	4114.3	3325.3	2968.2	3087.8	3340.3	3551.2	3670.8
25°	5708.8	5451.4	4898.3	4057.8	3092.8	2807.1	2973.2	3209.0	3380.1	3463.2
27.5°	5894.9	5644.1	5044.4	4027.9	2905.1	2692.5	2843.6	3052.9	3205.7	3263.9
30°	6125.8	5868.3	5217.2	3994.7	2782.2	2626.0	2709.1	2871.9	3021.4	3079.5
32.5°	6378.2	6117.4	5383.3	3915.0	2707.4	2576.2	2577.9	2680.8	2817.0	2886.8
35°	6693.8	6416.4	5561.0	3740.6	2647.6	2518.1	2450.0	2499.8	2612.7	2695.8
37.5°	7143.9	6808.4	5778.6	3491.4	2559.6	2428.4	2315.4	2327.1	2413.4	2504.8
40°	7765.2	7335.0	6034.4	3232.3	2433.4	2302.1	2167.6	2162.6	2225.7	2315.4
42.5°	8605.6	8030.9	6341.7	2984.8	2312.1	2149.3	2011.5	2003.2	2053.0	2131.1
45°	9715.2	8921.2	6718.7	2772.2	2217.4	1999.8	1863.6	1860.3	1901.8	1969.9
47.5°	11135.3	10158.7	7095.8	2627.7	2167.6	1881.9	1742.4	1749.0	1785.6	1847.0
50°	12974.0	11771.5	7210.4	2554.6	2167.6	1818.8	1634.4	1667.6	1697.5	1744.0
52.5°	15178.2	13319.5	6831.7	2488.2	2180.9	1827.1	1543.1	1614.5	1636.1	1675.9
55°	17221.2	14078.6	5873.3	2396.8	2184.2	1878.6	1465.0	1571.3	1611.2	1626.1
57.5°	18407.2	13817.8	4748.8	2242.3	2170.9	1913.5	1415.2	1518.2	1594.6	1604.5
60°	18181.3	12902.6	3496.4	2124.4	2072.9	1900.2	1400.2	1436.8	1558.0	1573.0
62.5°	16440.5	11367.9	2426.7	2033.1	1857.0	1842.0	1395.2	1308.9	1478.3	1514.8
65°	13214.9	8949.4	1714.1	1750.7	1627.8	1715.8	1368.7	1176.0	1381.9	1431.8
67.5°	9587.3	6056.0	1237.4	1418.5	1475.0	1511.5	1308.9	1079.6	1272.3	1338.8
70°	6152.3	3270.5	868.7	936.8	1242.4	1283.9	1205.9	993.3	1161.0	1237.4
72.5°	4373.4	1931.7	624.5	656.1	998.3	1069.7	1061.4	896.9	1031.5	1124.5
75°	3018.0	1064.7	421.9	468.4	724.2	868.7	818.9	770.7	873.7	968.4
77.5°	1891.9	476.7	252.5	325.6	475.0	682.7	561.4	596.3	681.0	769.0
80°	1053.1	184.4	141.2	215.9	259.1	496.6	310.6	383.7	501.6	564.7
82.5°	229.2	23.3	63.1	93.0	101.3	289.0	164.4	222.6	315.6	310.6
85°	0.0	0.0	11.6	13.3	6.6	124.6	59.8	73.1	103.0	96.3
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°
3338.6	0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
3003.1	2.5°	2989.8	2908.4	2848.6	2818.7	2793.8	2817.0	2830.3	2830.3	2886.8	2920.0
2767.2	5°	2709.1	2562.9	2451.6	2376.9	2332.0	2347.0	2363.6	2381.9	2453.3	2501.5
2627.7	7.5°	2514.7	2290.5	2121.1	2016.4	1961.6	1969.9	1981.6	1996.5	2066.3	2114.4
2647.6	10°	2478.2	2156.0	1916.8	1778.9	1712.5	1700.9	1694.2	1689.2	1730.8	1767.3
2873.5	12.5°	2627.7	2162.6	1828.8	1661.0	1579.6	1544.7	1504.9	1473.3	1479.9	1503.2
3215.7	15°	2895.1	2247.3	1800.5	1599.5	1498.2	1440.1	1393.6	1355.4	1347.1	1355.4
3514.7	17.5°	3200.7	2361.9	1797.2	1546.4	1420.2	1360.4	1322.2	1287.3	1275.6	1277.3
3682.4	20°	3403.4	2453.3	1787.2	1486.6	1345.4	1292.3	1259.0	1224.2	1212.5	1215.8
3635.9	22.5°	3423.3	2501.5	1772.3	1420.2	1270.7	1225.8	1192.6	1161.0	1159.4	1159.4
3461.5	25°	3315.3	2501.5	1740.7	1360.4	1199.2	1159.4	1129.5	1091.3	1097.9	1101.2
3263.9	27.5°	3147.6	2441.7	1680.9	1312.2	1137.8	1096.3	1066.4	1031.5	1039.8	1044.8
3079.5	30°	2981.5	2365.3	1609.5	1257.4	1079.6	1031.5	1009.9	980.0	983.3	990.0
2896.8	32.5°	2827.0	2283.9	1524.8	1212.5	1021.5	973.3	956.7	923.5	928.5	935.1
2717.4	35°	2674.2	2194.2	1425.1	1159.4	968.4	920.2	906.9	868.7	872.0	882.0
2538.0	37.5°	2509.8	2099.5	1343.7	1106.2	916.9	867.0	853.8	813.9	817.2	828.8
2352.0	40°	2337.0	2006.5	1264.0	1049.7	862.1	812.2	800.6	757.4	760.7	774.0
2169.3	42.5°	2162.6	1905.2	1202.6	976.7	805.6	752.4	740.8	700.9	705.9	720.9
2009.8	45°	2001.5	1783.9	1162.7	895.3	752.4	692.6	681.0	644.5	654.4	671.0
1875.3	47.5°	1863.6	1659.3	1146.1	827.2	696.0	631.2	621.2	591.3	607.9	626.2
1760.7	50°	1745.7	1539.7	1124.5	757.4	642.8	578.0	568.1	548.1	569.7	588.0
1682.6	52.5°	1661.0	1403.5	1078.0	694.3	596.3	533.2	529.9	519.9	539.8	556.4
1624.5	55°	1587.9	1262.4	1003.2	639.5	554.8	495.0	498.3	493.3	509.9	523.2
1589.6	57.5°	1521.5	1139.4	908.6	596.3	509.9	461.8	471.7	465.1	473.4	481.7
1553.0	60°	1441.7	1014.9	795.6	548.1	456.8	428.5	440.2	421.9	420.2	423.6
1486.6	62.5°	1323.8	847.1	677.7	488.3	410.3	392.0	397.0	362.1	335.5	335.5
1388.6	65°	1159.4	681.0	568.1	421.9	357.1	342.2	338.8	289.0	252.5	249.1
1282.3	67.5°	968.4	559.8	471.7	355.5	297.3	287.4	290.7	254.1	217.6	214.3
1176.0	70°	789.0	463.4	380.4	284.0	229.2	239.2	254.1	217.6	182.7	177.7
1051.4	72.5°	641.1	368.7	297.3	217.6	169.4	197.7	215.9	177.7	144.5	141.2
896.9	75°	495.0	270.7	212.6	147.8	122.9	152.8	169.4	129.6	103.0	98.0
694.3	77.5°	330.5	167.8	119.6	93.0	73.1	104.6	112.9	68.1	59.8	58.1
504.9	80°	201.0	78.1	51.5	44.8	24.9	38.2	44.8	28.2	31.6	33.2
269.1	82.5°	101.3	21.6	8.3	1.7	0.0	0.0	13.3	6.6	13.3	16.6
73.1	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°
3338.6	0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2933.3	2.5°	3026.3	3096.1	3162.5	3268.8	3378.5	3486.4	3596.1	3702.4	3740.6	3768.8
2533.0	5°	2677.5	2808.7	2961.6	3172.5	3398.4	3630.9	3866.8	4082.7	4180.7	4247.2
2156.0	7.5°	2317.1	2488.2	2707.4	3024.7	3378.5	3748.9	4119.3	4459.8	4617.6	4745.5
1800.5	10°	1960.0	2146.0	2423.4	2785.5	3263.9	3795.4	4307.0	4775.4	4979.7	5140.8
1544.7	12.5°	1646.0	1820.5	2111.1	2511.4	3084.5	3758.8	4414.9	4978.0	5218.8	5399.9
1362.0	15°	1425.1	1548.0	1805.5	2237.4	2871.9	3640.9	4421.6	5074.3	5338.4	5527.8
1285.6	17.5°	1302.2	1343.7	1511.5	1958.3	2636.0	3486.4	4360.1	5107.6	5389.9	5566.0
1217.5	20°	1235.8	1242.4	1288.9	1596.2	2333.7	3341.9	4302.0	5140.8	5438.1	5585.9
1169.3	22.5°	1182.6	1182.6	1194.3	1305.5	1943.4	3169.2	4283.7	5198.9	5504.5	5595.9
1114.5	25°	1134.5	1134.5	1137.8	1167.7	1539.7	2905.1	4272.1	5288.6	5595.9	5620.8
1059.7	27.5°	1084.6	1086.3	1086.3	1102.9	1240.8	2546.3	4222.3	5404.9	5705.5	5654.0
1006.6	30°	1034.8	1038.1	1038.1	1049.7	1097.9	2126.1	4124.3	5544.4	5848.4	5697.2
953.4	32.5°	985.0	988.3	988.3	998.3	1033.1	1697.5	4001.3	5672.3	5992.9	5715.5
901.9	35°	933.5	938.5	935.1	948.4	985.0	1350.4	3845.2	5800.2	6149.0	5773.6
852.1	37.5°	882.0	885.3	883.6	896.9	938.5	1166.0	3664.2	5896.5	6361.6	5903.2
798.9	40°	830.5	828.8	828.8	843.8	888.6	1112.9	3436.6	6049.3	6667.2	6130.7
745.8	42.5°	777.3	777.3	774.0	790.6	845.4	1073.0	3219.0	6323.4	7112.4	6492.8
696.0	45°	729.2	727.5	720.9	735.8	803.9	1003.2	3142.6	6835.0	7770.1	7079.2
646.1	47.5°	682.7	681.0	664.4	677.7	754.1	940.1	3428.3	7672.1	8682.0	7941.2
606.3	50°	641.1	642.8	611.2	622.9	704.3	892.0	4047.8	8758.4	9892.9	9102.3
573.0	52.5°	602.9	602.9	561.4	568.1	642.8	848.8	4637.5	9936.1	11490.8	10721.7
538.2	55°	564.7	561.4	514.9	518.2	581.3	787.3	4725.5	11085.5	13670.0	13158.4
500.0	57.5°	521.6	514.9	471.7	471.7	524.9	742.5	4096.0	11969.1	16374.1	16739.5
428.5	60°	468.4	463.4	435.2	426.9	480.0	782.3	2890.1	12072.1	18118.1	21501.6
340.5	62.5°	400.3	406.9	392.0	380.4	436.8	812.2	1712.5	11243.3	17696.3	23016.4
264.1	65°	315.6	342.2	338.8	330.5	480.0	684.3	1011.5	9652.0	16402.3	21793.9
230.9	67.5°	269.1	287.4	282.4	282.4	503.3	519.9	636.2	7540.9	14621.7	20343.9
192.7	70°	229.2	247.5	229.2	229.2	380.4	315.6	440.2	5265.4	12700.0	18739.4
154.5	72.5°	189.4	207.6	187.7	174.4	304.0	235.9	322.2	3290.4	10876.2	17068.4
109.6	75°	144.5	166.1	151.2	134.5	201.0	176.1	244.2	1911.8	9010.9	14603.5
66.4	77.5°	91.4	119.6	112.9	94.7	147.8	127.9	176.1	1137.8	6952.9	11411.0
39.9	80°	56.5	61.5	63.1	59.8	84.7	86.4	119.6	647.8	4758.8	7952.8
24.9	82.5°	36.5	36.5	28.2	31.6	41.5	49.8	68.1	244.2	2797.1	4841.8
14.9	85°	26.6	23.3	14.9	14.9	19.9	24.9	26.6	74.7	1134.5	1911.8
6.6	87.5°	13.3	11.6	5.0	6.6	10.0	8.3	6.6	3.3	285.7	611.2
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°
3338.6	0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
3831.9	2.5°	3865.1	3916.6	3920.0	3920.0	3875.1	3873.4	3782.1	3772.1
4396.7	5°	4551.1	4584.3	4592.7	4576.0	4486.4	4419.9	4242.2	4204.0
4973.0	7.5°	5179.0	5245.4	5245.4	5205.6	5059.4	4923.2	4665.7	4569.4
5449.7	10°	5680.6	5757.0	5740.4	5659.0	5474.6	5287.0	4974.7	4848.4
5738.7	12.5°	5924.8	6002.8	5959.7	5866.6	5687.3	5489.6	5160.7	5017.9
5821.8	15°	5919.8	5898.2	5853.3	5841.7	5755.4	5605.9	5298.6	5142.4
5770.3	17.5°	5708.8	5526.1	5491.3	5607.5	5717.1	5680.6	5418.2	5272.0
5647.4	20°	5375.0	5056.1	5024.5	5247.1	5559.4	5718.8	5529.5	5394.9
5469.7	22.5°	5022.9	4679.0	4605.9	4851.8	5321.8	5730.4	5670.6	5536.1
5273.7	25°	4689.0	4343.5	4270.4	4499.6	5057.7	5710.5	5823.5	5708.8
5086.0	27.5°	4409.9	4076.1	4008.0	4237.2	4803.6	5654.0	5976.3	5894.9
4899.9	30°	4194.0	3885.1	3835.2	4056.2	4584.3	5584.3	6170.6	6125.8
4727.2	32.5°	4067.8	3841.9	3860.2	4041.2	4466.4	5507.9	6356.6	6378.2
4642.5	35°	4192.4	4202.3	4361.8	4436.5	4576.0	5496.2	6609.1	6693.8
4743.8	37.5°	4811.9	5157.4	5487.9	5426.5	5112.5	5630.8	6986.1	7143.9
5185.6	40°	5866.6	6575.9	7112.4	6878.2	6087.6	6042.7	7529.3	7765.2
5969.6	42.5°	7155.6	8358.1	9241.8	8613.9	7344.9	6763.6	8305.0	8605.6
6918.0	45°	8515.9	10555.6	11947.5	10642.0	8685.3	7773.5	9479.3	9715.2
7806.7	47.5°	9949.4	13226.5	15027.0	12891.0	9927.8	8922.9	11080.5	11135.3
8648.8	50°	11517.3	16154.8	18166.3	15138.3	11127.0	10240.0	13037.2	12974.0
9630.5	52.5°	13010.6	19166.2	21239.2	17395.6	12180.1	11874.5	15307.7	15178.2
10972.5	55°	14435.7	22176.0	24330.3	19564.9	13173.4	14033.8	18005.2	17221.2
12907.6	57.5°	16088.4	24881.7	27516.1	21744.1	14562.0	16837.5	21021.6	18407.2
16613.3	60°	18531.7	27956.2	31118.8	24730.6	17202.9	19784.1	22102.9	18181.3
21051.5	62.5°	21651.1	30783.2	33738.2	27657.2	19855.5	20338.9	20510.0	16440.5
20146.2	65°	22257.3	31499.1	33886.0	28439.6	19513.4	17252.8	16744.5	13214.9
17995.2	67.5°	20649.5	30205.2	31819.7	26982.9	17261.1	13332.8	12565.4	9587.3
16583.4	70°	18845.7	27738.6	28218.7	24506.3	15181.5	9806.5	8486.0	6152.3
15616.7	72.5°	16997.0	24448.2	23454.9	21282.3	13342.8	7140.6	6120.8	4373.4
14239.7	75°	14801.1	20121.3	18475.3	17683.0	11047.3	5604.2	4428.2	3018.0
12248.2	77.5°	11852.9	14163.3	13723.1	13706.5	8301.7	4094.4	2954.9	1891.9
9569.0	80°	8361.5	9192.0	8967.7	10323.1	5569.3	2969.9	1778.9	1053.1
6660.6	82.5°	4047.8	5082.6	5217.2	6147.3	2709.1	1747.4	410.3	229.2
2604.4	85°	1584.6	2451.6	2067.9	2333.7	760.7	486.7	10.0	0.0
428.5	87.5°	177.7	284.0	260.8	206.0	93.0	19.9	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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