

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: P945637

Luminaire Tested: **GALN-SB1C-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945637
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 615mA 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: 6049 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

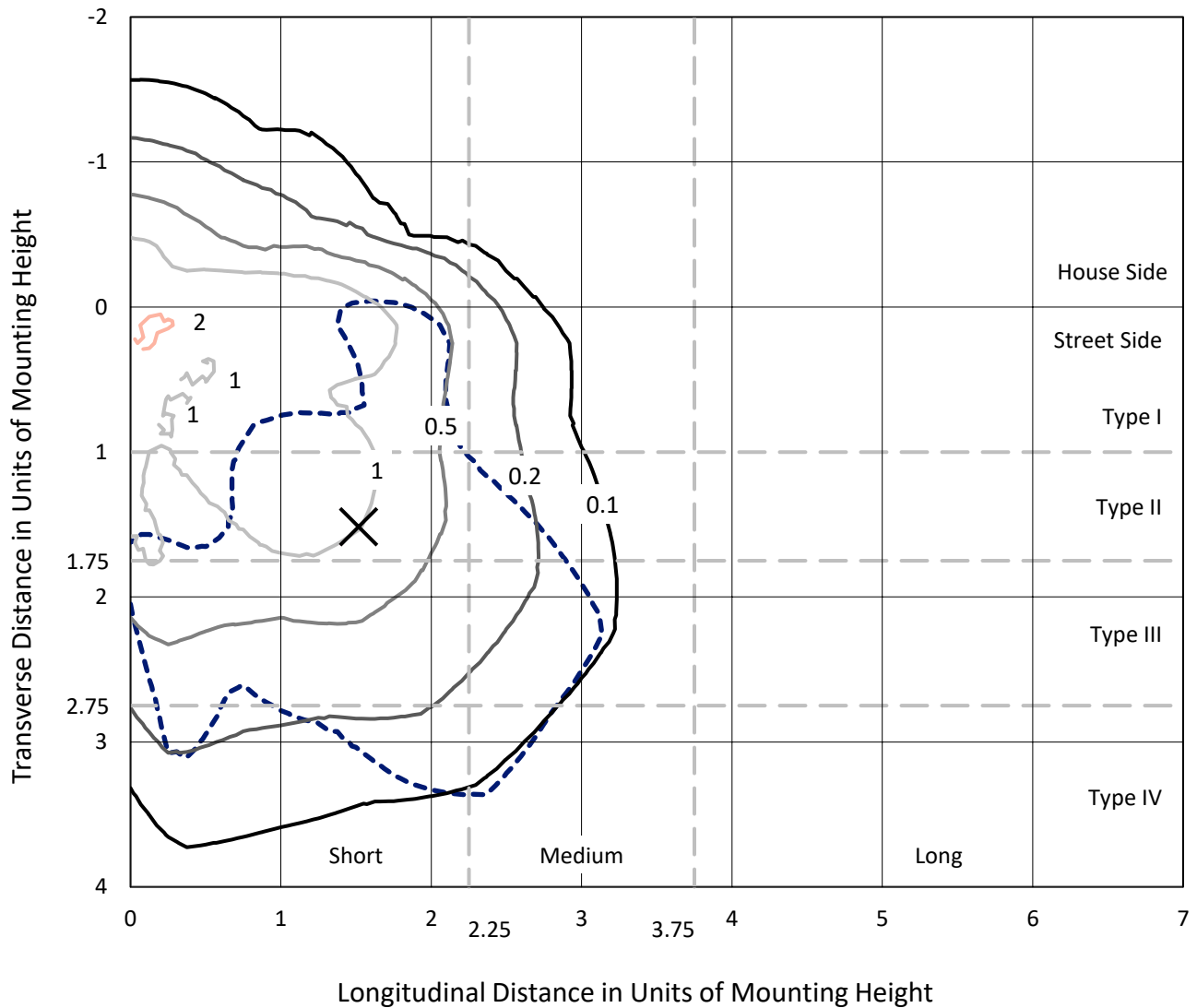
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

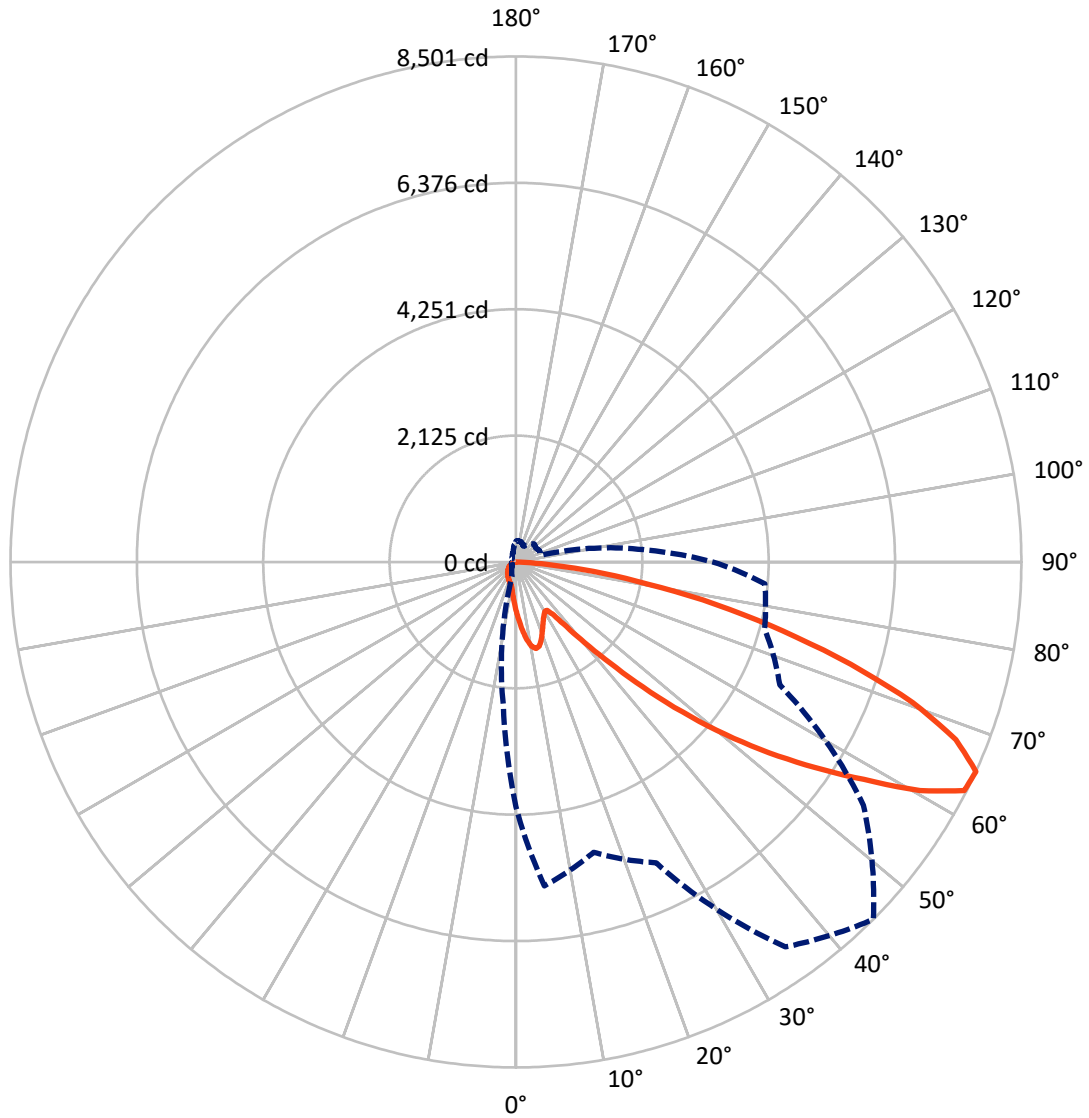
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	1202.3	0.0	1202.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4846.7	0.0	4846.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	6049.0	0.0	6049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.4
10°-20°	247.2	4.1
20°-30°	364.2	6.0
30°-40°	467.9	7.7
40°-50°	756.7	12.5
50°-60°	1326.9	21.9
60°-70°	1660.3	27.4
70°-80°	970.2	16.0
80°-90°	173.1	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°	6049.0	100.0
0°-180°	6049.0	100.0

Coefficient of Utilization



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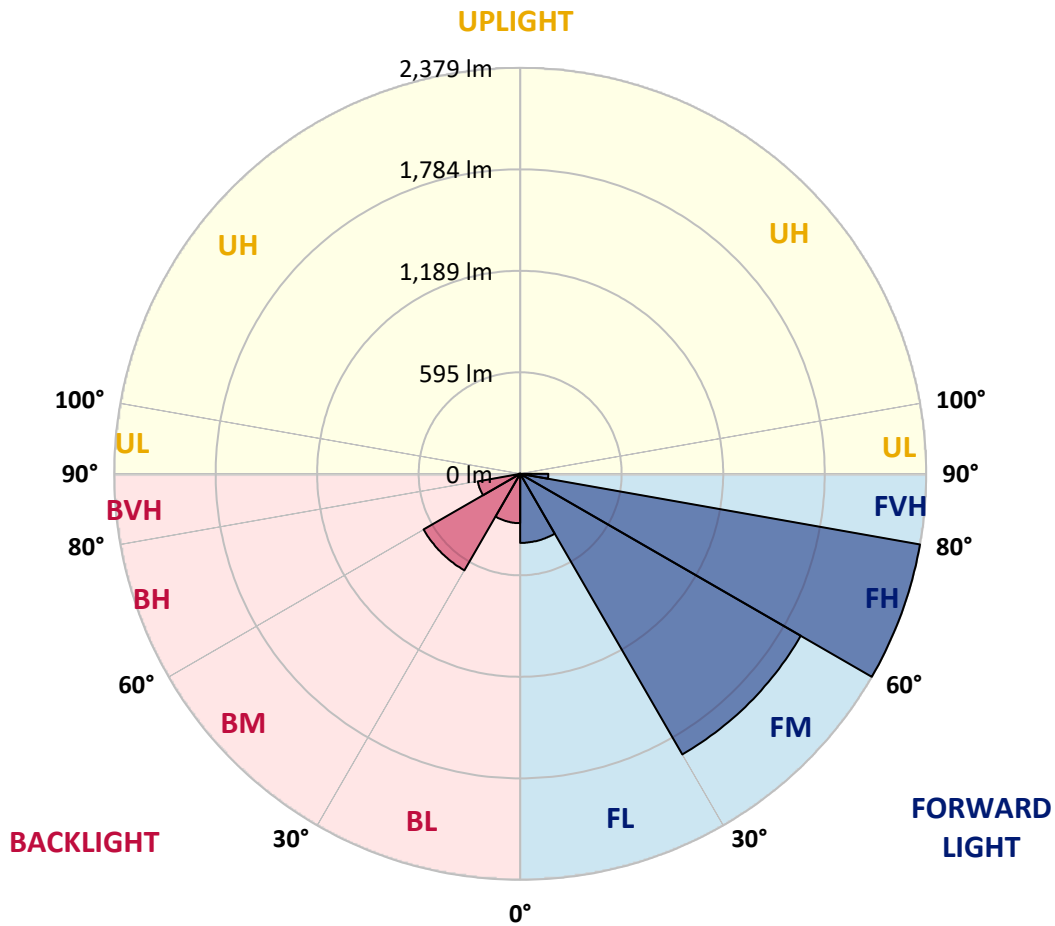
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.7	6.7			
FM (30°-60°)	1898.3	31.4			
FH (60°-80°)	2378.7	39.3			G2/5000
FVH (80°-90°)	165.0	2.7			G2/225
BL (0°-30°)	289.1	4.8	B1/500		
BM (30°-60°)	653.2	10.8	B1/1000		
BH (60°-80°)	251.9	4.2	B1/500		G1/500
BVH (80°-90°)	8.1	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°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
2.5°	938.4	945.5	961.4	969.7	982.6	983.4	983.4	972.2	971.8	948.9
5°	1048.9	1065.5	1103.0	1141.8	1150.1	1152.2	1148.0	1125.5	1108.9	1064.3
7.5°	1158.5	1190.5	1247.6	1299.3	1316.0	1316.0	1306.0	1269.3	1235.1	1170.5
10°	1249.3	1289.7	1367.2	1425.2	1444.3	1440.2	1419.7	1373.5	1326.4	1248.1
12.5°	1309.3	1354.7	1439.7	1486.4	1506.0	1495.2	1471.8	1426.8	1377.2	1294.7
15°	1339.3	1386.8	1460.6	1485.2	1479.7	1468.5	1465.6	1443.9	1406.4	1329.3
17.5°	1352.2	1396.4	1447.7	1432.2	1386.4	1377.7	1406.8	1434.3	1425.2	1359.3
20°	1364.3	1401.4	1416.8	1348.5	1268.5	1260.6	1316.4	1394.7	1434.7	1387.2
22.5°	1381.0	1403.9	1372.2	1260.1	1173.9	1155.5	1217.2	1335.1	1437.7	1422.7
25°	1403.9	1410.2	1323.1	1176.4	1089.7	1071.4	1128.9	1268.9	1432.7	1461.0
27.5°	1431.4	1418.5	1276.0	1106.4	1022.6	1005.5	1063.0	1205.1	1418.5	1499.3
30°	1467.2	1429.3	1229.3	1052.2	974.7	962.2	1017.6	1150.1	1401.0	1548.1
32.5°	1503.5	1433.9	1186.0	1020.5	963.9	968.4	1013.9	1120.5	1381.8	1594.8
35°	1542.7	1448.5	1164.7	1051.8	1054.3	1094.3	1113.0	1148.0	1378.9	1658.1
37.5°	1596.0	1481.0	1190.1	1207.2	1293.9	1376.8	1361.4	1282.6	1412.7	1752.7
40°	1672.7	1538.1	1301.0	1471.8	1649.8	1784.4	1725.6	1527.3	1516.0	1889.0
42.5°	1784.4	1628.9	1497.7	1795.2	2096.9	2318.6	2161.1	1842.7	1696.9	2083.6
45°	1949.4	1776.0	1735.6	2136.5	2648.2	2997.4	2669.9	2179.0	1950.2	2378.2
47.5°	2178.2	1992.3	1958.6	2496.1	3318.3	3770.0	3234.1	2490.7	2238.6	2779.9
50°	2481.9	2283.6	2169.8	2889.5	4052.9	4557.6	3797.9	2791.6	2569.0	3270.8
52.5°	2882.8	2689.9	2416.1	3264.1	4808.5	5328.5	4364.2	3055.8	2979.1	3840.4
55°	3429.5	3301.2	2752.8	3621.7	5563.5	6104.0	4908.5	3305.0	3520.8	4517.2
57.5°	4108.0	4199.6	3238.3	4036.3	6242.4	6903.3	5455.2	3653.3	4224.2	5273.9
60°	4545.5	5394.3	4168.0	4649.3	7013.7	7807.1	6204.4	4315.9	4963.5	5545.2
62.5°	4439.7	5774.4	5281.4	5431.9	7722.9	8464.3	6938.7	4981.4	5102.6	5145.6
65°	4115.0	5467.7	5054.3	5584.0	7902.5	8501.4	7135.0	4895.5	4328.4	4200.9
67.5°	3668.3	5103.9	4514.7	5180.6	7577.9	7983.0	6769.5	4330.5	3345.0	3152.4
70°	3186.2	4701.4	4160.5	4728.0	6959.1	7079.5	6148.2	3808.8	2460.3	2129.0
72.5°	2728.6	4282.1	3917.9	4264.2	6133.6	5884.4	5339.3	3347.5	1791.4	1535.6
75°	2260.7	3663.7	3572.5	3713.3	5048.1	4635.1	4436.3	2771.6	1406.0	1111.0
77.5°	1744.4	2862.8	3072.8	2973.7	3553.3	3442.9	3438.7	2082.7	1027.2	741.3
80°	1193.9	1995.2	2400.7	2097.7	2306.1	2249.8	2589.9	1397.2	745.1	446.3
82.5°	701.7	1214.7	1671.0	1015.5	1275.1	1308.9	1542.3	679.7	438.4	102.9
85°	284.6	479.6	653.4	397.5	615.1	518.8	585.5	190.9	122.1	2.5
87.5°	71.7	153.4	107.5	44.6	71.3	65.4	51.7	23.3	5.0	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
946.4	2.5°	930.1	920.5	896.8	873.0	853.8	828.0	810.9	790.5	770.9	753.4
1054.7	5°	1028.4	996.8	953.4	913.9	873.4	834.3	795.5	754.7	717.2	694.2
1146.4	7.5°	1108.5	1052.6	995.1	944.7	895.9	850.1	798.8	749.2	690.5	659.2
1216.4	10°	1168.0	1094.7	1019.3	961.4	912.2	867.6	824.3	774.3	703.4	664.2
1258.9	12.5°	1207.2	1120.1	1031.8	965.5	910.5	875.9	856.8	837.2	766.8	720.9
1290.1	15°	1234.3	1138.0	1040.5	955.9	888.4	863.0	882.2	904.7	859.7	806.8
1322.6	17.5°	1263.9	1161.4	1044.3	930.1	845.5	834.7	884.3	936.4	934.3	881.8
1353.5	20°	1295.1	1181.8	1041.8	888.4	793.4	803.0	866.3	926.8	952.2	923.9
1388.9	22.5°	1327.2	1201.4	1032.2	834.3	744.7	774.7	838.0	890.9	920.9	912.2
1432.2	25°	1367.7	1228.9	1018.0	775.9	704.2	745.9	805.1	848.0	868.8	868.4
1478.9	27.5°	1416.0	1265.6	1010.5	728.8	675.5	713.4	765.9	804.3	818.8	818.8
1536.8	30°	1472.2	1308.9	1002.2	698.0	658.8	679.7	720.5	758.0	772.6	772.6
1600.2	32.5°	1534.8	1350.6	982.2	679.2	646.3	646.7	672.6	706.7	724.2	726.7
1679.4	35°	1609.8	1395.2	938.4	664.2	631.7	614.7	627.2	655.5	676.3	681.7
1792.3	37.5°	1708.1	1449.7	875.9	642.2	609.2	580.9	583.8	605.5	628.4	636.7
1948.1	40°	1840.2	1513.9	810.9	610.5	577.6	543.8	542.6	558.4	580.9	590.1
2159.0	42.5°	2014.8	1591.0	748.8	580.1	539.2	504.6	502.6	515.1	534.6	544.2
2437.4	45°	2238.2	1685.6	695.5	556.3	501.7	467.6	466.7	477.1	494.2	504.2
2793.6	47.5°	2548.6	1780.2	659.2	543.8	472.1	437.1	438.8	448.0	463.4	470.5
3254.9	50°	2953.2	1809.0	640.9	543.8	456.3	410.0	418.4	425.9	437.5	441.7
3807.9	52.5°	3341.6	1713.9	624.2	547.1	458.4	387.1	405.0	410.5	420.5	422.1
4320.5	55°	3532.1	1473.5	601.3	548.0	471.3	367.5	394.2	404.2	408.0	407.5
4618.0	57.5°	3466.6	1191.4	562.6	544.6	480.1	355.0	380.9	400.0	402.5	398.8
4561.3	60°	3237.0	877.2	533.0	520.1	476.7	351.3	360.5	390.9	394.6	389.6
4124.6	62.5°	2852.0	608.8	510.1	465.9	462.1	350.0	328.4	370.9	380.0	373.0
3315.4	65°	2245.2	430.0	439.2	408.4	430.5	343.4	295.0	346.7	359.2	348.4
2405.3	67.5°	1519.3	310.5	355.9	370.0	379.2	328.4	270.9	319.2	335.9	321.7
1543.5	70°	820.5	217.9	235.0	311.7	322.1	302.5	249.2	291.3	310.5	295.0
1097.2	72.5°	484.6	156.7	164.6	250.4	268.4	266.3	225.0	258.8	282.1	263.8
757.2	75°	267.1	105.8	117.5	181.7	217.9	205.4	193.4	219.2	242.9	225.0
474.6	77.5°	119.6	63.3	81.7	119.2	171.3	140.8	149.6	170.9	192.9	174.2
264.2	80°	46.3	35.4	54.2	65.0	124.6	77.9	96.3	125.8	141.7	126.7
57.5	82.5°	5.8	15.8	23.3	25.4	72.5	41.3	55.8	79.2	77.9	67.5
0.0	85°	0.0	2.9	3.3	1.7	31.3	15.0	18.3	25.8	24.2	18.3
0.0	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
750.1	2.5°	729.7	714.7	707.2	700.9	706.7	710.1	710.1	724.2	732.6	735.9
679.7	5°	643.0	615.1	596.3	585.1	588.8	593.0	597.6	615.5	627.6	635.5
630.9	7.5°	574.6	532.1	505.9	492.1	494.2	497.1	500.9	518.4	530.5	540.9
621.7	10°	540.9	480.9	446.3	429.6	426.7	425.0	423.8	434.2	443.4	451.7
659.2	12.5°	542.6	458.8	416.7	396.3	387.5	377.5	369.6	371.3	377.1	387.5
726.3	15°	563.8	451.7	401.3	375.9	361.3	349.6	340.0	338.0	340.0	341.7
803.0	17.5°	592.6	450.9	388.0	356.3	341.3	331.7	323.0	320.0	320.5	322.5
853.8	20°	615.5	448.4	373.0	337.5	324.2	315.9	307.1	304.2	305.0	305.5
858.8	22.5°	627.6	444.6	356.3	318.8	307.5	299.2	291.3	290.9	290.9	293.4
831.8	25°	627.6	436.7	341.3	300.9	290.9	283.4	273.8	275.4	276.3	279.6
789.7	27.5°	612.6	421.7	329.2	285.4	275.0	267.5	258.8	260.9	262.1	265.9
748.0	30°	593.4	403.8	315.5	270.9	258.8	253.4	245.9	246.7	248.4	252.5
709.2	32.5°	573.0	382.5	304.2	256.3	244.2	240.0	231.7	232.9	234.6	239.2
670.9	35°	550.5	357.5	290.9	242.9	230.9	227.5	217.9	218.8	221.3	226.3
629.7	37.5°	526.7	337.1	277.5	230.0	217.5	214.2	204.2	205.0	207.9	213.8
586.3	40°	503.4	317.1	263.4	216.3	203.8	200.9	190.0	190.9	194.2	200.4
542.6	42.5°	478.0	301.7	245.0	202.1	188.8	185.9	175.9	177.1	180.9	187.1
502.1	45°	447.5	291.7	224.6	188.8	173.8	170.9	161.7	164.2	168.4	174.6
467.6	47.5°	416.3	287.5	207.5	174.6	158.4	155.9	148.3	152.5	157.1	162.1
438.0	50°	386.3	282.1	190.0	161.3	145.0	142.5	137.5	142.9	147.5	152.1
416.7	52.5°	352.1	270.4	174.2	149.6	133.8	132.9	130.4	135.4	139.6	143.8
398.4	55°	316.7	251.7	160.4	139.2	124.2	125.0	123.8	127.9	131.3	135.0
381.7	57.5°	285.9	227.9	149.6	127.9	115.8	118.3	116.7	118.8	120.8	125.4
361.7	60°	254.6	199.6	137.5	114.6	107.5	110.4	105.8	105.4	106.3	107.5
332.1	62.5°	212.5	170.0	122.5	102.9	98.3	99.6	90.8	84.2	84.2	85.4
290.9	65°	170.9	142.5	105.8	89.6	85.8	85.0	72.5	63.3	62.5	66.3
242.9	67.5°	140.4	118.3	89.2	74.6	72.1	72.9	63.8	54.6	53.8	57.9
197.9	70°	116.3	95.4	71.3	57.5	60.0	63.8	54.6	45.8	44.6	48.3
160.9	72.5°	92.5	74.6	54.6	42.5	49.6	54.2	44.6	36.3	35.4	38.8
124.2	75°	67.9	53.3	37.1	30.8	38.3	42.5	32.5	25.8	24.6	27.5
82.9	77.5°	42.1	30.0	23.3	18.3	26.3	28.3	17.1	15.0	14.6	16.7
50.4	80°	19.6	12.9	11.3	6.3	9.6	11.3	7.1	7.9	8.3	10.0
25.4	82.5°	5.4	2.1	0.4	0.0	0.0	3.3	1.7	3.3	4.2	6.3
2.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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°
837.6	0°	837.6	837.6	837.6	837.6	837.6	837.6	837.6	837.6
759.3	2.5°	776.8	793.4	820.1	847.6	874.7	902.2	928.9	938.4
671.7	5°	704.7	743.0	795.9	852.6	910.9	970.1	1024.3	1048.9
581.3	7.5°	624.2	679.2	758.8	847.6	940.5	1033.4	1118.9	1158.5
491.7	10°	538.4	608.0	698.8	818.8	952.2	1080.5	1198.0	1249.3
413.0	12.5°	456.7	529.6	630.1	773.8	943.0	1107.6	1248.9	1309.3
357.5	15°	388.4	453.0	561.3	720.5	913.4	1109.3	1273.1	1339.3
326.7	17.5°	337.1	379.2	491.3	661.3	874.7	1093.9	1281.4	1352.2
310.0	20°	311.7	323.4	400.5	585.5	838.4	1079.3	1289.7	1364.3
296.7	22.5°	296.7	299.6	327.5	487.6	795.1	1074.7	1304.3	1381.0
284.6	25°	284.6	285.4	292.9	386.3	728.8	1071.8	1326.8	1403.9
272.1	27.5°	272.5	272.5	276.7	311.3	638.8	1059.3	1356.0	1431.4
259.6	30°	260.4	260.4	263.4	275.4	533.4	1034.7	1391.0	1467.2
247.1	32.5°	247.9	247.9	250.4	259.2	425.9	1003.9	1423.1	1503.5
234.2	35°	235.4	234.6	237.9	247.1	338.8	964.7	1455.2	1542.7
221.3	37.5°	222.1	221.7	225.0	235.4	292.5	919.3	1479.3	1596.0
208.4	40°	207.9	207.9	211.7	222.9	279.2	862.2	1517.7	1672.7
195.0	42.5°	195.0	194.2	198.4	212.1	269.2	807.6	1586.4	1784.4
182.9	45°	182.5	180.9	184.6	201.7	251.7	788.4	1714.8	1949.4
171.3	47.5°	170.9	166.7	170.0	189.2	235.9	860.1	1924.8	2178.2
160.9	50°	161.3	153.4	156.3	176.7	223.8	1015.5	2197.3	2481.9
151.3	52.5°	151.3	140.8	142.5	161.3	212.9	1163.5	2492.8	2882.8
141.7	55°	140.8	129.2	130.0	145.8	197.5	1185.5	2781.1	3429.5
130.8	57.5°	129.2	118.3	118.3	131.7	186.3	1027.6	3002.8	4108.0
117.5	60°	116.3	109.2	107.1	120.4	196.3	725.1	3028.7	4545.5
100.4	62.5°	102.1	98.3	95.4	109.6	203.8	429.6	2820.7	4439.7
79.2	65°	85.8	85.0	82.9	120.4	171.7	253.8	2421.5	4115.0
67.5	67.5°	72.1	70.8	70.8	126.3	130.4	159.6	1891.9	3668.3
57.5	70°	62.1	57.5	57.5	95.4	79.2	110.4	1321.0	3186.2
47.5	72.5°	52.1	47.1	43.8	76.3	59.2	80.8	825.5	2728.6
36.3	75°	41.7	37.9	33.8	50.4	44.2	61.3	479.6	2260.7
22.9	77.5°	30.0	28.3	23.8	37.1	32.1	44.2	285.4	1744.4
14.2	80°	15.4	15.8	15.0	21.3	21.7	30.0	162.5	1193.9
9.2	82.5°	9.2	7.1	7.9	10.4	12.5	17.1	61.3	701.7
6.7	85°	5.8	3.8	3.8	5.0	6.3	6.7	18.8	284.6
3.3	87.5°	2.9	1.3	1.7	2.5	2.1	1.7	0.8	71.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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