

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: P945093

Luminaire Tested: **GALN-SB1A-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945093
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-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2085 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

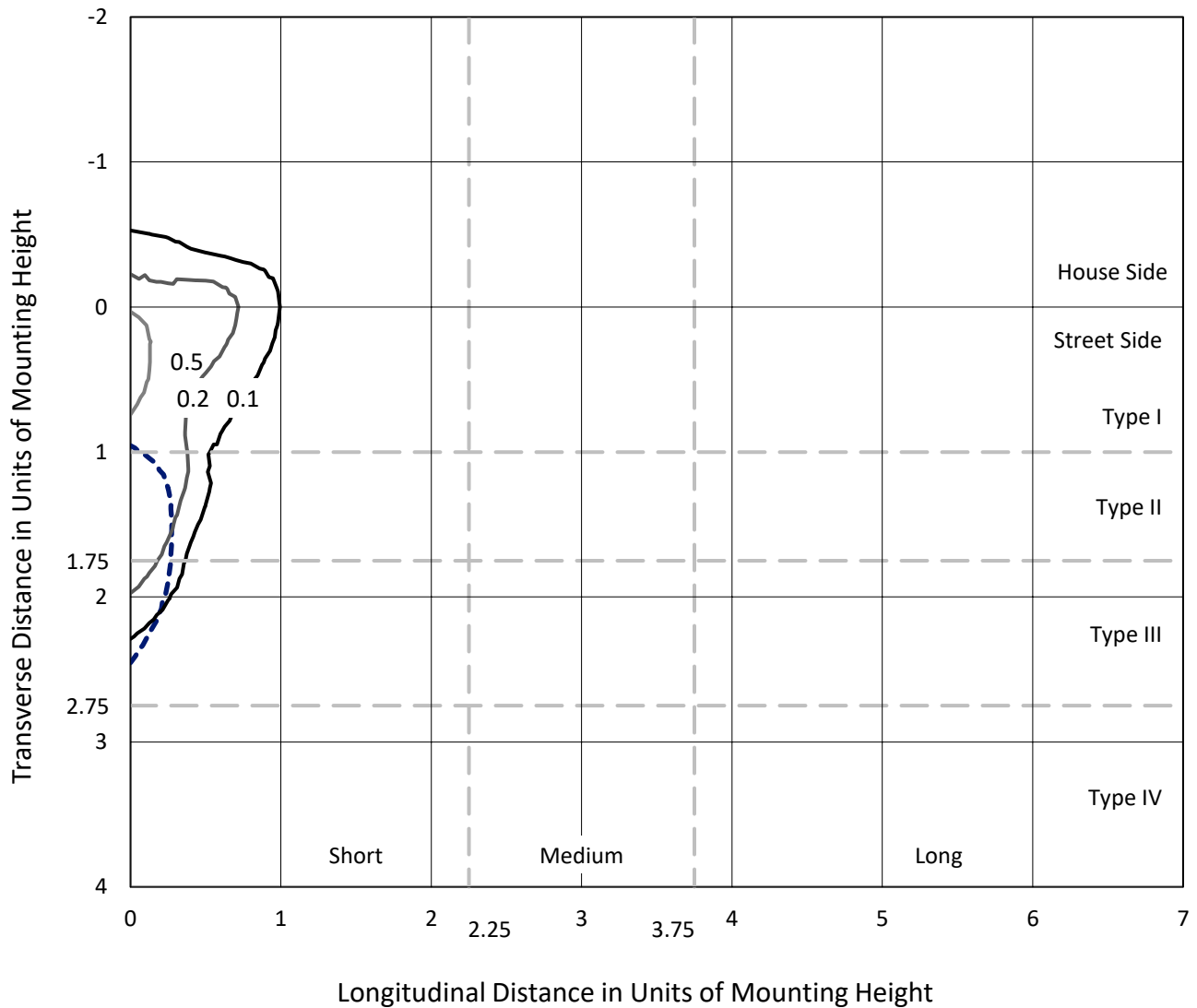
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

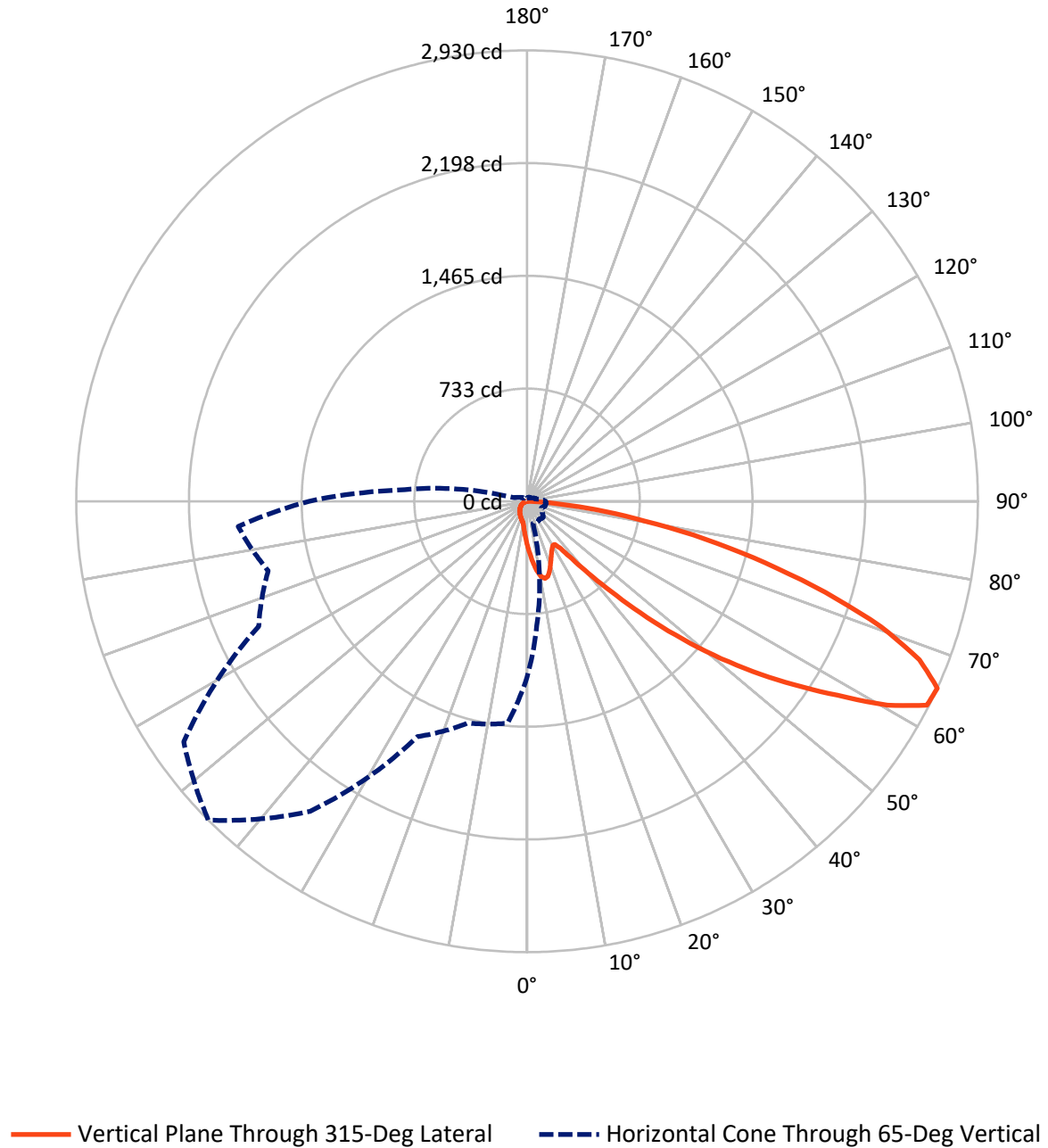
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	292.0	0.0	292.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	1793.0	0.0	1793.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	2085.0	0.0	2085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	1.4
10°-20°	85.2	4.1
20°-30°	125.5	6.0
30°-40°	161.3	7.7
40°-50°	260.8	12.5
50°-60°	457.4	21.9
60°-70°	572.3	27.4
70°-80°	334.4	16.0
80°-90°	59.7	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°	2085.0	100.0
0°-180°	2085.0	100.0

Coefficient of Utilization



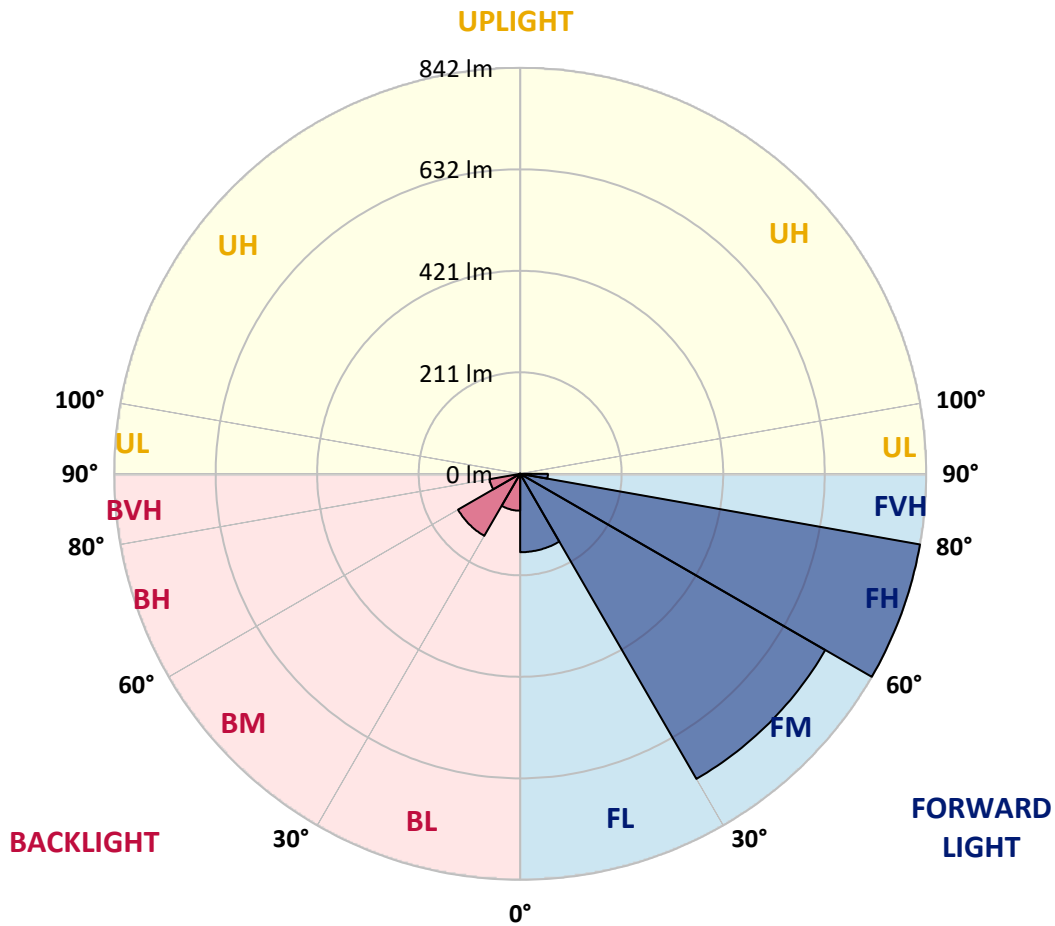
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.6	7.8			
FM (30°-60°)	730.8	35.0			
FH (60°-80°)	842.2	40.4			G1/1800
FVH (80°-90°)	57.4	2.8			G1/100
BL (0°-30°)	76.5	3.7	B0/110		
BM (30°-60°)	148.7	7.1	B0/220		
BH (60°-80°)	64.5	3.1	B0/110		G0/110
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	326.2	320.6	317.3	309.1	300.9	294.3	285.4	279.5	272.5	265.7
5°	363.5	354.5	343.6	328.6	315.0	301.1	287.6	274.2	260.1	247.2
7.5°	395.1	382.1	362.8	343.0	325.6	308.8	293.0	275.3	258.3	238.0
10°	419.3	402.6	377.3	351.3	331.4	314.4	299.0	284.1	266.9	242.5
12.5°	433.9	416.1	386.1	355.6	332.8	313.8	301.9	295.3	288.6	264.3
15°	444.7	425.4	392.3	358.7	329.5	306.2	297.5	304.1	311.8	296.3
17.5°	455.9	435.6	400.3	359.9	320.6	291.4	287.7	304.8	322.7	322.0
20°	466.5	446.4	407.3	359.1	306.2	273.5	276.8	298.6	319.4	328.2
22.5°	478.7	457.5	414.1	355.8	287.6	256.7	267.0	288.8	307.1	317.4
25°	493.7	471.4	423.6	350.9	267.4	242.7	257.1	277.5	292.3	299.5
27.5°	509.8	488.1	436.2	348.3	251.2	232.8	245.9	264.0	277.2	282.2
30°	529.7	507.5	451.2	345.4	240.6	227.1	234.3	248.3	261.3	266.3
32.5°	551.6	529.0	465.5	338.5	234.1	222.8	222.9	231.8	243.6	249.6
35°	578.8	554.9	480.9	323.5	229.0	217.8	211.9	216.2	225.9	233.1
37.5°	617.8	588.8	499.7	301.9	221.3	210.0	200.2	201.2	208.7	216.6
40°	671.5	634.3	521.8	279.5	210.4	199.1	187.4	187.0	192.5	200.2
42.5°	744.2	694.5	548.4	258.1	199.9	185.9	173.9	173.2	177.5	184.3
45°	840.1	771.5	581.0	239.7	191.8	172.9	161.2	160.9	164.5	170.4
47.5°	962.9	878.5	613.6	227.2	187.4	162.7	150.7	151.2	154.4	159.7
50°	1121.9	1017.9	623.5	220.9	187.4	157.3	141.3	144.2	146.8	150.8
52.5°	1312.5	1151.8	590.8	215.2	188.6	158.0	133.4	139.6	141.5	144.9
55°	1489.2	1217.4	507.9	207.3	188.9	162.5	126.7	135.9	139.3	140.6
57.5°	1591.8	1194.9	410.7	193.9	187.7	165.5	122.4	131.3	137.9	138.8
60°	1572.2	1115.8	302.4	183.7	179.3	164.3	121.1	124.2	134.7	136.0
62.5°	1421.7	983.0	209.9	175.8	160.6	159.3	120.7	113.2	127.8	131.0
65°	1142.8	773.9	148.2	151.4	140.8	148.4	118.4	101.7	119.5	123.8
67.5°	829.1	523.7	107.0	122.7	127.5	130.7	113.2	93.4	110.0	115.8
70°	532.0	282.8	75.1	81.0	107.4	111.0	104.3	85.9	100.4	107.0
72.5°	378.2	167.0	54.0	56.7	86.3	92.5	91.8	77.6	89.2	97.2
75°	261.0	92.1	36.5	40.5	62.6	75.1	70.8	66.6	75.6	83.7
77.5°	163.6	41.2	21.8	28.2	41.1	59.0	48.5	51.6	58.9	66.5
80°	91.1	15.9	12.2	18.7	22.4	42.9	26.9	33.2	43.4	48.8
82.5°	19.8	2.0	5.5	8.0	8.8	25.0	14.2	19.2	27.3	26.9
85°	0.0	0.0	1.0	1.1	0.6	10.8	5.2	6.3	8.9	8.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°
288.7	0°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
259.7	2.5°	258.5	251.5	246.3	243.7	241.6	243.6	244.8	244.8	249.6	252.5
239.3	5°	234.3	221.6	212.0	205.5	201.7	203.0	204.4	206.0	212.1	216.3
227.2	7.5°	217.5	198.1	183.4	174.4	169.6	170.4	171.4	172.6	178.7	182.8
229.0	10°	214.3	186.4	165.8	153.8	148.1	147.1	146.5	146.1	149.7	152.8
248.5	12.5°	227.2	187.0	158.1	143.6	136.6	133.6	130.1	127.4	128.0	130.0
278.1	15°	250.4	194.3	155.7	138.3	129.6	124.5	120.5	117.2	116.5	117.2
303.9	17.5°	276.8	204.2	155.4	133.7	122.8	117.6	114.3	111.3	110.3	110.5
318.4	20°	294.3	212.1	154.6	128.6	116.3	111.7	108.9	105.9	104.9	105.1
314.4	22.5°	296.0	216.3	153.3	122.8	109.9	106.0	103.1	100.4	100.3	100.3
299.3	25°	286.7	216.3	150.5	117.6	103.7	100.3	97.7	94.4	94.9	95.2
282.2	27.5°	272.2	211.1	145.4	113.5	98.4	94.8	92.2	89.2	89.9	90.3
266.3	30°	257.8	204.5	139.2	108.7	93.4	89.2	87.3	84.7	85.0	85.6
250.5	32.5°	244.5	197.5	131.9	104.9	88.3	84.2	82.7	79.9	80.3	80.9
235.0	35°	231.3	189.7	123.2	100.3	83.7	79.6	78.4	75.1	75.4	76.3
219.5	37.5°	217.0	181.6	116.2	95.7	79.3	75.0	73.8	70.4	70.7	71.7
203.4	40°	202.1	173.5	109.3	90.8	74.5	70.2	69.2	65.5	65.8	66.9
187.6	42.5°	187.0	164.7	104.0	84.5	69.7	65.1	64.1	60.6	61.0	62.3
173.8	45°	173.1	154.3	100.5	77.4	65.1	59.9	58.9	55.7	56.6	58.0
162.2	47.5°	161.2	143.5	99.1	71.5	60.2	54.6	53.7	51.1	52.6	54.2
152.3	50°	151.0	133.1	97.2	65.5	55.6	50.0	49.1	47.4	49.3	50.8
145.5	52.5°	143.6	121.4	93.2	60.0	51.6	46.1	45.8	45.0	46.7	48.1
140.5	55°	137.3	109.2	86.8	55.3	48.0	42.8	43.1	42.7	44.1	45.2
137.5	57.5°	131.6	98.5	78.6	51.6	44.1	39.9	40.8	40.2	40.9	41.7
134.3	60°	124.7	87.8	68.8	47.4	39.5	37.1	38.1	36.5	36.3	36.6
128.6	62.5°	114.5	73.3	58.6	42.2	35.5	33.9	34.3	31.3	29.0	29.0
120.1	65°	100.3	58.9	49.1	36.5	30.9	29.6	29.3	25.0	21.8	21.5
110.9	67.5°	83.7	48.4	40.8	30.7	25.7	24.8	25.1	22.0	18.8	18.5
101.7	70°	68.2	40.1	32.9	24.6	19.8	20.7	22.0	18.8	15.8	15.4
90.9	72.5°	55.4	31.9	25.7	18.8	14.7	17.1	18.7	15.4	12.5	12.2
77.6	75°	42.8	23.4	18.4	12.8	10.6	13.2	14.7	11.2	8.9	8.5
60.0	77.5°	28.6	14.5	10.3	8.0	6.3	9.0	9.8	5.9	5.2	5.0
43.7	80°	17.4	6.8	4.5	3.9	2.2	3.3	3.9	2.4	2.7	2.9
23.3	82.5°	8.8	1.9	0.7	0.1	0.0	0.0	1.1	0.6	1.1	1.4
6.3	85°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°
288.7	0°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
253.7	2.5°	261.7	267.7	273.5	282.7	292.2	301.5	311.0	320.2	323.5	325.9
219.0	5°	231.5	242.9	256.1	274.3	293.9	314.0	334.4	353.1	361.5	367.3
186.4	7.5°	200.4	215.2	234.1	261.6	292.2	324.2	356.2	385.7	399.3	410.4
155.7	10°	169.5	185.6	209.6	240.9	282.2	328.2	372.4	412.9	430.6	444.5
133.6	12.5°	142.3	157.4	182.6	217.2	266.7	325.0	381.8	430.5	451.3	467.0
117.8	15°	123.2	133.9	156.1	193.5	248.3	314.8	382.4	438.8	461.6	478.0
111.2	17.5°	112.6	116.2	130.7	169.3	227.9	301.5	377.0	441.7	466.1	481.3
105.3	20°	106.9	107.4	111.5	138.0	201.8	289.0	372.0	444.5	470.3	483.0
101.1	22.5°	102.3	102.3	103.3	112.9	168.1	274.1	370.4	449.6	476.0	483.9
96.4	25°	98.1	98.1	98.4	101.0	133.1	251.2	369.4	457.3	483.9	486.1
91.6	27.5°	93.8	93.9	93.9	95.4	107.3	220.2	365.1	467.4	493.4	488.9
87.0	30°	89.5	89.8	89.8	90.8	94.9	183.9	356.6	479.5	505.7	492.7
82.4	32.5°	85.2	85.5	85.5	86.3	89.3	146.8	346.0	490.5	518.2	494.2
78.0	35°	80.7	81.2	80.9	82.0	85.2	116.8	332.5	501.6	531.7	499.3
73.7	37.5°	76.3	76.6	76.4	77.6	81.2	100.8	316.9	509.9	550.1	510.5
69.1	40°	71.8	71.7	71.7	73.0	76.8	96.2	297.2	523.1	576.5	530.2
64.5	42.5°	67.2	67.2	66.9	68.4	73.1	92.8	278.4	546.8	615.0	561.5
60.2	45°	63.1	62.9	62.3	63.6	69.5	86.8	271.8	591.1	671.9	612.2
55.9	47.5°	59.0	58.9	57.5	58.6	65.2	81.3	296.5	663.4	750.8	686.7
52.4	50°	55.4	55.6	52.9	53.9	60.9	77.1	350.0	757.4	855.5	787.1
49.6	52.5°	52.1	52.1	48.5	49.1	55.6	73.4	401.0	859.2	993.7	927.2
46.5	55°	48.8	48.5	44.5	44.8	50.3	68.1	408.6	958.6	1182.1	1137.9
43.2	57.5°	45.1	44.5	40.8	40.8	45.4	64.2	354.2	1035.0	1416.0	1447.6
37.1	60°	40.5	40.1	37.6	36.9	41.5	67.7	249.9	1043.9	1566.8	1859.4
29.4	62.5°	34.6	35.2	33.9	32.9	37.8	70.2	148.1	972.3	1530.3	1990.3
22.8	65°	27.3	29.6	29.3	28.6	41.5	59.2	87.5	834.7	1418.4	1884.6
20.0	67.5°	23.3	24.8	24.4	24.4	43.5	45.0	55.0	652.1	1264.4	1759.2
16.7	70°	19.8	21.4	19.8	19.8	32.9	27.3	38.1	455.3	1098.2	1620.5
13.4	72.5°	16.4	18.0	16.2	15.1	26.3	20.4	27.9	284.5	940.5	1476.0
9.5	75°	12.5	14.4	13.1	11.6	17.4	15.2	21.1	165.3	779.2	1262.8
5.7	77.5°	7.9	10.3	9.8	8.2	12.8	11.1	15.2	98.4	601.3	986.8
3.4	80°	4.9	5.3	5.5	5.2	7.3	7.5	10.3	56.0	411.5	687.7
2.2	82.5°	3.2	3.2	2.4	2.7	3.6	4.3	5.9	21.1	241.9	418.7
1.3	85°	2.3	2.0	1.3	1.3	1.7	2.2	2.3	6.5	98.1	165.3
0.6	87.5°	1.1	1.0	0.4	0.6	0.9	0.7	0.6	0.3	24.7	52.9
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°
288.7	0°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
331.4	2.5°	334.2	338.7	339.0	339.0	335.1	335.0	327.1	326.2
380.2	5°	393.6	396.4	397.1	395.7	388.0	382.2	366.8	363.5
430.0	7.5°	447.9	453.6	453.6	450.2	437.5	425.7	403.5	395.1
471.3	10°	491.2	497.8	496.4	489.4	473.4	457.2	430.2	419.3
496.3	12.5°	512.3	519.1	515.4	507.3	491.8	474.7	446.3	433.9
503.4	15°	511.9	510.0	506.2	505.2	497.7	484.8	458.2	444.7
499.0	17.5°	493.7	477.9	474.9	484.9	494.4	491.2	468.5	455.9
488.4	20°	464.8	437.2	434.5	453.7	480.7	494.5	478.2	466.5
473.0	22.5°	434.4	404.6	398.3	419.6	460.2	495.5	490.4	478.7
456.0	25°	405.5	375.6	369.3	389.1	437.4	493.8	503.6	493.7
439.8	27.5°	381.4	352.5	346.6	366.4	415.4	488.9	516.8	509.8
423.7	30°	362.7	336.0	331.7	350.8	396.4	482.9	533.6	529.7
408.8	32.5°	351.8	332.2	333.8	349.5	386.2	476.3	549.7	551.6
401.5	35°	362.5	363.4	377.2	383.6	395.7	475.3	571.5	578.8
410.2	37.5°	416.1	446.0	474.6	469.3	442.1	486.9	604.1	617.8
448.4	40°	507.3	568.6	615.0	594.8	526.4	522.5	651.1	671.5
516.2	42.5°	618.8	722.8	799.2	744.9	635.2	584.9	718.2	744.2
598.2	45°	736.4	912.8	1033.2	920.3	751.1	672.2	819.7	840.1
675.1	47.5°	860.4	1143.8	1299.5	1114.7	858.5	771.6	958.2	962.9
747.9	50°	996.0	1397.0	1570.9	1309.1	962.2	885.5	1127.4	1121.9
832.8	52.5°	1125.1	1657.4	1836.7	1504.3	1053.3	1026.8	1323.7	1312.5
948.9	55°	1248.3	1917.7	2104.0	1691.9	1139.2	1213.6	1557.0	1489.2
1116.2	57.5°	1391.2	2151.6	2379.5	1880.3	1259.2	1456.0	1817.8	1591.8
1436.6	60°	1602.5	2417.5	2691.0	2138.6	1487.6	1710.8	1911.3	1572.2
1820.4	62.5°	1872.3	2662.0	2917.5	2391.7	1717.0	1758.8	1773.6	1421.7
1742.1	65°	1924.7	2723.9	2930.3	2459.3	1687.4	1491.9	1448.0	1142.8
1556.1	67.5°	1785.7	2612.0	2751.6	2333.3	1492.7	1153.0	1086.6	829.1
1434.0	70°	1629.7	2398.7	2440.2	2119.2	1312.8	848.0	733.8	532.0
1350.5	72.5°	1469.8	2114.2	2028.3	1840.4	1153.8	617.5	529.3	378.2
1231.4	75°	1279.9	1740.0	1597.6	1529.1	955.3	484.6	382.9	261.0
1059.2	77.5°	1025.0	1224.8	1186.7	1185.3	717.9	354.1	255.5	163.6
827.5	80°	723.1	794.9	775.5	892.7	481.6	256.8	153.8	91.1
576.0	82.5°	350.0	439.5	451.2	531.6	234.3	151.1	35.5	19.8
225.2	85°	137.0	212.0	178.8	201.8	65.8	42.1	0.9	0.0
37.1	87.5°	15.4	24.6	22.6	17.8	8.0	1.7	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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