

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: P944839

Luminaire Tested: **GALN-SB1A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944839
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-SB1A-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2829 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

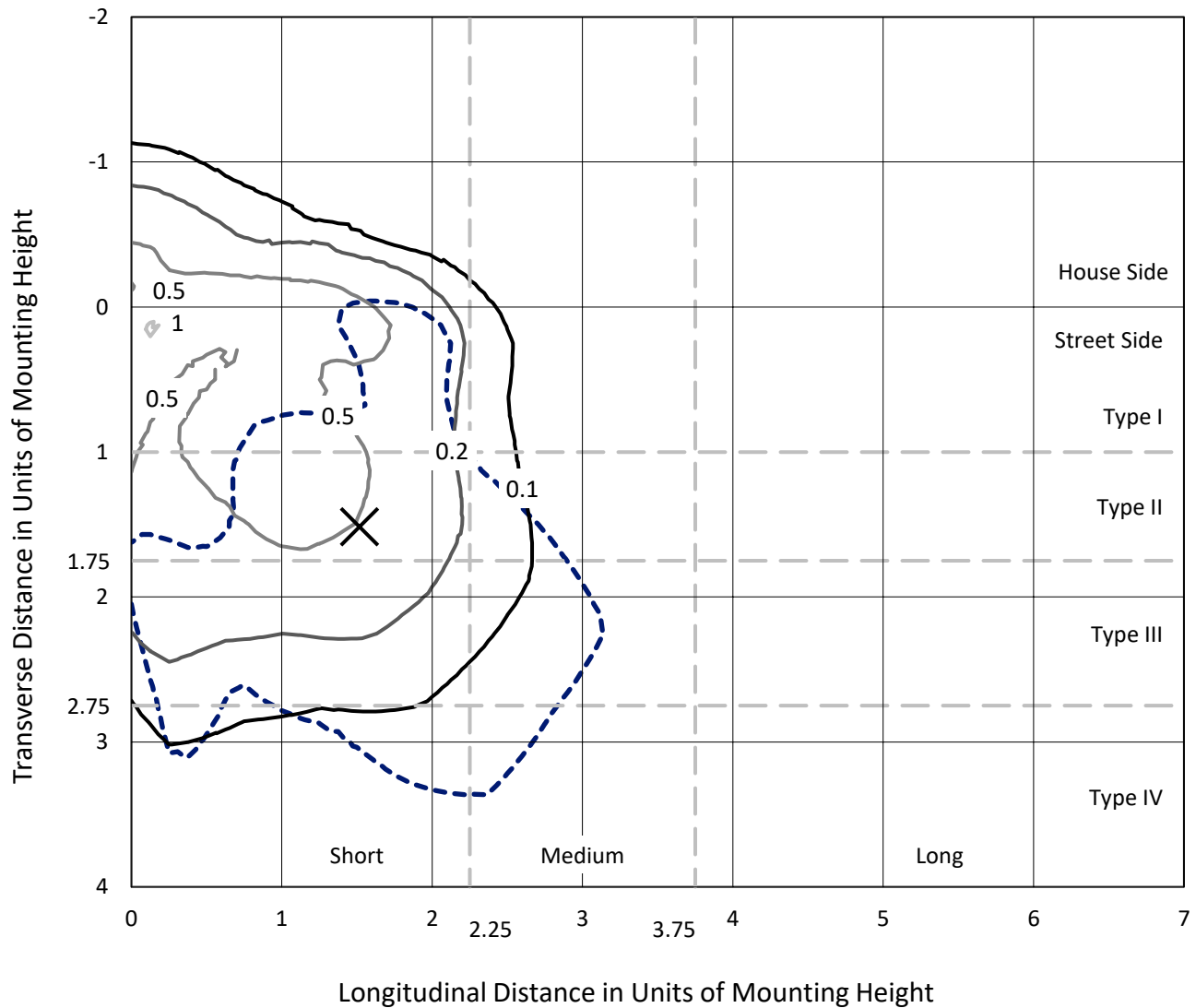
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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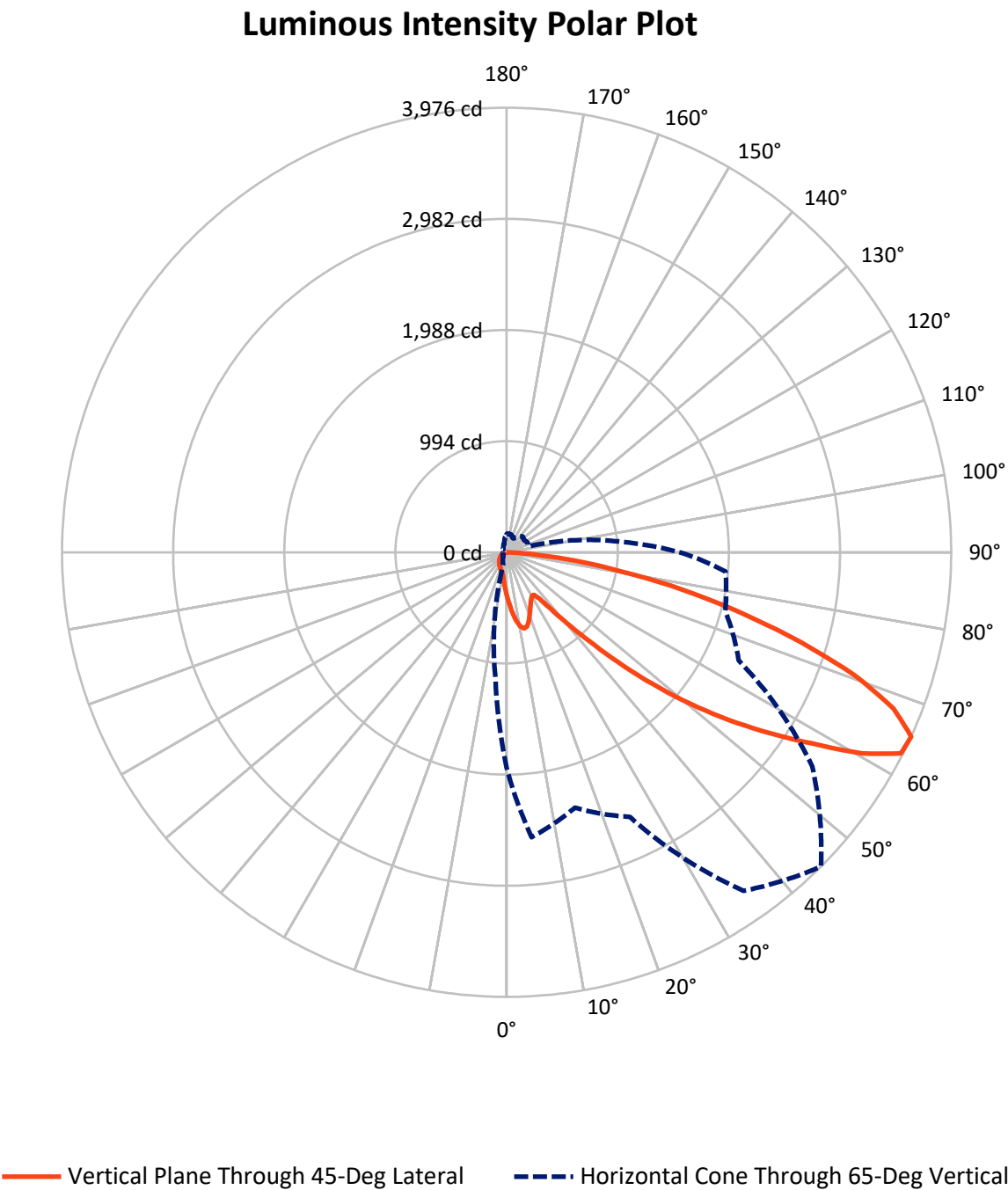
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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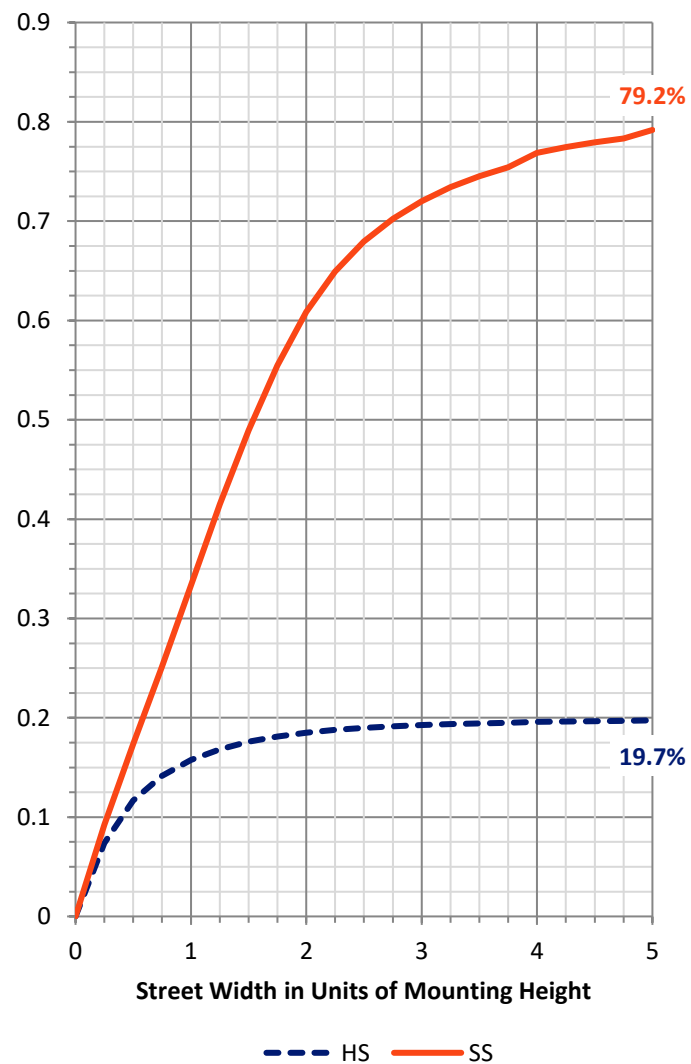
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	562.3	0.0	562.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2266.7	0.0	2266.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	2829.0	0.0	2829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.4
10°-20°	115.6	4.1
20°-30°	170.3	6.0
30°-40°	218.8	7.7
40°-50°	353.9	12.5
50°-60°	620.6	21.9
60°-70°	776.5	27.4
70°-80°	453.8	16.0
80°-90°	81.0	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°	2829.0	100.0
0°-180°	2829.0	100.0

Coefficient of Utilization



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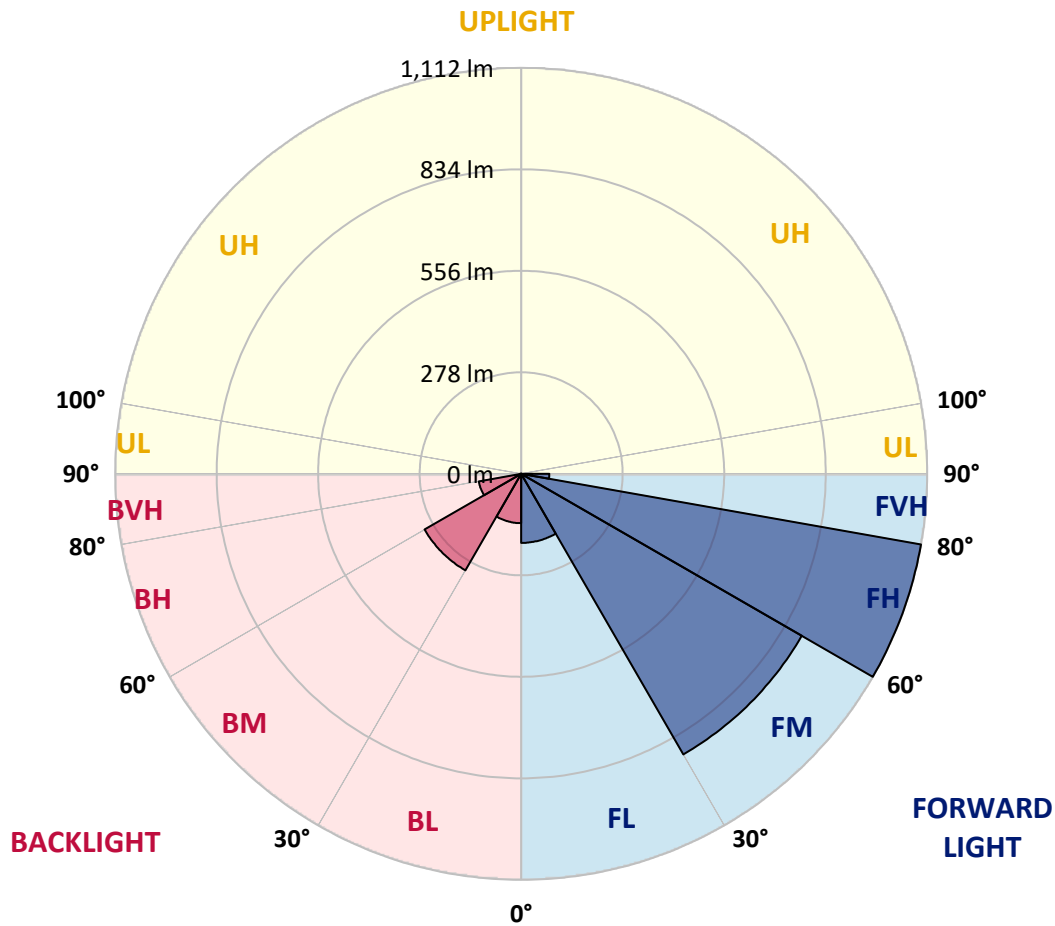
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.3	6.7			
FM	(30°-60°)	887.8	31.4			
FH	(60°-80°)	1112.5	39.3			G1/1800
FVH	(80°-90°)	77.2	2.7			G1/100
BL	(0°-30°)	135.2	4.8	B1/500		
BM	(30°-60°)	305.5	10.8	B1/1000		
BH	(60°-80°)	117.8	4.2	B1/500		G1/500
BVH	(80°-90°)	3.8	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-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	438.9	442.2	449.6	453.5	459.5	459.9	459.9	454.7	454.5	443.8	442.6
5°	490.5	498.3	515.9	534.0	537.9	538.9	536.9	526.4	518.6	497.7	493.3
7.5°	541.8	556.8	583.5	607.7	615.5	615.5	610.8	593.6	577.6	547.4	536.1
10°	584.3	603.2	639.4	666.5	675.5	673.5	664.0	642.4	620.3	583.7	568.9
12.5°	612.3	633.6	673.3	695.2	704.3	699.3	688.3	667.3	644.1	605.5	588.8
15°	626.4	648.6	683.1	694.6	692.0	686.8	685.4	675.3	657.7	621.7	603.4
17.5°	632.4	653.1	677.0	669.8	648.4	644.3	657.9	670.8	666.5	635.7	618.6
20°	638.1	655.4	662.6	630.7	593.2	589.5	615.7	652.3	671.0	648.8	633.0
22.5°	645.9	656.6	641.8	589.3	549.0	540.4	569.3	624.4	672.4	665.3	649.6
25°	656.6	659.5	618.8	550.2	509.6	501.1	528.0	593.4	670.0	683.3	669.8
27.5°	669.4	663.4	596.7	517.4	478.3	470.3	497.2	563.6	663.4	701.2	691.7
30°	686.2	668.5	574.9	492.1	455.8	450.0	475.9	537.9	655.2	724.0	718.7
32.5°	703.2	670.6	554.7	477.3	450.8	452.9	474.2	524.1	646.3	745.8	748.4
35°	721.5	677.4	544.7	491.9	493.1	511.8	520.5	536.9	644.9	775.5	785.4
37.5°	746.4	692.6	556.6	564.6	605.1	643.9	636.7	599.9	660.7	819.7	838.2
40°	782.3	719.3	608.4	688.3	771.6	834.5	807.0	714.3	709.0	883.4	911.1
42.5°	834.5	761.8	700.4	839.6	980.7	1084.4	1010.7	861.8	793.6	974.4	1009.7
45°	911.7	830.6	811.7	999.2	1238.5	1401.8	1248.7	1019.1	912.1	1112.2	1139.9
47.5°	1018.7	931.8	916.0	1167.4	1551.9	1763.2	1512.5	1164.8	1046.9	1300.1	1306.5
50°	1160.8	1068.0	1014.8	1351.4	1895.5	2131.5	1776.2	1305.6	1201.5	1529.7	1522.3
52.5°	1348.2	1258.0	1130.0	1526.6	2248.8	2492.0	2041.1	1429.1	1393.3	1796.1	1780.9
55°	1603.9	1543.9	1287.4	1693.8	2602.0	2854.7	2295.6	1545.7	1646.6	2112.6	2020.6
57.5°	1921.2	1964.1	1514.5	1887.7	2919.4	3228.5	2551.3	1708.6	1975.6	2466.5	2159.8
60°	2125.8	2522.8	1949.3	2174.4	3280.2	3651.2	2901.7	2018.5	2321.3	2593.4	2133.3
62.5°	2076.3	2700.6	2470.0	2540.4	3611.9	3958.6	3245.1	2329.7	2386.4	2406.5	1929.0
65°	1924.5	2557.1	2363.8	2611.5	3695.9	3975.9	3336.9	2289.6	2024.3	1964.7	1550.5
67.5°	1715.6	2387.0	2111.4	2422.9	3544.0	3733.5	3166.0	2025.3	1564.4	1474.3	1124.9
70°	1490.1	2198.7	1945.8	2211.2	3254.6	3311.0	2875.4	1781.3	1150.6	995.7	721.9
72.5°	1276.1	2002.7	1832.3	1994.3	2868.6	2752.0	2497.1	1565.5	837.8	718.2	513.1
75°	1057.3	1713.5	1670.8	1736.7	2360.9	2167.7	2074.8	1296.2	657.6	519.6	354.1
77.5°	815.8	1338.9	1437.1	1390.7	1661.8	1610.2	1608.2	974.1	480.4	346.7	222.0
80°	558.4	933.1	1122.8	981.1	1078.5	1052.2	1211.2	653.5	348.5	208.7	123.6
82.5°	328.2	568.1	781.5	474.9	596.4	612.1	721.3	317.9	205.0	48.1	26.9
85°	133.1	224.3	305.6	185.9	287.7	242.6	273.8	89.3	57.1	1.2	0.0
87.5°	33.5	71.7	50.3	20.9	33.3	30.6	24.2	10.9	2.3	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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	435.0	430.5	419.4	408.3	399.3	387.2	379.3	369.7	360.5	352.4	350.8
5°	481.0	466.2	445.9	427.4	408.5	390.2	372.0	352.9	335.4	324.7	317.9
7.5°	518.4	492.3	465.4	441.8	419.0	397.6	373.6	350.4	322.9	308.3	295.1
10°	546.3	512.0	476.7	449.6	426.6	405.8	385.5	362.1	329.0	310.7	290.8
12.5°	564.6	523.9	482.5	451.6	425.8	409.7	400.7	391.5	358.6	337.2	308.3
15°	577.3	532.2	486.6	447.1	415.5	403.6	412.6	423.1	402.1	377.3	339.7
17.5°	591.1	543.2	488.4	435.0	395.4	390.4	413.6	437.9	436.9	412.4	375.6
20°	605.7	552.7	487.2	415.5	371.1	375.6	405.2	433.4	445.3	432.1	399.3
22.5°	620.7	561.9	482.7	390.2	348.3	362.3	391.9	416.7	430.7	426.6	401.7
25°	639.6	574.7	476.1	362.9	329.4	348.9	376.5	396.6	406.3	406.1	389.0
27.5°	662.2	591.9	472.6	340.9	315.9	333.6	358.2	376.1	383.0	383.0	369.3
30°	688.5	612.1	468.7	326.4	308.1	317.9	337.0	354.5	361.3	361.3	349.8
32.5°	717.8	631.6	459.4	317.7	302.3	302.5	314.6	330.5	338.7	339.9	331.7
35°	752.9	652.5	438.9	310.7	295.5	287.5	293.3	306.6	316.3	318.8	313.8
37.5°	798.8	678.0	409.7	300.3	284.9	271.7	273.0	283.2	293.9	297.8	294.5
40°	860.6	708.0	379.3	285.5	270.1	254.3	253.7	261.2	271.7	276.0	274.2
42.5°	942.3	744.1	350.2	271.3	252.2	236.0	235.0	240.9	250.0	254.5	253.7
45°	1046.7	788.3	325.3	260.2	234.6	218.7	218.3	223.1	231.1	235.8	234.8
47.5°	1191.9	832.6	308.3	254.3	220.8	204.4	205.2	209.5	216.7	220.0	218.7
50°	1381.2	846.0	299.7	254.3	213.4	191.8	195.7	199.2	204.6	206.6	204.8
52.5°	1562.8	801.6	291.9	255.9	214.4	181.1	189.4	192.0	196.6	197.4	194.9
55°	1651.9	689.1	281.2	256.3	220.4	171.9	184.4	189.0	190.8	190.6	186.3
57.5°	1621.3	557.2	263.1	254.7	224.5	166.0	178.1	187.1	188.3	186.5	178.5
60°	1513.9	410.2	249.3	243.2	223.0	164.3	168.6	182.8	184.6	182.2	169.2
62.5°	1333.8	284.7	238.5	217.9	216.1	163.7	153.6	173.5	177.7	174.4	155.3
65°	1050.1	201.1	205.4	191.0	201.3	160.6	138.0	162.1	168.0	162.9	136.0
67.5°	710.6	145.2	166.4	173.1	177.3	153.6	126.7	149.3	157.1	150.5	113.6
70°	383.7	101.9	109.9	145.8	150.6	141.5	116.5	136.2	145.2	138.0	92.6
72.5°	226.7	73.3	77.0	117.1	125.5	124.5	105.2	121.0	131.9	123.4	75.2
75°	124.9	49.5	55.0	85.0	101.9	96.1	90.4	102.5	113.6	105.2	58.1
77.5°	55.9	29.6	38.2	55.7	80.1	65.9	70.0	79.9	90.2	81.5	38.8
80°	21.6	16.6	25.3	30.4	58.3	36.4	45.0	58.9	66.3	59.2	23.6
82.5°	2.7	7.4	10.9	11.9	33.9	19.3	26.1	37.0	36.4	31.6	11.9
85°	0.0	1.4	1.6	0.8	14.6	7.0	8.6	12.1	11.3	8.6	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	341.2	334.2	330.7	327.8	330.5	332.1	332.1	338.7	342.6	344.2	355.1
5°	300.7	287.7	278.9	273.6	275.4	277.3	279.5	287.9	293.5	297.2	314.2
7.5°	268.8	248.9	236.6	230.2	231.1	232.5	234.3	242.4	248.1	253.0	271.9
10°	253.0	224.9	208.7	200.9	199.6	198.8	198.2	203.1	207.4	211.3	230.0
12.5°	253.7	214.6	194.9	185.3	181.2	176.6	172.9	173.6	176.4	181.2	193.1
15°	263.7	211.3	187.7	175.8	169.0	163.5	159.0	158.1	159.0	159.8	167.2
17.5°	277.1	210.9	181.4	166.6	159.6	155.1	151.0	149.7	149.9	150.8	152.8
20°	287.9	209.7	174.4	157.9	151.6	147.7	143.6	142.3	142.7	142.9	145.0
22.5°	293.5	207.9	166.6	149.1	143.8	139.9	136.2	136.0	136.0	137.2	138.8
25°	293.5	204.2	159.6	140.7	136.0	132.5	128.0	128.8	129.2	130.8	133.1
27.5°	286.5	197.2	154.0	133.5	128.6	125.1	121.0	122.0	122.6	124.3	127.3
30°	277.5	188.8	147.5	126.7	121.0	118.5	115.0	115.4	116.2	118.1	121.4
32.5°	268.0	178.9	142.3	119.9	114.2	112.3	108.4	108.9	109.7	111.9	115.6
35°	257.4	167.2	136.0	113.6	108.0	106.4	101.9	102.3	103.5	105.8	109.5
37.5°	246.3	157.7	129.8	107.6	101.7	100.2	95.5	95.9	97.2	100.0	103.5
40°	235.4	148.3	123.2	101.1	95.3	93.9	88.9	89.3	90.8	93.7	97.4
42.5°	223.5	141.1	114.6	94.5	88.3	86.9	82.2	82.8	84.6	87.5	91.2
45°	209.3	136.4	105.0	88.3	81.3	79.9	75.6	76.8	78.7	81.7	85.6
47.5°	194.7	134.5	97.1	81.7	74.1	72.9	69.4	71.3	73.5	75.8	80.1
50°	180.7	131.9	88.9	75.4	67.8	66.7	64.3	66.8	69.0	71.1	75.2
52.5°	164.7	126.5	81.5	70.0	62.6	62.2	61.0	63.3	65.3	67.2	70.7
55°	148.1	117.7	75.0	65.1	58.1	58.5	57.9	59.8	61.4	63.1	66.3
57.5°	133.7	106.6	70.0	59.8	54.2	55.3	54.6	55.5	56.5	58.7	61.2
60°	119.1	93.4	64.3	53.6	50.3	51.6	49.5	49.3	49.7	50.3	55.0
62.5°	99.4	79.5	57.3	48.1	46.0	46.6	42.5	39.4	39.4	40.0	47.0
65°	79.9	66.7	49.5	41.9	40.1	39.8	33.9	29.6	29.2	31.0	37.0
67.5°	65.7	55.3	41.7	34.9	33.7	34.1	29.8	25.5	25.1	27.1	31.6
70°	54.4	44.6	33.3	26.9	28.1	29.8	25.5	21.4	20.9	22.6	26.9
72.5°	43.3	34.9	25.5	19.9	23.2	25.3	20.9	17.0	16.6	18.1	22.2
75°	31.8	24.9	17.3	14.4	17.9	19.9	15.2	12.1	11.5	12.9	17.0
77.5°	19.7	14.0	10.9	8.6	12.3	13.3	8.0	7.0	6.8	7.8	10.7
80°	9.2	6.0	5.3	2.9	4.5	5.3	3.3	3.7	3.9	4.7	6.6
82.5°	2.5	1.0	0.2	0.0	0.0	1.6	0.8	1.6	1.9	2.9	4.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.8	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	363.3	371.1	383.5	396.4	409.1	421.9	434.4	438.9
5°	329.6	347.5	372.2	398.7	426.0	453.7	479.0	490.5
7.5°	291.9	317.7	354.9	396.4	439.9	483.3	523.3	541.8
10°	251.8	284.3	326.8	383.0	445.3	505.3	560.3	584.3
12.5°	213.6	247.7	294.7	361.9	441.0	518.0	584.1	612.3
15°	181.6	211.8	262.5	337.0	427.2	518.8	595.4	626.4
17.5°	157.7	177.3	229.8	309.3	409.1	511.6	599.3	632.4
20°	145.8	151.2	187.3	273.8	392.1	504.8	603.2	638.1
22.5°	138.8	140.1	153.2	228.0	371.8	502.6	610.0	645.9
25°	133.1	133.5	137.0	180.7	340.9	501.3	620.5	656.6
27.5°	127.5	127.5	129.4	145.6	298.8	495.4	634.2	669.4
30°	121.8	121.8	123.2	128.8	249.5	483.9	650.5	686.2
32.5°	116.0	116.0	117.1	121.2	199.2	469.5	665.5	703.2
35°	110.1	109.7	111.3	115.6	158.4	451.2	680.6	721.5
37.5°	103.9	103.7	105.2	110.1	136.8	429.9	691.9	746.4
40°	97.2	97.2	99.0	104.3	130.6	403.2	709.8	782.3
42.5°	91.2	90.8	92.8	99.2	125.9	377.7	741.9	834.5
45°	85.4	84.6	86.3	94.3	117.7	368.7	802.0	911.7
47.5°	79.9	78.0	79.5	88.5	110.3	402.2	900.2	1018.7
50°	75.4	71.7	73.1	82.6	104.7	474.9	1027.6	1160.8
52.5°	70.7	65.9	66.7	75.4	99.6	544.1	1165.8	1348.2
55°	65.9	60.4	60.8	68.2	92.4	554.5	1300.7	1603.9
57.5°	60.4	55.3	55.3	61.6	87.1	480.6	1404.4	1921.2
60°	54.4	51.1	50.1	56.3	91.8	339.1	1416.4	2125.8
62.5°	47.7	46.0	44.6	51.3	95.3	200.9	1319.2	2076.3
65°	40.1	39.8	38.8	56.3	80.3	118.7	1132.5	1924.5
67.5°	33.7	33.1	33.1	59.1	61.0	74.6	884.8	1715.6
70°	29.0	26.9	26.9	44.6	37.0	51.6	617.8	1490.1
72.5°	24.4	22.0	20.5	35.7	27.7	37.8	386.1	1276.1
75°	19.5	17.7	15.8	23.6	20.7	28.6	224.3	1057.3
77.5°	14.0	13.3	11.1	17.3	15.0	20.7	133.5	815.8
80°	7.2	7.4	7.0	9.9	10.1	14.0	76.0	558.4
82.5°	4.3	3.3	3.7	4.9	5.8	8.0	28.6	328.2
85°	2.7	1.8	1.8	2.3	2.9	3.1	8.8	133.1
87.5°	1.4	0.6	0.8	1.2	1.0	0.8	0.4	33.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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