

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: P947235

Luminaire Tested: **GALN-SB2C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947235
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-SB2C-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 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: 6958 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

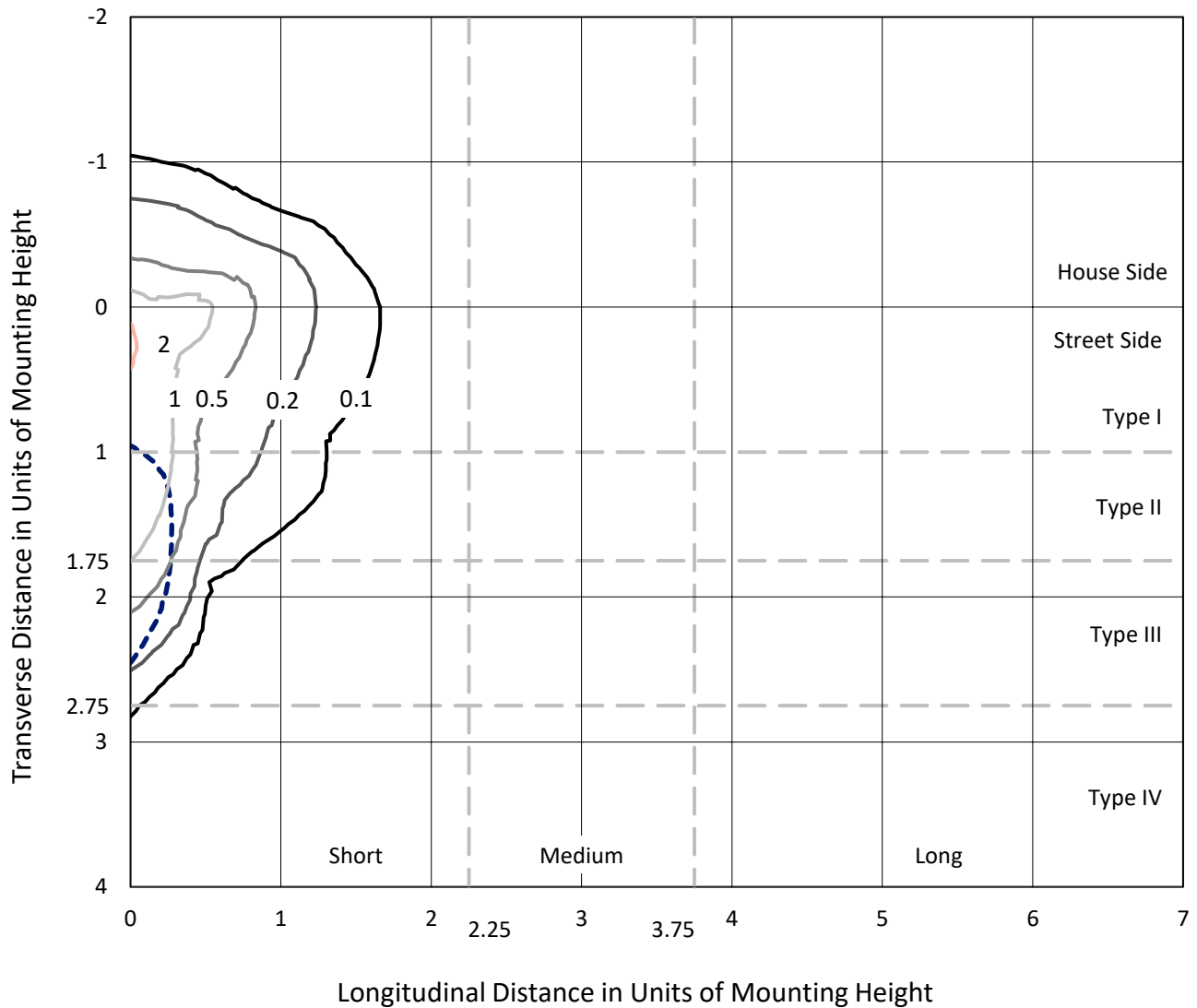
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

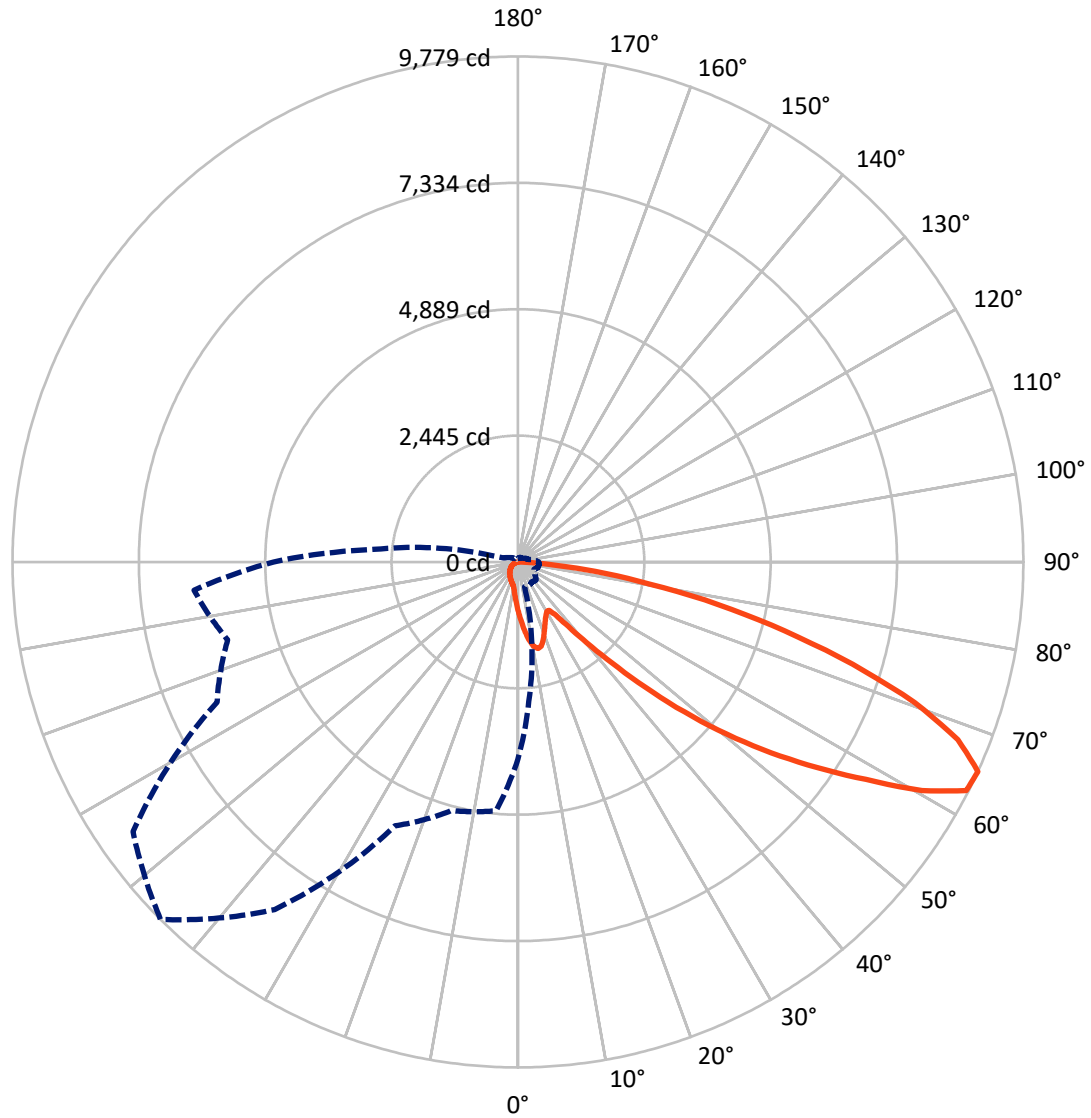
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.4	0.0	974.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5983.6	0.0	5983.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	6958.0	0.0	6958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.4
10°-20°	284.3	4.1
20°-30°	418.9	6.0
30°-40°	538.2	7.7
40°-50°	870.4	12.5
50°-60°	1526.3	21.9
60°-70°	1909.8	27.4
70°-80°	1116.0	16.0
80°-90°	199.1	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°	6958.0	100.0
0°-180°	6958.0	100.0

Coefficient of Utilization



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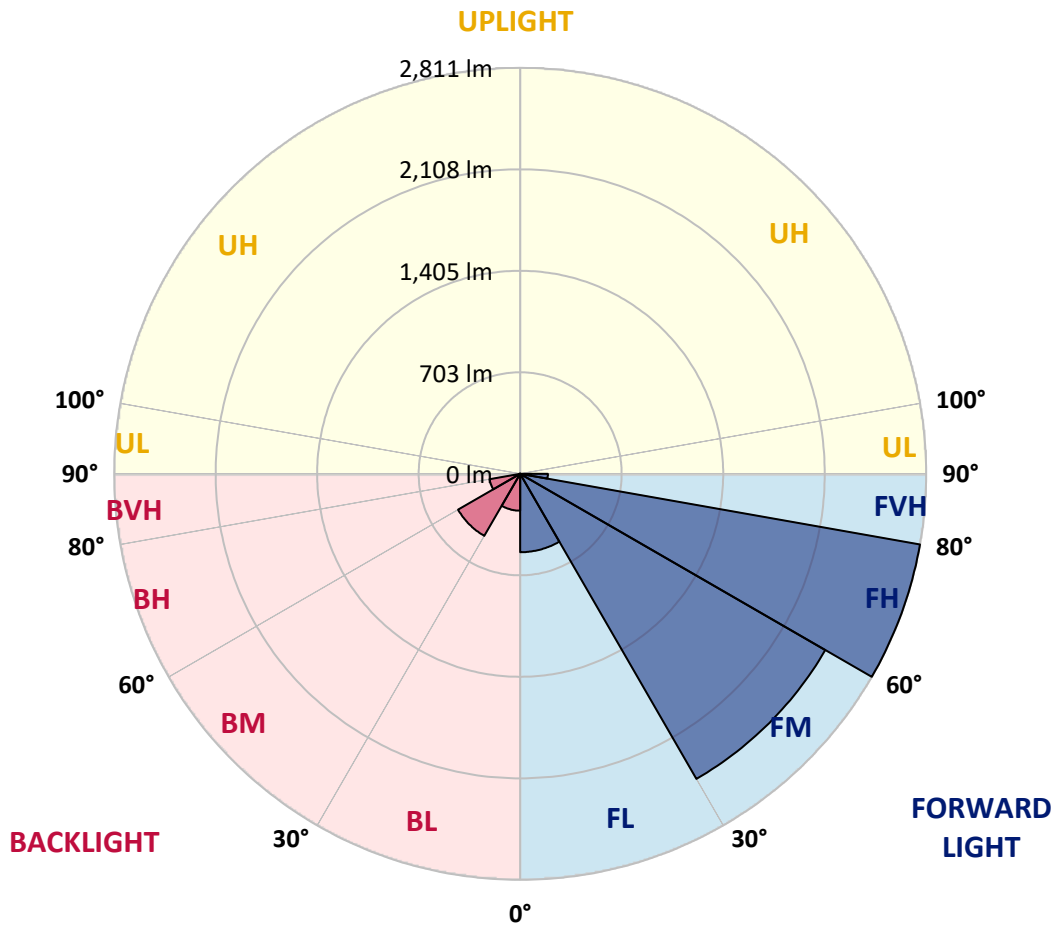
CATALOG NUMBER: GALN-SB2C-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.7	7.8			
FM (30°-60°)	2438.7	35.0			
FH (60°-80°)	2810.7	40.4			G2/5000
FVH (80°-90°)	191.5	2.8			G2/225
BL (0°-30°)	255.4	3.7	B1/500		
BM (30°-60°)	496.2	7.1	B1/1000		
BH (60°-80°)	215.2	3.1	B1/500		G1/500
BVH (80°-90°)	7.6	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°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1088.6	1069.9	1058.8	1031.5	1004.2	982.2	952.4	932.8	909.3	886.8
5°	1213.2	1183.0	1146.6	1096.7	1051.2	1004.7	959.6	915.0	868.1	824.9
7.5°	1318.6	1275.0	1210.8	1144.6	1086.6	1030.6	977.8	918.9	861.8	794.3
10°	1399.2	1343.6	1259.2	1172.4	1105.8	1049.3	998.0	948.1	890.6	809.1
12.5°	1448.1	1388.6	1288.4	1186.8	1110.6	1047.3	1007.6	985.5	963.0	882.0
15°	1484.0	1419.8	1309.1	1196.9	1099.6	1021.9	992.7	1014.7	1040.6	988.9
17.5°	1521.4	1453.8	1335.9	1201.2	1069.9	972.6	960.1	1017.1	1077.1	1074.7
20°	1556.9	1489.8	1359.4	1198.3	1021.9	912.7	923.7	996.5	1066.0	1095.3
22.5°	1597.6	1526.7	1381.9	1187.3	959.6	856.6	891.1	963.9	1024.8	1059.3
25°	1647.5	1573.2	1413.6	1171.0	892.5	810.1	858.0	926.1	975.4	999.4
27.5°	1701.2	1628.8	1455.7	1162.4	838.4	777.0	820.6	881.0	925.1	941.9
30°	1767.8	1693.5	1505.6	1152.8	802.9	757.8	781.8	828.8	871.9	888.7
32.5°	1840.6	1765.4	1553.5	1129.8	781.3	743.4	743.9	773.6	812.9	833.1
35°	1931.7	1851.7	1604.8	1079.5	764.1	726.7	707.0	721.4	754.0	778.0
37.5°	2061.6	1964.8	1667.6	1007.6	738.7	700.8	668.2	671.5	696.5	722.8
40°	2240.9	2116.7	1741.4	932.8	702.2	664.4	625.5	624.1	642.3	668.2
42.5°	2483.4	2317.6	1830.1	861.4	667.2	620.3	580.5	578.1	592.5	615.0
45°	2803.6	2574.5	1938.9	800.0	639.9	577.1	537.8	536.9	548.8	568.5
47.5°	3213.5	2931.6	2047.7	758.3	625.5	543.1	502.8	504.7	515.3	533.0
50°	3744.1	3397.0	2080.8	737.2	625.5	524.9	471.7	481.3	489.9	503.3
52.5°	4380.1	3843.8	1971.5	718.0	629.4	527.3	445.3	465.9	472.1	483.6
55°	4969.7	4062.8	1694.9	691.7	630.3	542.1	422.8	453.4	465.0	469.3
57.5°	5312.0	3987.6	1370.4	647.1	626.5	552.2	408.4	438.1	460.2	463.0
60°	5246.8	3723.5	1009.0	613.1	598.2	548.4	404.1	414.6	449.6	453.9
62.5°	4744.4	3280.6	700.3	586.7	535.9	531.6	402.6	377.7	426.6	437.2
65°	3813.6	2582.6	494.7	505.2	469.7	495.2	395.0	339.4	398.8	413.2
67.5°	2766.7	1747.6	357.1	409.4	425.6	436.2	377.7	311.6	367.2	386.3
70°	1775.5	943.8	250.7	270.3	358.5	370.5	348.0	286.6	335.1	357.1
72.5°	1262.1	557.5	180.2	189.3	288.1	308.7	306.3	258.8	297.7	324.5
75°	870.9	307.3	121.8	135.2	209.0	250.7	236.3	222.4	252.1	279.5
77.5°	546.0	137.6	72.9	93.9	137.1	197.0	162.0	172.1	196.5	221.9
80°	303.9	53.2	40.7	62.3	74.8	143.3	89.6	110.7	144.8	163.0
82.5°	66.1	6.7	18.2	26.8	29.2	83.4	47.5	64.2	91.1	89.6
85°	0.0	0.0	3.4	3.8	1.9	36.0	17.3	21.1	29.7	27.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
866.6	2.5°	862.8	839.3	822.1	813.4	806.2	812.9	816.8	816.8	833.1	842.7
798.6	5°	781.8	739.6	707.5	685.9	673.0	677.3	682.1	687.4	708.0	721.9
758.3	7.5°	725.7	661.0	612.1	581.9	566.1	568.5	571.8	576.2	596.3	610.2
764.1	10°	715.2	622.2	553.2	513.4	494.2	490.8	488.9	487.5	499.5	510.0
829.2	12.5°	758.3	624.1	527.7	479.3	455.8	445.8	434.3	425.2	427.1	433.8
928.0	15°	835.5	648.5	519.6	461.6	432.4	415.6	402.2	391.1	388.7	391.1
1014.3	17.5°	923.7	681.6	518.6	446.3	409.8	392.6	381.5	371.5	368.1	368.6
1062.7	20°	982.2	708.0	515.8	429.0	388.3	372.9	363.3	353.3	349.9	350.9
1049.3	22.5°	987.9	721.9	511.4	409.8	366.7	353.7	344.2	335.1	334.6	334.6
998.9	25°	956.7	721.9	502.3	392.6	346.1	334.6	325.9	314.9	316.8	317.8
941.9	27.5°	908.3	704.6	485.1	378.7	328.3	316.4	307.7	297.7	300.1	301.5
888.7	30°	860.4	682.6	464.5	362.9	311.6	297.7	291.4	282.8	283.8	285.7
836.0	32.5°	815.8	659.1	440.0	349.9	294.8	280.9	276.1	266.5	267.9	269.9
784.2	35°	771.7	633.2	411.3	334.6	279.5	265.6	261.7	250.7	251.7	254.5
732.4	37.5°	724.3	605.9	387.8	319.2	264.6	250.2	246.4	234.9	235.8	239.2
678.7	40°	674.4	579.0	364.8	302.9	248.8	234.4	231.0	218.6	219.5	223.4
626.0	42.5°	624.1	549.8	347.0	281.8	232.5	217.1	213.8	202.3	203.7	208.0
580.0	45°	577.6	514.8	335.5	258.4	217.1	199.9	196.5	186.0	188.9	193.7
541.2	47.5°	537.8	478.9	330.7	238.7	200.8	182.1	179.3	170.6	175.4	180.7
508.1	50°	503.8	444.3	324.5	218.6	185.5	166.8	163.9	158.2	164.4	169.7
485.6	52.5°	479.3	405.0	311.1	200.4	172.1	153.9	152.9	150.0	155.8	160.6
468.8	55°	458.2	364.3	289.5	184.5	160.1	142.8	143.8	142.4	147.2	151.0
458.7	57.5°	439.1	328.8	262.2	172.1	147.2	133.3	136.1	134.2	136.6	139.0
448.2	60°	416.1	292.9	229.6	158.2	131.8	123.7	127.0	121.8	121.3	122.2
429.0	62.5°	382.0	244.5	195.6	140.9	118.4	113.1	114.6	104.5	96.8	96.8
400.7	65°	334.6	196.5	163.9	121.8	103.1	98.7	97.8	83.4	72.9	71.9
370.0	67.5°	279.5	161.5	136.1	102.6	85.8	82.9	83.9	73.3	62.8	61.8
339.4	70°	227.7	133.7	109.8	82.0	66.1	69.0	73.3	62.8	52.7	51.3
303.4	72.5°	185.0	106.4	85.8	62.8	48.9	57.0	62.3	51.3	41.7	40.7
258.8	75°	142.8	78.1	61.4	42.7	35.5	44.1	48.9	37.4	29.7	28.3
200.4	77.5°	95.4	48.4	34.5	26.8	21.1	30.2	32.6	19.7	17.3	16.8
145.7	80°	58.0	22.5	14.9	12.9	7.2	11.0	12.9	8.1	9.1	9.6
77.7	82.5°	29.2	6.2	2.4	0.5	0.0	0.0	3.8	1.9	3.8	4.8
21.1	85°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.4
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°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
846.5	2.5°	873.3	893.5	912.7	943.3	975.0	1006.1	1037.8	1068.4	1079.5	1087.6
731.0	5°	772.7	810.6	854.7	915.5	980.7	1047.8	1115.9	1178.2	1206.5	1225.7
622.2	7.5°	668.7	718.0	781.3	872.9	975.0	1081.9	1188.7	1287.0	1332.5	1369.5
519.6	10°	565.6	619.3	699.3	803.8	941.9	1095.3	1242.9	1378.1	1437.0	1483.5
445.8	12.5°	475.0	525.3	609.2	724.8	890.1	1084.7	1274.1	1436.6	1506.1	1558.3
393.1	15°	411.3	446.7	521.0	645.7	828.8	1050.7	1276.0	1464.4	1540.6	1595.2
371.0	17.5°	375.8	387.8	436.2	565.1	760.7	1006.1	1258.3	1474.0	1555.4	1606.2
351.4	20°	356.6	358.5	372.0	460.6	673.5	964.4	1241.5	1483.5	1569.3	1612.0
337.5	22.5°	341.3	341.3	344.6	376.8	560.8	914.6	1236.2	1500.3	1588.5	1614.9
321.6	25°	327.4	327.4	328.3	337.0	444.3	838.4	1232.8	1526.2	1614.9	1622.1
305.8	27.5°	313.0	313.5	313.5	318.3	358.1	734.8	1218.5	1559.8	1646.5	1631.7
290.5	30°	298.6	299.6	299.6	302.9	316.8	613.5	1190.2	1600.0	1687.7	1644.1
275.1	32.5°	284.2	285.2	285.2	288.1	298.1	489.9	1154.7	1636.9	1729.4	1649.4
260.3	35°	269.4	270.8	269.9	273.7	284.2	389.7	1109.7	1673.8	1774.5	1666.2
245.9	37.5°	254.5	255.5	255.0	258.8	270.8	336.5	1057.4	1701.6	1835.8	1703.6
230.6	40°	239.7	239.2	239.2	243.5	256.4	321.2	991.7	1745.7	1924.0	1769.2
215.2	42.5°	224.3	224.3	223.4	228.2	244.0	309.6	928.9	1824.8	2052.5	1873.7
200.8	45°	210.4	209.9	208.0	212.3	232.0	289.5	906.9	1972.5	2242.3	2042.9
186.5	47.5°	197.0	196.5	191.7	195.6	217.6	271.3	989.3	2214.0	2505.5	2291.7
175.0	50°	185.0	185.5	176.4	179.8	203.2	257.4	1168.1	2527.5	2854.9	2626.7
165.4	52.5°	174.0	174.0	162.0	163.9	185.5	244.9	1338.3	2867.4	3316.0	3094.1
155.3	55°	163.0	162.0	148.6	149.6	167.8	227.2	1363.7	3199.1	3944.9	3797.3
144.3	57.5°	150.5	148.6	136.1	136.1	151.5	214.3	1182.0	3454.1	4725.3	4830.7
123.7	60°	135.2	133.7	125.6	123.2	138.5	225.8	834.0	3483.8	5228.6	6205.0
98.3	62.5°	115.5	117.4	113.1	109.8	126.1	234.4	494.2	3244.6	5106.8	6642.1
76.2	65°	91.1	98.7	97.8	95.4	138.5	197.5	291.9	2785.4	4733.4	6289.3
66.6	67.5°	77.7	82.9	81.5	81.5	145.2	150.0	183.6	2176.2	4219.6	5870.9
55.6	70°	66.1	71.4	66.1	66.1	109.8	91.1	127.0	1519.5	3665.0	5407.8
44.6	72.5°	54.6	59.9	54.2	50.3	87.7	68.1	93.0	949.6	3138.7	4925.6
31.6	75°	41.7	47.9	43.6	38.8	58.0	50.8	70.5	551.7	2600.4	4214.3
19.2	77.5°	26.4	34.5	32.6	27.3	42.7	36.9	50.8	328.3	2006.5	3293.0
11.5	80°	16.3	17.7	18.2	17.3	24.4	24.9	34.5	186.9	1373.3	2295.0
7.2	82.5°	10.5	10.5	8.1	9.1	12.0	14.4	19.7	70.5	807.2	1397.3
4.3	85°	7.7	6.7	4.3	4.3	5.8	7.2	7.7	21.6	327.4	551.7
1.9	87.5°	3.8	3.4	1.4	1.9	2.9	2.4	1.9	1.0	82.4	176.4
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°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
1105.8	2.5°	1115.4	1130.3	1131.2	1131.2	1118.3	1117.8	1091.4	1088.6
1268.8	5°	1313.4	1323.0	1325.4	1320.6	1294.7	1275.5	1224.2	1213.2
1435.1	7.5°	1494.6	1513.7	1513.7	1502.2	1460.0	1420.7	1346.4	1318.6
1572.7	10°	1639.3	1661.4	1656.6	1633.1	1579.9	1525.7	1435.6	1399.2
1656.1	12.5°	1709.8	1732.3	1719.8	1693.0	1641.2	1584.2	1489.3	1448.1
1680.1	15°	1708.3	1702.1	1689.2	1685.8	1660.9	1617.8	1529.1	1484.0
1665.2	17.5°	1647.5	1594.7	1584.7	1618.2	1649.9	1639.3	1563.6	1521.4
1629.7	20°	1551.1	1459.1	1450.0	1514.2	1604.3	1650.3	1595.7	1556.9
1578.4	22.5°	1449.5	1350.3	1329.2	1400.1	1535.8	1653.7	1636.4	1597.6
1521.9	25°	1353.2	1253.5	1232.4	1298.5	1459.6	1647.9	1680.5	1647.5
1467.7	27.5°	1272.6	1176.3	1156.6	1222.8	1386.2	1631.7	1724.6	1701.2
1414.0	30°	1210.3	1121.2	1106.8	1170.5	1323.0	1611.5	1780.7	1767.8
1364.2	32.5°	1173.9	1108.7	1114.0	1166.2	1288.9	1589.5	1834.4	1840.6
1339.7	35°	1209.8	1212.7	1258.7	1280.3	1320.6	1586.1	1907.3	1931.7
1369.0	37.5°	1388.6	1488.3	1583.7	1566.0	1475.4	1624.9	2016.1	2061.6
1496.5	40°	1693.0	1897.7	2052.5	1984.9	1756.8	1743.8	2172.8	2240.9
1722.7	42.5°	2065.0	2412.0	2667.0	2485.8	2119.6	1951.8	2396.7	2483.4
1996.4	45°	2457.5	3046.2	3447.8	3071.1	2506.4	2243.3	2735.6	2803.6
2252.9	47.5°	2871.2	3816.9	4336.5	3720.1	2865.0	2575.0	3197.6	3213.5
2495.9	50°	3323.7	4662.0	5242.5	4368.6	3211.1	2955.1	3762.3	3744.1
2779.2	52.5°	3754.6	5531.0	6129.2	5020.1	3515.0	3426.8	4417.5	4380.1
3166.5	55°	4165.9	6399.6	7021.3	5646.1	3801.6	4049.9	5196.0	4969.7
3724.9	57.5°	4642.8	7180.4	7940.6	6275.0	4202.3	4859.0	6066.4	5312.0
4794.3	60°	5347.9	8067.7	8980.3	7136.8	4964.5	5709.3	6378.5	5246.8
6075.1	62.5°	6248.1	8883.5	9736.2	7981.4	5730.0	5869.4	5918.8	4744.4
5813.8	65°	6423.1	9090.1	9778.9	8207.1	5631.2	4978.8	4832.2	3813.6
5193.1	67.5°	5959.1	8716.7	9182.6	7786.8	4981.2	3847.6	3626.2	2766.7
4785.7	70°	5438.5	8004.9	8143.4	7072.1	4381.1	2830.0	2448.9	1775.5
4506.7	72.5°	4905.0	7055.3	6768.7	6141.7	3850.5	2060.7	1766.3	1262.1
4109.3	75°	4271.3	5806.6	5331.6	5103.0	3188.0	1617.3	1277.9	870.9
3534.6	77.5°	3420.5	4087.3	3960.3	3955.5	2395.7	1181.6	852.7	546.0
2761.4	80°	2413.0	2652.6	2587.9	2979.1	1607.2	857.0	513.4	303.9
1922.1	82.5°	1168.1	1466.8	1505.6	1774.0	781.8	504.3	118.4	66.1
751.6	85°	457.3	707.5	596.8	673.5	219.5	140.4	2.9	0.0
123.7	87.5°	51.3	82.0	75.3	59.4	26.8	5.8	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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