

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: P945490

Luminaire Tested: **GALN-SB1B-935-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945490
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-935-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 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: 2991 lumens
Efficiency: N/A
Efficacy: 75.2 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

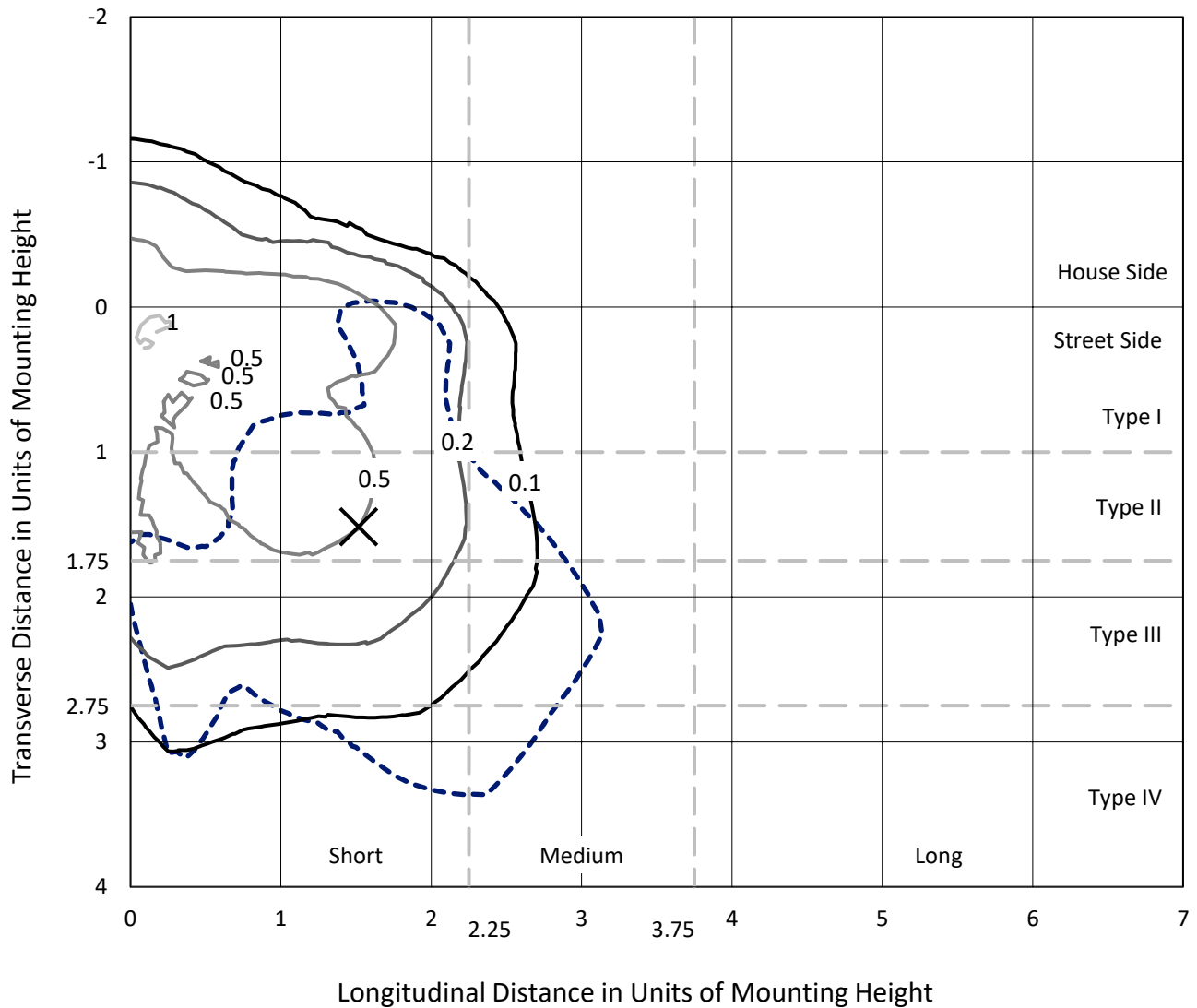
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

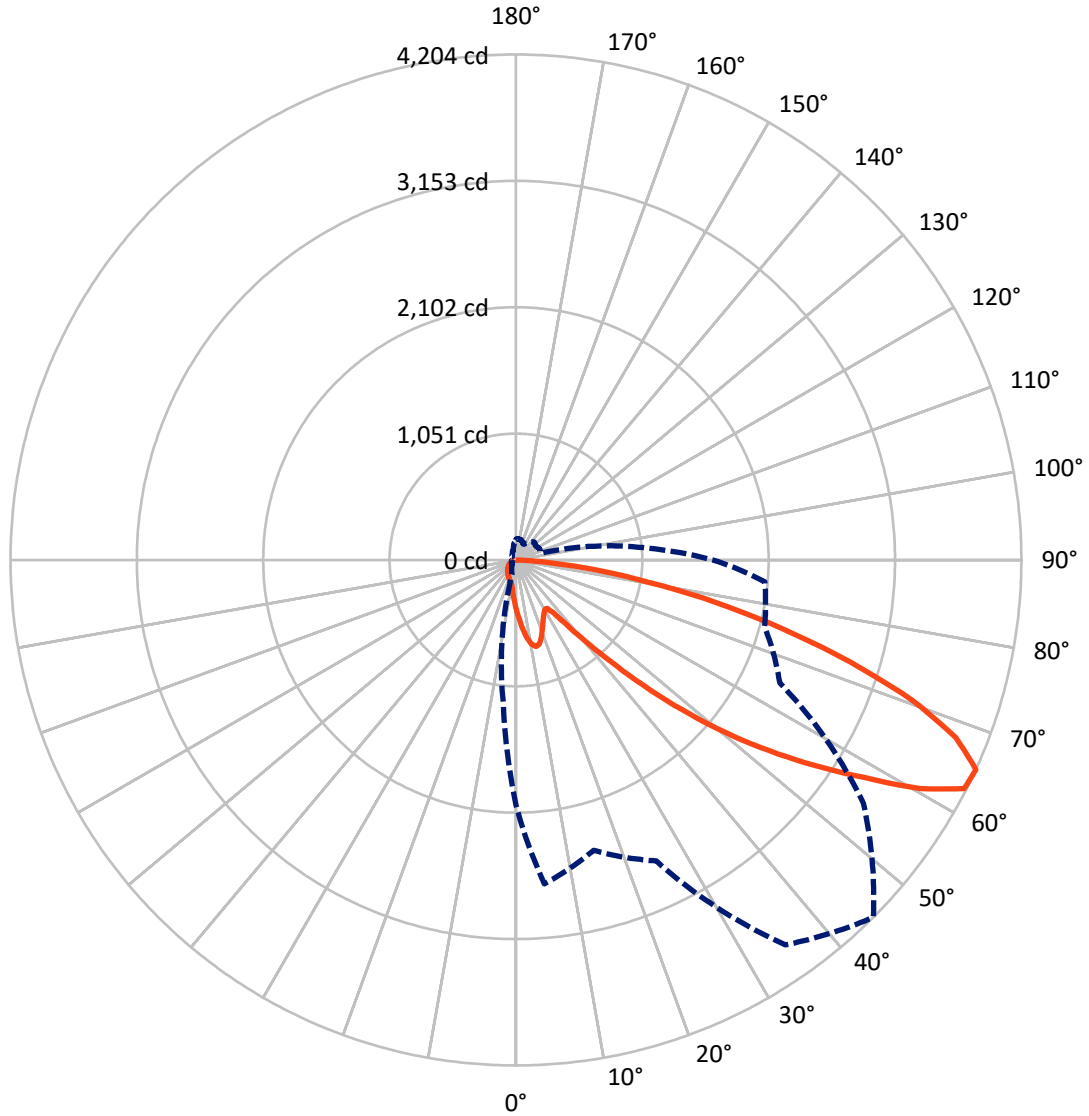
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	594.5	0.0	594.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2396.5	0.0	2396.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	2991.0	0.0	2991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.4
10°-20°	122.2	4.1
20°-30°	180.1	6.0
30°-40°	231.3	7.7
40°-50°	374.2	12.5
50°-60°	656.1	21.9
60°-70°	821.0	27.4
70°-80°	479.7	16.0
80°-90°	85.6	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°	2991.0	100.0
0°-180°	2991.0	100.0

Coefficient of Utilization



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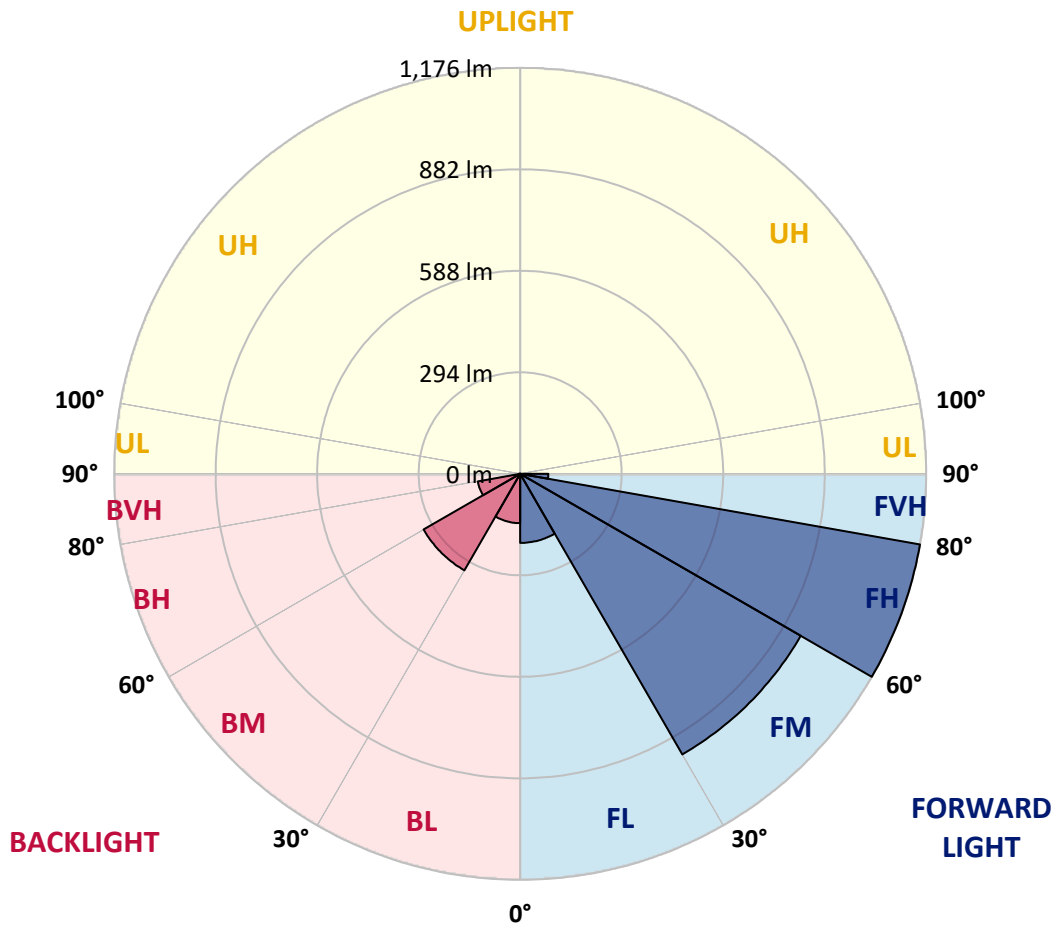
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.1	6.7			
FM (30°-60°)	938.6	31.4			
FH (60°-80°)	1176.2	39.3			G1/1800
FVH (80°-90°)	81.6	2.7			G1/100
BL (0°-30°)	142.9	4.8	B1/500		
BM (30°-60°)	323.0	10.8	B1/1000		
BH (60°-80°)	124.6	4.2	B1/500		G1/500
BVH (80°-90°)	4.0	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°
0°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2
2.5°	464.0	467.5	475.4	479.5	485.9	486.3	486.3	480.7	480.5	469.2
5°	518.6	526.9	545.4	564.6	568.7	569.7	567.7	556.5	548.3	526.2
7.5°	572.8	588.7	616.9	642.5	650.7	650.7	645.8	627.6	610.7	578.8
10°	617.7	637.7	676.0	704.7	714.2	712.1	702.0	679.1	655.9	617.1
12.5°	647.4	669.9	711.9	735.0	744.7	739.3	727.8	705.5	681.0	640.2
15°	662.2	685.7	722.2	734.4	731.7	726.1	724.7	714.0	695.4	657.3
17.5°	668.6	690.5	715.8	708.2	685.5	681.2	695.6	709.2	704.7	672.1
20°	674.6	692.9	700.6	666.8	627.2	623.3	650.9	689.6	709.4	685.9
22.5°	682.8	694.2	678.5	623.1	580.4	571.4	601.9	660.2	710.9	703.5
25°	694.2	697.3	654.2	581.7	538.8	529.8	558.2	627.4	708.4	722.4
27.5°	707.8	701.4	630.9	547.1	505.6	497.2	525.6	595.9	701.4	741.4
30°	725.5	706.7	607.8	520.3	481.9	475.8	503.2	568.7	692.7	765.5
32.5°	743.4	709.0	586.4	504.6	476.6	478.9	501.3	554.1	683.3	788.5
35°	762.8	716.2	575.9	520.1	521.3	541.1	550.4	567.7	681.8	819.9
37.5°	789.2	732.3	588.5	596.9	639.8	680.8	673.2	634.2	698.5	866.6
40°	827.1	760.5	643.3	727.8	815.7	882.3	853.2	755.2	749.6	934.0
42.5°	882.3	805.4	740.5	887.7	1036.8	1146.5	1068.6	911.1	839.0	1030.2
45°	963.9	878.2	858.2	1056.4	1309.4	1482.1	1320.2	1077.4	964.3	1175.9
47.5°	1077.0	985.1	968.4	1234.2	1640.8	1864.1	1599.1	1231.6	1106.9	1374.6
50°	1227.2	1129.1	1072.9	1428.7	2004.0	2253.6	1877.9	1380.3	1270.3	1617.3
52.5°	1425.4	1330.0	1194.7	1614.0	2377.6	2634.7	2157.9	1511.0	1473.0	1898.9
55°	1695.8	1632.3	1361.2	1790.8	2751.0	3018.2	2427.0	1634.2	1740.9	2233.6
57.5°	2031.2	2076.6	1601.2	1995.8	3086.6	3413.4	2697.4	1806.4	2088.7	2607.8
60°	2247.6	2667.3	2060.9	2298.9	3468.0	3860.3	3067.9	2134.0	2454.2	2741.9
62.5°	2195.2	2855.2	2611.5	2685.8	3818.7	4185.3	3430.9	2463.1	2523.1	2544.3
65°	2034.7	2703.6	2499.2	2761.1	3907.5	4203.6	3528.0	2420.7	2140.2	2077.2
67.5°	1813.8	2523.7	2232.3	2561.6	3747.0	3947.3	3347.3	2141.3	1654.0	1558.8
70°	1575.4	2324.6	2057.2	2337.8	3441.0	3500.6	3040.0	1883.3	1216.5	1052.7
72.5°	1349.2	2117.4	1937.3	2108.5	3032.8	2909.6	2640.1	1655.2	885.8	759.3
75°	1117.8	1811.6	1766.5	1836.1	2496.1	2291.9	2193.6	1370.4	695.2	549.3
77.5°	862.5	1415.6	1519.4	1470.4	1757.0	1702.4	1700.3	1029.8	507.9	366.6
80°	590.3	986.6	1187.0	1037.2	1140.3	1112.5	1280.6	690.9	368.4	220.7
82.5°	347.0	600.6	826.3	502.1	630.5	647.2	762.6	336.1	216.8	50.9
85°	140.7	237.2	323.1	196.6	304.1	256.5	289.5	94.4	60.4	1.2
87.5°	35.4	75.8	53.2	22.0	35.2	32.3	25.6	11.5	2.5	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°
414.2	0°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2
467.9	2.5°	459.9	455.2	443.4	431.7	422.2	409.4	401.0	390.9	381.2	372.5
521.5	5°	508.5	492.9	471.4	451.9	431.9	412.5	393.3	373.2	354.6	343.3
566.8	7.5°	548.1	520.5	492.0	467.1	443.0	420.3	395.0	370.5	341.4	326.0
601.5	10°	577.6	541.3	504.0	475.4	451.0	429.0	407.6	382.8	347.8	328.4
622.5	12.5°	596.9	553.9	510.2	477.4	450.2	433.1	423.6	414.0	379.1	356.5
637.9	15°	610.3	562.7	514.5	472.7	439.3	426.7	436.2	447.3	425.1	398.9
654.0	17.5°	624.9	574.3	516.4	459.9	418.1	412.7	437.2	463.0	462.0	436.0
669.2	20°	640.4	584.4	515.1	439.3	392.3	397.1	428.4	458.3	470.8	456.8
686.8	22.5°	656.3	594.0	510.4	412.5	368.2	383.0	414.4	440.5	455.4	451.0
708.2	25°	676.3	607.6	503.4	383.7	348.2	368.8	398.1	419.3	429.6	429.4
731.3	27.5°	700.2	625.8	499.7	360.4	334.0	352.8	378.7	397.7	404.9	404.9
759.9	30°	728.0	647.2	495.5	345.1	325.8	336.1	356.3	374.8	382.0	382.0
791.2	32.5°	758.9	667.8	485.7	335.9	319.6	319.8	332.6	349.5	358.1	359.3
830.4	35°	796.0	689.9	464.0	328.4	312.4	303.9	310.1	324.1	334.4	337.1
886.2	37.5°	844.6	716.8	433.1	317.5	301.2	287.2	288.7	299.4	310.7	314.8
963.3	40°	909.9	748.6	401.0	301.9	285.6	268.9	268.3	276.1	287.2	291.8
1067.5	42.5°	996.2	786.7	370.3	286.8	266.6	249.5	248.5	254.7	264.4	269.1
1205.2	45°	1106.7	833.5	343.9	275.1	248.1	231.2	230.8	235.9	244.4	249.3
1381.4	47.5°	1260.2	880.2	326.0	268.9	233.5	216.1	217.0	221.5	229.1	232.6
1609.4	50°	1460.3	894.5	316.9	268.9	225.6	202.8	206.9	210.6	216.4	218.4
1882.9	52.5°	1652.3	847.5	308.7	270.5	226.7	191.4	200.3	203.0	207.9	208.7
2136.3	55°	1746.5	728.6	297.3	271.0	233.0	181.7	194.9	199.9	201.7	201.5
2283.4	57.5°	1714.1	589.1	278.2	269.3	237.4	175.6	188.3	197.8	199.0	197.2
2255.4	60°	1600.6	433.7	263.5	257.1	235.7	173.7	178.2	193.3	195.1	192.7
2039.5	62.5°	1410.2	301.0	252.2	230.4	228.5	173.1	162.4	183.4	187.9	184.4
1639.3	65°	1110.2	212.6	217.2	201.9	212.8	169.8	145.9	171.4	177.6	172.3
1189.3	67.5°	751.3	153.5	176.0	183.0	187.5	162.4	133.9	157.8	166.1	159.1
763.2	70°	405.7	107.8	116.2	154.1	159.3	149.6	123.2	144.0	153.5	145.9
542.5	72.5°	239.6	77.5	81.4	123.8	132.7	131.7	111.3	128.0	139.5	130.4
374.4	75°	132.1	52.3	58.1	89.8	107.8	101.6	95.6	108.4	120.1	111.3
234.7	77.5°	59.1	31.3	40.4	58.9	84.7	69.6	74.0	84.5	95.4	86.1
130.6	80°	22.9	17.5	26.8	32.1	61.6	38.5	47.6	62.2	70.1	62.6
28.4	82.5°	2.9	7.8	11.5	12.6	35.9	20.4	27.6	39.1	38.5	33.4
0.0	85°	0.0	1.4	1.6	0.8	15.5	7.4	9.1	12.8	12.0	9.1
0.0	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
414.2	0°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2
370.9	2.5°	360.8	353.4	349.7	346.6	349.5	351.1	351.1	358.1	362.2	363.9
336.1	5°	317.9	304.1	294.9	289.3	291.1	293.2	295.5	304.3	310.3	314.2
312.0	7.5°	284.1	263.1	250.1	243.3	244.4	245.8	247.7	256.3	262.3	267.5
307.4	10°	267.5	237.8	220.7	212.4	211.0	210.2	209.6	214.7	219.2	223.4
326.0	12.5°	268.3	226.9	206.0	196.0	191.6	186.7	182.8	183.6	186.5	191.6
359.1	15°	278.8	223.4	198.4	185.9	178.6	172.9	168.1	167.1	168.1	169.0
397.1	17.5°	293.0	222.9	191.8	176.2	168.8	164.0	159.7	158.2	158.5	159.5
422.2	20°	304.3	221.7	184.4	166.9	160.3	156.2	151.9	150.4	150.8	151.0
424.7	22.5°	310.3	219.9	176.2	157.6	152.1	147.9	144.0	143.8	143.8	145.1
411.3	25°	310.3	215.9	168.8	148.8	143.8	140.1	135.4	136.2	136.6	138.3
390.5	27.5°	302.9	208.5	162.8	141.1	136.0	132.3	128.0	129.0	129.6	131.5
369.9	30°	293.4	199.7	156.0	133.9	128.0	125.3	121.6	122.0	122.8	124.9
350.7	32.5°	283.3	189.2	150.4	126.7	120.7	118.7	114.6	115.2	116.0	118.3
331.7	35°	272.2	176.8	143.8	120.1	114.2	112.5	107.8	108.2	109.4	111.9
311.3	37.5°	260.4	166.7	137.2	113.7	107.6	105.9	101.0	101.4	102.8	105.7
289.9	40°	248.9	156.8	130.2	106.9	100.8	99.3	94.0	94.4	96.0	99.1
268.3	42.5°	236.3	149.2	121.2	99.9	93.3	91.9	87.0	87.6	89.4	92.5
248.3	45°	221.3	144.2	111.1	93.3	85.9	84.5	79.9	81.2	83.2	86.3
231.2	47.5°	205.8	142.2	102.6	86.3	78.3	77.1	73.4	75.4	77.7	80.2
216.6	50°	191.0	139.5	94.0	79.7	71.7	70.5	68.0	70.7	72.9	75.2
206.0	52.5°	174.1	133.7	86.1	74.0	66.1	65.7	64.5	67.0	69.0	71.1
197.0	55°	156.6	124.5	79.3	68.8	61.4	61.8	61.2	63.3	64.9	66.8
188.7	57.5°	141.3	112.7	74.0	63.3	57.3	58.5	57.7	58.7	59.8	62.0
178.9	60°	125.9	98.7	68.0	56.7	53.2	54.6	52.3	52.1	52.5	53.2
164.2	62.5°	105.1	84.1	60.6	50.9	48.6	49.2	44.9	41.6	41.6	42.2
143.8	65°	84.5	70.5	52.3	44.3	42.4	42.0	35.9	31.3	30.9	32.8
120.1	67.5°	69.4	58.5	44.1	36.9	35.6	36.1	31.5	27.0	26.6	28.6
97.9	70°	57.5	47.2	35.2	28.4	29.7	31.5	27.0	22.7	22.0	23.9
79.5	72.5°	45.7	36.9	27.0	21.0	24.5	26.8	22.0	17.9	17.5	19.2
61.4	75°	33.6	26.4	18.3	15.2	19.0	21.0	16.1	12.8	12.2	13.6
41.0	77.5°	20.8	14.8	11.5	9.1	13.0	14.0	8.4	7.4	7.2	8.2
24.9	80°	9.7	6.4	5.6	3.1	4.7	5.6	3.5	3.9	4.1	4.9
12.6	82.5°	2.7	1.0	0.2	0.0	0.0	1.6	0.8	1.6	2.1	3.1
1.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
414.2	0°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2
375.4	2.5°	384.1	392.3	405.5	419.1	432.5	446.1	459.3	464.0
332.2	5°	348.4	367.4	393.6	421.6	450.4	479.7	506.5	518.6
287.4	7.5°	308.7	335.9	375.2	419.1	465.1	511.0	553.2	572.8
243.1	10°	266.2	300.6	345.5	404.9	470.8	534.3	592.4	617.7
204.2	12.5°	225.8	261.9	311.5	382.6	466.3	547.7	617.5	647.4
176.8	15°	192.0	224.0	277.5	356.3	451.7	548.5	629.5	662.2
161.5	17.5°	166.7	187.5	242.9	327.0	432.5	540.9	633.6	668.6
153.3	20°	154.1	159.9	198.0	289.5	414.6	533.7	637.7	674.6
146.7	22.5°	146.7	148.1	162.0	241.1	393.1	531.4	644.9	682.8
140.7	25°	140.7	141.1	144.9	191.0	360.4	530.0	656.1	694.2
134.5	27.5°	134.8	134.8	136.8	153.9	315.9	523.8	670.5	707.8
128.4	30°	128.8	128.8	130.2	136.2	263.7	511.6	687.8	725.5
122.2	32.5°	122.6	122.6	123.8	128.2	210.6	496.4	703.7	743.4
115.8	35°	116.4	116.0	117.7	122.2	167.5	477.0	719.5	762.8
109.4	37.5°	109.8	109.6	111.3	116.4	144.6	454.5	731.5	789.2
103.0	40°	102.8	102.8	104.7	110.2	138.1	426.3	750.4	827.1
96.4	42.5°	96.4	96.0	98.1	104.9	133.1	399.3	784.4	882.3
90.5	45°	90.2	89.4	91.3	99.7	124.5	389.8	847.9	963.9
84.7	47.5°	84.5	82.4	84.1	93.5	116.6	425.3	951.7	1077.0
79.5	50°	79.7	75.8	77.3	87.4	110.6	502.1	1086.5	1227.2
74.8	52.5°	74.8	69.6	70.5	79.7	105.3	575.3	1232.6	1425.4
70.1	55°	69.6	63.9	64.3	72.1	97.7	586.2	1375.2	1695.8
64.7	57.5°	63.9	58.5	58.5	65.1	92.1	508.1	1484.8	2031.2
58.1	60°	57.5	54.0	53.0	59.5	97.0	358.5	1497.6	2247.6
49.7	62.5°	50.5	48.6	47.2	54.2	100.8	212.4	1394.7	2195.2
39.1	65°	42.4	42.0	41.0	59.5	84.9	125.5	1197.3	2034.7
33.4	67.5°	35.6	35.0	35.0	62.4	64.5	78.9	935.5	1813.8
28.4	70°	30.7	28.4	28.4	47.2	39.1	54.6	653.2	1575.4
23.5	72.5°	25.8	23.3	21.6	37.7	29.3	40.0	408.2	1349.2
17.9	75°	20.6	18.8	16.7	24.9	21.8	30.3	237.2	1117.8
11.3	77.5°	14.8	14.0	11.7	18.3	15.9	21.8	141.1	862.5
7.0	80°	7.6	7.8	7.4	10.5	10.7	14.8	80.4	590.3
4.5	82.5°	4.5	3.5	3.9	5.2	6.2	8.4	30.3	347.0
3.3	85°	2.9	1.9	1.9	2.5	3.1	3.3	9.3	140.7
1.6	87.5°	1.4	0.6	0.8	1.2	1.0	0.8	0.4	35.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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