

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: P949020

Luminaire Tested: **GALN-SB3D-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949020
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-SB3D-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 14184 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

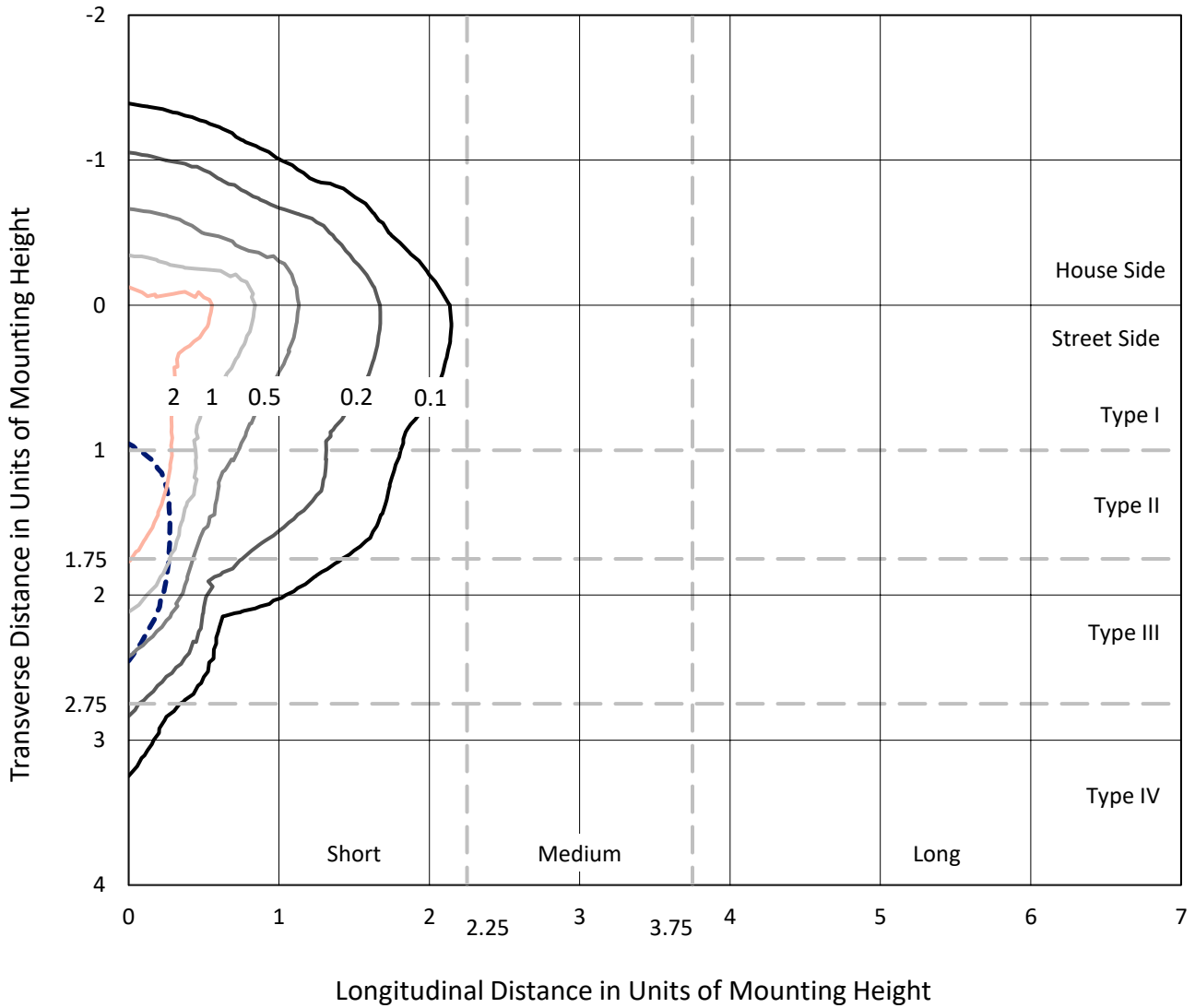
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

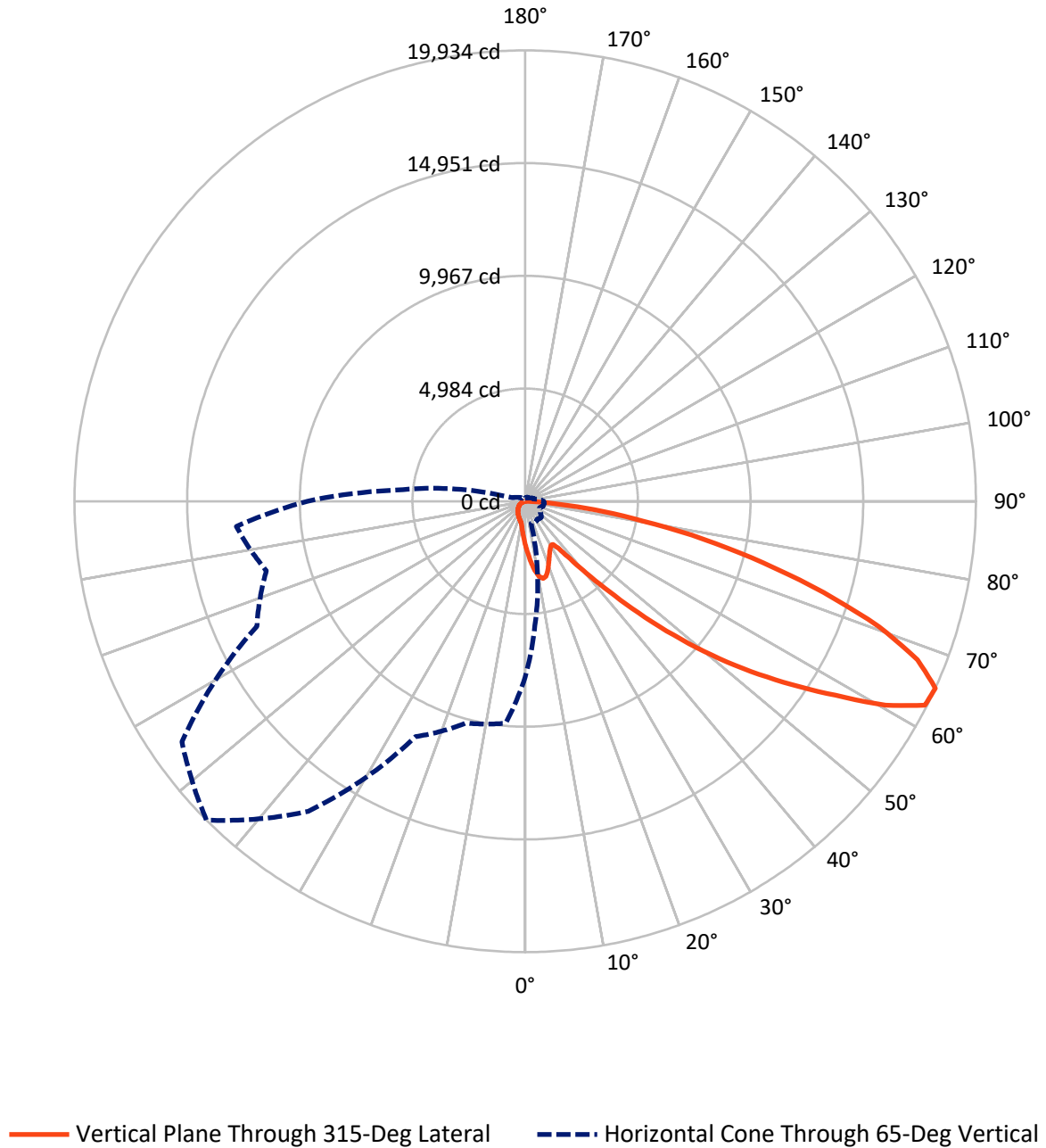
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	1986.4	0.0	1986.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12197.6	0.0	12197.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	14184.0	0.0	14184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.4	1.4
10°-20°	579.7	4.1
20°-30°	853.9	6.0
30°-40°	1097.1	7.7
40°-50°	1774.3	12.5
50°-60°	3111.4	21.9
60°-70°	3893.3	27.4
70°-80°	2275.0	16.0
80°-90°	405.9	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°	14184.0	100.0
0°-180°	14184.0	100.0

Coefficient of Utilization



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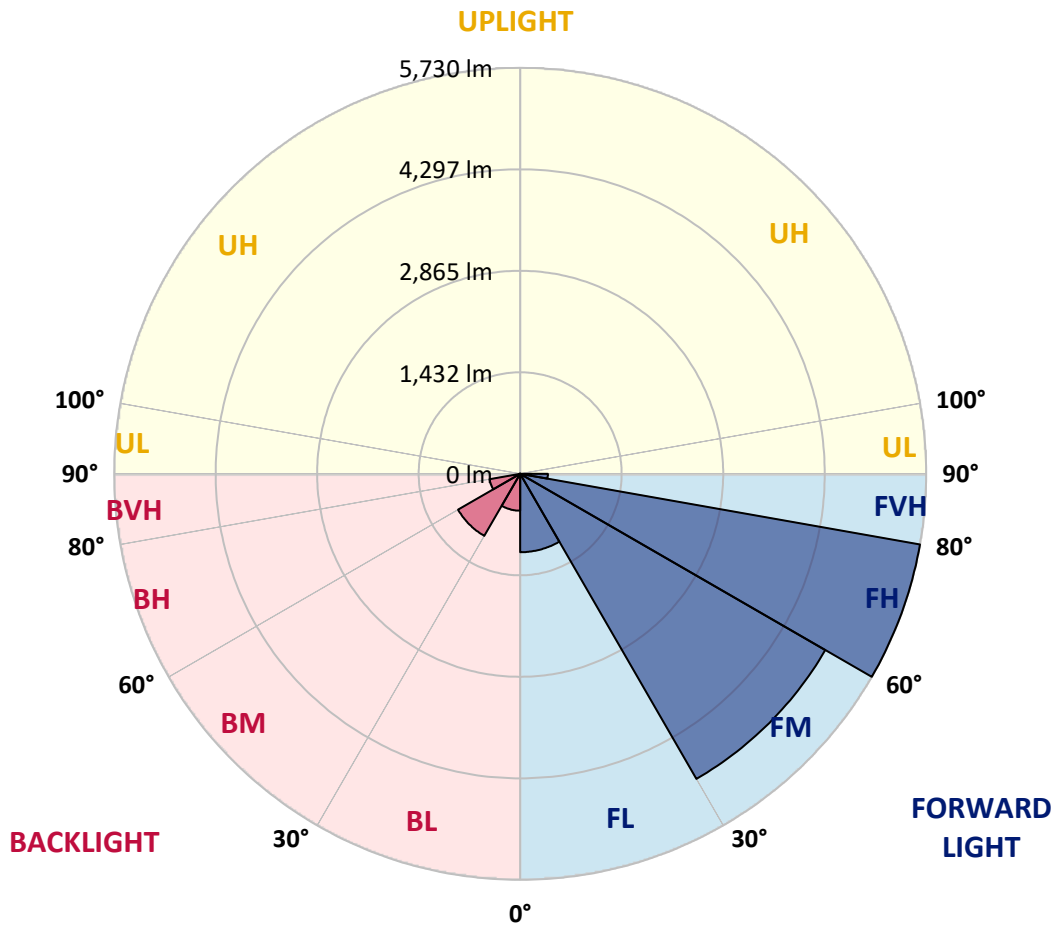
CATALOG NUMBER: GALN-SB3D-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1106.3	7.8			
FM (30°-60°)	4971.3	35.0			
FH (60°-80°)	5729.7	40.4			G3/7500
FVH (80°-90°)	390.3	2.8			G3/500
BL (0°-30°)	520.7	3.7	B2/1000		
BM (30°-60°)	1011.5	7.1	B2/2500		
BH (60°-80°)	438.6	3.1	B1/500		G1/500
BVH (80°-90°)	15.6	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
2.5°	2219.1	2181.0	2158.5	2102.8	2047.1	2002.1	1941.6	1901.5	1853.6	1807.7
5°	2473.1	2411.6	2337.3	2235.7	2142.8	2048.1	1956.2	1865.3	1769.6	1681.6
7.5°	2688.1	2599.2	2468.2	2333.4	2215.2	2100.8	1993.3	1873.2	1756.9	1619.1
10°	2852.2	2738.9	2566.9	2390.1	2254.2	2138.9	2034.4	1932.8	1815.5	1649.4
12.5°	2951.9	2830.7	2626.5	2419.4	2264.0	2135.0	2053.9	2009.0	1963.1	1797.9
15°	3025.2	2894.3	2668.5	2439.9	2241.5	2083.2	2023.6	2068.6	2121.3	2015.8
17.5°	3101.4	2963.6	2723.3	2448.7	2181.0	1982.6	1957.2	2073.5	2195.6	2190.7
20°	3173.7	3036.9	2771.1	2442.8	2083.2	1860.5	1882.9	2031.5	2173.1	2232.7
22.5°	3256.8	3112.2	2817.1	2420.3	1956.2	1746.1	1816.5	1965.0	2089.1	2159.5
25°	3358.4	3206.9	2881.6	2387.1	1819.4	1651.3	1749.1	1887.8	1988.5	2037.3
27.5°	3467.8	3320.3	2967.5	2369.5	1709.0	1583.9	1672.8	1796.0	1885.9	1920.1
30°	3603.7	3452.2	3069.2	2350.0	1636.7	1544.8	1593.7	1689.5	1777.4	1811.6
32.5°	3752.2	3598.8	3166.9	2303.1	1592.7	1515.5	1516.5	1577.1	1657.2	1698.3
35°	3937.8	3774.7	3271.4	2200.5	1557.5	1481.3	1441.3	1470.6	1537.0	1585.9
37.5°	4202.6	4005.3	3399.4	2053.9	1505.8	1428.6	1362.1	1369.0	1419.8	1473.5
40°	4568.1	4315.0	3549.9	1901.5	1431.5	1354.3	1275.2	1272.2	1309.4	1362.1
42.5°	5062.5	4724.4	3730.7	1755.9	1360.2	1264.4	1183.3	1178.4	1207.7	1253.7
45°	5715.2	5248.2	3952.5	1630.8	1304.5	1176.5	1096.3	1094.4	1118.8	1158.9
47.5°	6550.7	5976.1	4174.3	1545.8	1275.2	1107.1	1025.0	1028.9	1050.4	1086.6
50°	7632.4	6924.9	4241.7	1502.8	1275.2	1070.0	961.5	981.0	998.6	1026.0
52.5°	8929.0	7835.6	4018.9	1463.7	1283.0	1074.8	907.8	949.8	962.5	985.9
55°	10130.9	8282.1	3455.1	1410.0	1284.9	1105.1	861.8	924.4	947.8	956.6
57.5°	10828.5	8128.7	2793.6	1319.1	1277.1	1125.7	832.5	893.1	938.0	943.9
60°	10695.7	7590.3	2056.9	1249.7	1219.5	1117.8	823.7	845.2	916.5	925.3
62.5°	9671.6	6687.5	1427.6	1196.0	1092.4	1083.6	820.8	770.0	869.6	891.1
65°	7774.0	5264.8	1008.4	1029.9	957.6	1009.4	805.2	691.8	813.0	842.3
67.5°	5640.0	3562.6	728.0	834.5	867.7	889.2	770.0	635.1	748.5	787.6
70°	3619.3	1924.0	511.0	551.1	730.9	755.3	709.4	584.3	683.0	728.0
72.5°	2572.8	1136.4	367.4	386.0	587.3	629.3	624.4	527.6	606.8	661.5
75°	1775.4	626.3	248.2	275.6	426.0	511.0	481.7	453.4	514.0	569.7
77.5°	1113.0	280.4	148.5	191.5	279.5	401.6	330.3	350.8	400.6	452.4
80°	619.5	108.5	83.1	127.0	152.4	292.2	182.7	225.7	295.1	332.2
82.5°	134.8	13.7	37.1	54.7	59.6	170.0	96.7	130.9	185.7	182.7
85°	0.0	0.0	6.8	7.8	3.9	73.3	35.2	43.0	60.6	56.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
1766.7	2.5°	1758.8	1711.0	1675.8	1658.2	1643.5	1657.2	1665.0	1665.0	1698.3	1717.8
1627.9	5°	1593.7	1507.7	1442.2	1398.3	1371.9	1380.7	1390.5	1401.2	1443.2	1471.6
1545.8	7.5°	1479.4	1347.5	1247.8	1186.2	1154.0	1158.9	1165.7	1174.5	1215.5	1243.9
1557.5	10°	1457.9	1268.3	1127.6	1046.5	1007.4	1000.6	996.7	993.7	1018.2	1039.7
1690.4	12.5°	1545.8	1272.2	1075.8	977.1	929.3	908.7	885.3	866.7	870.6	884.3
1891.7	15°	1703.1	1322.1	1059.2	941.0	881.4	847.2	819.8	797.3	792.5	797.3
2067.6	17.5°	1882.9	1389.5	1057.3	909.7	835.4	800.3	777.8	757.3	750.4	751.4
2166.3	20°	2002.1	1443.2	1051.4	874.5	791.5	760.2	740.7	720.1	713.3	715.3
2138.9	22.5°	2013.9	1471.6	1042.6	835.4	747.5	721.1	701.6	683.0	682.0	682.0
2036.3	25°	1950.4	1471.6	1024.0	800.3	705.5	682.0	664.4	642.0	645.9	647.8
1920.1	27.5°	1851.7	1436.4	988.9	771.9	669.3	644.9	627.3	606.8	611.7	614.6
1811.6	30°	1753.9	1391.4	946.8	739.7	635.1	606.8	594.1	576.5	578.5	582.4
1704.1	32.5°	1663.1	1343.6	897.0	713.3	600.9	572.6	562.8	543.3	546.2	550.1
1598.6	35°	1573.2	1290.8	838.4	682.0	569.7	541.3	533.5	511.0	513.0	518.9
1493.1	37.5°	1476.4	1235.1	790.5	650.8	539.4	510.1	502.2	478.8	480.7	487.6
1383.6	40°	1374.8	1180.4	743.6	617.5	507.1	477.8	471.0	445.6	447.5	455.3
1276.1	42.5°	1272.2	1120.8	707.4	574.6	473.9	442.6	435.8	412.3	415.3	424.1
1182.3	45°	1177.4	1049.4	684.0	526.7	442.6	407.5	400.6	379.1	385.0	394.8
1103.2	47.5°	1096.3	976.2	674.2	486.6	409.4	371.3	365.4	347.9	357.6	368.4
1035.8	50°	1027.0	905.8	661.5	445.6	378.1	340.0	334.2	322.5	335.2	345.9
989.8	52.5°	977.1	825.7	634.2	408.4	350.8	313.7	311.7	305.8	317.6	327.3
955.6	55°	934.1	742.6	590.2	376.2	326.4	291.2	293.1	290.2	300.0	307.8
935.1	57.5°	895.1	670.3	534.5	350.8	300.0	271.6	277.5	273.6	278.5	283.4
913.6	60°	848.1	597.0	468.0	322.5	268.7	252.1	258.9	248.2	247.2	249.2
874.5	62.5°	778.8	498.3	398.7	287.3	241.4	230.6	233.5	213.0	197.4	197.4
816.9	65°	682.0	400.6	334.2	248.2	210.1	201.3	199.3	170.0	148.5	146.6
754.3	67.5°	569.7	329.3	277.5	209.1	174.9	169.0	171.0	149.5	128.0	126.0
691.8	70°	464.1	272.6	223.8	167.1	134.8	140.7	149.5	128.0	107.5	104.6
618.5	72.5°	377.2	216.9	174.9	128.0	99.7	116.3	127.0	104.6	85.0	83.1
527.6	75°	291.2	159.3	125.1	87.0	72.3	89.9	99.7	76.2	60.6	57.7
408.4	77.5°	194.4	98.7	70.4	54.7	43.0	61.6	66.4	40.1	35.2	34.2
297.0	80°	118.2	45.9	30.3	26.4	14.7	22.5	26.4	16.6	18.6	19.5
158.3	82.5°	59.6	12.7	4.9	1.0	0.0	0.0	7.8	3.9	7.8	9.8
43.0	85°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9
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°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
1725.6	2.5°	1780.3	1821.4	1860.5	1923.0	1987.5	2051.0	2115.5	2178.0	2200.5	2217.1
1490.1	5°	1575.1	1652.3	1742.2	1866.3	1999.2	2136.0	2274.8	2401.8	2459.4	2498.5
1268.3	7.5°	1363.1	1463.7	1592.7	1779.4	1987.5	2205.4	2423.3	2623.6	2716.4	2791.7
1059.2	10°	1153.0	1262.5	1425.6	1638.6	1920.1	2232.7	2533.7	2809.2	2929.4	3024.2
908.7	12.5°	968.3	1070.9	1241.9	1477.4	1814.5	2211.2	2597.2	2928.5	3070.1	3176.6
801.2	15°	838.4	910.7	1062.1	1316.2	1689.5	2141.9	2601.1	2985.1	3140.5	3251.9
756.3	17.5°	766.1	790.5	889.2	1152.0	1550.7	2051.0	2565.0	3004.7	3170.8	3274.4
716.2	20°	727.0	730.9	758.3	939.0	1372.9	1966.0	2530.8	3024.2	3199.1	3286.1
687.9	22.5°	695.7	695.7	702.6	768.0	1143.2	1864.4	2520.0	3058.4	3238.2	3291.9
655.7	25°	667.4	667.4	669.3	686.9	905.8	1709.0	2513.2	3111.2	3291.9	3306.6
623.4	27.5°	638.1	639.0	639.0	648.8	729.9	1497.9	2483.9	3179.6	3356.4	3326.1
592.1	30°	608.8	610.7	610.7	617.5	645.9	1250.7	2426.2	3261.7	3440.5	3351.6
560.9	32.5°	579.4	581.4	581.4	587.3	607.8	998.6	2353.9	3336.9	3525.5	3362.3
530.6	35°	549.1	552.1	550.1	557.9	579.4	794.4	2262.1	3412.1	3617.3	3396.5
501.3	37.5°	518.9	520.8	519.8	527.6	552.1	685.9	2155.5	3468.8	3742.4	3472.7
470.0	40°	488.6	487.6	487.6	496.4	522.8	654.7	2021.7	3558.7	3922.2	3606.6
438.7	42.5°	457.3	457.3	455.3	465.1	497.4	631.2	1893.7	3719.9	4184.1	3819.6
409.4	45°	429.0	428.0	424.1	432.9	472.9	590.2	1848.7	4020.9	4571.0	4164.5
380.1	47.5°	401.6	400.6	390.9	398.7	443.6	553.1	2016.8	4513.4	5107.5	4671.7
356.7	50°	377.2	378.1	359.6	366.4	414.3	524.7	2381.3	5152.4	5819.8	5354.7
337.1	52.5°	354.7	354.7	330.3	334.2	378.1	499.3	2728.1	5845.2	6759.8	6307.4
316.6	55°	332.2	330.3	302.9	304.9	342.0	463.2	2779.9	6521.4	8041.8	7740.8
294.1	57.5°	306.8	302.9	277.5	277.5	308.8	436.8	2409.6	7041.2	9632.5	9847.5
252.1	60°	275.6	272.6	256.0	251.1	282.4	460.2	1700.2	7101.8	10658.5	12648.9
200.3	62.5°	235.5	239.4	230.6	223.8	257.0	477.8	1007.4	6614.2	10410.3	13540.1
155.4	65°	185.7	201.3	199.3	194.4	282.4	402.6	595.1	5678.1	9649.2	12820.9
135.8	67.5°	158.3	169.0	166.1	166.1	296.1	305.8	374.2	4436.2	8601.7	11967.9
113.3	70°	134.8	145.6	134.8	134.8	223.8	185.7	258.9	3097.5	7471.1	11024.0
90.9	72.5°	111.4	122.1	110.4	102.6	178.8	138.8	189.6	1935.7	6398.2	10041.0
64.5	75°	85.0	97.7	88.9	79.1	118.2	103.6	143.6	1124.7	5300.9	8590.9
39.1	77.5°	53.7	70.4	66.4	55.7	87.0	75.2	103.6	669.3	4090.3	6712.9
23.5	80°	33.2	36.2	37.1	35.2	49.8	50.8	70.4	381.1	2799.5	4678.5
14.7	82.5°	21.5	21.5	16.6	18.6	24.4	29.3	40.1	143.6	1645.5	2848.3
8.8	85°	15.6	13.7	8.8	8.8	11.7	14.7	15.6	44.0	667.4	1124.7
3.9	87.5°	7.8	6.8	2.9	3.9	5.9	4.9	3.9	2.0	168.1	359.6
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°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
2254.2	2.5°	2273.8	2304.1	2306.0	2306.0	2279.6	2278.7	2224.9	2219.1
2586.5	5°	2677.3	2696.9	2701.8	2692.0	2639.2	2600.1	2495.6	2473.1
2925.5	7.5°	3046.7	3085.8	3085.8	3062.3	2976.3	2896.2	2744.8	2688.1
3206.0	10°	3341.8	3386.7	3377.0	3329.1	3220.6	3110.2	2926.5	2852.2
3376.0	12.5°	3485.4	3531.3	3505.9	3451.2	3345.7	3229.4	3035.9	2951.9
3424.8	15°	3482.5	3469.8	3443.4	3436.6	3385.8	3297.8	3117.0	3025.2
3394.5	17.5°	3358.4	3250.9	3230.4	3298.8	3363.3	3341.8	3187.4	3101.4
3322.2	20°	3162.0	2974.4	2955.8	3086.8	3270.5	3364.3	3252.9	3173.7
3217.7	22.5°	2954.8	2752.6	2709.6	2854.2	3130.7	3371.1	3335.9	3256.8
3102.4	25°	2758.4	2555.2	2512.2	2647.0	2975.4	3359.4	3425.8	3358.4
2992.0	27.5°	2594.3	2397.9	2357.8	2492.7	2825.9	3326.1	3515.7	3467.8
2882.5	30°	2467.3	2285.5	2256.2	2386.2	2696.9	3285.1	3630.0	3603.7
2780.9	32.5°	2393.0	2260.1	2270.8	2377.4	2627.5	3240.2	3739.5	3752.2
2731.1	35°	2466.3	2472.1	2565.9	2609.9	2692.0	3233.3	3888.0	3937.8
2790.7	37.5°	2830.7	3034.0	3228.4	3192.3	3007.6	3312.5	4109.8	4202.6
3050.6	40°	3451.2	3868.5	4184.1	4046.3	3581.2	3554.8	4429.3	4568.1
3511.8	42.5°	4209.5	4916.9	5436.7	5067.4	4320.9	3978.9	4885.6	5062.5
4069.7	45°	5009.7	6209.7	7028.5	6260.5	5109.4	4573.0	5576.5	5715.2
4592.5	47.5°	5853.0	7780.9	8840.1	7583.5	5840.3	5249.1	6518.4	6550.7
5087.9	50°	6775.4	9503.6	10686.9	8905.6	6545.8	6024.0	7669.5	7632.4
5665.4	52.5°	7653.9	11275.1	12494.6	10233.5	7165.3	6985.5	9005.2	8929.0
6454.9	55°	8492.2	13045.7	14313.0	11509.6	7749.6	8255.8	10592.1	10130.9
7593.3	57.5°	9464.5	14637.4	16187.1	12791.6	8566.5	9905.2	12366.6	10828.5
9773.2	60°	10901.8	16446.1	18306.5	14548.5	10120.1	11638.6	13002.7	10695.7
12384.1	62.5°	12736.9	18109.1	19847.5	16270.2	11680.6	11964.9	12065.6	9671.6
11851.6	65°	13093.5	18530.3	19934.4	16730.4	11479.3	10149.4	9850.4	7774.0
10586.2	67.5°	12147.7	17769.1	18718.9	15873.5	10154.3	7843.4	7392.0	5640.0
9755.7	70°	11086.5	16318.1	16600.5	14416.6	8931.0	5769.0	4992.2	3619.3
9187.0	72.5°	9999.0	14382.4	13798.0	12520.0	7849.3	4200.7	3600.7	2572.8
8376.9	75°	8707.2	11836.9	10868.6	10402.5	6498.9	3296.8	2605.0	1775.4
7205.4	77.5°	6972.8	8332.0	8073.0	8063.3	4883.7	2408.6	1738.3	1113.0
5629.2	80°	4918.9	5407.4	5275.5	6072.9	3276.3	1747.1	1046.5	619.5
3918.3	82.5°	2381.3	2990.0	3069.2	3616.4	1593.7	1027.9	241.4	134.8
1532.1	85°	932.2	1442.2	1216.5	1372.9	447.5	286.3	5.9	0.0
252.1	87.5°	104.6	167.1	153.4	121.2	54.7	11.7	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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