

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: P948306

Luminaire Tested: **GALN-SB3B-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948306
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-SB3B-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 7849 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

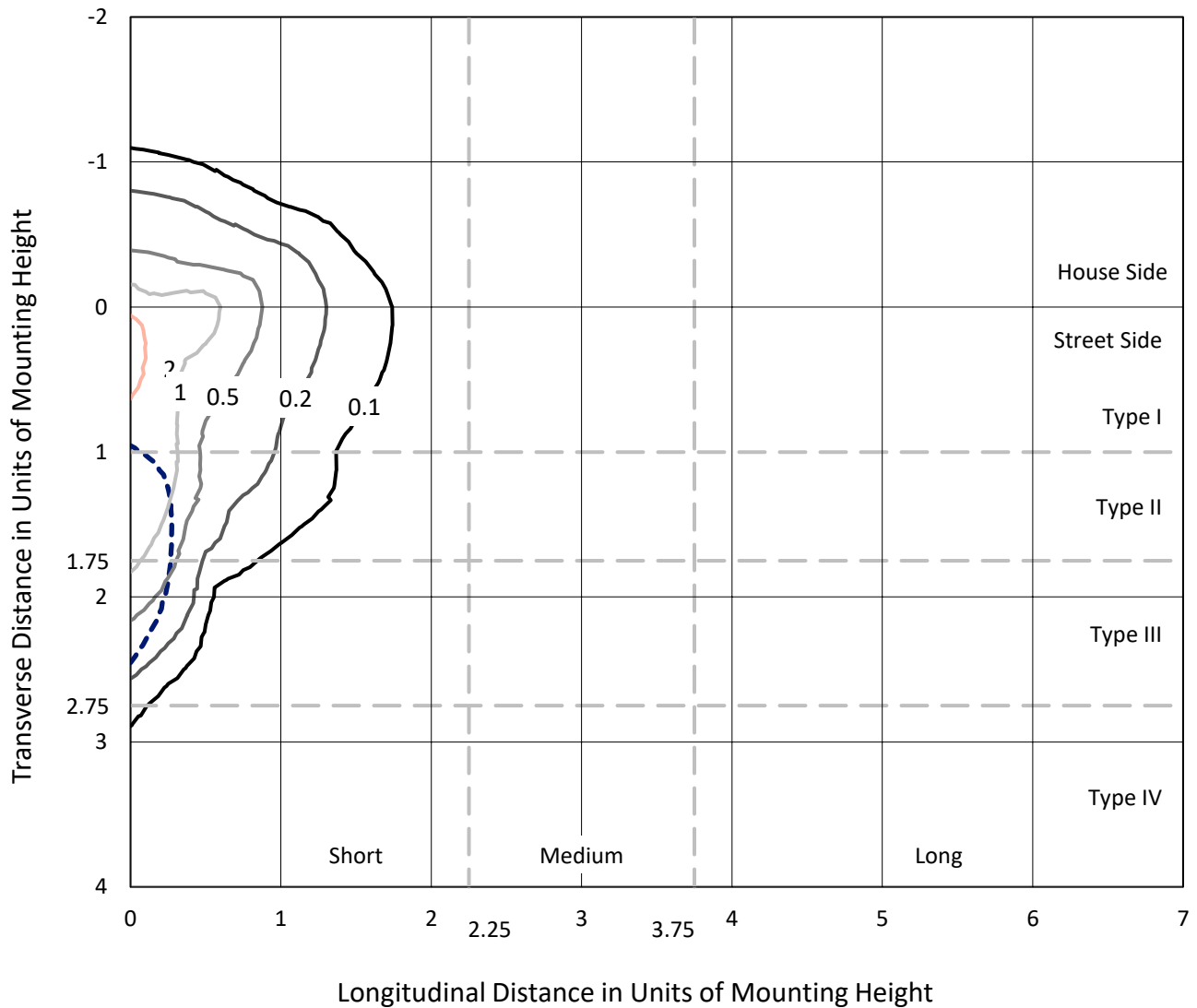
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

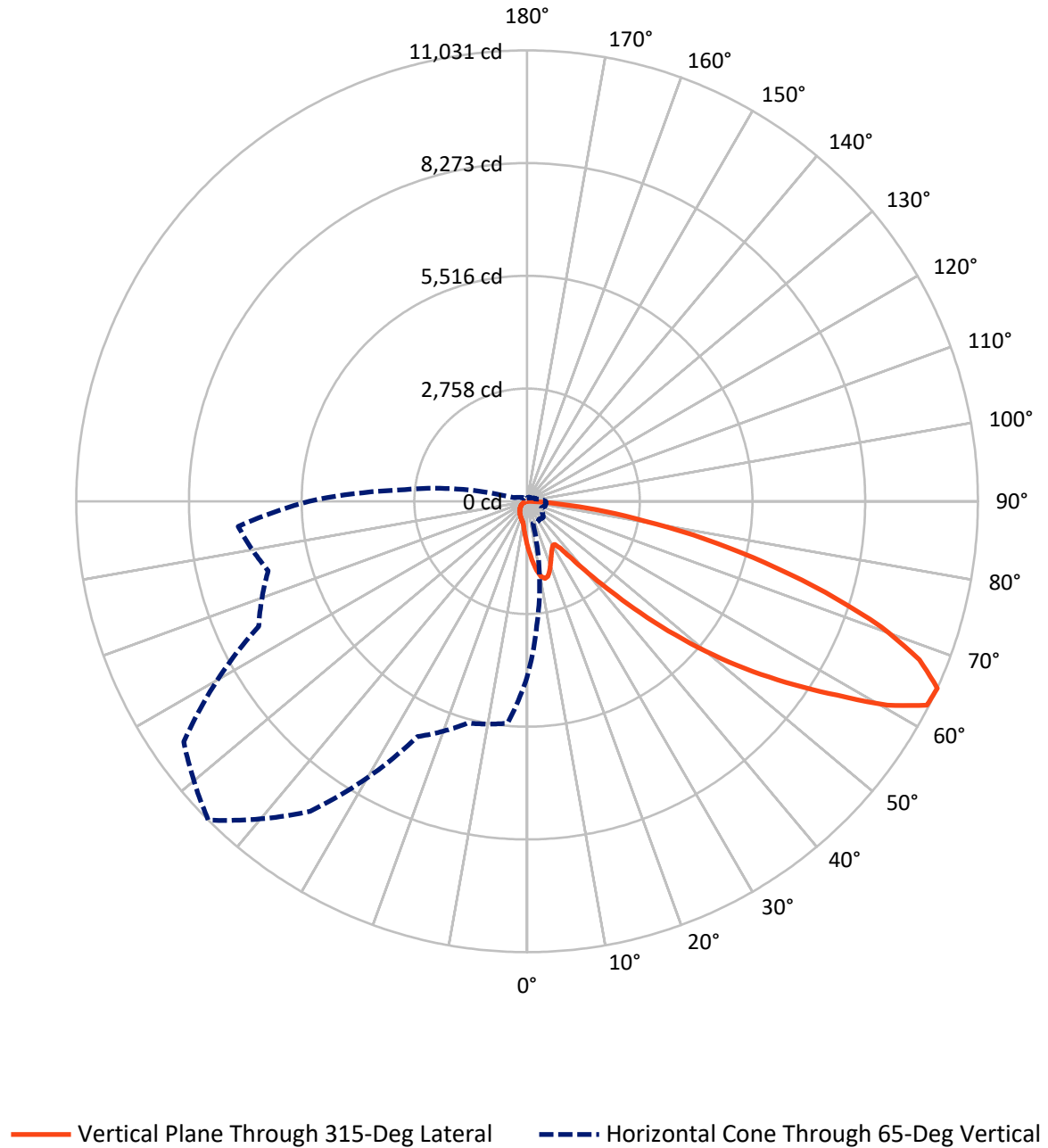
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	1099.2	0.0	1099.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	6749.8	0.0	6749.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	7849.0	0.0	7849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.4
10°-20°	320.8	4.1
20°-30°	472.5	6.0
30°-40°	607.1	7.7
40°-50°	981.9	12.5
50°-60°	1721.8	21.9
60°-70°	2154.4	27.4
70°-80°	1258.9	16.0
80°-90°	224.6	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°	7849.0	100.0
0°-180°	7849.0	100.0

Coefficient of Utilization



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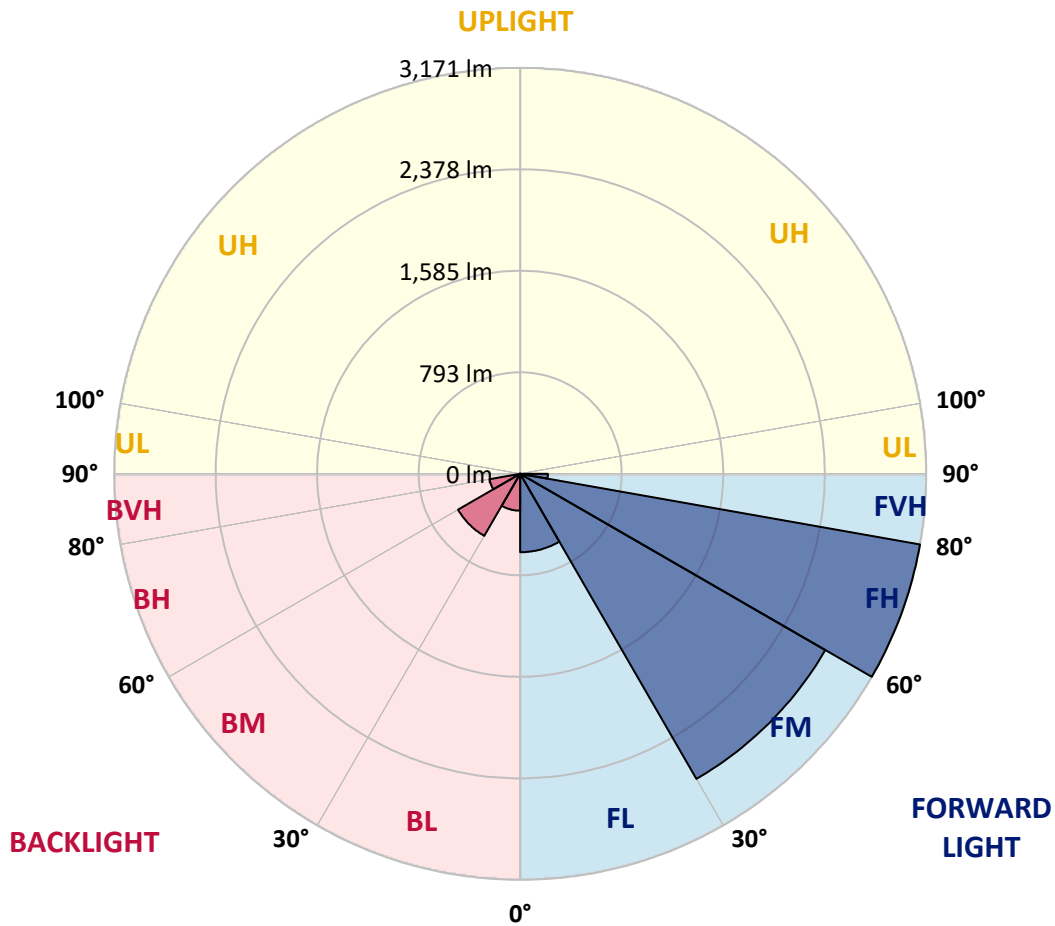
CATALOG NUMBER: GALN-SB3B-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.2	7.8			
FM (30°-60°)	2751.0	35.0			
FH (60°-80°)	3170.6	40.4			G2/5000
FVH (80°-90°)	216.0	2.8			G2/225
BL (0°-30°)	288.1	3.7	B1/500		
BM (30°-60°)	559.7	7.1	B1/1000		
BH (60°-80°)	242.7	3.1	B1/500		G1/500
BVH (80°-90°)	8.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1228.0	1206.9	1194.4	1163.6	1132.8	1107.9	1074.4	1052.2	1025.7	1000.3
5°	1368.5	1334.5	1293.4	1237.2	1185.8	1133.3	1082.5	1032.2	979.2	930.6
7.5°	1487.5	1438.3	1365.8	1291.2	1225.8	1162.5	1103.1	1036.5	972.2	896.0
10°	1578.3	1515.6	1420.5	1322.6	1247.4	1183.6	1125.8	1069.5	1004.6	912.7
12.5°	1633.5	1566.4	1453.4	1338.8	1252.8	1181.5	1136.6	1111.7	1086.3	994.9
15°	1674.1	1601.6	1476.7	1350.2	1240.4	1152.8	1119.8	1144.7	1173.9	1115.5
17.5°	1716.2	1640.0	1507.0	1355.0	1206.9	1097.1	1083.1	1147.4	1215.0	1212.3
20°	1756.2	1680.5	1533.5	1351.8	1152.8	1029.5	1042.0	1124.1	1202.5	1235.5
22.5°	1802.2	1722.2	1558.9	1339.3	1082.5	966.3	1005.2	1087.4	1156.0	1195.0
25°	1858.4	1774.6	1594.6	1321.0	1006.8	913.8	967.9	1044.7	1100.4	1127.4
27.5°	1919.0	1837.3	1642.1	1311.2	945.7	876.5	925.7	993.8	1043.6	1062.5
30°	1994.2	1910.3	1698.4	1300.4	905.7	854.9	881.9	934.9	983.6	1002.5
32.5°	2076.3	1991.5	1752.5	1274.5	881.4	838.6	839.2	872.7	917.1	939.8
35°	2179.1	2088.8	1810.3	1217.7	861.9	819.7	797.6	813.8	850.5	877.6
37.5°	2325.6	2216.4	1881.1	1136.6	833.2	790.5	753.8	757.5	785.7	815.4
40°	2527.8	2387.8	1964.4	1052.2	792.1	749.4	705.6	704.0	724.6	753.8
42.5°	2801.4	2614.4	2064.4	971.7	752.7	699.7	654.8	652.1	668.3	693.7
45°	3162.6	2904.2	2187.2	902.5	721.9	651.0	606.7	605.6	619.1	641.3
47.5°	3624.9	3307.0	2309.9	855.4	705.6	612.6	567.2	569.4	581.3	601.3
50°	4223.5	3832.0	2347.2	831.6	705.6	592.1	532.1	542.9	552.6	567.7
52.5°	4941.0	4336.0	2224.0	810.0	710.0	594.8	502.3	525.6	532.6	545.6
55°	5606.1	4583.1	1912.0	780.3	711.0	611.5	476.9	511.5	524.5	529.4
57.5°	5992.2	4498.2	1545.9	730.0	706.7	622.9	460.7	494.2	519.1	522.3
60°	5918.7	4200.3	1138.2	691.6	674.8	618.6	455.8	467.7	507.2	512.1
62.5°	5352.0	3700.6	790.0	661.8	604.5	599.7	454.2	426.1	481.2	493.1
65°	4301.9	2913.4	558.0	569.9	529.9	558.6	445.5	382.8	449.9	466.1
67.5°	3121.0	1971.4	402.8	461.8	480.2	492.0	426.1	351.5	414.2	435.8
70°	2002.8	1064.7	282.8	305.0	404.5	418.0	392.6	323.3	378.0	402.8
72.5°	1423.7	628.9	203.3	213.6	325.0	348.2	345.5	292.0	335.8	366.1
75°	982.5	346.6	137.3	152.5	235.8	282.8	266.6	250.9	284.4	315.2
77.5°	615.9	155.2	82.2	106.0	154.6	222.2	182.8	194.1	221.7	250.4
80°	342.8	60.0	46.0	70.3	84.4	161.7	101.1	124.9	163.3	183.8
82.5°	74.6	7.6	20.5	30.3	33.0	94.1	53.5	72.5	102.7	101.1
85°	0.0	0.0	3.8	4.3	2.2	40.6	19.5	23.8	33.5	31.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
977.6	2.5°	973.3	946.8	927.3	917.6	909.5	917.1	921.4	921.4	939.8	950.6
900.8	5°	881.9	834.3	798.1	773.8	759.2	764.0	769.4	775.4	798.6	814.3
855.4	7.5°	818.6	745.6	690.5	656.4	638.6	641.3	645.1	649.9	672.6	688.3
861.9	10°	806.7	701.8	624.0	579.1	557.5	553.7	551.5	549.9	563.4	575.3
935.4	12.5°	855.4	704.0	595.3	540.7	514.2	502.9	489.9	479.6	481.8	489.3
1046.8	15°	942.5	731.6	586.1	520.7	487.7	468.8	453.7	441.2	438.5	441.2
1144.2	17.5°	1042.0	768.9	585.1	503.4	462.3	442.8	430.4	419.1	415.3	415.8
1198.8	20°	1107.9	798.6	581.8	483.9	438.0	420.7	409.9	398.5	394.7	395.8
1183.6	22.5°	1114.4	814.3	576.9	462.3	413.6	399.0	388.2	378.0	377.4	377.4
1126.8	25°	1079.3	814.3	566.7	442.8	390.4	377.4	367.7	355.2	357.4	358.5
1062.5	27.5°	1024.7	794.8	547.2	427.2	370.4	356.9	347.1	335.8	338.5	340.1
1002.5	30°	970.6	770.0	524.0	409.3	351.5	335.8	328.8	319.0	320.1	322.3
943.0	32.5°	920.3	743.5	496.4	394.7	332.5	316.9	311.5	300.6	302.3	304.4
884.6	35°	870.5	714.3	463.9	377.4	315.2	299.6	295.2	282.8	283.9	287.1
826.2	37.5°	817.0	683.5	437.4	360.1	298.5	282.3	277.9	264.9	266.0	269.8
765.7	40°	760.8	653.2	411.5	341.7	280.6	264.4	260.6	246.6	247.6	252.0
706.2	42.5°	704.0	620.2	391.5	317.9	262.2	244.9	241.2	228.2	229.8	234.7
654.3	45°	651.6	580.7	378.5	291.4	244.9	225.5	221.7	209.8	213.0	218.4
610.5	47.5°	606.7	540.2	373.1	269.3	226.6	205.5	202.2	192.5	197.9	203.8
573.2	50°	568.3	501.2	366.1	246.6	209.3	188.2	184.9	178.4	185.5	191.4
547.7	52.5°	540.7	456.9	350.9	226.0	194.1	173.6	172.5	169.2	175.7	181.1
528.8	55°	516.9	410.9	326.6	208.2	180.6	161.1	162.2	160.6	166.0	170.3
517.5	57.5°	495.3	370.9	295.8	194.1	166.0	150.3	153.6	151.4	154.1	156.8
505.6	60°	469.3	330.4	259.0	178.4	148.7	139.5	143.3	137.3	136.8	137.9
483.9	62.5°	430.9	275.8	220.6	159.0	133.6	127.6	129.2	117.9	109.2	109.2
452.0	65°	377.4	221.7	184.9	137.3	116.3	111.4	110.3	94.1	82.2	81.1
417.4	67.5°	315.2	182.2	153.6	115.7	96.8	93.5	94.6	82.7	70.8	69.8
382.8	70°	256.8	150.9	123.8	92.5	74.6	77.9	82.7	70.8	59.5	57.9
342.3	72.5°	208.7	120.0	96.8	70.8	55.2	64.3	70.3	57.9	47.0	46.0
292.0	75°	161.1	88.1	69.2	48.1	40.0	49.7	55.2	42.2	33.5	31.9
226.0	77.5°	107.6	54.6	38.9	30.3	23.8	34.1	36.8	22.2	19.5	18.9
164.4	80°	65.4	25.4	16.8	14.6	8.1	12.4	14.6	9.2	10.3	10.8
87.6	82.5°	33.0	7.0	2.7	0.5	0.0	0.0	4.3	2.2	4.3	5.4
23.8	85°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.7
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°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
954.9	2.5°	985.2	1007.9	1029.5	1064.1	1099.8	1135.0	1170.6	1205.3	1217.7	1226.9
824.6	5°	871.6	914.3	964.1	1032.8	1106.3	1182.0	1258.8	1329.1	1361.0	1382.6
701.8	7.5°	754.3	810.0	881.4	984.6	1099.8	1220.4	1341.0	1451.8	1503.2	1544.8
586.1	10°	638.0	698.6	788.9	906.8	1062.5	1235.5	1402.1	1554.6	1621.1	1673.5
502.9	12.5°	535.8	592.6	687.2	817.6	1004.1	1223.6	1437.2	1620.5	1698.9	1757.9
443.4	15°	463.9	503.9	587.8	728.3	934.9	1185.2	1439.4	1651.9	1737.9	1799.5
418.5	17.5°	423.9	437.4	492.0	637.5	858.1	1135.0	1419.4	1662.7	1754.6	1811.9
396.3	20°	402.3	404.5	419.6	519.6	759.7	1087.9	1400.4	1673.5	1770.3	1818.4
380.7	22.5°	385.0	385.0	388.8	425.0	632.6	1031.7	1394.5	1692.4	1791.9	1821.7
362.8	25°	369.3	369.3	370.4	380.1	501.2	945.7	1390.7	1721.6	1821.7	1829.8
345.0	27.5°	353.1	353.6	353.6	359.0	403.9	828.9	1374.5	1759.5	1857.4	1840.6
327.7	30°	336.9	337.9	337.9	341.7	357.4	692.1	1342.6	1804.9	1903.9	1854.6
310.4	32.5°	320.6	321.7	321.7	325.0	336.3	552.6	1302.6	1846.5	1950.9	1860.6
293.6	35°	303.9	305.5	304.4	308.7	320.6	439.6	1251.8	1888.2	2001.7	1879.5
277.4	37.5°	287.1	288.2	287.7	292.0	305.5	379.6	1192.8	1919.5	2070.9	1921.7
260.1	40°	270.4	269.8	269.8	274.7	289.3	362.3	1118.7	1969.3	2170.4	1995.8
242.8	42.5°	253.1	253.1	252.0	257.4	275.2	349.3	1047.9	2058.5	2315.3	2113.7
226.6	45°	237.4	236.8	234.7	239.5	261.7	326.6	1023.0	2225.0	2529.5	2304.5
210.3	47.5°	222.2	221.7	216.3	220.6	245.5	306.0	1116.0	2497.6	2826.3	2585.2
197.4	50°	208.7	209.3	199.0	202.8	229.3	290.4	1317.7	2851.2	3220.5	2963.1
186.5	52.5°	196.3	196.3	182.8	184.9	209.3	276.3	1509.7	3234.6	3740.7	3490.3
175.2	55°	183.8	182.8	167.6	168.7	189.2	256.3	1538.3	3608.7	4450.1	4283.5
162.8	57.5°	169.8	167.6	153.6	153.6	170.9	241.7	1333.4	3896.4	5330.4	5449.3
139.5	60°	152.5	150.9	141.7	139.0	156.3	254.7	940.8	3929.9	5898.1	6999.5
110.8	62.5°	130.3	132.5	127.6	123.8	142.2	264.4	557.5	3660.1	5760.8	7492.7
86.0	65°	102.7	111.4	110.3	107.6	156.3	222.8	329.3	3142.1	5339.6	7094.7
75.2	67.5°	87.6	93.5	91.9	91.9	163.8	169.2	207.1	2454.8	4759.9	6622.7
62.7	70°	74.6	80.6	74.6	74.6	123.8	102.7	143.3	1714.1	4134.3	6100.3
50.3	72.5°	61.6	67.6	61.1	56.8	99.0	76.8	104.9	1071.2	3540.6	5556.4
35.7	75°	47.0	54.1	49.2	43.8	65.4	57.3	79.5	622.4	2933.4	4754.0
21.6	77.5°	29.7	38.9	36.8	30.8	48.1	41.6	57.3	370.4	2263.4	3714.7
13.0	80°	18.4	20.0	20.5	19.5	27.6	28.1	38.9	210.9	1549.1	2588.9
8.1	82.5°	11.9	11.9	9.2	10.3	13.5	16.2	22.2	79.5	910.6	1576.2
4.9	85°	8.7	7.6	4.9	4.9	6.5	8.1	8.7	24.3	369.3	622.4
2.2	87.5°	4.3	3.8	1.6	2.2	3.2	2.7	2.2	1.1	93.0	199.0
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
1086.8	0°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8
1247.4	2.5°	1258.2	1275.0	1276.1	1276.1	1261.5	1260.9	1231.2	1228.0
1431.3	5°	1481.6	1492.4	1495.1	1489.7	1460.5	1438.8	1381.0	1368.5
1618.9	7.5°	1685.9	1707.6	1707.6	1694.6	1647.0	1602.7	1518.9	1487.5
1774.1	10°	1849.2	1874.1	1868.7	1842.2	1782.2	1721.1	1619.4	1578.3
1868.2	12.5°	1928.7	1954.1	1940.1	1909.8	1851.4	1787.1	1680.0	1633.5
1895.2	15°	1927.1	1920.1	1905.5	1901.7	1873.6	1824.9	1724.9	1674.1
1878.4	17.5°	1858.4	1799.0	1787.6	1825.5	1861.1	1849.2	1763.8	1716.2
1838.4	20°	1749.8	1645.9	1635.7	1708.1	1809.8	1861.7	1800.0	1756.2
1780.6	22.5°	1635.1	1523.2	1499.4	1579.4	1732.4	1865.5	1846.0	1802.2
1716.8	25°	1526.4	1414.0	1390.2	1464.8	1646.5	1859.0	1895.7	1858.4
1655.7	27.5°	1435.6	1326.9	1304.7	1379.4	1563.7	1840.6	1945.5	1919.0
1595.1	30°	1365.3	1264.7	1248.5	1320.4	1492.4	1817.9	2008.8	1994.2
1538.9	32.5°	1324.2	1250.7	1256.6	1315.6	1454.0	1793.0	2069.3	2076.3
1511.3	35°	1364.8	1368.0	1419.9	1444.2	1489.7	1789.2	2151.5	2179.1
1544.3	37.5°	1566.4	1678.9	1786.5	1766.5	1664.3	1833.0	2274.2	2325.6
1688.1	40°	1909.8	2140.7	2315.3	2239.1	1981.7	1967.1	2451.1	2527.8
1943.3	42.5°	2329.4	2720.9	3008.5	2804.1	2391.0	2201.8	2703.6	2801.4
2252.1	45°	2772.2	3436.2	3889.4	3464.4	2827.4	2530.5	3085.9	3162.6
2541.4	47.5°	3238.9	4305.7	4891.8	4196.5	3231.8	2904.7	3607.1	3624.9
2815.5	50°	3749.3	5259.0	5913.8	4928.1	3622.2	3333.5	4244.1	4223.5
3135.1	52.5°	4235.4	6239.3	6914.1	5662.9	3965.1	3865.6	4983.2	4941.0
3572.0	55°	4699.3	7219.1	7920.4	6369.1	4288.4	4568.5	5861.3	5606.1
4201.9	57.5°	5237.4	8099.9	8957.5	7078.5	4740.4	5481.2	6843.3	5992.2
5408.2	60°	6032.7	9100.8	10130.3	8050.7	5600.2	6440.4	7195.3	5918.7
6853.0	62.5°	7048.2	10021.1	10983.0	9003.4	6463.7	6621.0	6676.7	5352.0
6558.3	65°	7245.6	10254.1	11031.1	9258.1	6352.3	5616.4	5450.9	4301.9
5858.1	67.5°	6722.2	9832.9	10358.5	8783.9	5619.1	4340.3	4090.5	3121.0
5398.5	70°	6134.9	9029.9	9186.2	7977.7	4942.1	3192.4	2762.5	2002.8
5083.8	72.5°	5533.1	7958.8	7635.4	6928.2	4343.6	2324.5	1992.5	1423.7
4635.5	75°	4818.3	6550.2	6014.4	5756.4	3596.3	1824.4	1441.5	982.5
3987.2	77.5°	3858.5	4610.7	4467.4	4462.0	2702.5	1332.9	961.9	615.9
3115.1	80°	2722.0	2992.3	2919.3	3360.5	1813.0	966.8	579.1	342.8
2168.3	82.5°	1317.7	1654.6	1698.4	2001.2	881.9	568.8	133.6	74.6
847.8	85°	515.8	798.1	673.2	759.7	247.6	158.4	3.2	0.0
139.5	87.5°	57.9	92.5	84.9	67.0	30.3	6.5	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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