

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: P945555

Luminaire Tested: **GALN-SB1C-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945555
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-SB1C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

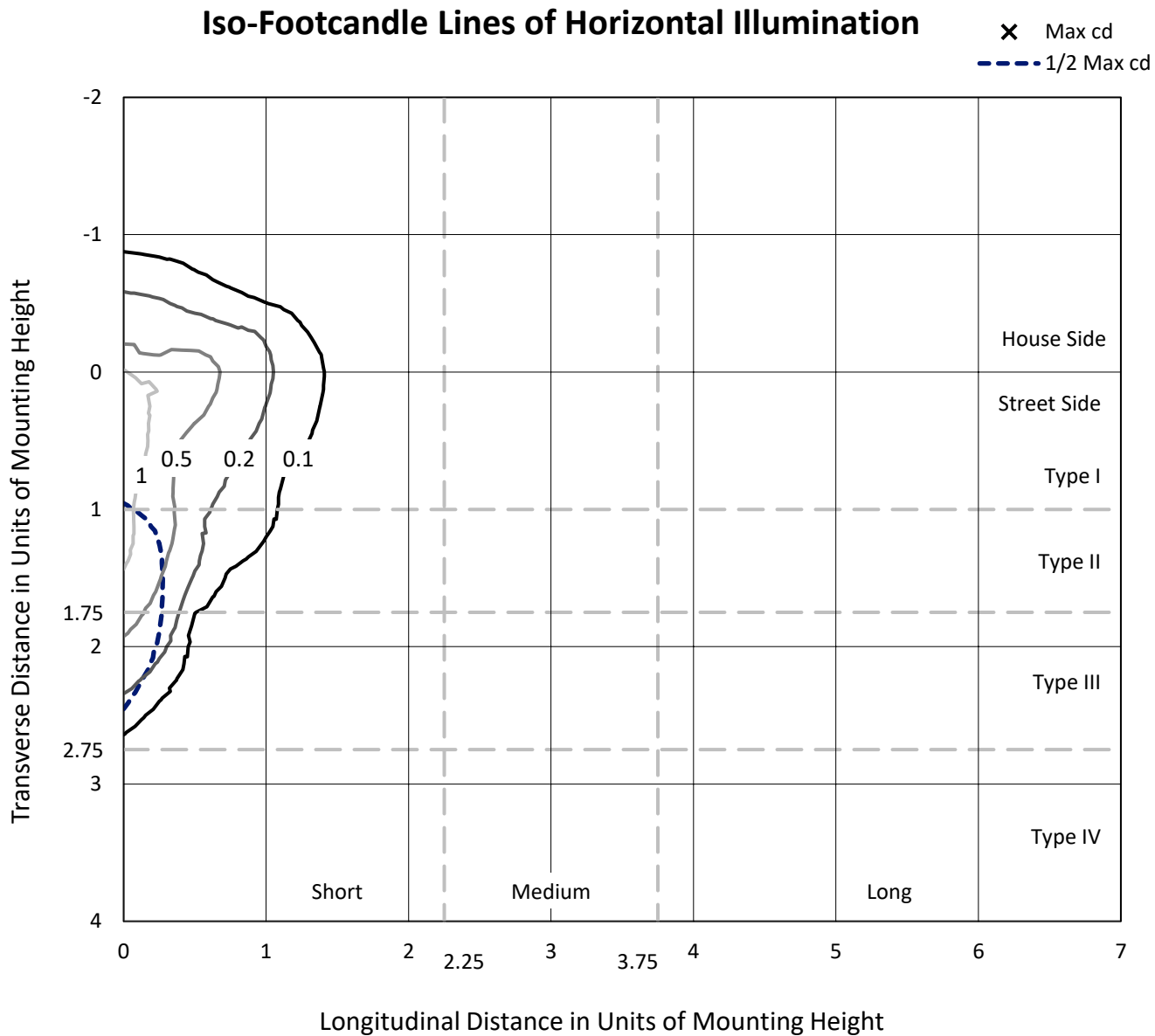
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4723 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4
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



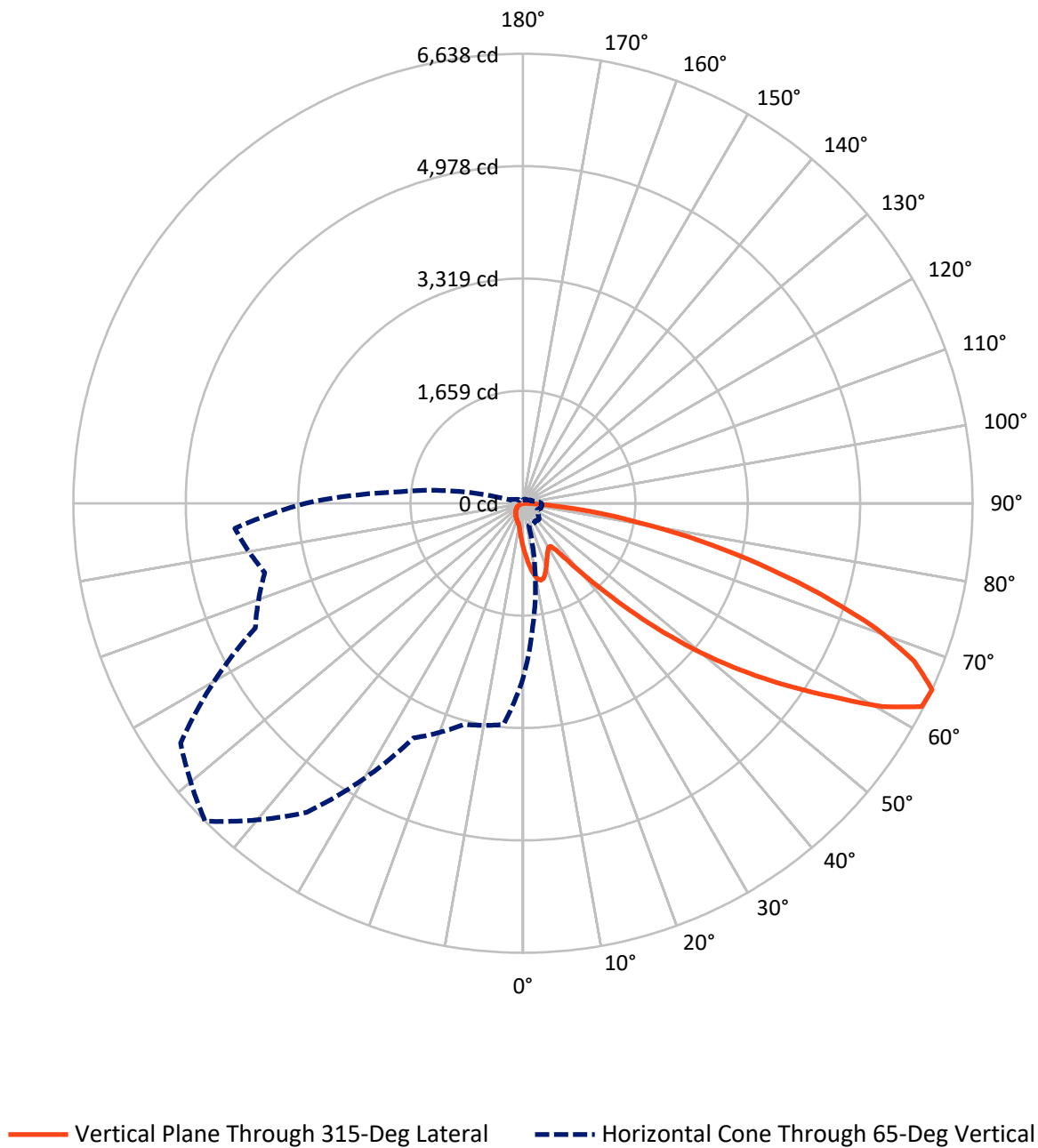
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Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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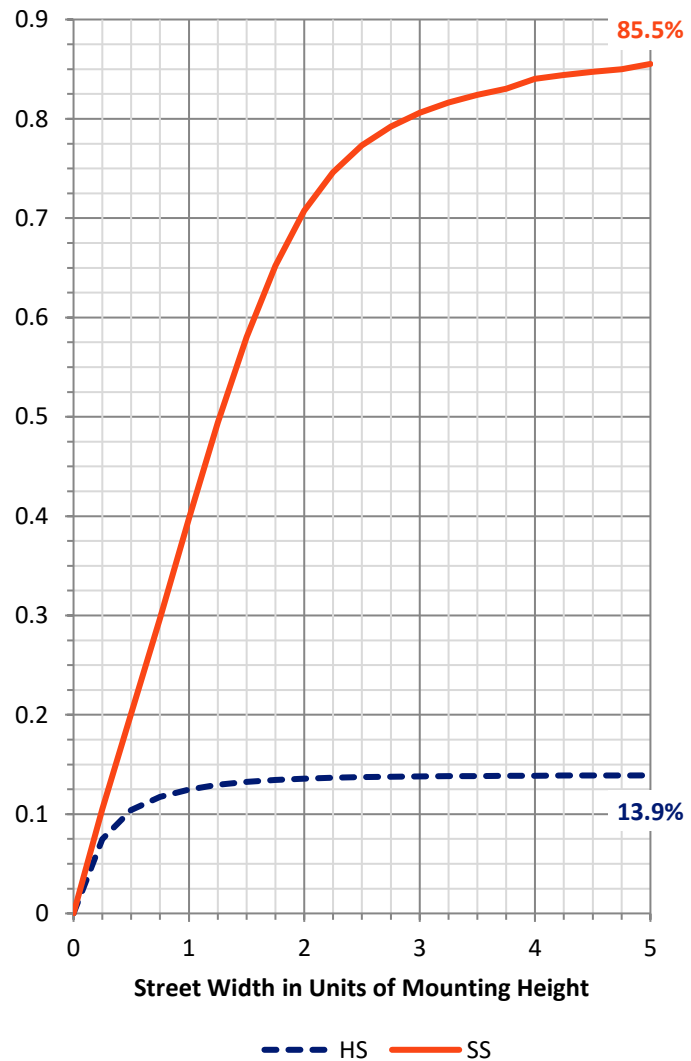
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	661.4	0.0	661.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	4061.6	0.0	4061.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.4
10°-20°	193.0	4.1
20°-30°	284.3	6.0
30°-40°	365.3	7.7
40°-50°	590.8	12.5
50°-60°	1036.1	21.9
60°-70°	1296.4	27.4
70°-80°	757.5	16.0
80°-90°	135.2	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°	4723.0	100.0
0°-180°	4723.0	100.0

Coefficient of Utilization



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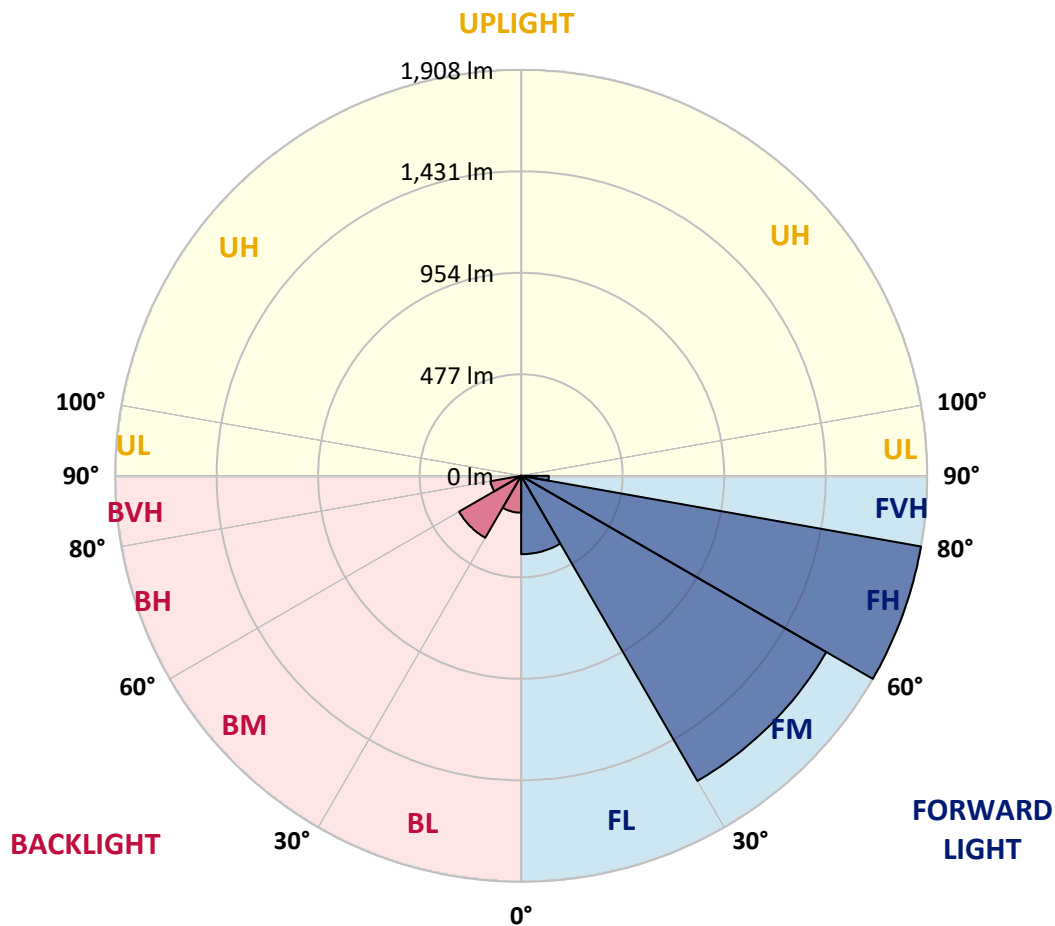
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.4	7.8			
FM	(30°-60°)	1655.4	35.0			
FH	(60°-80°)	1907.9	40.4			G2/5000
FVH	(80°-90°)	130.0	2.8			G2/225
BL	(0°-30°)	173.4	3.7	B1/500		
BM	(30°-60°)	336.8	7.1	B1/1000		
BH	(60°-80°)	146.0	3.1	B1/500		G1/500
BVH	(80°-90°)	5.2	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°	90°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	738.9	726.2	718.7	700.2	681.6	666.7	646.5	633.2	617.2	601.9	588.3
5°	823.5	803.0	778.3	744.4	713.5	682.0	651.4	621.1	589.2	560.0	542.1
7.5°	895.1	865.5	821.9	777.0	737.6	699.5	663.7	623.7	585.0	539.1	514.7
10°	949.7	912.0	854.7	795.8	750.6	712.2	677.4	643.6	604.5	549.2	518.6
12.5°	982.9	942.6	874.6	805.6	753.9	710.9	683.9	669.0	653.7	598.7	562.9
15°	1007.3	963.7	888.6	812.4	746.4	693.7	673.8	688.8	706.4	671.2	629.9
17.5°	1032.7	986.8	906.8	815.4	726.2	660.2	651.7	690.4	731.1	729.5	688.5
20°	1056.8	1011.2	922.7	813.4	693.7	619.5	627.0	676.4	723.6	743.5	721.3
22.5°	1084.4	1036.3	938.0	805.9	651.4	581.4	604.9	654.3	695.6	719.1	712.2
25°	1118.3	1067.8	959.5	794.9	605.8	549.9	582.4	628.6	662.1	678.4	678.1
27.5°	1154.7	1105.6	988.1	789.0	569.1	527.4	557.0	598.0	628.0	639.3	639.3
30°	1199.9	1149.5	1022.0	782.5	545.0	514.4	530.7	562.6	591.8	603.2	603.2
32.5°	1249.4	1198.3	1054.5	766.9	530.3	504.6	505.0	525.1	551.8	565.5	567.4
35°	1311.2	1256.9	1089.3	732.7	518.6	493.3	479.9	489.7	511.8	528.1	532.3
37.5°	1399.4	1333.7	1131.9	683.9	501.4	475.7	453.6	455.8	472.8	490.7	497.2
40°	1521.1	1436.8	1182.1	633.2	476.7	451.0	424.6	423.6	436.0	453.6	460.7
42.5°	1685.7	1573.1	1242.2	584.7	452.9	421.0	394.0	392.4	402.2	417.4	424.9
45°	1903.1	1747.5	1316.1	543.0	434.4	391.7	365.1	364.4	372.5	385.9	393.7
47.5°	2181.2	1989.9	1390.0	514.7	424.6	368.6	341.3	342.6	349.8	361.8	367.3
50°	2541.4	2305.9	1412.4	500.4	424.6	356.3	320.2	326.7	332.5	341.6	344.9
52.5°	2973.2	2609.1	1338.2	487.4	427.2	357.9	302.3	316.3	320.5	328.3	329.6
55°	3373.4	2757.8	1150.5	469.5	427.9	368.0	287.0	307.8	315.6	318.5	318.2
57.5°	3605.7	2706.7	930.2	439.2	425.3	374.8	277.2	297.4	312.4	314.3	311.4
60°	3561.4	2527.4	684.9	416.1	406.1	372.2	274.3	281.4	305.2	308.1	304.2
62.5°	3220.5	2226.8	475.4	398.2	363.8	360.8	273.3	256.4	289.6	296.7	291.2
65°	2588.6	1753.1	335.8	342.9	318.9	336.1	268.1	230.4	270.7	280.5	272.0
67.5°	1878.0	1186.3	242.4	277.9	288.9	296.1	256.4	211.5	249.2	262.2	251.2
70°	1205.2	640.6	170.2	183.5	243.4	251.5	236.2	194.6	227.4	242.4	230.4
72.5°	856.7	378.4	122.3	128.5	195.5	209.5	207.9	175.7	202.1	220.3	206.0
75°	591.2	208.6	82.6	91.8	141.9	170.2	160.4	151.0	171.1	189.7	175.7
77.5°	370.6	93.4	49.5	63.8	93.1	133.7	110.0	116.8	133.4	150.6	136.0
80°	206.3	36.1	27.7	42.3	50.8	97.3	60.8	75.2	98.3	110.6	98.9
82.5°	44.9	4.6	12.4	18.2	19.8	56.6	32.2	43.6	61.8	60.8	52.7
85°	0.0	0.0	2.3	2.6	1.3	24.4	11.7	14.3	20.2	18.9	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
90°	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	585.7	569.7	558.0	552.1	547.3	551.8	554.4	554.4	565.5	572.0	574.6
5°	530.7	502.0	480.2	465.6	456.8	459.7	463.0	466.6	480.6	490.0	496.2
7.5°	492.6	448.7	415.5	395.0	384.3	385.9	388.2	391.1	404.8	414.2	422.3
10°	485.4	422.3	375.5	348.5	335.5	333.2	331.9	330.9	339.0	346.2	352.7
12.5°	514.7	423.6	358.2	325.4	309.4	302.6	294.8	288.6	289.9	294.5	302.6
15°	567.1	440.2	352.7	313.3	293.5	282.1	273.0	265.5	263.9	265.5	266.8
17.5°	627.0	462.7	352.0	302.9	278.2	266.5	259.0	252.2	249.9	250.2	251.8
20°	666.7	480.6	350.1	291.2	263.5	253.1	246.6	239.8	237.5	238.2	238.5
22.5°	670.6	490.0	347.2	278.2	248.9	240.1	233.6	227.4	227.1	227.1	229.1
25°	649.4	490.0	341.0	266.5	234.9	227.1	221.2	213.8	215.1	215.7	218.3
27.5°	616.6	478.3	329.3	257.0	222.9	214.7	208.9	202.1	203.7	204.7	207.6
30°	584.0	463.3	315.3	246.3	211.5	202.1	197.8	192.0	192.6	193.9	197.2
32.5°	553.8	447.4	298.7	237.5	200.1	190.7	187.4	180.9	181.9	183.2	186.8
35°	523.8	429.8	279.2	227.1	189.7	180.3	177.6	170.2	170.8	172.8	176.7
37.5°	491.6	411.3	263.2	216.7	179.6	169.8	167.2	159.4	160.1	162.4	166.9
40°	457.8	393.0	247.6	205.6	168.9	159.1	156.8	148.4	149.0	151.6	156.5
42.5°	423.6	373.2	235.6	191.3	157.8	147.4	145.1	137.3	138.3	141.2	146.1
45°	392.1	349.4	227.8	175.4	147.4	135.7	133.4	126.2	128.2	131.4	136.3
47.5°	365.1	325.0	224.5	162.0	136.3	123.6	121.7	115.8	119.1	122.7	126.6
50°	342.0	301.6	220.3	148.4	125.9	113.2	111.3	107.4	111.6	115.2	118.8
52.5°	325.4	274.9	211.2	136.0	116.8	104.4	103.8	101.8	105.7	109.0	112.3
55°	311.0	247.3	196.5	125.3	108.7	97.0	97.6	96.6	99.9	102.5	105.4
57.5°	298.0	223.2	178.0	116.8	99.9	90.5	92.4	91.1	92.7	94.4	97.9
60°	282.4	198.8	155.9	107.4	89.5	83.9	86.2	82.6	82.3	83.0	83.9
62.5°	259.3	165.9	132.7	95.7	80.4	76.8	77.8	70.9	65.7	65.7	66.7
65°	227.1	133.4	111.3	82.6	70.0	67.0	66.4	56.6	49.5	48.8	51.7
67.5°	189.7	109.6	92.4	69.6	58.2	56.3	56.9	49.8	42.6	42.0	45.2
70°	154.5	90.8	74.5	55.6	44.9	46.9	49.8	42.6	35.8	34.8	37.7
72.5°	125.6	72.2	58.2	42.6	33.2	38.7	42.3	34.8	28.3	27.7	30.3
75°	97.0	53.0	41.6	29.0	24.1	29.9	33.2	25.4	20.2	19.2	21.5
77.5°	64.7	32.9	23.4	18.2	14.3	20.5	22.1	13.3	11.7	11.4	13.0
80°	39.4	15.3	10.1	8.8	4.9	7.5	8.8	5.5	6.2	6.5	7.8
82.5°	19.8	4.2	1.6	0.3	0.0	0.0	2.6	1.3	2.6	3.3	4.9
85°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
90°	0.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	592.8	606.5	619.5	640.3	661.8	682.9	704.4	725.2	732.7	738.3	750.6
5°	524.5	550.2	580.1	621.4	665.7	711.2	757.5	799.7	818.9	832.0	861.2
7.5°	453.9	487.4	530.3	592.5	661.8	734.3	806.9	873.6	904.5	929.6	974.1
10°	383.9	420.4	474.7	545.6	639.3	743.5	843.7	935.4	975.4	1007.0	1067.5
12.5°	322.4	356.6	413.5	492.0	604.2	736.3	864.8	975.1	1022.3	1057.8	1124.1
15°	279.2	303.2	353.7	438.3	562.6	713.2	866.1	994.0	1045.7	1082.8	1140.4
17.5°	255.1	263.2	296.1	383.6	516.4	682.9	854.1	1000.5	1055.8	1090.3	1130.3
20°	242.1	243.4	252.5	312.7	457.1	654.6	842.7	1007.0	1065.2	1094.2	1106.2
22.5°	231.7	231.7	233.9	255.7	380.7	620.8	839.1	1018.4	1078.3	1096.2	1071.4
25°	222.2	222.2	222.9	228.7	301.6	569.1	836.8	1036.0	1096.2	1101.0	1033.0
27.5°	212.5	212.8	212.8	216.0	243.0	498.8	827.1	1058.7	1117.6	1107.5	996.3
30°	202.7	203.4	203.4	205.6	215.1	416.5	807.9	1086.1	1145.6	1116.0	959.8
32.5°	192.9	193.6	193.6	195.5	202.4	332.5	783.8	1111.1	1173.9	1119.6	926.0
35°	182.9	183.8	183.2	185.8	192.9	264.5	753.2	1136.2	1204.5	1131.0	909.4
37.5°	172.8	173.4	173.1	175.7	183.8	228.4	717.8	1155.0	1246.1	1156.3	929.2
40°	162.7	162.4	162.4	165.3	174.1	218.0	673.2	1185.0	1306.0	1200.9	1015.8
42.5°	152.3	152.3	151.6	154.9	165.6	210.2	630.6	1238.7	1393.2	1271.9	1169.4
45°	142.8	142.5	141.2	144.1	157.5	196.5	615.6	1338.9	1522.1	1386.7	1355.1
47.5°	133.7	133.4	130.1	132.7	147.7	184.2	671.6	1502.9	1700.7	1555.6	1529.2
50°	125.6	125.9	119.7	122.0	138.0	174.7	792.9	1715.7	1937.9	1783.0	1694.2
52.5°	118.1	118.1	110.0	111.3	125.9	166.3	908.4	1946.3	2250.9	2100.2	1886.5
55°	110.6	110.0	100.9	101.5	113.9	154.2	925.7	2171.5	2677.8	2577.5	2149.4
57.5°	102.2	100.9	92.4	92.4	102.8	145.4	802.4	2344.6	3207.5	3279.0	2528.4
60°	91.8	90.8	85.2	83.6	94.0	153.2	566.1	2364.8	3549.1	4211.9	3254.3
62.5°	78.4	79.7	76.8	74.5	85.6	159.1	335.5	2202.4	3466.4	4508.6	4123.7
65°	61.8	67.0	66.4	64.7	94.0	134.1	198.1	1890.7	3213.0	4269.1	3946.4
67.5°	52.7	56.3	55.3	55.3	98.6	101.8	124.6	1477.2	2864.2	3985.1	3525.0
70°	44.9	48.5	44.9	44.9	74.5	61.8	86.2	1031.4	2487.7	3670.8	3248.4
72.5°	37.1	40.7	36.8	34.2	59.5	46.2	63.1	644.5	2130.5	3343.5	3059.1
75°	28.3	32.5	29.6	26.4	39.4	34.5	47.8	374.5	1765.1	2860.6	2789.4
77.5°	17.9	23.4	22.1	18.5	29.0	25.1	34.5	222.9	1362.0	2235.3	2399.2
80°	11.1	12.0	12.4	11.7	16.6	16.9	23.4	126.9	932.2	1557.8	1874.4
82.5°	7.2	7.2	5.5	6.2	8.1	9.8	13.3	47.8	547.9	948.4	1304.7
85°	5.2	4.6	2.9	2.9	3.9	4.9	5.2	14.6	222.2	374.5	510.2
87.5°	2.6	2.3	1.0	1.3	2.0	1.6	1.3	0.7	56.0	119.7	83.9
90°	0.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	757.1	767.2	767.9	767.9	759.1	758.8	740.9	738.9
5°	891.5	898.0	899.6	896.4	878.8	865.8	831.0	823.5
7.5°	1014.5	1027.5	1027.5	1019.7	991.1	964.4	914.0	895.1
10°	1112.7	1127.7	1124.5	1108.5	1072.4	1035.6	974.5	949.7
12.5°	1160.6	1175.9	1167.4	1149.2	1114.1	1075.3	1010.9	982.9
15°	1159.6	1155.4	1146.6	1144.3	1127.4	1098.1	1037.9	1007.3
17.5°	1118.3	1082.5	1075.7	1098.4	1119.9	1112.7	1061.3	1032.7
20°	1052.9	990.4	984.2	1027.8	1089.0	1120.2	1083.1	1056.8
22.5°	983.9	916.6	902.2	950.4	1042.5	1122.5	1110.8	1084.4
25°	918.5	850.8	836.5	881.4	990.7	1118.6	1140.7	1118.3
27.5°	863.8	798.4	785.1	830.0	941.0	1107.5	1170.7	1154.7
30°	821.5	761.0	751.3	794.5	898.0	1093.9	1208.7	1199.9
32.5°	796.8	752.6	756.1	791.6	874.9	1078.9	1245.2	1249.4
35°	821.2	823.2	854.4	869.1	896.4	1076.6	1294.6	1311.2
37.5°	942.6	1010.3	1075.0	1063.0	1001.5	1103.0	1368.5	1399.4
40°	1149.2	1288.1	1393.2	1347.3	1192.5	1183.7	1474.9	1521.1
42.5°	1401.7	1637.2	1810.3	1687.3	1438.8	1324.9	1626.8	1685.7
45°	1668.1	2067.7	2340.4	2084.6	1701.3	1522.7	1856.9	1903.1
47.5°	1948.9	2590.9	2943.6	2525.2	1944.7	1747.9	2170.5	2181.2
50°	2256.1	3164.5	3558.5	2965.4	2179.6	2005.9	2553.8	2541.4
52.5°	2548.6	3754.4	4160.4	3407.6	2385.9	2326.0	2998.6	2973.2
55°	2827.8	4344.0	4766.0	3832.5	2580.5	2749.0	3527.0	3373.4
57.5°	3151.5	4874.0	5390.0	4259.4	2852.5	3298.2	4117.8	3605.7
60°	3630.1	5476.2	6095.7	4844.4	3369.8	3875.4	4329.6	3561.4
62.5°	4241.1	6030.0	6608.8	5417.7	3889.4	3984.1	4017.6	3220.5
65°	4359.9	6170.2	6637.8	5570.9	3822.4	3379.6	3280.0	2588.6
67.5°	4044.9	5916.8	6233.0	5285.6	3381.2	2611.7	2461.4	1878.0
70°	3691.6	5433.6	5527.6	4800.4	2973.8	1921.0	1662.3	1205.2
72.5°	3329.5	4789.1	4594.5	4168.9	2613.7	1398.7	1199.0	856.7
75°	2899.3	3941.5	3619.0	3463.8	2164.0	1097.8	867.4	591.2
77.5°	2321.8	2774.4	2688.2	2684.9	1626.2	802.0	578.8	370.6
80°	1637.9	1800.6	1756.6	2022.1	1091.0	581.8	348.5	206.3
82.5°	792.9	995.6	1022.0	1204.2	530.7	342.3	80.4	44.9
85°	310.4	480.2	405.1	457.1	149.0	95.3	2.0	0.0
87.5°	34.8	55.6	51.1	40.3	18.2	3.9	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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