

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: P946267

Luminaire Tested: **GALN-SB2A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946267
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-SB2A-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5656 lumens
Efficiency: N/A
Efficacy: 98.7 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): 57.3
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



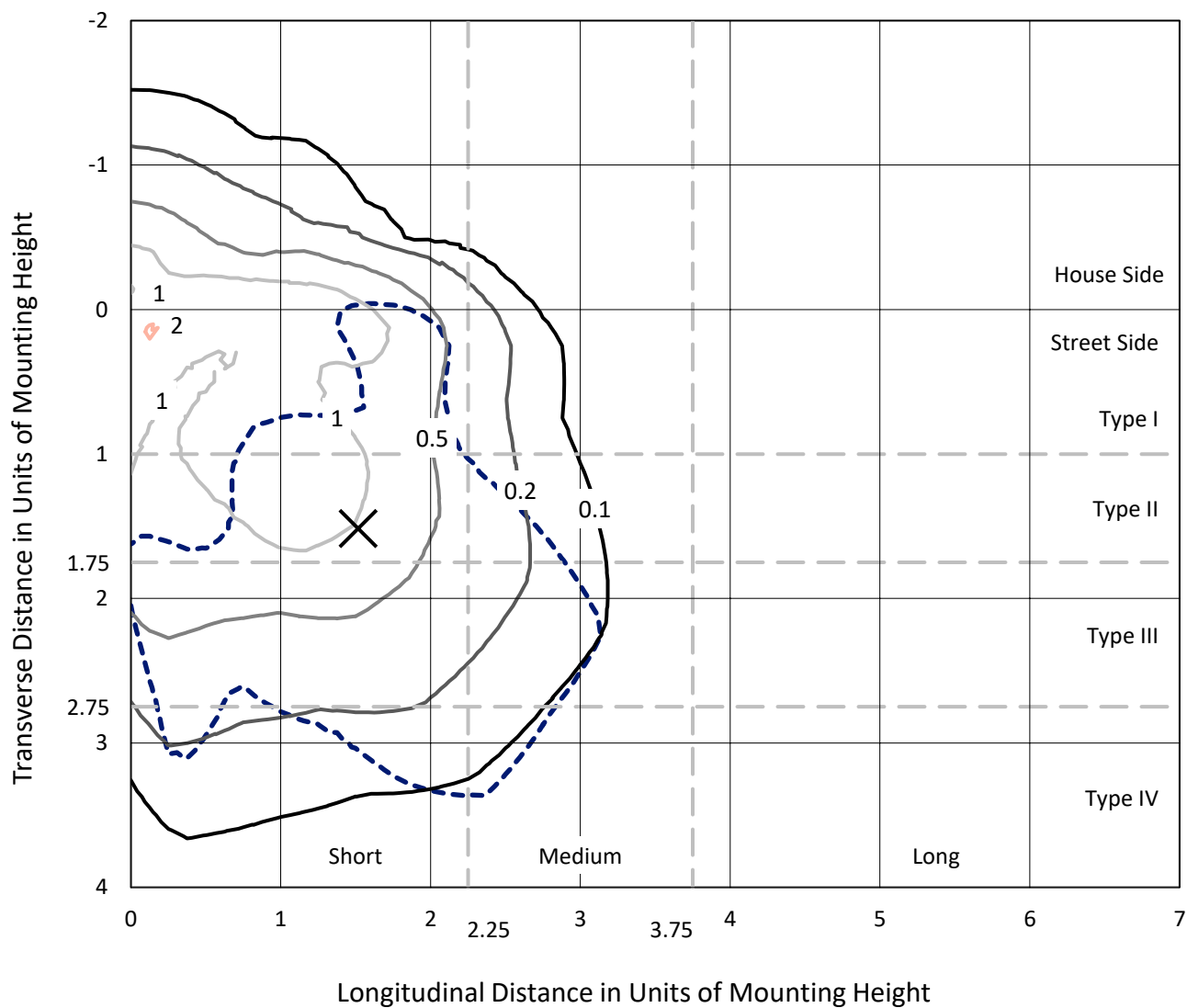
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

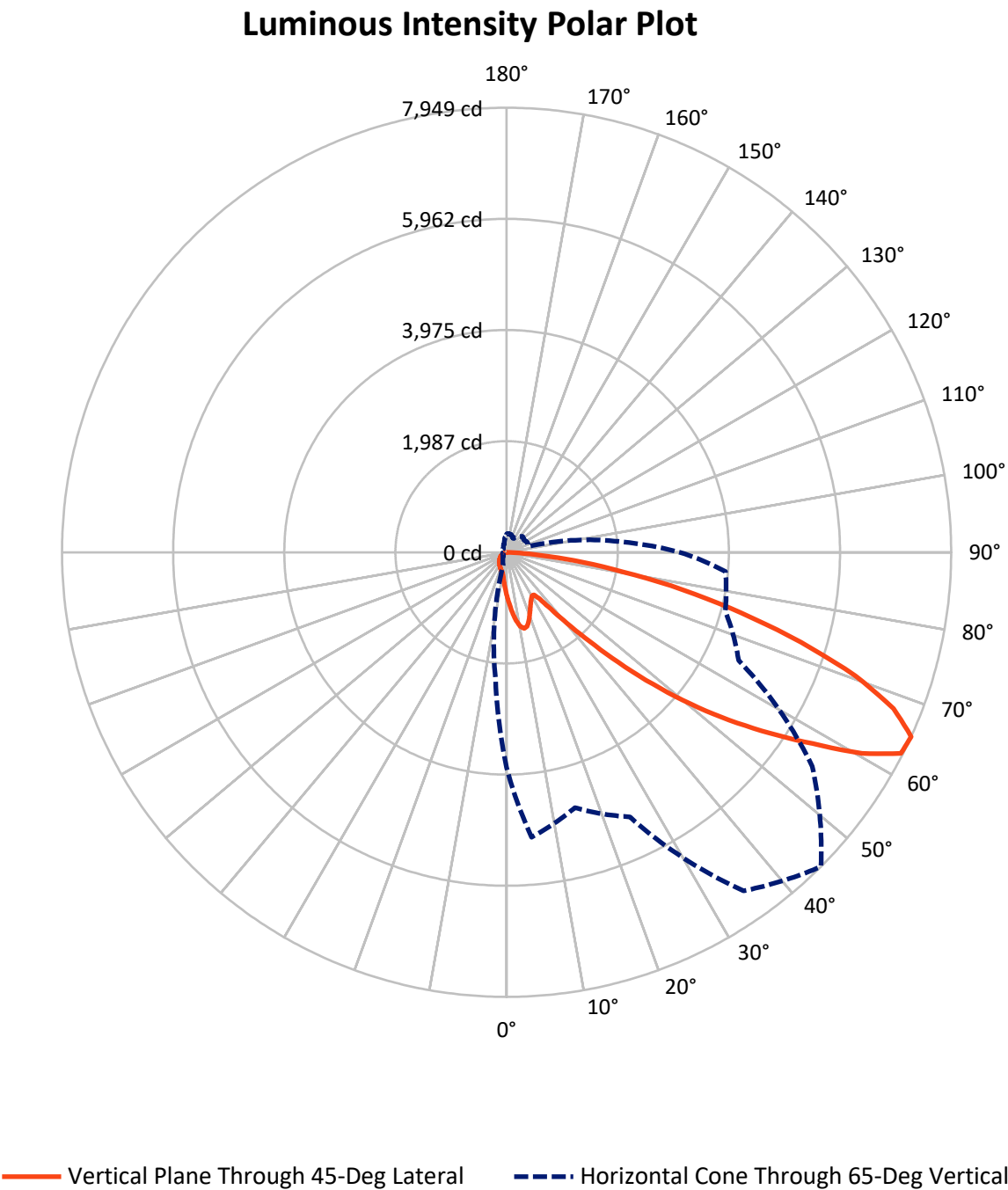
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc

Type IV - Short - N/A

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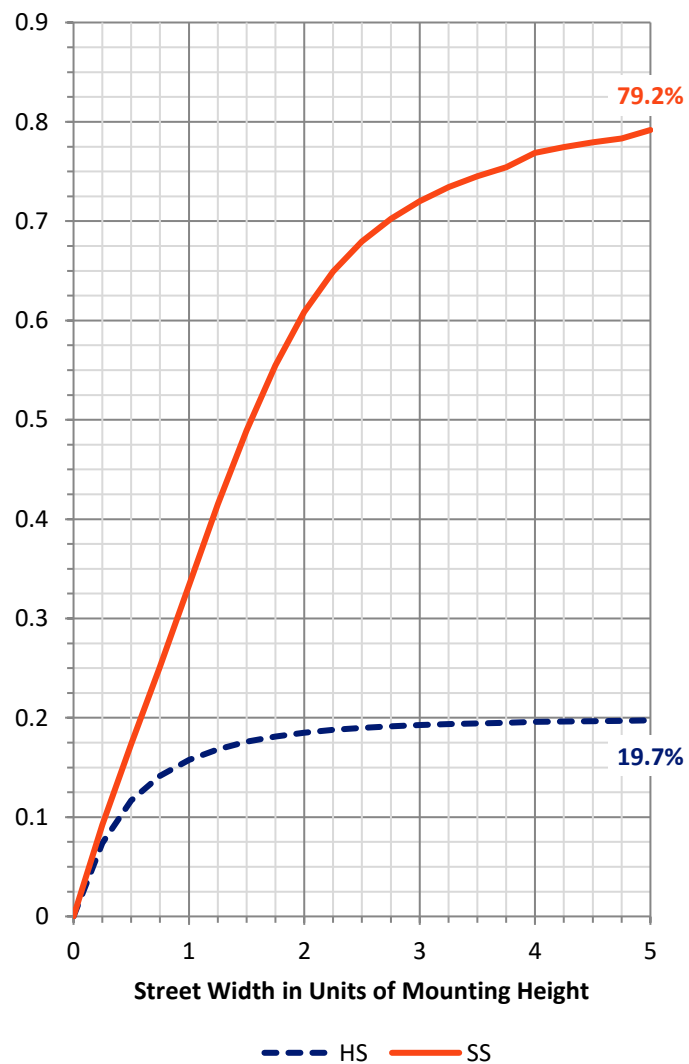
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1124.2	0.0	1124.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4531.8	0.0	4531.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	5656.0	0.0	5656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.4
10°-20°	231.1	4.1
20°-30°	340.5	6.0
30°-40°	437.5	7.7
40°-50°	707.5	12.5
50°-60°	1240.7	21.9
60°-70°	1552.5	27.4
70°-80°	907.2	16.0
80°-90°	161.9	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°	5656.0	100.0
0°-180°	5656.0	100.0

Coefficient of Utilization



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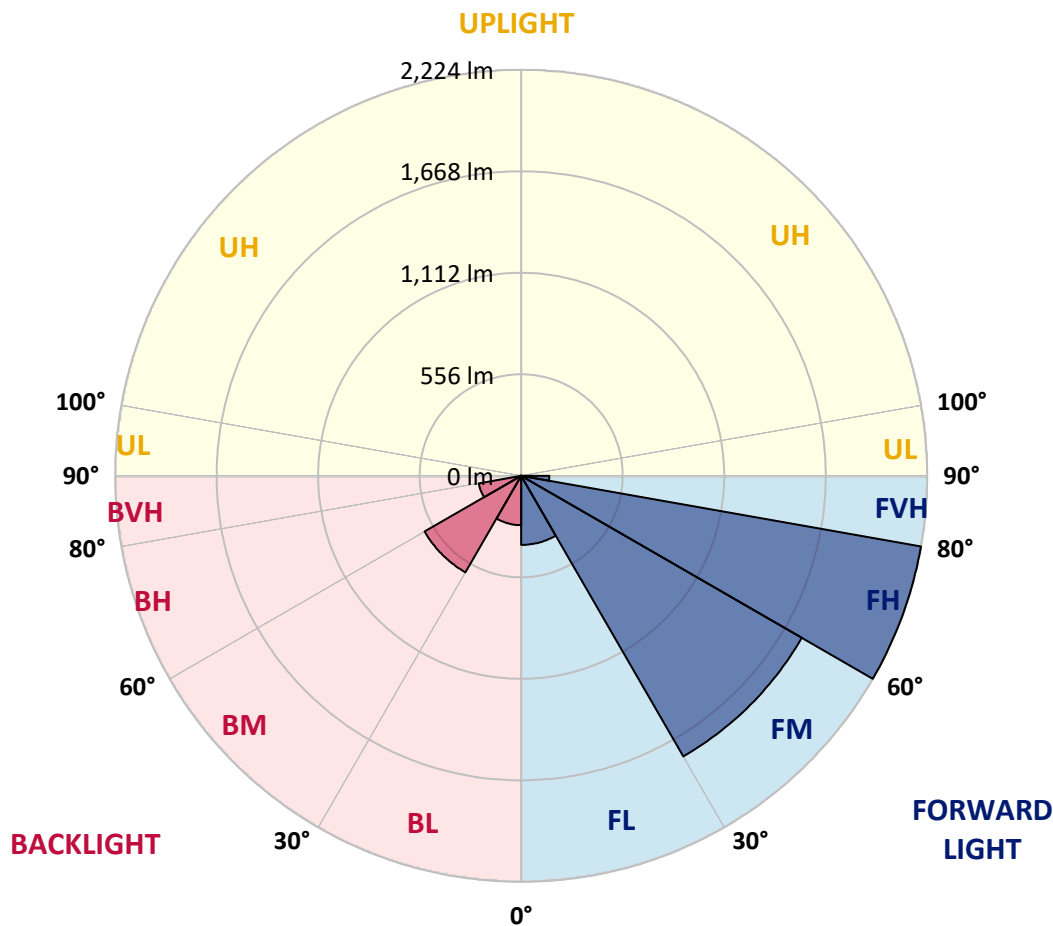
CATALOG NUMBER: GALN-SB2A-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.5	6.7			
FM	(30°-60°)	1774.9	31.4			
FH	(60°-80°)	2224.1	39.3			G2/5000
FVH	(80°-90°)	154.3	2.7			G2/225
BL	(0°-30°)	270.3	4.8	B1/500		
BM	(30°-60°)	610.8	10.8	B1/1000		
BH	(60°-80°)	235.6	4.2	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°	90°
0°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2
2.5°	877.5	884.1	898.9	906.7	918.8	919.5	919.5	909.0	908.6	887.2	884.9
5°	980.7	996.3	1031.4	1067.6	1075.4	1077.4	1073.5	1052.4	1036.8	995.1	986.2
7.5°	1083.2	1113.2	1166.6	1214.9	1230.5	1230.5	1221.1	1186.8	1154.9	1094.5	1071.9
10°	1168.1	1205.9	1278.4	1332.6	1350.5	1346.6	1327.5	1284.3	1240.2	1167.0	1137.4
12.5°	1224.2	1266.7	1346.2	1389.8	1408.2	1398.0	1376.2	1334.1	1287.8	1210.6	1177.1
15°	1252.3	1296.7	1365.7	1388.7	1383.6	1373.1	1370.4	1350.1	1315.0	1242.9	1206.3
17.5°	1264.4	1305.7	1353.6	1339.2	1296.3	1288.1	1315.4	1341.1	1332.6	1271.0	1236.7
20°	1275.7	1310.4	1324.8	1260.9	1186.1	1178.7	1230.9	1304.1	1341.5	1297.1	1265.5
22.5°	1291.3	1312.7	1283.1	1178.3	1097.6	1080.5	1138.1	1248.4	1344.3	1330.2	1298.7
25°	1312.7	1318.5	1237.1	1100.0	1018.9	1001.8	1055.5	1186.5	1339.6	1366.1	1339.2
27.5°	1338.4	1326.3	1193.1	1034.5	956.2	940.2	994.0	1126.8	1326.3	1401.9	1382.8
30°	1371.9	1336.5	1149.4	983.8	911.4	899.7	951.5	1075.4	1310.0	1447.5	1437.0
32.5°	1405.8	1340.7	1108.9	954.2	901.2	905.5	948.0	1047.7	1292.0	1491.1	1496.2
35°	1442.4	1354.4	1089.0	983.4	985.8	1023.2	1040.7	1073.5	1289.3	1550.4	1570.2
37.5°	1492.3	1384.8	1112.8	1128.8	1209.8	1287.4	1273.0	1199.3	1320.9	1638.8	1675.8
40°	1564.0	1438.2	1216.5	1376.2	1542.6	1668.4	1613.5	1428.0	1417.5	1766.2	1821.6
42.5°	1668.4	1523.1	1400.4	1678.6	1960.7	2168.0	2020.7	1723.0	1586.6	1948.2	2018.7
45°	1822.7	1660.6	1622.8	1997.7	2476.2	2802.7	2496.4	2037.4	1823.5	2223.7	2279.0
47.5°	2036.6	1862.9	1831.3	2333.9	3102.7	3525.1	3024.0	2328.9	2093.1	2599.3	2612.1
50°	2320.7	2135.2	2028.9	2701.8	3789.6	4261.5	3551.2	2610.2	2402.1	3058.3	3043.5
52.5°	2695.5	2515.1	2259.1	3052.0	4496.0	4982.3	4080.7	2857.2	2785.5	3590.9	3560.5
55°	3206.7	3086.7	2574.0	3386.4	5202.1	5707.4	4589.6	3090.2	3292.1	4223.7	4039.8
57.5°	3841.1	3926.8	3027.9	3774.0	5836.8	6454.8	5100.8	3416.0	3949.8	4931.3	4318.0
60°	4250.2	5043.9	3897.2	4347.2	6558.0	7299.9	5801.3	4035.5	4641.0	5184.9	4265.0
62.5°	4151.2	5399.2	4938.3	5078.9	7221.2	7914.4	6487.9	4657.7	4771.1	4811.3	3856.6
65°	3847.7	5112.5	4725.9	5221.2	7389.1	7949.0	6671.4	4577.5	4047.2	3928.0	3100.0
67.5°	3430.0	4772.3	4221.4	4844.0	7085.6	7464.3	6329.7	4049.1	3127.6	2947.6	2249.0
70°	2979.2	4395.9	3890.2	4420.8	6507.0	6619.6	5748.7	3561.3	2300.4	1990.7	1443.2
72.5°	2551.4	4003.9	3663.4	3987.2	5735.1	5502.1	4992.4	3130.0	1675.1	1435.8	1025.9
75°	2113.8	3425.7	3340.4	3472.1	4720.1	4334.0	4148.1	2591.5	1314.6	1038.8	708.0
77.5°	1631.0	2676.8	2873.2	2780.5	3322.5	3219.2	3215.3	1947.4	960.5	693.2	443.8
80°	1116.3	1865.6	2244.7	1961.4	2156.3	2103.7	2421.6	1306.5	696.7	417.3	247.0
82.5°	656.2	1135.8	1562.5	949.6	1192.3	1223.9	1442.1	635.5	409.9	96.2	53.8
85°	266.1	448.5	611.0	371.7	575.1	485.1	547.4	178.5	114.2	2.3	0.0
87.5°	67.0	143.4	100.5	41.7	66.6	61.2	48.3	21.8	4.7	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2
2.5°	869.7	860.7	838.5	816.3	798.4	774.2	758.2	739.1	720.8	704.5	701.4
5°	961.6	932.0	891.5	854.5	816.7	780.1	743.8	705.6	670.6	649.1	635.5
7.5°	1036.4	984.2	930.5	883.3	837.7	794.9	746.9	700.6	645.6	616.4	589.9
10°	1092.2	1023.6	953.1	898.9	852.9	811.2	770.7	723.9	657.7	621.1	581.3
12.5°	1128.8	1047.4	964.7	902.8	851.4	819.0	801.1	782.8	716.9	674.1	616.4
15°	1154.1	1064.1	972.9	893.8	830.7	806.9	824.9	845.9	803.8	754.3	679.1
17.5°	1181.8	1085.9	976.4	869.7	790.6	780.4	826.8	875.5	873.6	824.5	750.8
20°	1211.0	1105.0	974.1	830.7	741.9	750.8	810.1	866.6	890.3	863.8	798.4
22.5°	1241.0	1123.3	965.1	780.1	696.3	724.3	783.6	833.0	861.1	852.9	803.0
25°	1278.8	1149.0	951.9	725.5	658.5	697.5	752.8	792.9	812.4	812.0	777.7
27.5°	1324.0	1183.3	944.9	681.5	631.6	667.1	716.2	752.0	765.6	765.6	738.4
30°	1376.6	1223.9	937.1	652.6	616.0	635.5	673.7	708.8	722.4	722.4	699.4
32.5°	1435.0	1262.8	918.4	635.1	604.3	604.7	628.9	660.8	677.2	679.5	663.2
35°	1505.2	1304.5	877.5	621.1	590.7	574.7	586.4	612.9	632.4	637.4	627.3
37.5°	1597.1	1355.6	819.0	600.4	569.7	543.2	545.9	566.1	587.6	595.4	588.7
40°	1720.6	1415.6	758.2	570.8	540.0	508.5	507.3	522.1	543.2	551.7	548.2
42.5°	1883.9	1487.6	700.2	542.4	504.2	471.9	469.9	481.6	499.9	508.9	507.3
45°	2092.8	1576.1	650.3	520.2	469.1	437.2	436.4	446.1	462.1	471.5	469.5
47.5°	2383.0	1664.5	616.4	508.5	441.5	408.7	410.3	418.9	433.3	439.9	437.2
50°	2761.4	1691.4	599.3	508.5	426.7	383.4	391.2	398.2	409.1	413.0	409.5
52.5°	3124.5	1602.6	583.7	511.6	428.6	362.0	378.7	383.8	393.1	394.7	389.6
55°	3302.6	1377.8	562.2	512.4	440.7	343.7	368.6	378.0	381.5	381.1	372.5
57.5°	3241.4	1114.0	526.0	509.3	448.9	332.0	356.1	374.1	376.4	372.9	356.9
60°	3026.7	820.2	498.3	486.3	445.7	328.5	337.0	365.5	369.0	364.3	338.2
62.5°	2666.7	569.3	476.9	435.6	432.1	327.3	307.0	346.8	355.4	348.7	310.5
65°	2099.4	402.1	410.7	381.8	402.5	321.1	275.9	324.2	335.9	325.7	272.0
67.5°	1420.6	290.3	332.8	346.0	354.6	307.0	253.3	298.5	314.0	300.8	227.2
70°	767.2	203.8	219.8	291.5	301.2	282.9	233.0	272.4	290.3	275.9	185.1
72.5°	453.2	146.5	153.9	234.2	250.9	249.0	210.4	242.0	263.8	246.6	150.4
75°	249.8	99.0	109.9	169.9	203.8	192.1	180.8	205.0	227.2	210.4	116.1
77.5°	111.8	59.2	76.4	111.4	160.1	131.7	139.9	159.8	180.4	162.9	77.5
80°	43.2	33.1	50.7	60.8	116.5	72.9	90.0	117.7	132.5	118.5	47.1
82.5°	5.5	14.8	21.8	23.8	67.8	38.6	52.2	74.0	72.9	63.1	23.8
85°	0.0	2.7	3.1	1.6	29.2	14.0	17.1	24.2	22.6	17.1	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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	0.0

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2
2.5°	682.3	668.2	661.2	655.4	660.8	663.9	663.9	677.2	685.0	688.1	709.9
5°	601.2	575.1	557.6	547.1	550.6	554.5	558.7	575.5	586.8	594.2	628.1
7.5°	537.3	497.6	473.0	460.2	462.1	464.8	468.3	484.7	496.0	505.8	543.5
10°	505.8	449.6	417.3	401.7	399.0	397.4	396.3	406.0	414.6	422.4	459.8
12.5°	507.3	429.0	389.6	370.5	362.4	353.0	345.6	347.2	352.6	362.4	386.1
15°	527.2	422.4	375.2	351.5	337.8	326.9	317.9	316.0	317.9	319.5	334.3
17.5°	554.1	421.6	362.8	333.1	319.1	310.2	302.0	299.2	299.6	301.6	305.5
20°	575.5	419.3	348.7	315.6	303.1	295.3	287.2	284.4	285.2	285.6	289.9
22.5°	586.8	415.7	333.1	298.1	287.6	279.8	272.4	272.0	272.0	274.3	277.4
25°	586.8	408.3	319.1	281.3	272.0	265.0	256.0	257.6	258.3	261.4	266.1
27.5°	572.8	394.3	307.8	266.9	257.2	250.1	242.0	243.9	245.1	248.6	254.4
30°	554.8	377.6	295.0	253.3	242.0	236.9	229.9	230.7	232.2	236.1	242.7
32.5°	535.8	357.7	284.4	239.6	228.3	224.4	216.6	217.8	219.4	223.7	231.1
35°	514.7	334.3	272.0	227.2	215.9	212.7	203.8	204.6	206.9	211.6	219.0
37.5°	492.5	315.2	259.5	215.1	203.4	200.3	190.9	191.7	194.4	199.9	206.9
40°	470.7	296.5	246.3	202.2	190.5	187.8	177.7	178.5	181.6	187.4	194.8
42.5°	446.9	282.1	229.1	189.0	176.5	173.8	164.4	165.6	169.1	174.9	182.4
45°	418.5	272.7	210.0	176.5	162.5	159.8	151.2	153.5	157.4	163.3	171.1
47.5°	389.2	268.9	194.0	163.3	148.1	145.7	138.7	142.6	146.9	151.6	160.1
50°	361.2	263.8	177.7	150.8	135.6	133.3	128.6	133.6	137.9	142.2	150.4
52.5°	329.2	252.9	162.9	139.9	125.1	124.3	122.0	126.6	130.5	134.4	141.4
55°	296.1	235.3	150.0	130.1	116.1	116.9	115.7	119.6	122.7	126.2	132.5
57.5°	267.3	213.1	139.9	119.6	108.3	110.7	109.1	111.0	113.0	117.3	122.3
60°	238.1	186.6	128.6	107.2	100.5	103.3	99.0	98.6	99.4	100.5	109.9
62.5°	198.7	159.0	114.6	96.2	92.0	93.1	84.9	78.7	78.7	79.9	93.9
65°	159.8	133.3	99.0	83.8	80.3	79.5	67.8	59.2	58.4	62.0	74.0
67.5°	131.3	110.7	83.4	69.7	67.4	68.2	59.6	51.0	50.3	54.2	63.1
70°	108.7	89.2	66.6	53.8	56.1	59.6	51.0	42.9	41.7	45.2	53.8
72.5°	86.5	69.7	51.0	39.7	46.4	50.7	41.7	33.9	33.1	36.2	44.4
75°	63.5	49.9	34.7	28.8	35.8	39.7	30.4	24.2	23.0	25.7	33.9
77.5°	39.4	28.1	21.8	17.1	24.5	26.5	16.0	14.0	13.6	15.6	21.4
80°	18.3	12.1	10.5	5.8	9.0	10.5	6.6	7.4	7.8	9.4	13.2
82.5°	5.1	1.9	0.4	0.0	0.0	3.1	1.6	3.1	3.9	5.8	8.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	3.5	6.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1
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°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2
2.5°	726.3	741.9	766.8	792.5	817.9	843.6	868.5	877.5
5°	658.9	694.7	744.2	797.2	851.8	907.1	957.7	980.7
7.5°	583.7	635.1	709.5	792.5	879.4	966.3	1046.2	1083.2
10°	503.4	568.5	653.4	765.6	890.3	1010.3	1120.2	1168.1
12.5°	427.0	495.2	589.1	723.6	881.8	1035.7	1167.7	1224.2
15°	363.1	423.5	524.8	673.7	854.1	1037.2	1190.3	1252.3
17.5°	315.2	354.6	459.4	618.4	817.9	1022.8	1198.1	1264.4
20°	291.5	302.4	374.4	547.4	784.0	1009.2	1205.9	1275.7
22.5°	277.4	280.2	306.3	455.9	743.4	1004.9	1219.6	1291.3
25°	266.1	266.9	273.9	361.2	681.5	1002.2	1240.6	1312.7
27.5°	254.8	254.8	258.7	291.1	597.3	990.5	1267.9	1338.4
30°	243.5	243.5	246.3	257.6	498.7	967.5	1300.6	1371.9
32.5°	231.8	231.8	234.2	242.4	398.2	938.6	1330.6	1405.8
35°	220.1	219.4	222.5	231.1	316.8	902.0	1360.6	1442.4
37.5°	207.7	207.3	210.4	220.1	273.5	859.5	1383.2	1492.3
40°	194.4	194.4	197.9	208.5	261.1	806.2	1419.1	1564.0
42.5°	182.4	181.6	185.5	198.3	251.7	755.1	1483.4	1668.4
45°	170.7	169.1	172.6	188.6	235.3	737.2	1603.4	1822.7
47.5°	159.8	155.9	159.0	176.9	220.5	804.2	1799.7	2036.6
50°	150.8	143.4	146.1	165.2	209.2	949.6	2054.6	2320.7
52.5°	141.4	131.7	133.3	150.8	199.1	1087.9	2330.8	2695.5
55°	131.7	120.8	121.6	136.4	184.7	1108.5	2600.5	3206.7
57.5°	120.8	110.7	110.7	123.1	174.2	960.9	2807.7	3841.1
60°	108.7	102.1	100.1	112.6	183.5	678.0	2831.9	4250.2
62.5°	95.5	92.0	89.2	102.5	190.5	401.7	2637.5	4151.2
65°	80.3	79.5	77.5	112.6	160.5	237.3	2264.2	3847.7
67.5°	67.4	66.2	66.2	118.1	122.0	149.2	1769.0	3430.0
70°	58.1	53.8	53.8	89.2	74.0	103.3	1235.2	2979.2
72.5°	48.7	44.0	40.9	71.3	55.3	75.6	771.9	2551.4
75°	39.0	35.5	31.6	47.1	41.3	57.3	448.5	2113.8
77.5°	28.1	26.5	22.2	34.7	30.0	41.3	266.9	1631.0
80°	14.4	14.8	14.0	19.9	20.3	28.1	152.0	1116.3
82.5°	8.6	6.6	7.4	9.7	11.7	16.0	57.3	656.2
85°	5.5	3.5	3.5	4.7	5.8	6.2	17.5	266.1
87.5°	2.7	1.2	1.6	2.3	1.9	1.6	0.8	67.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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