

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: P945196

Luminaire Tested: **GALN-SB1B-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945196
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-SB1B-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA 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: 3551 lumens
Efficiency: N/A
Efficacy: 89.2 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): 39.8
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

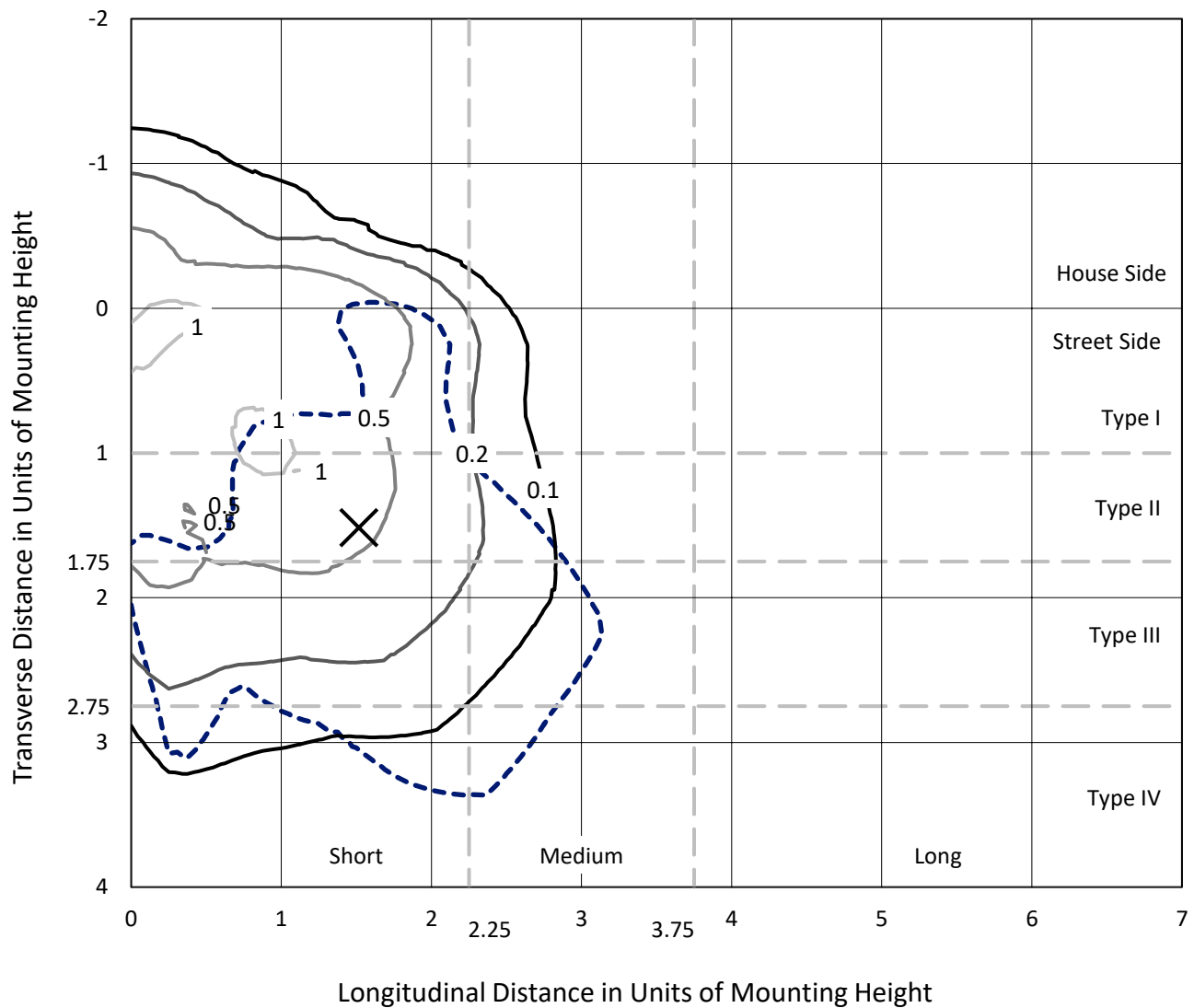


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Iso-Footcandle Lines of Horizontal Illumination

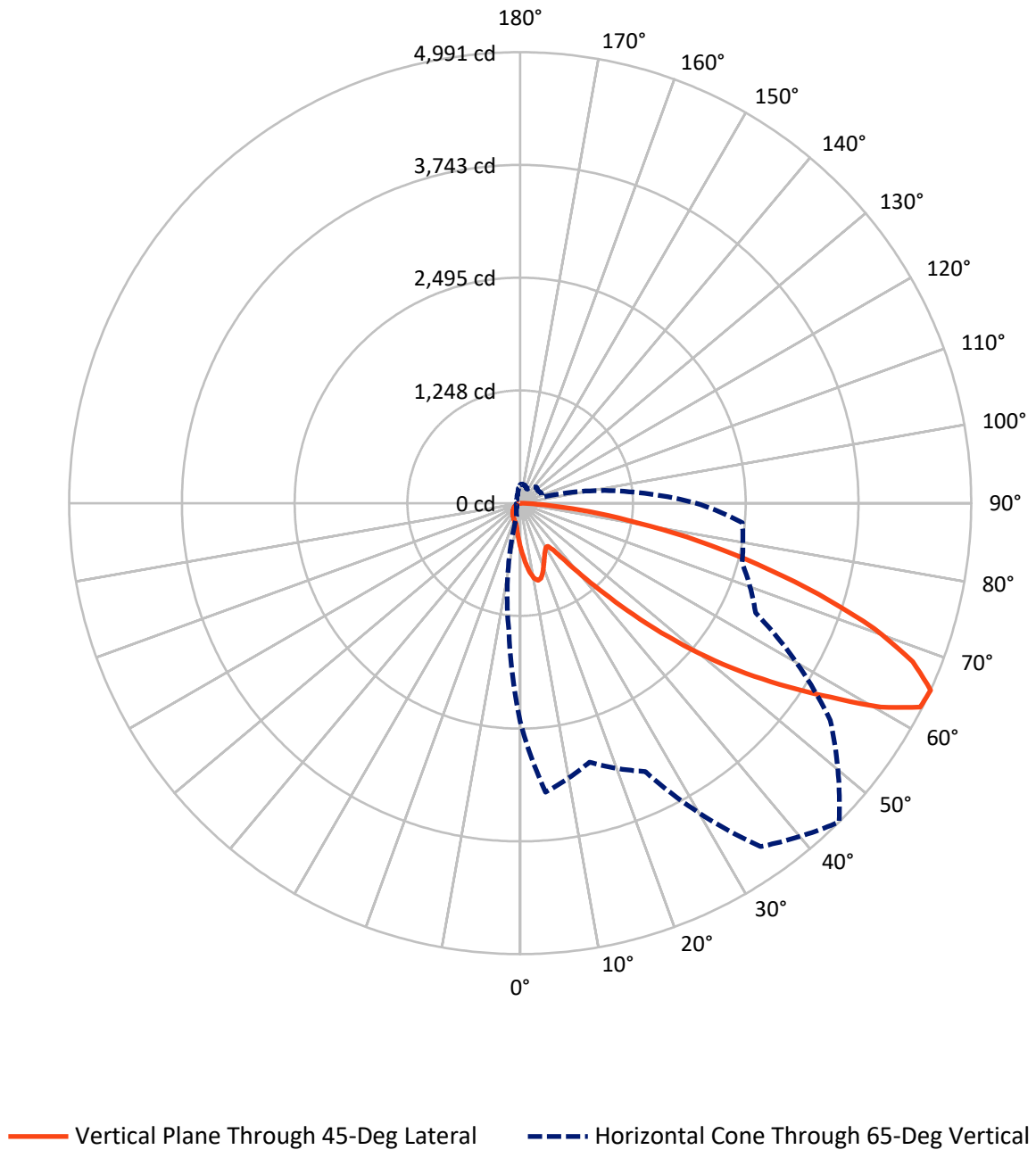
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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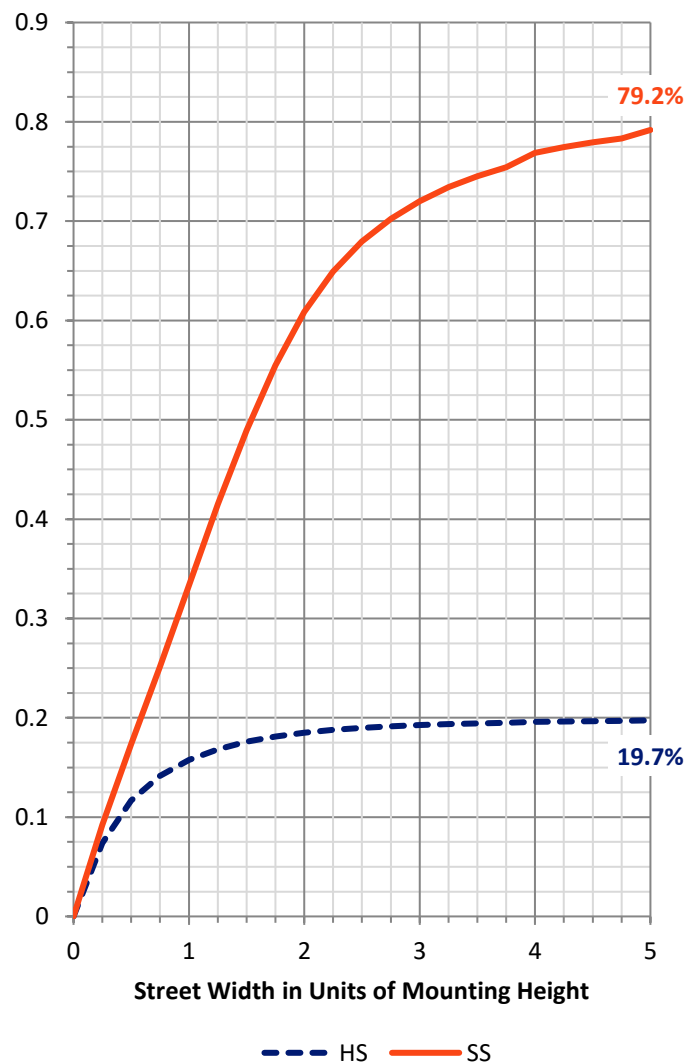
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	705.8	0.0	705.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2845.2	0.0	2845.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	3551.0	0.0	3551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.4
10°-20°	145.1	4.1
20°-30°	213.8	6.0
30°-40°	274.7	7.7
40°-50°	444.2	12.5
50°-60°	779.0	21.9
60°-70°	974.7	27.4
70°-80°	569.6	16.0
80°-90°	101.6	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°	3551.0	100.0
0°-180°	3551.0	100.0

Coefficient of Utilization



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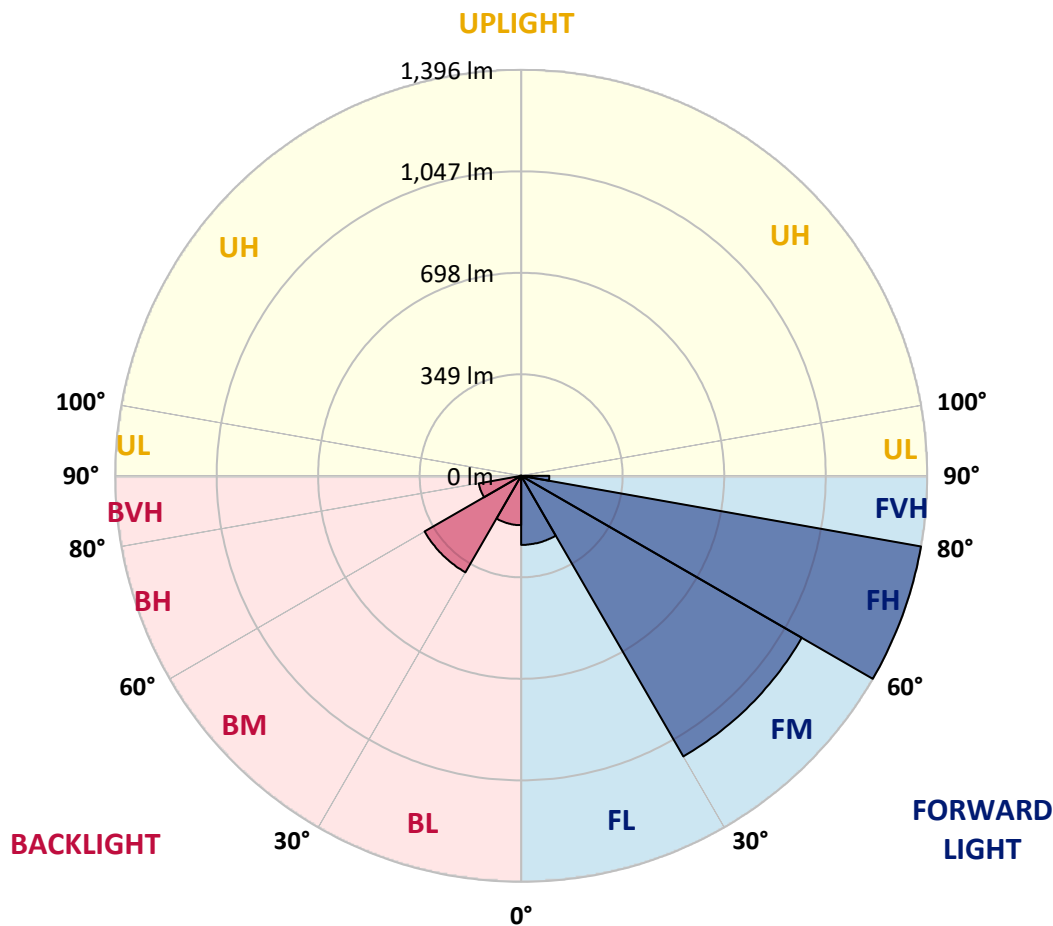
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.6	6.7			
FM	(30°-60°)	1114.3	31.4			
FH	(60°-80°)	1396.4	39.3			G1/1800
FVH	(80°-90°)	96.9	2.7			G1/100
BL	(0°-30°)	169.7	4.8	B1/500		
BM	(30°-60°)	383.5	10.8	B1/1000		
BH	(60°-80°)	147.9	4.2	B1/500		G1/500
BVH	(80°-90°)	4.8	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°	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7
2.5°	550.9	555.1	564.4	569.2	576.8	577.3	577.3	570.7	570.5	557.0	555.5
5°	615.7	625.5	647.5	670.3	675.2	676.4	673.9	660.7	651.0	624.8	619.2
7.5°	680.1	698.9	732.4	762.7	772.5	772.5	766.7	745.1	725.1	687.2	673.0
10°	733.4	757.1	802.6	836.6	847.9	845.4	833.4	806.3	778.6	732.7	714.1
12.5°	768.6	795.3	845.2	872.6	884.1	877.7	864.0	837.6	808.5	760.1	739.0
15°	786.2	814.1	857.4	871.8	868.7	862.1	860.4	847.6	825.6	780.4	757.4
17.5°	793.8	819.7	849.8	840.8	813.9	808.7	825.9	842.0	836.6	798.0	776.4
20°	800.9	822.7	831.7	791.6	744.6	740.0	772.8	818.8	842.3	814.4	794.5
22.5°	810.7	824.1	805.6	739.8	689.1	678.4	714.6	783.8	844.0	835.2	815.3
25°	824.1	827.8	776.7	690.6	639.7	628.9	662.7	744.9	841.0	857.7	840.8
27.5°	840.3	832.7	749.0	649.5	600.3	590.3	624.0	707.5	832.7	880.2	868.2
30°	861.3	839.1	721.6	617.7	572.2	564.8	597.4	675.2	822.4	908.8	902.2
32.5°	882.6	841.8	696.2	599.1	565.8	568.5	595.2	657.8	811.2	936.2	939.4
35°	905.6	850.3	683.7	617.4	618.9	642.4	653.4	673.9	809.5	973.4	985.8
37.5°	936.9	869.4	698.7	708.7	759.6	808.2	799.2	753.0	829.3	1028.9	1052.1
40°	981.9	902.9	763.7	864.0	968.5	1047.5	1013.0	896.6	890.0	1108.9	1143.6
42.5°	1047.5	956.2	879.2	1053.9	1231.0	1361.1	1268.6	1081.7	996.1	1223.1	1267.4
45°	1144.4	1042.6	1018.9	1254.2	1554.6	1759.6	1567.3	1279.2	1144.9	1396.1	1430.8
47.5°	1278.7	1169.6	1149.7	1465.3	1948.0	2213.1	1898.5	1462.1	1314.1	1631.9	1640.0
50°	1457.0	1340.6	1273.8	1696.2	2379.2	2675.5	2229.5	1638.8	1508.1	1920.1	1910.8
52.5°	1692.3	1579.1	1418.3	1916.2	2822.7	3128.0	2562.0	1793.8	1748.8	2254.5	2235.4
55°	2013.3	1937.9	1616.0	2126.1	3266.0	3583.3	2881.5	1940.1	2066.9	2651.8	2536.3
57.5°	2411.5	2465.3	1901.0	2369.5	3664.5	4052.5	3202.4	2144.6	2479.8	3096.0	2711.0
60°	2668.4	3166.7	2446.8	2729.3	4117.3	4583.1	3642.2	2533.6	2913.7	3255.2	2677.7
62.5°	2606.3	3389.8	3100.4	3188.7	4533.7	4968.9	4073.3	2924.3	2995.5	3020.7	2421.3
65°	2415.7	3209.7	2967.1	3278.0	4639.1	4990.6	4188.5	2873.9	2540.9	2466.1	1946.3
67.5°	2153.4	2996.2	2650.3	3041.2	4448.5	4686.3	3974.0	2542.2	1963.6	1850.6	1412.0
70°	1870.4	2759.9	2442.4	2775.5	4085.3	4156.0	3609.2	2235.9	1444.3	1249.8	906.1
72.5°	1601.8	2513.8	2300.0	2503.3	3600.7	3454.4	3134.4	1965.1	1051.7	901.4	644.1
75°	1327.1	2150.8	2097.2	2179.9	2963.4	2721.0	2604.3	1627.0	825.4	652.2	444.5
77.5°	1024.0	1680.6	1803.9	1745.7	2085.9	2021.1	2018.7	1222.6	603.0	435.2	278.6
80°	700.9	1171.3	1409.3	1231.5	1353.8	1320.7	1520.4	820.2	437.4	262.0	155.1
82.5°	412.0	713.1	981.0	596.2	748.6	768.4	905.4	399.0	257.3	60.4	33.8
85°	167.1	281.6	383.6	233.4	361.1	304.6	343.7	112.0	71.7	1.5	0.0
87.5°	42.1	90.0	63.1	26.2	41.8	38.4	30.3	13.7	2.9	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°	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7
2.5°	546.0	540.4	526.4	512.5	501.2	486.1	476.0	464.1	452.6	442.3	440.3
5°	603.7	585.1	559.7	536.5	512.7	489.7	467.0	443.0	421.0	407.5	399.0
7.5°	650.7	617.9	584.2	554.6	525.9	499.0	468.9	439.8	405.3	387.0	370.4
10°	685.7	642.6	598.4	564.4	535.5	509.3	483.9	454.5	412.9	389.9	365.0
12.5°	708.7	657.6	605.7	566.8	534.5	514.2	503.0	491.5	450.1	423.2	387.0
15°	724.6	668.1	610.8	561.2	521.5	506.6	517.9	531.1	504.7	473.6	426.4
17.5°	742.0	681.8	613.0	546.0	496.3	490.0	519.1	549.7	548.5	517.6	471.4
20°	760.3	693.8	611.6	521.5	465.8	471.4	508.6	544.1	559.0	542.3	501.2
22.5°	779.1	705.3	605.9	489.7	437.1	454.8	491.9	523.0	540.6	535.5	504.2
25°	802.9	721.4	597.6	455.5	413.4	437.9	472.6	497.8	510.0	509.8	488.3
27.5°	831.2	742.9	593.2	427.9	396.5	418.8	449.6	472.1	480.7	480.7	463.6
30°	864.3	768.4	588.3	409.7	386.8	399.0	423.0	445.0	453.5	453.5	439.1
32.5°	901.0	792.8	576.6	398.7	379.4	379.7	394.8	414.9	425.2	426.6	416.4
35°	945.0	819.0	550.9	389.9	370.9	360.8	368.2	384.8	397.0	400.2	393.8
37.5°	1002.7	851.1	514.2	377.0	357.6	341.0	342.7	355.4	368.9	373.8	369.6
40°	1080.3	888.7	476.0	358.4	339.1	319.2	318.5	327.8	341.0	346.4	344.2
42.5°	1182.8	934.0	439.6	340.5	316.5	296.2	295.0	302.4	313.9	319.5	318.5
45°	1313.9	989.5	408.3	326.6	294.5	274.5	274.0	280.1	290.1	296.0	294.8
47.5°	1496.1	1045.0	387.0	319.2	277.2	256.6	257.6	263.0	272.0	276.2	274.5
50°	1733.7	1061.9	376.2	319.2	267.9	240.7	245.6	250.0	256.9	259.3	257.1
52.5°	1961.7	1006.2	366.5	321.2	269.1	227.3	237.8	241.0	246.8	247.8	244.6
55°	2073.5	865.0	353.0	321.7	276.7	215.8	231.4	237.3	239.5	239.2	233.9
57.5°	2035.1	699.4	330.2	319.7	281.8	208.4	223.6	234.8	236.3	234.1	224.1
60°	1900.3	514.9	312.9	305.3	279.9	206.2	211.6	229.5	231.7	228.7	212.3
62.5°	1674.2	357.4	299.4	273.5	271.3	205.5	192.8	217.7	223.1	218.9	195.0
65°	1318.0	252.5	257.8	239.7	252.7	201.6	173.2	203.5	210.9	204.5	170.7
67.5°	891.9	182.2	208.9	217.2	222.6	192.8	159.0	187.4	197.2	188.9	142.6
70°	481.7	127.9	138.0	183.0	189.1	177.6	146.3	171.0	182.2	173.2	116.2
72.5°	284.5	92.0	96.6	147.0	157.5	156.3	132.1	151.9	165.6	154.8	94.4
75°	156.8	62.1	69.0	106.7	127.9	120.6	113.5	128.7	142.6	132.1	72.9
77.5°	70.2	37.2	47.9	70.0	100.5	82.7	87.8	100.3	113.3	102.3	48.7
80°	27.2	20.8	31.8	38.2	73.1	45.7	56.5	73.9	83.2	74.4	29.6
82.5°	3.4	9.3	13.7	14.9	42.6	24.2	32.8	46.5	45.7	39.6	14.9
85°	0.0	1.7	2.0	1.0	18.3	8.8	10.8	15.2	14.2	10.8	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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°	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7
2.5°	428.3	419.5	415.1	411.5	414.9	416.8	416.8	425.2	430.1	432.0	445.7
5°	377.5	361.1	350.1	343.5	345.7	348.1	350.8	361.3	368.4	373.1	394.3
7.5°	337.3	312.4	297.0	288.9	290.1	291.8	294.0	304.3	311.4	317.5	341.3
10°	317.5	282.3	262.0	252.2	250.5	249.5	248.8	254.9	260.3	265.2	288.7
12.5°	318.5	269.3	244.6	232.6	227.5	221.6	217.0	218.0	221.4	227.5	242.4
15°	331.0	265.2	235.6	220.7	212.1	205.2	199.6	198.4	199.6	200.6	209.9
17.5°	347.9	264.7	227.7	209.2	200.3	194.7	189.6	187.9	188.1	189.3	191.8
20°	361.3	263.2	218.9	198.1	190.3	185.4	180.3	178.6	179.1	179.3	182.0
22.5°	368.4	261.0	209.2	187.1	180.5	175.6	171.0	170.7	170.7	172.2	174.2
25°	368.4	256.4	200.3	176.6	170.7	166.3	160.7	161.7	162.2	164.1	167.1
27.5°	359.6	247.6	193.3	167.6	161.5	157.1	151.9	153.1	153.9	156.1	159.7
30°	348.3	237.0	185.2	159.0	151.9	148.7	144.3	144.8	145.8	148.2	152.4
32.5°	336.4	224.6	178.6	150.4	143.4	140.9	136.0	136.7	137.7	140.4	145.1
35°	323.2	209.9	170.7	142.6	135.5	133.6	127.9	128.4	129.9	132.8	137.5
37.5°	309.2	197.9	162.9	135.0	127.7	125.7	119.9	120.4	122.1	125.5	129.9
40°	295.5	186.2	154.6	127.0	119.6	117.9	111.5	112.0	114.0	117.7	122.3
42.5°	280.6	177.1	143.8	118.6	110.8	109.1	103.2	104.0	106.2	109.8	114.5
45°	262.7	171.2	131.9	110.8	102.0	100.3	94.9	96.4	98.8	102.5	107.4
47.5°	244.4	168.8	121.8	102.5	93.0	91.5	87.1	89.5	92.2	95.2	100.5
50°	226.8	165.6	111.5	94.7	85.1	83.7	80.7	83.9	86.6	89.3	94.4
52.5°	206.7	158.8	102.3	87.8	78.5	78.0	76.6	79.5	81.9	84.4	88.8
55°	185.9	147.8	94.2	81.7	72.9	73.4	72.7	75.1	77.1	79.3	83.2
57.5°	167.8	133.8	87.8	75.1	68.0	69.5	68.5	69.7	70.9	73.6	76.8
60°	149.5	117.2	80.7	67.3	63.1	64.8	62.1	61.9	62.4	63.1	69.0
62.5°	124.8	99.8	71.9	60.4	57.7	58.5	53.3	49.4	49.4	50.1	59.0
65°	100.3	83.7	62.1	52.6	50.4	49.9	42.6	37.2	36.7	38.9	46.5
67.5°	82.4	69.5	52.4	43.8	42.3	42.8	37.4	32.0	31.6	34.0	39.6
70°	68.3	56.0	41.8	33.8	35.2	37.4	32.0	26.9	26.2	28.4	33.8
72.5°	54.3	43.8	32.0	25.0	29.1	31.8	26.2	21.3	20.8	22.8	27.9
75°	39.9	31.3	21.8	18.1	22.5	25.0	19.1	15.2	14.4	16.1	21.3
77.5°	24.7	17.6	13.7	10.8	15.4	16.6	10.0	8.8	8.6	9.8	13.5
80°	11.5	7.6	6.6	3.7	5.6	6.6	4.2	4.6	4.9	5.9	8.3
82.5°	3.2	1.2	0.2	0.0	0.0	2.0	1.0	2.0	2.4	3.7	5.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	2.2	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	491.7	491.7	491.7	491.7	491.7	491.7	491.7	491.7
2.5°	456.0	465.8	481.4	497.6	513.5	529.6	545.3	550.9
5°	413.7	436.2	467.2	500.5	534.8	569.5	601.3	615.7
7.5°	366.5	398.7	445.5	497.6	552.1	606.7	656.8	680.1
10°	316.1	356.9	410.2	480.7	559.0	634.3	703.3	733.4
12.5°	268.1	310.9	369.9	454.3	553.6	650.2	733.1	768.6
15°	228.0	265.9	329.5	423.0	536.2	651.2	747.3	786.2
17.5°	197.9	222.6	288.4	388.2	513.5	642.1	752.2	793.8
20°	183.0	189.8	235.1	343.7	492.2	633.6	757.1	800.9
22.5°	174.2	175.9	192.3	286.2	466.7	630.9	765.7	810.7
25°	167.1	167.6	172.0	226.8	427.9	629.2	778.9	824.1
27.5°	160.0	160.0	162.4	182.7	375.0	621.8	796.0	840.3
30°	152.9	152.9	154.6	161.7	313.1	607.4	816.6	861.3
32.5°	145.6	145.6	147.0	152.2	250.0	589.3	835.4	882.6
35°	138.2	137.7	139.7	145.1	198.9	566.3	854.2	905.6
37.5°	130.4	130.1	132.1	138.2	171.7	539.6	868.4	936.9
40°	122.1	122.1	124.3	130.9	163.9	506.1	890.9	981.9
42.5°	114.5	114.0	116.4	124.5	158.0	474.1	931.3	1047.5
45°	107.1	106.2	108.4	118.4	147.8	462.8	1006.6	1144.4
47.5°	100.3	97.9	99.8	111.1	138.5	504.9	1129.9	1278.7
50°	94.7	90.0	91.7	103.7	131.4	596.2	1289.9	1457.0
52.5°	88.8	82.7	83.7	94.7	125.0	683.0	1463.4	1692.3
55°	82.7	75.8	76.3	85.6	116.0	696.0	1632.6	2013.3
57.5°	75.8	69.5	69.5	77.3	109.3	603.2	1762.8	2411.5
60°	68.3	64.1	62.9	70.7	115.2	425.7	1777.9	2668.4
62.5°	59.9	57.7	56.0	64.3	119.6	252.2	1655.9	2606.3
65°	50.4	49.9	48.7	70.7	100.8	149.0	1421.5	2415.7
67.5°	42.3	41.6	41.6	74.1	76.6	93.7	1110.6	2153.4
70°	36.4	33.8	33.8	56.0	46.5	64.8	775.5	1870.4
72.5°	30.6	27.6	25.7	44.8	34.7	47.5	484.6	1601.8
75°	24.5	22.3	19.8	29.6	25.9	36.0	281.6	1327.1
77.5°	17.6	16.6	13.9	21.8	18.8	25.9	167.6	1024.0
80°	9.1	9.3	8.8	12.5	12.7	17.6	95.4	700.9
82.5°	5.4	4.2	4.6	6.1	7.3	10.0	36.0	412.0
85°	3.4	2.2	2.2	2.9	3.7	3.9	11.0	167.1
87.5°	1.7	0.7	1.0	1.5	1.2	1.0	0.5	42.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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