

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: P952128

Luminaire Tested: **GALN-SB6A-827-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952128
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-SB6A-827-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA 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: 18052 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

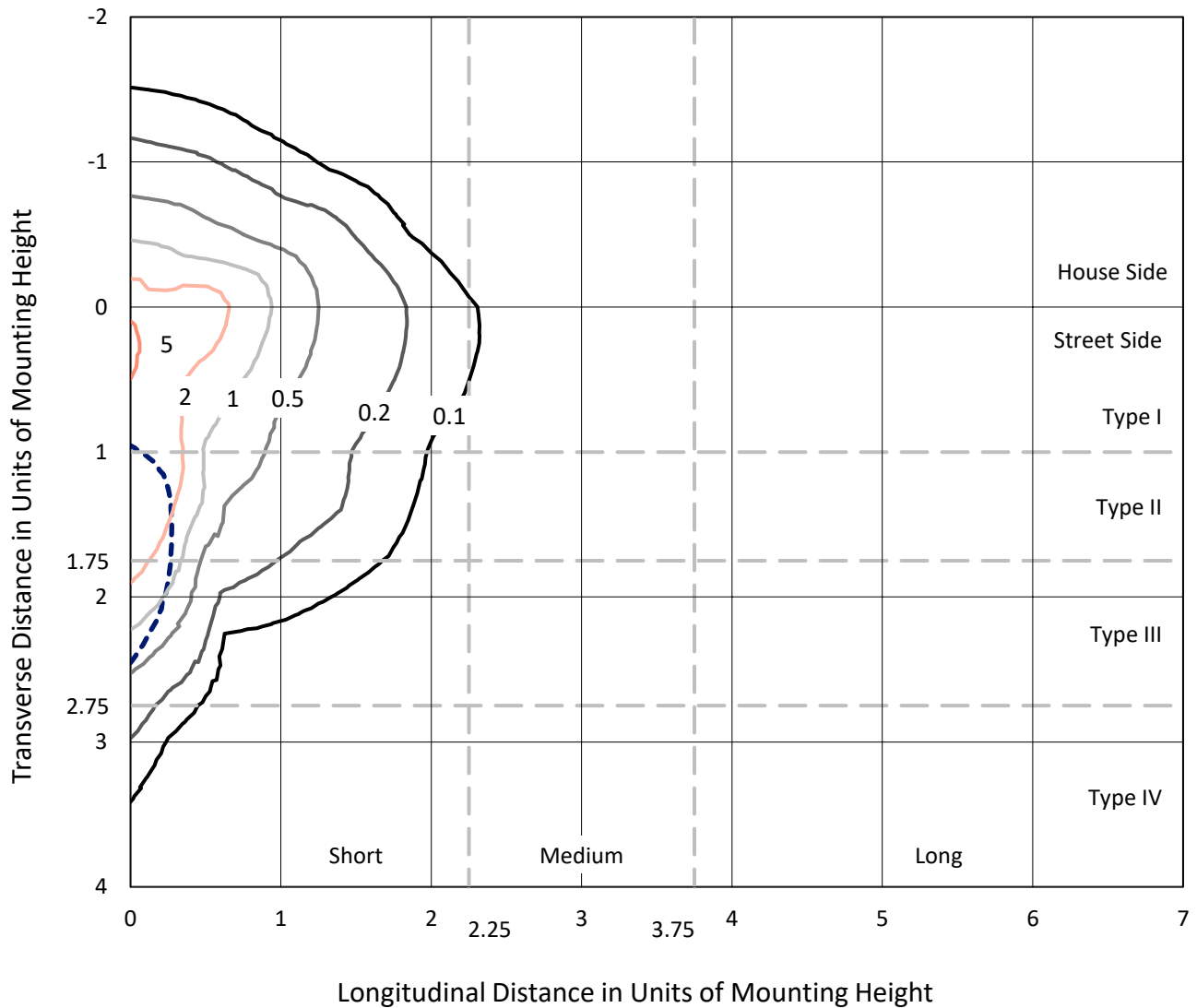
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

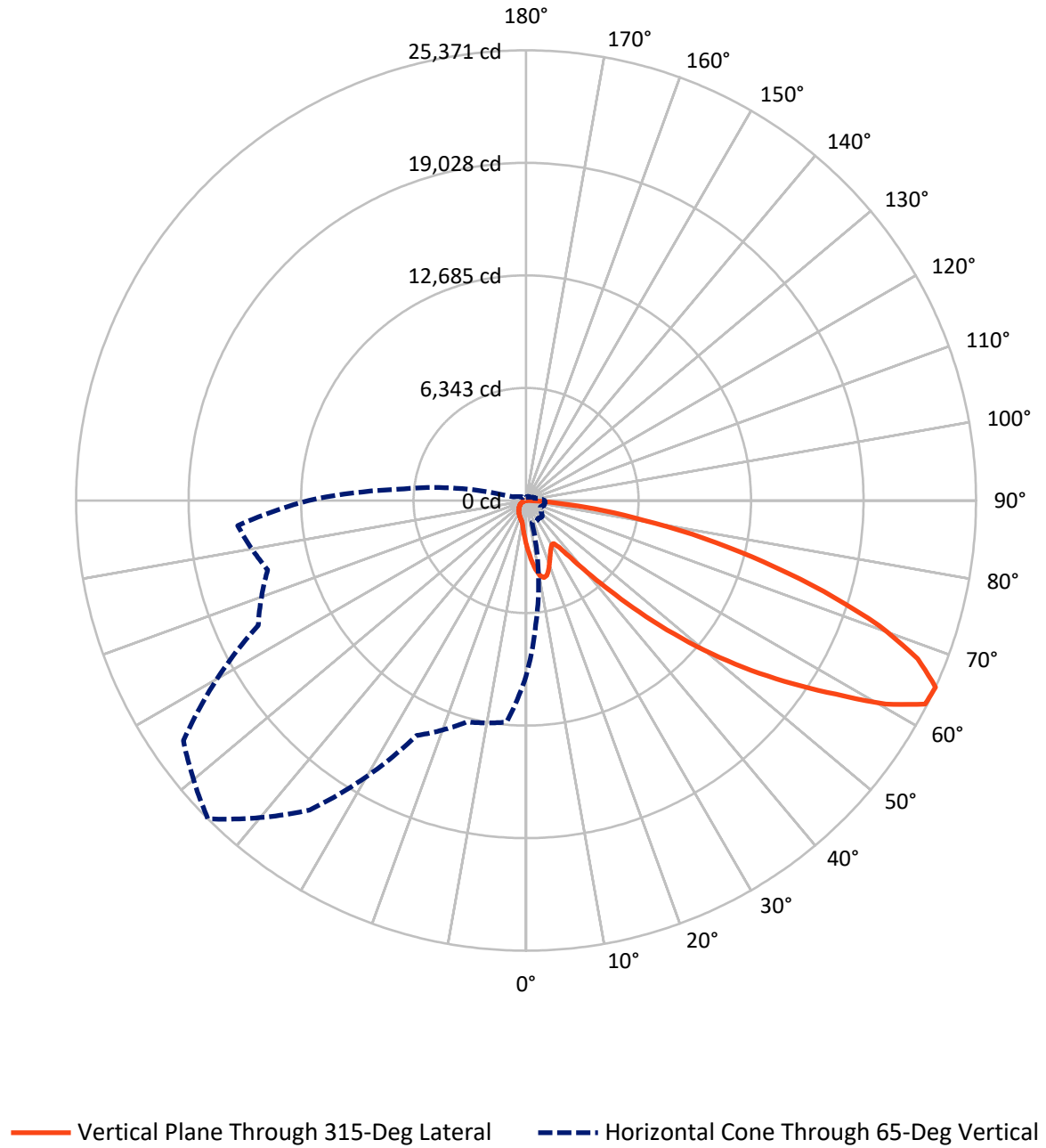
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2528.0	0.0	2528.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	15524.0	0.0	15524.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	18052.0	0.0	18052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	1.4
10°-20°	737.7	4.1
20°-30°	1086.8	6.0
30°-40°	1396.3	7.7
40°-50°	2258.2	12.5
50°-60°	3959.9	21.9
60°-70°	4955.0	27.4
70°-80°	2895.4	16.0
80°-90°	516.6	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°	18052.0	100.0
0°-180°	18052.0	100.0

Coefficient of Utilization



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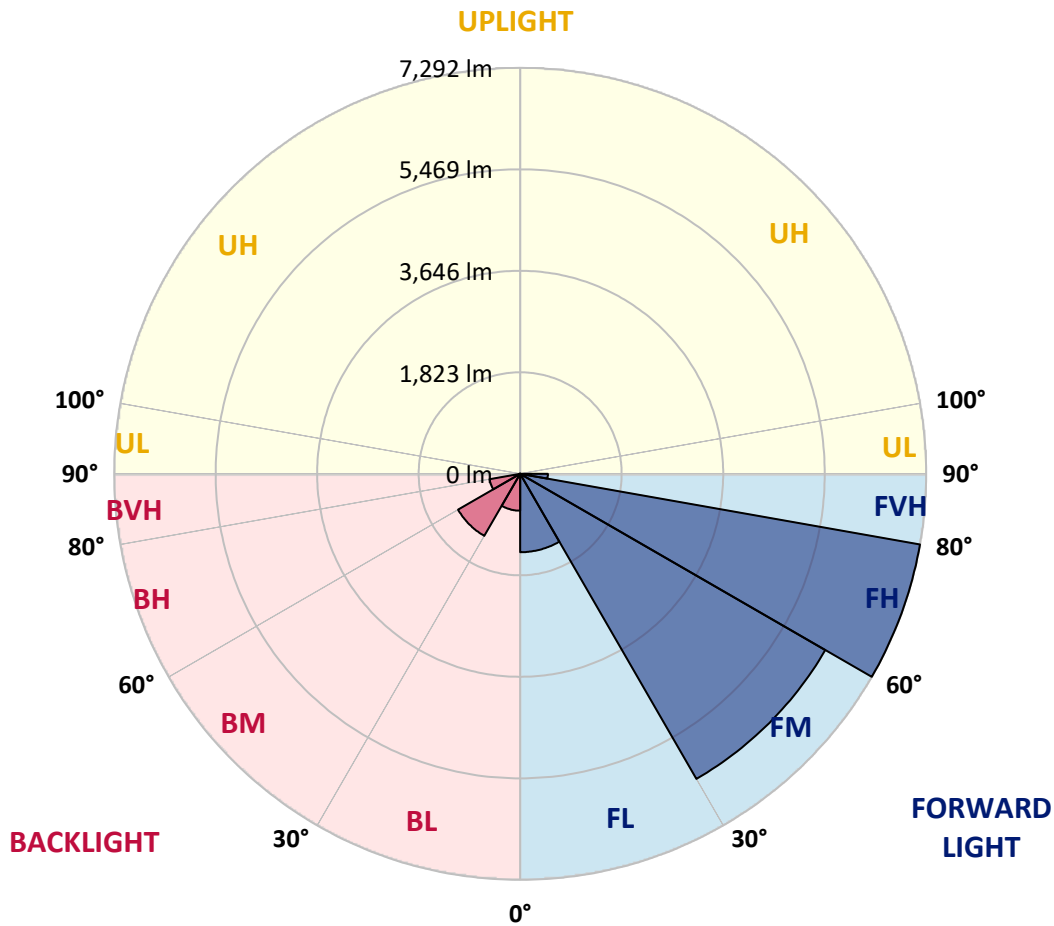
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.0	7.8			
FM (30°-60°)	6327.0	35.0			
FH (60°-80°)	7292.2	40.4			G3/7500
FVH (80°-90°)	496.7	2.8			G3/500
BL (0°-30°)	662.6	3.7	B2/1000		
BM (30°-60°)	1287.3	7.1	B2/2500		
BH (60°-80°)	558.2	3.1	B2/1000		G2/1000
BVH (80°-90°)	19.8	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2.5°	2824.2	2775.7	2747.1	2676.2	2605.3	2548.1	2471.0	2420.0	2359.1	2300.6
5°	3147.5	3069.2	2974.7	2845.3	2727.2	2606.6	2489.7	2374.0	2252.1	2140.2
7.5°	3421.1	3308.0	3141.3	2969.7	2819.2	2673.7	2536.9	2384.0	2236.0	2060.6
10°	3630.1	3485.8	3266.9	3041.8	2869.0	2722.2	2589.2	2459.8	2310.6	2099.2
12.5°	3756.9	3602.7	3342.8	3079.1	2881.4	2717.3	2614.0	2556.8	2498.4	2288.2
15°	3850.2	3683.5	3396.3	3105.3	2852.8	2651.3	2575.5	2632.7	2699.8	2565.5
17.5°	3947.2	3771.8	3465.9	3116.4	2775.7	2523.3	2490.9	2638.9	2794.4	2788.1
20°	4039.2	3865.1	3526.8	3109.0	2651.3	2367.8	2396.4	2585.4	2765.8	2841.6
22.5°	4144.9	3960.8	3585.3	3080.4	2489.7	2222.3	2311.8	2500.9	2658.8	2748.3
25°	4274.2	4081.5	3667.4	3038.1	2315.6	2101.7	2226.0	2402.6	2530.7	2592.9
27.5°	4413.5	4225.7	3776.8	3015.7	2175.0	2015.9	2129.0	2285.7	2400.1	2443.7
30°	4586.4	4393.6	3906.1	2990.8	2083.0	1966.1	2028.3	2150.2	2262.1	2305.6
32.5°	4775.4	4580.2	4030.5	2931.2	2027.1	1928.8	1930.1	2007.2	2109.1	2161.4
35°	5011.7	4804.0	4163.6	2800.6	1982.3	1885.3	1834.3	1871.6	1956.2	2018.4
37.5°	5348.7	5097.5	4326.5	2614.0	1916.4	1818.1	1733.6	1742.3	1806.9	1875.3
40°	5813.8	5491.7	4518.0	2420.0	1821.9	1723.6	1622.9	1619.2	1666.4	1733.6
42.5°	6443.1	6012.8	4748.0	2234.7	1731.1	1609.2	1506.0	1499.8	1537.1	1595.5
45°	7273.8	6679.3	5030.3	2075.6	1660.2	1497.3	1395.3	1392.8	1423.9	1474.9
47.5°	8337.1	7605.8	5312.6	1967.4	1622.9	1409.0	1304.5	1309.5	1336.9	1382.9
50°	9713.7	8813.4	5398.4	1912.6	1622.9	1361.7	1223.7	1248.6	1271.0	1305.8
52.5°	11364.0	9972.4	5114.9	1862.9	1632.8	1368.0	1155.3	1208.8	1224.9	1254.8
55°	12893.6	10540.7	4397.3	1794.5	1635.3	1406.5	1096.9	1176.4	1206.3	1217.5
57.5°	13781.5	10345.5	3555.4	1678.9	1625.4	1432.6	1059.5	1136.6	1193.9	1201.3
60°	13612.4	9660.2	2617.8	1590.6	1552.0	1422.7	1048.3	1075.7	1166.5	1177.7
62.5°	12309.1	8511.2	1816.9	1522.2	1390.3	1379.1	1044.6	980.0	1106.8	1134.2
65°	9894.0	6700.5	1283.4	1310.7	1218.7	1284.6	1024.7	880.5	1034.7	1072.0
67.5°	7178.0	4534.1	926.5	1062.0	1104.3	1131.7	980.0	808.3	952.6	1002.3
70°	4606.3	2448.6	650.4	701.4	930.2	961.3	902.8	743.7	869.3	926.5
72.5°	3274.4	1446.3	467.6	491.2	747.4	800.9	794.7	671.5	772.3	841.9
75°	2259.6	797.1	315.9	350.7	542.2	650.4	613.1	577.0	654.1	725.0
77.5°	1416.5	356.9	189.0	243.7	355.7	511.1	420.3	446.5	509.9	575.8
80°	788.4	138.0	105.7	161.7	194.0	371.8	232.6	287.3	375.6	422.8
82.5°	171.6	17.4	47.3	69.6	75.9	216.4	123.1	166.6	236.3	232.6
85°	0.0	0.0	8.7	9.9	5.0	93.3	44.8	54.7	77.1	72.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2248.4	2.5°	2238.5	2177.5	2132.8	2110.4	2091.7	2109.1	2119.1	2119.1	2161.4	2186.2
2071.8	5°	2028.3	1918.9	1835.5	1779.6	1746.0	1757.2	1769.6	1783.3	1836.8	1872.9
1967.4	7.5°	1882.8	1714.9	1588.1	1509.7	1468.7	1474.9	1483.6	1494.8	1547.0	1583.1
1982.3	10°	1855.4	1614.2	1435.1	1331.9	1282.1	1273.4	1268.5	1264.7	1295.8	1323.2
2151.4	12.5°	1967.4	1619.2	1369.2	1243.6	1182.7	1156.5	1126.7	1103.1	1108.0	1125.5
2407.6	15°	2167.6	1682.6	1348.1	1197.6	1121.7	1078.2	1043.4	1014.8	1008.6	1014.8
2631.4	17.5°	2396.4	1768.4	1345.6	1157.8	1063.3	1018.5	989.9	963.8	955.1	956.3
2757.0	20°	2548.1	1836.8	1338.1	1113.0	1007.3	967.5	942.6	916.5	907.8	910.3
2722.2	22.5°	2563.0	1872.9	1326.9	1063.3	951.3	917.8	892.9	869.3	868.0	868.0
2591.7	25°	2482.2	1872.9	1303.3	1018.5	897.9	868.0	845.6	817.0	822.0	824.5
2443.7	27.5°	2356.6	1828.1	1258.5	982.4	851.9	820.8	798.4	772.3	778.5	782.2
2305.6	30°	2232.3	1770.9	1205.0	941.4	808.3	772.3	756.1	733.7	736.2	741.2
2168.8	32.5°	2116.6	1709.9	1141.6	907.8	764.8	728.7	716.3	691.4	695.2	700.1
2034.5	35°	2002.2	1642.8	1067.0	868.0	725.0	689.0	679.0	650.4	652.9	660.3
1900.2	37.5°	1879.1	1571.9	1006.1	828.2	686.5	649.2	639.2	609.4	611.8	620.6
1760.9	40°	1749.7	1502.3	946.4	786.0	645.4	608.1	599.4	567.1	569.6	579.5
1624.1	42.5°	1619.2	1426.4	900.4	731.2	603.1	563.3	554.6	524.8	528.5	539.7
1504.7	45°	1498.5	1335.6	870.5	670.3	563.3	518.6	509.9	482.5	490.0	502.4
1404.0	47.5°	1395.3	1242.4	858.1	619.3	521.1	472.6	465.1	442.7	455.2	468.8
1318.2	50°	1307.0	1152.8	841.9	567.1	481.3	432.8	425.3	410.4	426.6	440.2
1259.8	52.5°	1243.6	1050.8	807.1	519.8	446.5	399.2	396.7	389.2	404.2	416.6
1216.2	55°	1188.9	945.1	751.1	478.8	415.4	370.6	373.1	369.3	381.8	391.7
1190.1	57.5°	1139.1	853.1	680.2	446.5	381.8	345.7	353.2	348.2	354.4	360.6
1162.8	60°	1079.4	759.8	595.7	410.4	342.0	320.8	329.6	315.9	314.6	317.1
1113.0	62.5°	991.1	634.2	507.4	365.6	307.2	293.5	297.2	271.1	251.2	251.2
1039.6	65°	868.0	509.9	425.3	315.9	267.4	256.2	253.7	216.4	189.0	186.5
960.1	67.5°	725.0	419.1	353.2	266.1	222.6	215.1	217.6	190.3	162.9	160.4
880.5	70°	590.7	347.0	284.8	212.7	171.6	179.1	190.3	162.9	136.8	133.1
787.2	72.5°	480.0	276.1	222.6	162.9	126.8	148.0	161.7	133.1	108.2	105.7
671.5	75°	370.6	202.7	159.2	110.7	92.0	114.4	126.8	97.0	77.1	73.4
519.8	77.5°	247.5	125.6	89.5	69.6	54.7	78.3	84.6	51.0	44.8	43.5
378.1	80°	150.5	58.4	38.6	33.6	18.7	28.6	33.6	21.1	23.6	24.9
201.5	82.5°	75.9	16.2	6.2	1.2	0.0	0.0	9.9	5.0	9.9	12.4
54.7	85°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2
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°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2196.2	2.5°	2265.8	2318.1	2367.8	2447.4	2529.5	2610.3	2692.4	2772.0	2800.6	2821.7
1896.5	5°	2004.7	2102.9	2217.3	2375.3	2544.4	2718.5	2895.1	3056.8	3130.1	3179.9
1614.2	7.5°	1734.8	1862.9	2027.1	2264.6	2529.5	2806.8	3084.1	3339.1	3457.2	3552.9
1348.1	10°	1467.4	1606.7	1814.4	2085.5	2443.7	2841.6	3224.6	3575.3	3728.3	3848.9
1156.5	12.5°	1232.4	1363.0	1580.6	1880.3	2309.4	2814.3	3305.5	3727.1	3907.4	4042.9
1019.7	15°	1067.0	1159.0	1351.8	1675.1	2150.2	2726.0	3310.4	3799.2	3996.9	4138.7
962.5	17.5°	975.0	1006.1	1131.7	1466.2	1973.6	2610.3	3264.4	3824.1	4035.5	4167.3
911.6	20°	925.2	930.2	965.0	1195.1	1747.2	2502.1	3220.9	3848.9	4071.5	4182.2
875.5	22.5°	885.4	885.4	894.1	977.5	1455.0	2372.8	3207.2	3892.4	4121.3	4189.7
834.5	25°	849.4	849.4	851.9	874.2	1152.8	2175.0	3198.5	3959.6	4189.7	4208.3
793.4	27.5°	812.1	813.3	813.3	825.7	929.0	1906.4	3161.2	4046.7	4271.7	4233.2
753.6	30°	774.8	777.2	777.2	786.0	822.0	1591.8	3087.8	4151.1	4378.7	4265.5
713.8	32.5°	737.5	739.9	739.9	747.4	773.5	1271.0	2995.8	4246.9	4486.9	4279.2
675.3	35°	698.9	702.6	700.1	710.1	737.5	1011.0	2878.9	4342.6	4603.8	4322.7
638.0	37.5°	660.3	662.8	661.6	671.5	702.6	873.0	2743.4	4414.8	4763.0	4419.7
598.2	40°	621.8	620.6	620.6	631.7	665.3	833.2	2573.0	4529.2	4991.8	4590.1
558.4	42.5°	582.0	582.0	579.5	592.0	633.0	803.4	2410.1	4734.4	5325.1	4861.2
521.1	45°	545.9	544.7	539.7	550.9	601.9	751.1	2352.9	5117.4	5817.5	5300.2
483.8	47.5°	511.1	509.9	497.4	507.4	564.6	703.9	2566.8	5744.2	6500.3	5945.6
453.9	50°	480.0	481.3	457.6	466.3	527.3	667.8	3030.6	6557.5	7406.8	6814.9
429.0	52.5°	451.4	451.4	420.3	425.3	481.3	635.5	3472.1	7439.2	8603.2	8027.4
402.9	55°	422.8	420.3	385.5	388.0	435.3	589.5	3538.0	8299.7	10234.8	9851.8
374.3	57.5°	390.5	385.5	353.2	353.2	393.0	555.9	3066.7	8961.3	12259.4	12532.9
320.8	60°	350.7	347.0	325.8	319.6	359.4	585.7	2163.9	9038.4	13565.1	16098.3
254.9	62.5°	299.7	304.7	293.5	284.8	327.1	608.1	1282.1	8417.9	13249.3	17232.5
197.7	65°	236.3	256.2	253.7	247.5	359.4	512.4	757.3	7226.5	12280.5	16317.2
172.9	67.5°	201.5	215.1	211.4	211.4	376.8	389.2	476.3	5645.9	10947.4	15231.5
144.3	70°	171.6	185.3	171.6	171.6	284.8	236.3	329.6	3942.2	9508.5	14030.2
115.7	72.5°	141.8	155.4	140.5	130.6	227.6	176.6	241.3	2463.6	8143.1	12779.2
82.1	75°	108.2	124.4	113.2	100.7	150.5	131.8	182.8	1431.4	6746.5	10933.7
49.7	77.5°	68.4	89.5	84.6	70.9	110.7	95.8	131.8	851.9	5205.7	8543.5
29.8	80°	42.3	46.0	47.3	44.8	63.4	64.7	89.5	485.0	3562.9	5954.3
18.7	82.5°	27.4	27.4	21.1	23.6	31.1	37.3	51.0	182.8	2094.2	3625.1
11.2	85°	19.9	17.4	11.2	11.2	14.9	18.7	19.9	56.0	849.4	1431.4
5.0	87.5°	9.9	8.7	3.7	5.0	7.5	6.2	5.0	2.5	213.9	457.6
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°
2499.6	0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2869.0	2.5°	2893.8	2932.4	2934.9	2934.9	2901.3	2900.1	2831.7	2824.2
3291.8	5°	3407.4	3432.3	3438.5	3426.1	3358.9	3309.2	3176.1	3147.5
3723.3	7.5°	3877.5	3927.3	3927.3	3897.4	3788.0	3686.0	3493.3	3421.1
4080.2	10°	4253.1	4310.3	4297.9	4236.9	4098.9	3958.4	3724.6	3630.1
4296.6	12.5°	4435.9	4494.3	4462.0	4392.4	4258.1	4110.1	3863.8	3756.9
4358.8	15°	4432.2	4416.0	4382.4	4373.7	4309.1	4197.1	3967.1	3850.2
4320.2	17.5°	4274.2	4137.4	4111.3	4198.4	4280.5	4253.1	4056.6	3947.2
4228.2	20°	4024.3	3785.5	3761.9	3928.5	4162.3	4281.7	4139.9	4039.2
4095.2	22.5°	3760.6	3503.2	3448.5	3632.5	3984.5	4290.4	4245.6	4144.9
3948.4	25°	3510.7	3252.0	3197.3	3368.9	3786.7	4275.5	4360.0	4274.2
3807.9	27.5°	3301.7	3051.8	3000.8	3172.4	3596.5	4233.2	4474.5	4413.5
3668.6	30°	3140.1	2908.8	2871.5	3036.9	3432.3	4181.0	4620.0	4586.4
3539.3	32.5°	3045.6	2876.4	2890.1	3025.7	3344.0	4123.8	4759.2	4775.4
3475.8	35°	3138.8	3146.3	3265.7	3321.6	3426.1	4115.1	4948.3	5011.7
3551.7	37.5°	3602.7	3861.4	4108.8	4062.8	3827.8	4215.8	5230.6	5348.7
3882.5	40°	4392.4	4923.4	5325.1	5149.7	4557.8	4524.2	5637.2	5813.8
4469.5	42.5°	5357.4	6257.8	6919.4	6449.3	5499.2	5063.9	6218.0	6443.1
5179.6	45°	6375.9	7903.0	8945.2	7967.7	6502.8	5820.0	7097.2	7273.8
5844.9	47.5°	7449.1	9902.7	11250.8	9651.5	7433.0	6680.6	8296.0	8337.1
6475.4	50°	8623.1	12095.2	13601.2	11334.1	8330.8	7666.8	9761.0	9713.7
7210.4	52.5°	9741.1	14349.8	15901.8	13024.2	9119.3	8890.5	11461.0	11364.0
8215.2	55°	10808.1	16603.2	18216.2	14648.3	9862.9	10507.1	13480.6	12893.6
9664.0	57.5°	12045.5	18629.0	20601.4	16279.9	10902.6	12606.3	15738.9	13781.5
12438.4	60°	13874.8	20930.9	23298.7	18515.9	12879.9	14812.5	16548.5	13612.4
15761.3	62.5°	16210.3	23047.5	25259.9	20707.1	14865.9	15227.8	15355.9	12309.1
15083.6	65°	16664.2	23583.5	25370.6	21292.8	14609.7	12917.2	12536.7	9894.0
13473.1	67.5°	15460.4	22614.8	23823.5	20202.2	12923.4	9982.3	9407.8	7178.0
12416.0	70°	14109.8	20768.0	21127.4	18348.0	11366.5	7342.2	6353.5	4606.3
11692.3	72.5°	12725.7	18304.5	17560.8	15934.2	9989.8	5346.2	4582.6	3274.4
10661.3	75°	11081.7	15064.9	13832.5	13239.3	8271.1	4195.9	3315.4	2259.6
9170.3	77.5°	8874.3	10604.1	10274.6	10262.1	6215.5	3065.5	2212.4	1416.5
7164.3	80°	6260.3	6882.1	6714.2	7728.9	4169.8	2223.5	1331.9	788.4
4986.8	82.5°	3030.6	3805.4	3906.1	4602.5	2028.3	1308.3	307.2	171.6
1950.0	85°	1186.4	1835.5	1548.3	1747.2	569.6	364.4	7.5	0.0
320.8	87.5°	133.1	212.7	195.2	154.2	69.6	14.9	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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