

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: P945807

Luminaire Tested: **GALN-SB1C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945807
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-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA 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: 3480 lumens
Efficiency: N/A
Efficacy: 64.0 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

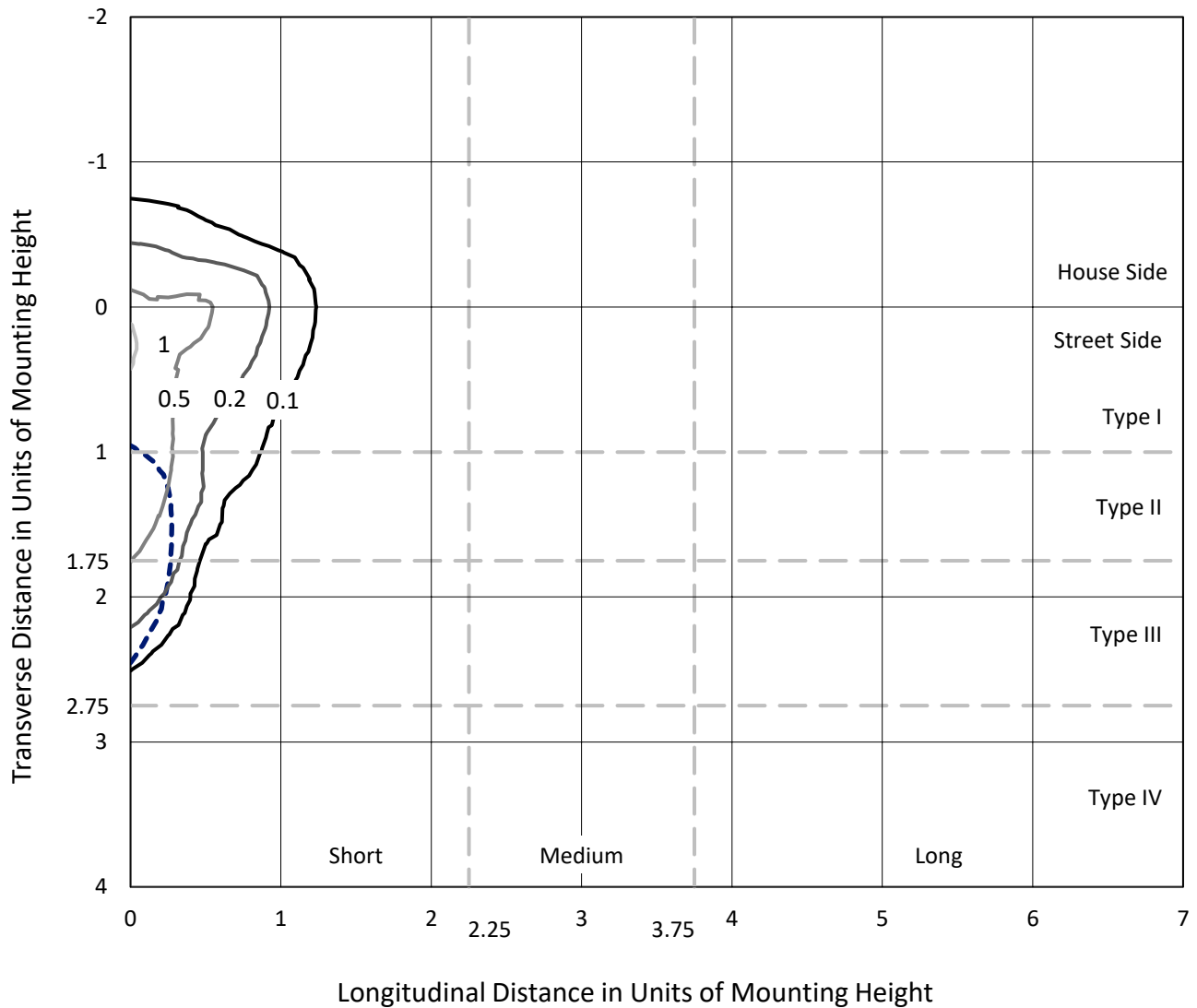
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

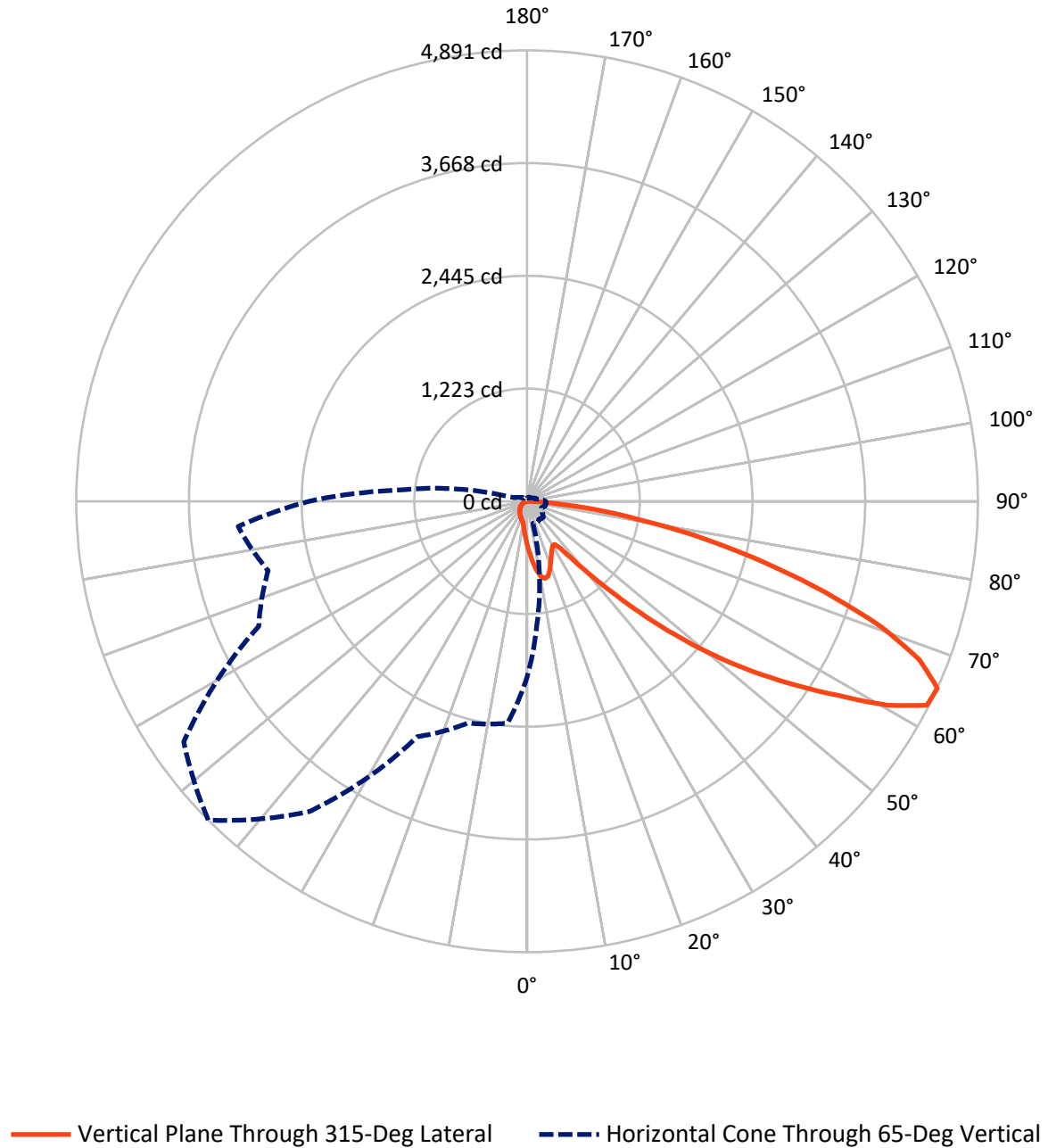
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	487.3	0.0	487.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2992.6	0.0	2992.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	3480.0	0.0	3480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.4
10°-20°	142.2	4.1
20°-30°	209.5	6.0
30°-40°	269.2	7.7
40°-50°	435.3	12.5
50°-60°	763.4	21.9
60°-70°	955.2	27.4
70°-80°	558.2	16.0
80°-90°	99.6	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°	3480.0	100.0
0°-180°	3480.0	100.0

Coefficient of Utilization



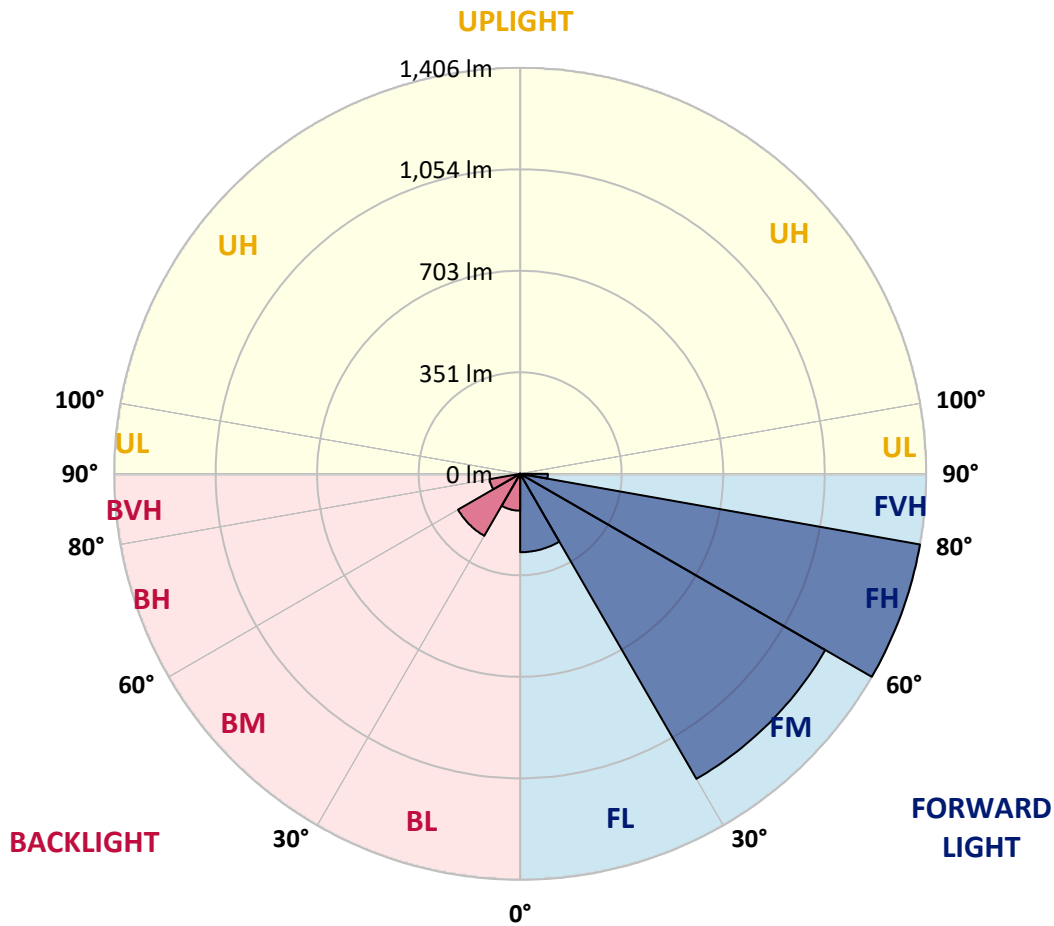
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.4	7.8			
FM (30°-60°)	1219.7	35.0			
FH (60°-80°)	1405.8	40.4			G1/1800
FVH (80°-90°)	95.8	2.8			G1/100
BL (0°-30°)	127.7	3.7	B1/500		
BM (30°-60°)	248.2	7.1	B1/1000		
BH (60°-80°)	107.6	3.1	B0/110		G0/110
BVH (80°-90°)	3.8	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°
0°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9
2.5°	544.4	535.1	529.6	515.9	502.2	491.2	476.4	466.5	454.8	443.5
5°	606.8	591.7	573.4	548.5	525.7	502.5	480.0	457.7	434.2	412.6
7.5°	659.5	637.7	605.6	572.5	543.5	515.4	489.1	459.6	431.0	397.2
10°	699.8	672.0	629.8	586.4	553.1	524.8	499.1	474.2	445.4	404.7
12.5°	724.2	694.5	644.4	593.6	555.5	523.8	503.9	492.9	481.6	441.1
15°	742.2	710.1	654.7	598.6	550.0	511.1	496.5	507.5	520.5	494.6
17.5°	760.9	727.1	668.1	600.8	535.1	486.4	480.2	508.7	538.7	537.5
20°	778.7	745.1	679.9	599.3	511.1	456.5	462.0	498.4	533.2	547.8
22.5°	799.0	763.6	691.2	593.8	480.0	428.4	445.7	482.1	512.6	529.8
25°	824.0	786.8	707.0	585.7	446.4	405.2	429.1	463.2	487.9	499.8
27.5°	850.8	814.6	728.1	581.4	419.3	388.6	410.4	440.6	462.7	471.1
30°	884.1	847.0	753.0	576.6	401.6	379.0	391.0	414.5	436.1	444.5
32.5°	920.6	882.9	777.0	565.1	390.8	371.8	372.1	386.9	406.6	416.7
35°	966.1	926.1	802.6	539.9	382.1	363.4	353.6	360.8	377.1	389.1
37.5°	1031.1	982.7	834.0	503.9	369.4	350.5	334.2	335.9	348.3	361.5
40°	1120.8	1058.7	871.0	466.5	351.2	332.3	312.9	312.1	321.2	334.2
42.5°	1242.1	1159.1	915.3	430.8	333.7	310.2	290.3	289.1	296.3	307.6
45°	1402.2	1287.6	969.7	400.1	320.0	288.6	269.0	268.5	274.5	284.3
47.5°	1607.2	1466.2	1024.2	379.3	312.9	271.6	251.5	252.4	257.7	266.6
50°	1872.6	1699.0	1040.7	368.7	312.9	262.5	235.9	240.7	245.0	251.7
52.5°	2190.7	1922.4	986.0	359.1	314.8	263.7	222.7	233.0	236.1	241.9
55°	2485.6	2032.0	847.7	345.9	315.3	271.1	211.4	226.8	232.5	234.7
57.5°	2656.8	1994.4	685.4	323.6	313.3	276.2	204.3	219.1	230.1	231.6
60°	2624.1	1862.3	504.6	306.6	299.2	274.3	202.1	207.4	224.9	227.0
62.5°	2372.9	1640.8	350.3	293.4	268.0	265.9	201.4	188.9	213.4	218.6
65°	1907.3	1291.7	247.4	252.7	234.9	247.6	197.5	169.7	199.5	206.7
67.5°	1383.8	874.1	178.6	204.7	212.9	218.2	188.9	155.8	183.6	193.2
70°	888.0	472.0	125.4	135.2	179.3	185.3	174.0	143.4	167.6	178.6
72.5°	631.2	278.8	90.1	94.7	144.1	154.4	153.2	129.5	148.9	162.3
75°	435.6	153.7	60.9	67.6	104.5	125.4	118.2	111.2	126.1	139.8
77.5°	273.1	68.8	36.4	47.0	68.6	98.5	81.0	86.1	98.3	111.0
80°	152.0	26.6	20.4	31.2	37.4	71.7	44.8	55.4	72.4	81.5
82.5°	33.1	3.4	9.1	13.4	14.6	41.7	23.7	32.1	45.5	44.8
85°	0.0	0.0	1.7	1.9	1.0	18.0	8.6	10.5	14.9	13.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°
481.9	0°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9
433.4	2.5°	431.5	419.8	411.1	406.8	403.2	406.6	408.5	408.5	416.7	421.5
399.4	5°	391.0	369.9	353.8	343.1	336.6	338.7	341.1	343.8	354.1	361.0
379.3	7.5°	363.0	330.6	306.1	291.0	283.1	284.3	286.0	288.2	298.2	305.2
382.1	10°	357.7	311.2	276.7	256.8	247.2	245.5	244.5	243.8	249.8	255.1
414.7	12.5°	379.3	312.1	263.9	239.7	228.0	223.0	217.2	212.6	213.6	217.0
464.1	15°	417.9	324.4	259.9	230.9	216.2	207.9	201.1	195.6	194.4	195.6
507.3	17.5°	462.0	340.9	259.4	223.2	205.0	196.3	190.8	185.8	184.1	184.4
531.5	20°	491.2	354.1	258.0	214.6	194.2	186.5	181.7	176.7	175.0	175.5
524.8	22.5°	494.1	361.0	255.8	205.0	183.4	176.9	172.1	167.6	167.3	167.3
499.6	25°	478.5	361.0	251.2	196.3	173.1	167.3	163.0	157.5	158.5	158.9
471.1	27.5°	454.3	352.4	242.6	189.4	164.2	158.2	153.9	148.9	150.1	150.8
444.5	30°	430.3	341.4	232.3	181.5	155.8	148.9	145.8	141.4	141.9	142.9
418.1	32.5°	408.0	329.6	220.1	175.0	147.4	140.5	138.1	133.3	134.0	135.0
392.2	35°	386.0	316.7	205.7	167.3	139.8	132.8	130.9	125.4	125.9	127.3
366.3	37.5°	362.2	303.0	193.9	159.7	132.3	125.1	123.2	117.5	117.9	119.6
339.5	40°	337.3	289.6	182.4	151.5	124.4	117.2	115.6	109.3	109.8	111.7
313.1	42.5°	312.1	275.0	173.6	141.0	116.3	108.6	106.9	101.2	101.9	104.0
290.1	45°	288.9	257.5	167.8	129.2	108.6	100.0	98.3	93.0	94.5	96.9
270.7	47.5°	269.0	239.5	165.4	119.4	100.4	91.1	89.7	85.3	87.7	90.4
254.1	50°	252.0	222.2	162.3	109.3	92.8	83.4	82.0	79.1	82.2	84.9
242.9	52.5°	239.7	202.6	155.6	100.2	86.1	77.0	76.5	75.0	77.9	80.3
234.5	55°	229.2	182.2	144.8	92.3	80.1	71.4	71.9	71.2	73.6	75.5
229.4	57.5°	219.6	164.5	131.1	86.1	73.6	66.6	68.1	67.1	68.3	69.5
224.2	60°	208.1	146.5	114.8	79.1	65.9	61.9	63.5	60.9	60.7	61.1
214.6	62.5°	191.1	122.3	97.8	70.5	59.2	56.6	57.3	52.3	48.4	48.4
200.4	65°	167.3	98.3	82.0	60.9	51.5	49.4	48.9	41.7	36.4	36.0
185.1	67.5°	139.8	80.8	68.1	51.3	42.9	41.5	42.0	36.7	31.4	30.9
169.7	70°	113.9	66.9	54.9	41.0	33.1	34.5	36.7	31.4	26.4	25.7
151.8	72.5°	92.5	53.2	42.9	31.4	24.5	28.5	31.2	25.7	20.9	20.4
129.5	75°	71.4	39.1	30.7	21.3	17.7	22.1	24.5	18.7	14.9	14.1
100.2	77.5°	47.7	24.2	17.3	13.4	10.5	15.1	16.3	9.8	8.6	8.4
72.9	80°	29.0	11.3	7.4	6.5	3.6	5.5	6.5	4.1	4.6	4.8
38.8	82.5°	14.6	3.1	1.2	0.2	0.0	0.0	1.9	1.0	1.9	2.4
10.5	85°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2
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°
481.9	0°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9
423.4	2.5°	436.8	446.9	456.5	471.8	487.6	503.2	519.0	534.4	539.9	544.0
365.6	5°	386.5	405.4	427.4	457.9	490.5	524.1	558.1	589.3	603.4	613.0
311.2	7.5°	334.4	359.1	390.8	436.6	487.6	541.1	594.5	643.7	666.5	684.9
259.9	10°	282.9	309.7	349.8	402.0	471.1	547.8	621.6	689.2	718.7	742.0
223.0	12.5°	237.6	262.8	304.7	362.5	445.2	542.5	637.2	718.5	753.2	779.4
196.6	15°	205.7	223.4	260.6	322.9	414.5	525.5	638.2	732.4	770.5	797.8
185.6	17.5°	188.0	193.9	218.2	282.6	380.5	503.2	629.3	737.2	777.9	803.4
175.7	20°	178.4	179.3	186.0	230.4	336.8	482.3	620.9	742.0	784.9	806.2
168.8	22.5°	170.7	170.7	172.4	188.4	280.5	457.4	618.3	750.4	794.5	807.7
160.9	25°	163.7	163.7	164.2	168.5	222.2	419.3	616.6	763.3	807.7	811.3
153.0	27.5°	156.5	156.8	156.8	159.2	179.1	367.5	609.4	780.1	823.5	816.1
145.3	30°	149.4	149.8	149.8	151.5	158.5	306.9	595.3	800.2	844.1	822.3
137.6	32.5°	142.2	142.6	142.6	144.1	149.1	245.0	577.5	818.7	865.0	824.9
130.2	35°	134.7	135.5	135.0	136.9	142.2	194.9	555.0	837.2	887.5	833.3
123.0	37.5°	127.3	127.8	127.5	129.5	135.5	168.3	528.9	851.1	918.2	852.0
115.3	40°	119.9	119.6	119.6	121.8	128.3	160.6	496.0	873.1	962.3	884.9
107.6	42.5°	112.2	112.2	111.7	114.1	122.0	154.9	464.6	912.7	1026.5	937.1
100.4	45°	105.2	105.0	104.0	106.2	116.0	144.8	453.6	986.5	1121.5	1021.8
93.3	47.5°	98.5	98.3	95.9	97.8	108.8	135.7	494.8	1107.3	1253.1	1146.2
87.5	50°	92.5	92.8	88.2	89.9	101.6	128.7	584.2	1264.1	1427.9	1313.8
82.7	52.5°	87.0	87.0	81.0	82.0	92.8	122.5	669.3	1434.1	1658.5	1547.5
77.7	55°	81.5	81.0	74.3	74.8	83.9	113.6	682.0	1600.0	1973.0	1899.2
72.2	57.5°	75.3	74.3	68.1	68.1	75.8	107.2	591.2	1727.5	2363.3	2416.1
61.9	60°	67.6	66.9	62.8	61.6	69.3	112.9	417.1	1742.4	2615.0	3103.4
49.1	62.5°	57.8	58.7	56.6	54.9	63.1	117.2	247.2	1622.8	2554.1	3322.0
38.1	65°	45.5	49.4	48.9	47.7	69.3	98.8	146.0	1393.1	2367.4	3145.6
33.3	67.5°	38.8	41.5	40.8	40.8	72.6	75.0	91.8	1088.4	2110.4	2936.3
27.8	70°	33.1	35.7	33.1	33.1	54.9	45.5	63.5	760.0	1833.0	2704.7
22.3	72.5°	27.3	30.0	27.1	25.2	43.9	34.0	46.5	474.9	1569.8	2463.5
15.8	75°	20.9	24.0	21.8	19.4	29.0	25.4	35.2	275.9	1300.6	2107.8
9.6	77.5°	13.2	17.3	16.3	13.7	21.3	18.5	25.4	164.2	1003.5	1647.0
5.8	80°	8.2	8.9	9.1	8.6	12.2	12.5	17.3	93.5	686.8	1147.9
3.6	82.5°	5.3	5.3	4.1	4.6	6.0	7.2	9.8	35.2	403.7	698.8
2.2	85°	3.8	3.4	2.2	2.2	2.9	3.6	3.8	10.8	163.7	275.9
1.0	87.5°	1.9	1.7	0.7	1.0	1.4	1.2	1.0	0.5	41.2	88.2
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°
481.9	0°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9
553.1	2.5°	557.9	565.3	565.8	565.8	559.3	559.1	545.9	544.4
634.6	5°	656.9	661.7	662.9	660.5	647.5	637.9	612.3	606.8
717.8	7.5°	747.5	757.1	757.1	751.3	730.2	710.6	673.4	659.5
786.6	10°	819.9	830.9	828.5	816.8	790.2	763.1	718.0	699.8
828.3	12.5°	855.1	866.4	860.2	846.7	820.9	792.3	744.9	724.2
840.3	15°	854.4	851.3	844.8	843.2	830.7	809.1	764.8	742.2
832.8	17.5°	824.0	797.6	792.6	809.3	825.2	819.9	782.0	760.9
815.1	20°	775.8	729.8	725.2	757.3	802.4	825.4	798.1	778.7
789.4	22.5°	725.0	675.3	664.8	700.3	768.1	827.1	818.5	799.0
761.2	25°	676.8	626.9	616.4	649.4	730.0	824.2	840.5	824.0
734.1	27.5°	636.5	588.3	578.5	611.6	693.3	816.1	862.6	850.8
707.2	30°	605.3	560.7	553.5	585.4	661.7	806.0	890.6	884.1
682.3	32.5°	587.1	554.5	557.1	583.3	644.6	795.0	917.5	920.6
670.1	35°	605.1	606.5	629.5	640.3	660.5	793.3	953.9	966.1
684.7	37.5°	694.5	744.4	792.1	783.2	737.9	812.7	1008.3	1031.1
748.5	40°	846.7	949.1	1026.5	992.7	878.6	872.2	1086.7	1120.8
861.6	42.5°	1032.8	1206.3	1333.9	1243.3	1060.1	976.2	1198.7	1242.1
998.5	45°	1229.1	1523.5	1724.4	1536.0	1253.6	1122.0	1368.2	1402.2
1126.8	47.5°	1436.0	1909.0	2168.9	1860.6	1432.9	1287.9	1599.3	1607.2
1248.3	50°	1662.3	2331.7	2622.0	2185.0	1606.0	1478.0	1881.7	1872.6
1390.0	52.5°	1877.8	2766.3	3065.5	2510.8	1758.0	1713.9	2209.4	2190.7
1583.7	55°	2083.5	3200.7	3511.6	2823.8	1901.3	2025.5	2598.7	2485.6
1863.0	57.5°	2322.1	3591.2	3971.5	3138.4	2101.8	2430.2	3034.1	2656.8
2397.8	60°	2674.7	4035.0	4491.4	3569.4	2482.9	2855.5	3190.2	2624.1
3038.4	62.5°	3125.0	4443.0	4869.5	3991.8	2865.8	2935.6	2960.3	2372.9
2907.8	65°	3212.5	4546.3	4890.8	4104.8	2816.4	2490.1	2416.8	1907.3
2597.3	67.5°	2980.4	4359.6	4592.6	3894.5	2491.3	1924.4	1813.6	1383.8
2393.5	70°	2720.0	4003.6	4072.9	3537.1	2191.2	1415.4	1224.8	888.0
2254.0	72.5°	2453.2	3528.7	3385.3	3071.7	1925.8	1030.6	883.4	631.2
2055.3	75°	2136.3	2904.2	2666.6	2552.2	1594.5	808.9	639.1	435.6
1767.8	77.5°	1710.8	2044.2	1980.7	1978.3	1198.2	590.9	426.5	273.1
1381.1	80°	1206.8	1326.7	1294.3	1490.0	803.8	428.6	256.8	152.0
961.3	82.5°	584.2	733.6	753.0	887.3	391.0	252.2	59.2	33.1
375.9	85°	228.7	353.8	298.5	336.8	109.8	70.2	1.4	0.0
61.9	87.5°	25.7	41.0	37.6	29.7	13.4	2.9	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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