

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: P945280

Luminaire Tested: **GALN-SB1B-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945280
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 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: 4548 lumens
Efficiency: N/A
Efficacy: 114.3 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

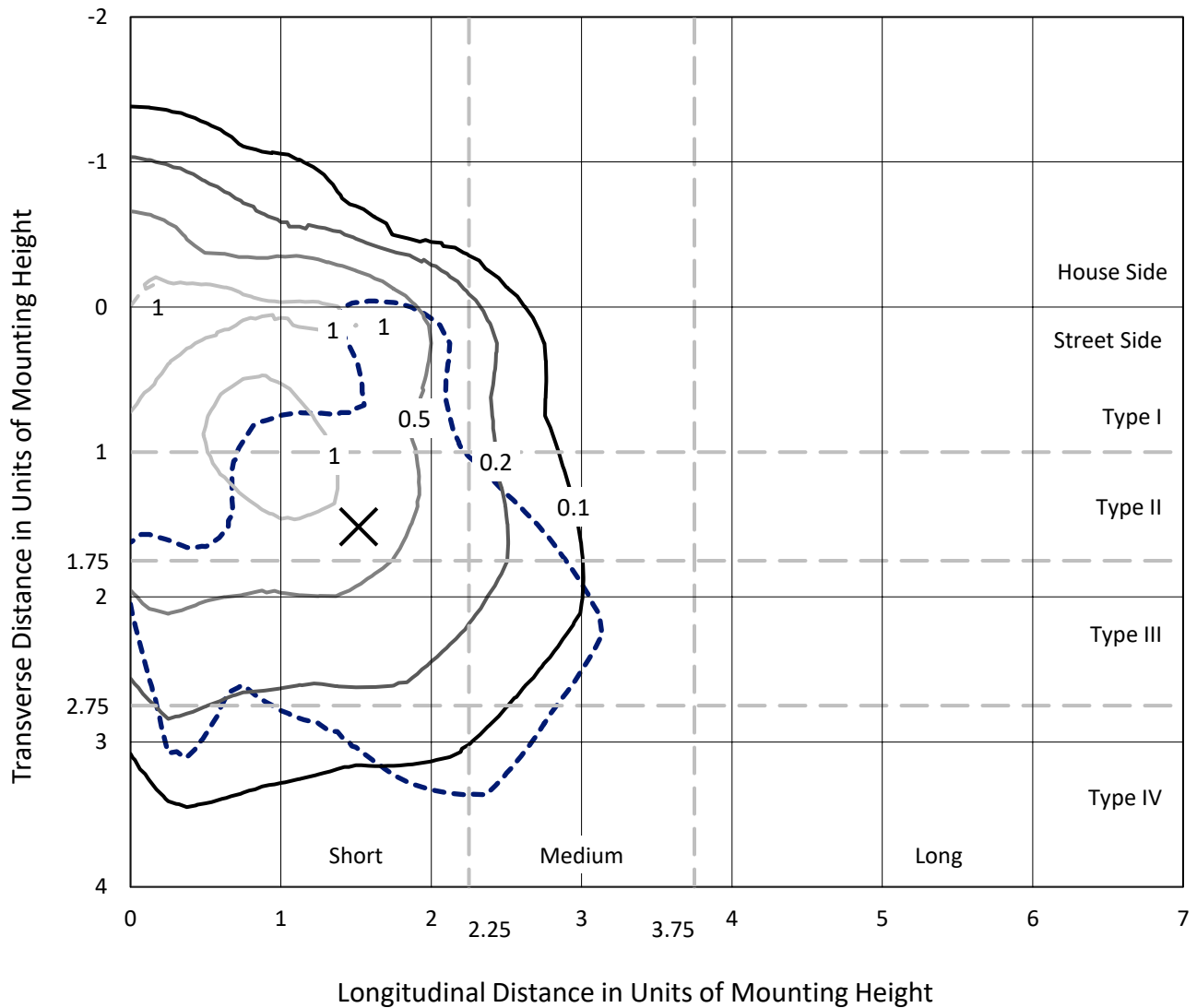
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

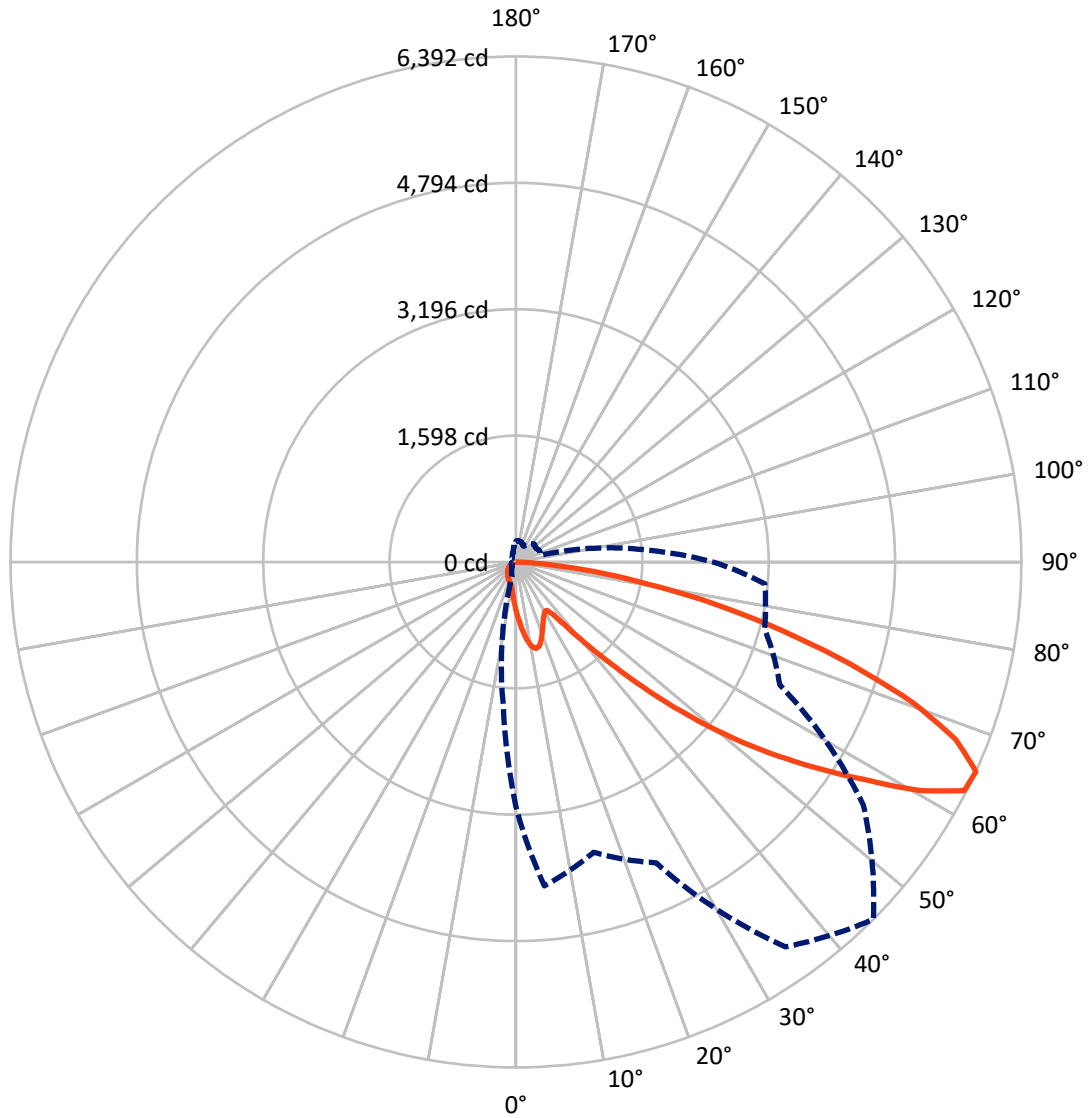
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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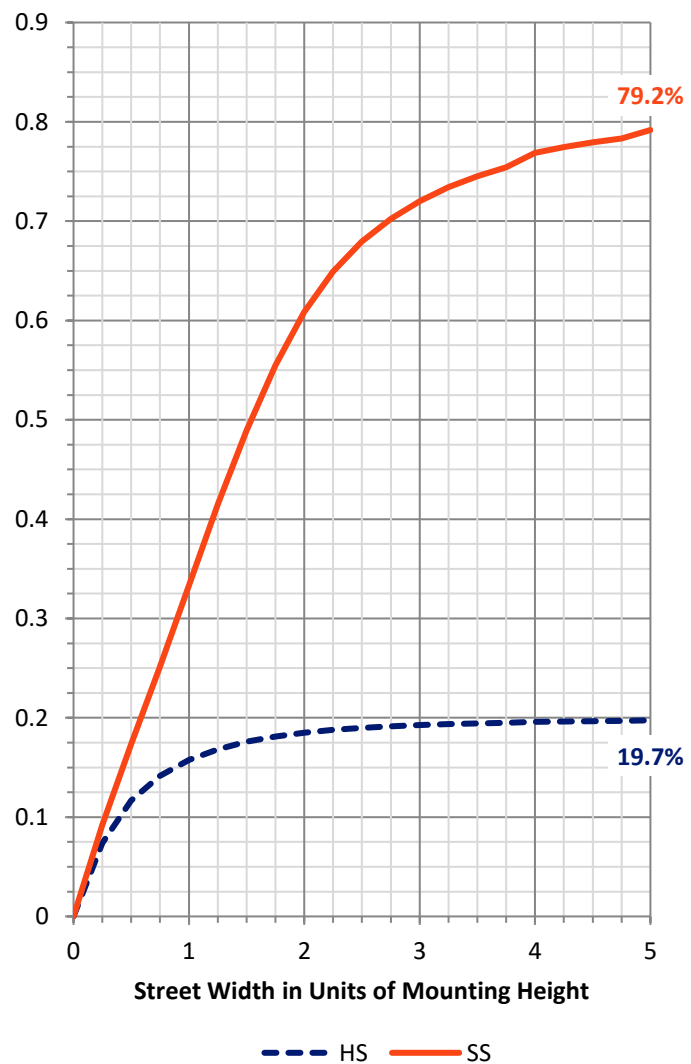
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.0	0.0	904.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3644.0	0.0	3644.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	4548.0	0.0	4548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.4
10°-20°	185.9	4.1
20°-30°	273.8	6.0
30°-40°	351.8	7.7
40°-50°	568.9	12.5
50°-60°	997.7	21.9
60°-70°	1248.3	27.4
70°-80°	729.5	16.0
80°-90°	130.2	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°	4548.0	100.0
0°-180°	4548.0	100.0

Coefficient of Utilization



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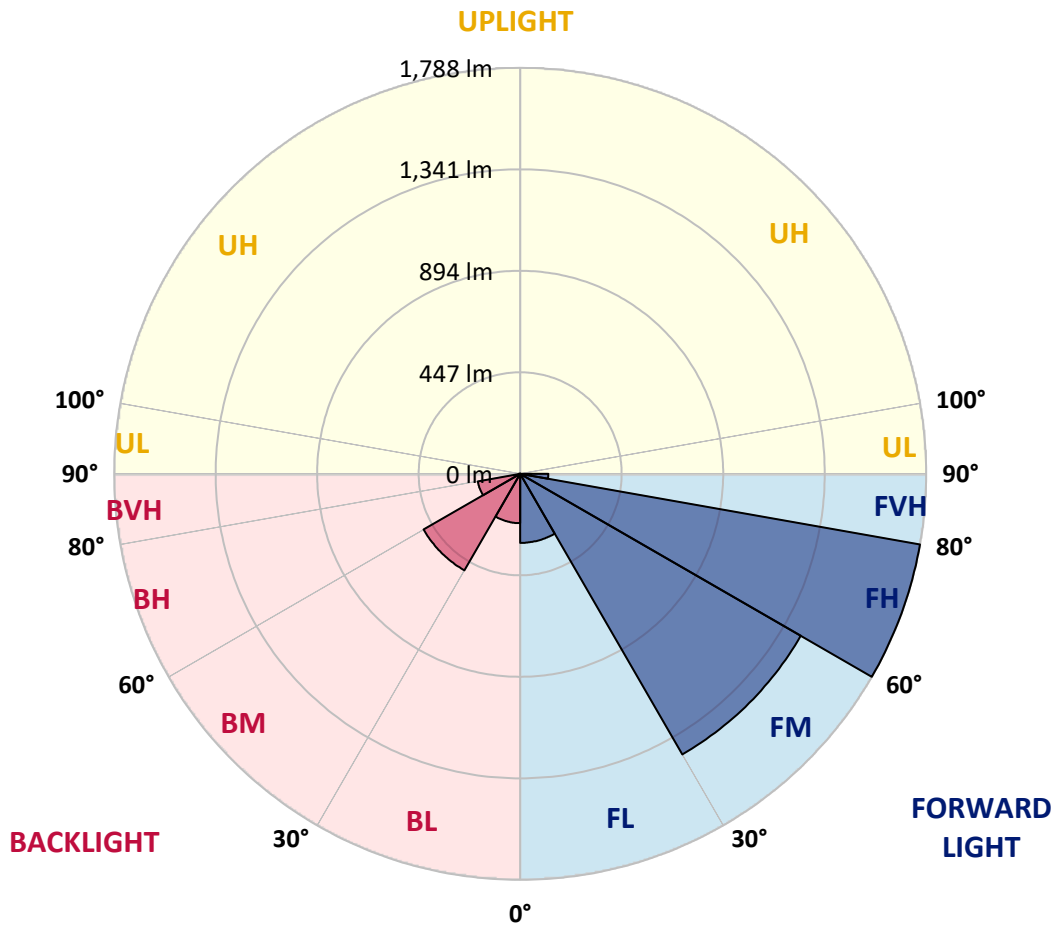
CATALOG NUMBER: GALN-SB1B-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.3	6.7			
FM (30°-60°)	1427.2	31.4			
FH (60°-80°)	1788.4	39.3			G1/1800
FVH (80°-90°)	124.1	2.7			G2/225
BL (0°-30°)	217.4	4.8	B1/500		
BM (30°-60°)	491.1	10.8	B1/1000		
BH (60°-80°)	189.4	4.2	B1/500		G1/500
BVH (80°-90°)	6.1	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°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
2.5°	705.6	710.9	722.8	729.1	738.8	739.4	739.4	731.0	730.6	713.4
5°	788.6	801.1	829.3	858.5	864.7	866.3	863.2	846.2	833.7	800.2
7.5°	871.0	895.1	938.0	976.9	989.4	989.4	981.9	954.3	928.6	880.1
10°	939.3	969.7	1028.0	1071.5	1085.9	1082.8	1067.4	1032.7	997.3	938.4
12.5°	984.4	1018.6	1082.5	1117.6	1132.3	1124.2	1106.6	1072.8	1035.5	973.5
15°	1007.0	1042.7	1098.2	1116.6	1112.6	1104.1	1101.9	1085.6	1057.4	999.5
17.5°	1016.7	1049.9	1088.4	1076.8	1042.4	1035.8	1057.7	1078.4	1071.5	1022.0
20°	1025.8	1053.7	1065.3	1013.9	953.7	947.8	989.7	1048.6	1078.7	1043.0
22.5°	1038.3	1055.5	1031.7	947.4	882.6	868.8	915.2	1003.8	1080.9	1069.6
25°	1055.5	1060.2	994.8	884.5	819.3	805.5	848.8	954.0	1077.2	1098.5
27.5°	1076.2	1066.5	959.4	831.8	768.9	756.0	799.3	906.1	1066.5	1127.3
30°	1103.2	1074.7	924.3	791.1	732.8	723.4	765.1	864.7	1053.3	1163.9
32.5°	1130.4	1078.1	891.7	767.3	724.7	728.1	762.3	842.5	1038.9	1199.0
35°	1159.9	1089.1	875.7	790.8	792.7	822.8	836.9	863.2	1036.7	1246.7
37.5°	1200.0	1113.5	894.8	907.7	972.8	1035.2	1023.6	964.4	1062.1	1317.8
40°	1257.6	1156.4	978.2	1106.6	1240.4	1341.6	1297.4	1148.3	1139.8	1420.2
42.5°	1341.6	1224.7	1126.0	1349.7	1576.6	1743.3	1624.8	1385.5	1275.8	1566.5
45°	1465.7	1335.3	1304.9	1606.3	1991.1	2253.6	2007.4	1638.3	1466.3	1788.1
47.5°	1637.7	1497.9	1472.6	1876.7	2494.9	2834.5	2431.6	1872.7	1683.1	2090.1
50°	1866.1	1716.9	1631.4	2172.5	3047.3	3426.7	2855.5	2098.9	1931.6	2459.2
52.5°	2167.5	2022.4	1816.6	2454.2	3615.3	4006.3	3281.3	2297.5	2239.9	2887.5
55°	2578.5	2482.0	2069.7	2723.0	4183.0	4589.4	3690.5	2484.9	2647.2	3396.3
57.5°	3088.6	3157.5	2434.7	3034.7	4693.4	5190.3	4101.5	2746.8	3176.0	3965.2
60°	3417.6	4055.8	3133.7	3495.6	5273.3	5869.9	4664.9	3244.9	3731.8	4169.2
62.5°	3338.0	4341.5	3970.9	4084.0	5806.6	6363.9	5216.9	3745.3	3836.5	3868.7
65°	3093.9	4110.9	3800.1	4198.3	5941.6	6391.8	5364.5	3680.8	3254.3	3158.5
67.5°	2758.1	3837.4	3394.4	3895.1	5697.5	6002.1	5089.7	3255.9	2514.9	2370.2
70°	2395.6	3534.8	3128.1	3554.8	5232.3	5322.8	4622.6	2863.7	1849.8	1600.7
72.5°	2051.6	3219.6	2945.7	3206.1	4611.6	4424.2	4014.4	2516.8	1346.9	1154.5
75°	1699.7	2754.6	2686.0	2791.9	3795.4	3484.9	3335.5	2083.8	1057.1	835.3
77.5°	1311.5	2152.4	2310.3	2235.8	2671.6	2588.6	2585.4	1565.9	772.3	557.4
80°	897.6	1500.1	1805.0	1577.2	1733.9	1691.6	1947.2	1050.5	560.2	335.6
82.5°	527.6	913.3	1256.4	763.5	958.7	984.1	1159.6	511.0	329.6	77.4
85°	214.0	360.6	491.3	298.9	462.4	390.1	440.2	143.5	91.8	1.9
87.5°	53.9	115.3	80.8	33.5	53.6	49.2	38.9	17.5	3.8	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
629.8	0°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
711.5	2.5°	699.3	692.1	674.2	656.4	642.0	622.5	609.7	594.3	579.6	566.5
793.0	5°	773.2	749.4	716.9	687.1	656.7	627.2	598.1	567.4	539.2	522.0
861.9	7.5°	833.4	791.4	748.2	710.3	673.6	639.2	600.6	563.3	519.2	495.7
914.6	10°	878.2	823.1	766.4	722.8	685.8	652.3	619.7	582.1	528.9	499.4
946.5	12.5°	907.7	842.2	775.8	725.9	684.6	658.6	644.2	629.4	576.5	542.0
970.0	15°	928.0	855.6	782.3	718.7	668.0	648.9	663.3	680.2	646.4	606.6
994.4	17.5°	950.3	873.2	785.2	699.3	635.7	627.6	664.8	704.0	702.4	663.0
1017.6	20°	973.8	888.5	783.3	668.0	596.5	603.7	651.4	696.8	715.9	694.6
1044.3	22.5°	997.9	903.3	776.1	627.2	559.9	582.4	630.1	669.9	692.4	685.8
1076.8	25°	1028.3	924.0	765.4	583.4	529.5	560.8	605.3	637.6	653.3	652.9
1111.9	27.5°	1064.6	951.5	759.8	548.0	507.9	536.4	575.9	604.7	615.7	615.7
1155.5	30°	1106.9	984.1	753.5	524.8	495.3	511.0	541.7	569.9	580.9	580.9
1203.1	32.5°	1153.9	1015.4	738.5	510.7	485.9	486.3	505.7	531.4	544.5	546.4
1262.6	35°	1210.3	1049.0	705.6	499.4	475.0	462.1	471.5	492.8	508.5	512.6
1347.5	37.5°	1284.3	1090.0	658.6	482.8	458.1	436.8	438.9	455.2	472.5	478.7
1464.7	40°	1383.6	1138.3	609.7	459.0	434.2	408.9	407.9	419.8	436.8	443.6
1623.3	42.5°	1514.9	1196.2	563.0	436.1	405.4	379.4	377.9	387.3	402.0	409.2
1832.5	45°	1682.8	1267.3	522.9	418.3	377.2	351.5	350.9	358.7	371.6	379.1
2100.4	47.5°	1916.2	1338.5	495.7	408.9	355.0	328.7	329.9	336.8	348.4	353.7
2447.3	50°	2220.4	1360.1	481.9	408.9	343.1	308.3	314.6	320.2	329.0	332.1
2863.0	52.5°	2512.4	1288.6	469.3	411.4	344.6	291.1	304.5	308.6	316.1	317.4
3248.4	55°	2655.6	1107.9	452.1	412.0	354.4	276.3	296.4	303.9	306.7	306.4
3472.1	57.5°	2606.4	895.8	423.0	409.5	360.9	266.9	286.4	300.8	302.7	299.8
3429.5	60°	2433.8	659.5	400.7	391.0	358.4	264.1	271.0	293.9	296.7	292.9
3101.1	62.5°	2144.3	457.7	383.5	350.3	347.5	263.2	246.9	278.8	285.7	280.4
2492.7	65°	1688.1	323.3	330.2	307.0	323.6	258.2	221.8	260.7	270.1	261.9
1808.4	67.5°	1142.3	233.4	267.6	278.2	285.1	246.9	203.7	240.0	252.5	241.9
1160.5	70°	616.9	163.9	176.7	234.4	242.2	227.5	187.4	219.0	233.4	221.8
824.9	72.5°	364.4	117.8	123.8	188.3	201.8	200.2	169.2	194.6	212.1	198.3
569.3	75°	200.8	79.6	88.4	136.6	163.9	154.5	145.4	164.8	182.7	169.2
356.9	77.5°	89.9	47.6	61.4	89.6	128.8	105.9	112.5	128.5	145.1	131.0
198.6	80°	34.8	26.6	40.7	48.9	93.7	58.6	72.4	94.6	106.5	95.2
43.2	82.5°	4.4	11.9	17.5	19.1	54.5	31.0	42.0	59.5	58.6	50.8
0.0	85°	0.0	2.2	2.5	1.3	23.5	11.3	13.8	19.4	18.2	13.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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°
629.8	0°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
564.0	2.5°	548.6	537.3	531.7	527.0	531.4	533.9	533.9	544.5	550.8	553.3
511.0	5°	483.4	462.4	448.3	439.9	442.7	445.8	449.3	462.8	471.8	477.8
474.4	7.5°	432.1	400.1	380.4	370.0	371.6	373.8	376.6	389.8	398.8	406.7
467.5	10°	406.7	361.6	335.6	323.0	320.8	319.6	318.6	326.5	333.4	339.6
495.7	12.5°	407.9	345.0	313.3	298.0	291.4	283.9	277.9	279.2	283.5	291.4
546.1	15°	423.9	339.6	301.7	282.6	271.6	262.9	255.7	254.1	255.7	256.9
603.7	17.5°	445.5	339.0	291.7	267.9	256.6	249.4	242.8	240.6	240.9	242.5
642.0	20°	462.8	337.1	280.4	253.8	243.8	237.5	230.9	228.7	229.3	229.7
645.7	22.5°	471.8	334.3	267.9	239.7	231.2	225.0	219.0	218.7	218.7	220.6
625.4	25°	471.8	328.3	256.6	226.2	218.7	213.1	205.8	207.1	207.7	210.2
593.7	27.5°	460.6	317.1	247.5	214.6	206.8	201.1	194.6	196.1	197.1	199.9
562.4	30°	446.2	303.6	237.2	203.7	194.6	190.5	184.9	185.5	186.7	189.9
533.3	32.5°	430.8	287.6	228.7	192.7	183.6	180.5	174.2	175.1	176.4	179.8
504.4	35°	413.9	268.8	218.7	182.7	173.6	171.1	163.9	164.5	166.4	170.1
473.4	37.5°	396.0	253.5	208.7	172.9	163.5	161.0	153.5	154.1	156.3	160.7
440.8	40°	378.5	238.4	198.0	162.6	153.2	151.0	142.9	143.5	146.0	150.7
407.9	42.5°	359.4	226.8	184.2	152.0	141.9	139.7	132.2	133.2	136.0	140.7
377.5	45°	336.5	219.3	168.9	141.9	130.7	128.5	121.6	123.4	126.6	131.3
351.5	47.5°	313.0	216.2	156.0	131.3	119.1	117.2	111.5	114.7	118.1	121.9
329.3	50°	290.4	212.1	142.9	121.3	109.0	107.2	103.4	107.5	110.9	114.4
313.3	52.5°	264.7	203.3	131.0	112.5	100.6	99.9	98.1	101.8	105.0	108.1
299.5	55°	238.1	189.2	120.6	104.6	93.4	94.0	93.1	96.2	98.7	101.5
287.0	57.5°	214.9	171.4	112.5	96.2	87.1	89.0	87.7	89.3	90.9	94.3
272.0	60°	191.4	150.1	103.4	86.2	80.8	83.0	79.6	79.3	79.9	80.8
249.7	62.5°	159.8	127.8	92.1	77.4	73.9	74.9	68.3	63.3	63.3	64.2
218.7	65°	128.5	107.2	79.6	67.4	64.5	63.9	54.5	47.6	47.0	49.8
182.7	67.5°	105.6	89.0	67.0	56.1	54.2	54.8	47.9	41.0	40.4	43.6
148.8	70°	87.4	71.7	53.6	43.2	45.1	47.9	41.0	34.5	33.5	36.3
120.9	72.5°	69.6	56.1	41.0	32.0	37.3	40.7	33.5	27.3	26.6	29.1
93.4	75°	51.1	40.1	27.9	23.2	28.8	32.0	24.4	19.4	18.5	20.7
62.3	77.5°	31.6	22.6	17.5	13.8	19.7	21.3	12.8	11.3	11.0	12.5
37.9	80°	14.7	9.7	8.5	4.7	7.2	8.5	5.3	6.0	6.3	7.5
19.1	82.5°	4.1	1.6	0.3	0.0	0.0	2.5	1.3	2.5	3.1	4.7
1.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	2.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°
629.8	0°	629.8	629.8	629.8	629.8	629.8	629.8	629.8	629.8
570.9	2.5°	584.0	596.5	616.6	637.3	657.6	678.3	698.4	705.6
505.1	5°	529.8	558.6	598.4	641.0	684.9	729.4	770.1	788.6
437.1	7.5°	469.3	510.7	570.5	637.3	707.1	777.0	841.2	871.0
369.7	10°	404.8	457.1	525.4	615.7	715.9	812.4	900.8	939.3
310.5	12.5°	343.4	398.2	473.7	581.8	709.0	832.8	939.0	984.4
268.8	15°	292.0	340.6	422.0	541.7	686.8	834.0	957.2	1007.0
245.6	17.5°	253.5	285.1	369.4	497.2	657.6	822.4	963.4	1016.7
233.1	20°	234.4	243.1	301.1	440.2	630.4	811.5	969.7	1025.8
223.1	22.5°	223.1	225.3	246.3	366.6	597.8	808.0	980.7	1038.3
214.0	25°	214.0	214.6	220.3	290.4	548.0	805.8	997.6	1055.5
204.6	27.5°	204.9	204.9	208.0	234.0	480.3	796.4	1019.5	1076.2
195.2	30°	195.8	195.8	198.0	207.1	401.0	777.9	1045.8	1103.2
185.8	32.5°	186.4	186.4	188.3	194.9	320.2	754.8	1070.0	1130.4
176.1	35°	177.0	176.4	178.9	185.8	254.7	725.3	1094.1	1159.9
166.4	37.5°	167.0	166.7	169.2	177.0	219.9	691.2	1112.2	1200.0
156.7	40°	156.3	156.3	159.2	167.6	209.9	648.2	1141.1	1257.6
146.6	42.5°	146.6	146.0	149.1	159.5	202.4	607.2	1192.8	1341.6
137.5	45°	137.2	136.0	138.8	151.6	189.2	592.8	1289.3	1465.7
128.8	47.5°	128.5	125.3	127.8	142.2	177.3	646.7	1447.2	1637.7
120.9	50°	121.3	115.3	117.5	132.8	168.2	763.5	1652.1	1866.1
113.7	52.5°	113.7	105.9	107.2	121.3	160.1	874.8	1874.2	2167.5
106.5	55°	105.9	97.1	97.8	109.7	148.5	891.4	2091.0	2578.5
98.4	57.5°	97.1	89.0	89.0	99.0	140.0	772.6	2257.7	3088.6
88.4	60°	87.4	82.1	80.5	90.5	147.6	545.2	2277.1	3417.6
75.5	62.5°	76.8	73.9	71.7	82.4	153.2	323.0	2120.8	3338.0
59.5	65°	64.5	63.9	62.3	90.5	129.1	190.8	1820.6	3093.9
50.8	67.5°	54.2	53.3	53.3	94.9	98.1	120.0	1422.4	2758.1
43.2	70°	46.7	43.2	43.2	71.7	59.5	83.0	993.2	2395.6
35.7	72.5°	39.2	35.4	32.9	57.3	44.5	60.8	620.7	2051.6
27.3	75°	31.3	28.5	25.4	37.9	33.2	46.1	360.6	1699.7
17.2	77.5°	22.6	21.3	17.9	27.9	24.1	33.2	214.6	1311.5
10.7	80°	11.6	11.9	11.3	16.0	16.3	22.6	122.2	897.6
6.9	82.5°	6.9	5.3	6.0	7.8	9.4	12.8	46.1	527.6
5.0	85°	4.4	2.8	2.8	3.8	4.7	5.0	14.1	214.0
2.5	87.5°	2.2	0.9	1.3	1.9	1.6	1.3	0.6	53.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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