

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: P945805

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945805
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-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 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: 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

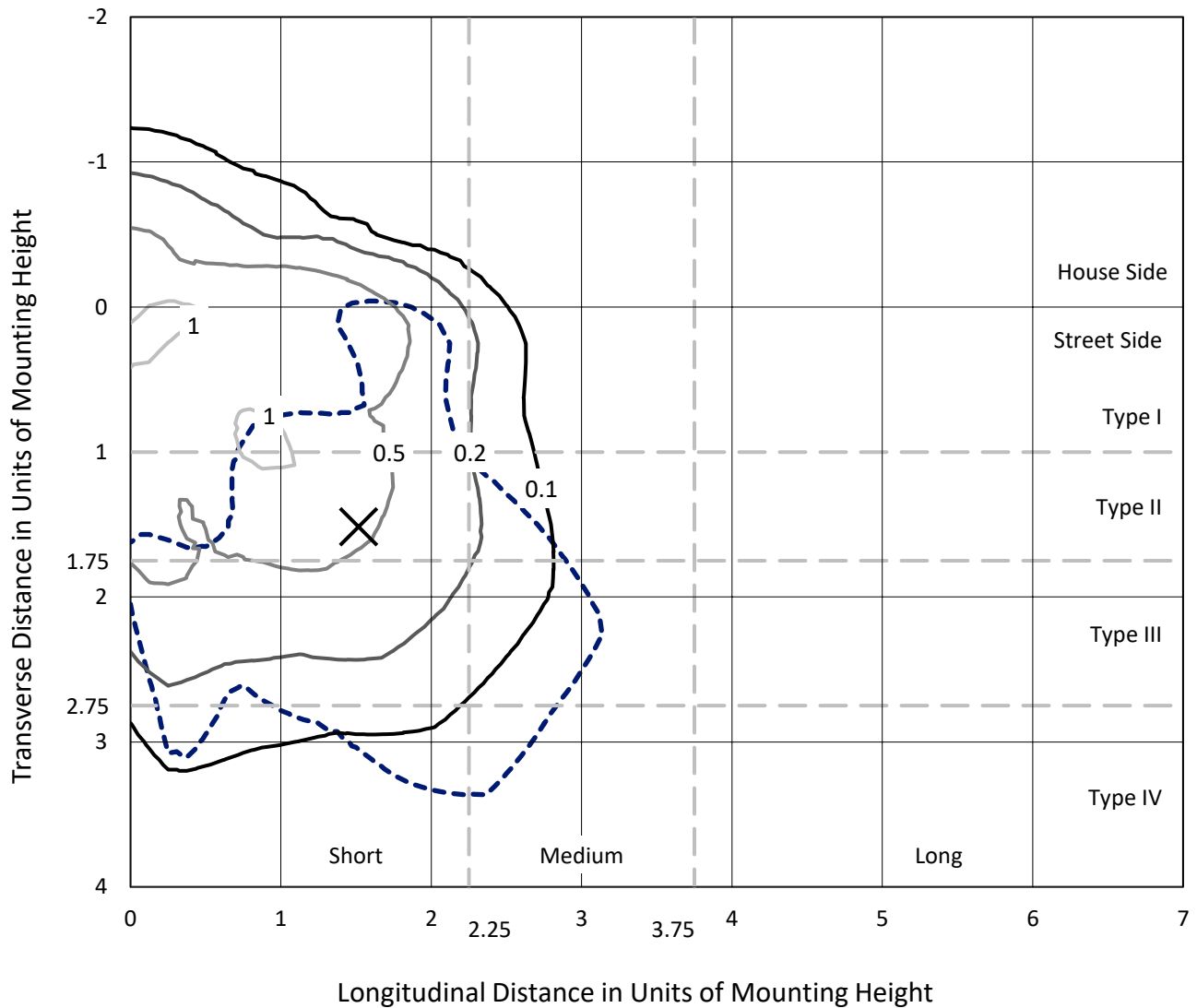
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

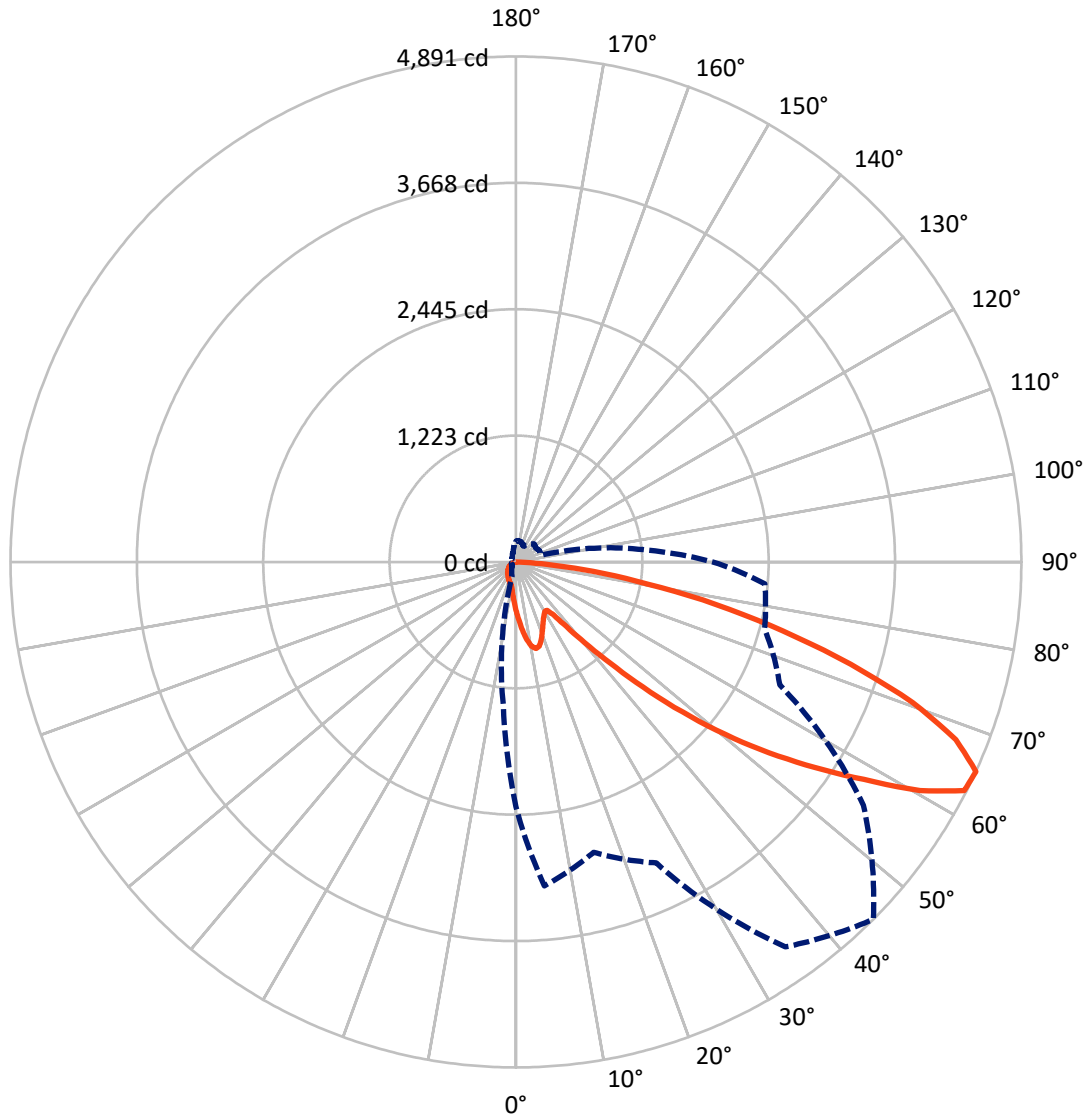
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	691.7	0.0	691.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2788.3	0.0	2788.3
	% Fixture	80.1	0.0	80.1
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



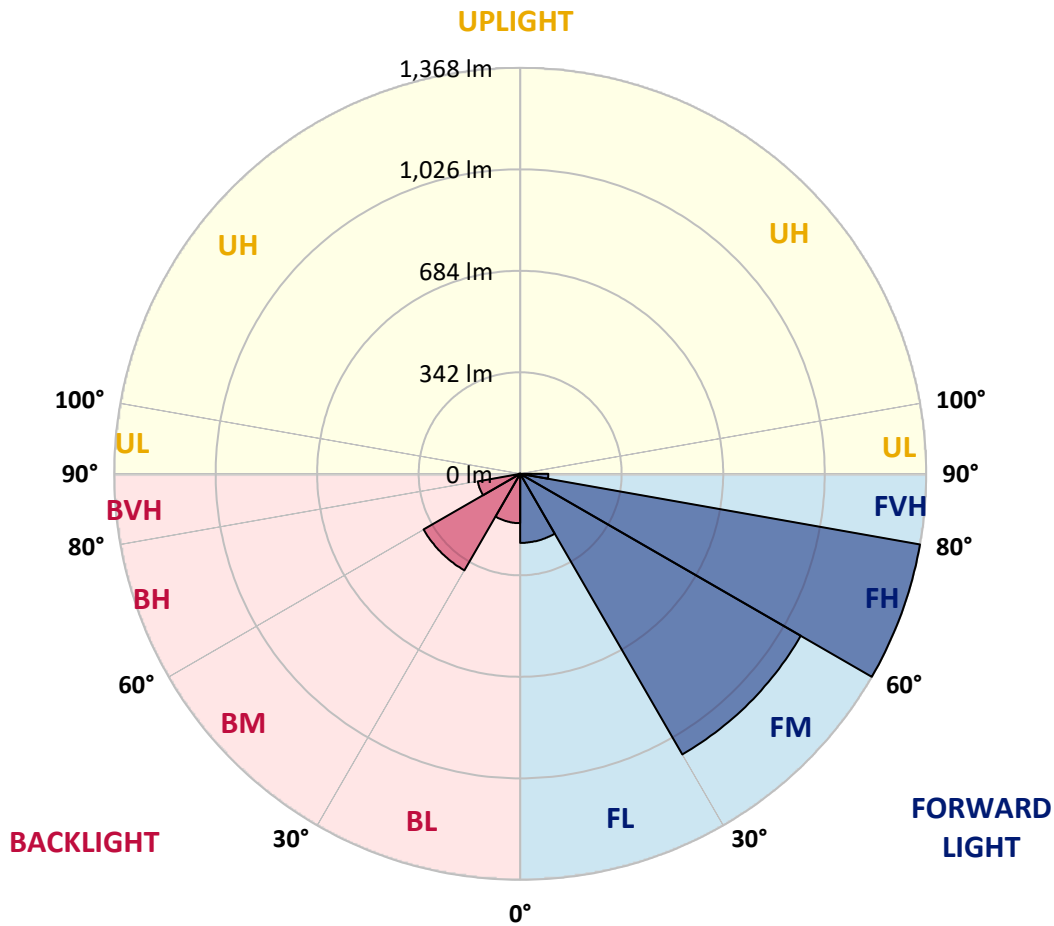
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.9	6.7			
FM (30°-60°)	1092.1	31.4			
FH (60°-80°)	1368.4	39.3			G1/1800
FVH (80°-90°)	94.9	2.7			G1/100
BL (0°-30°)	166.3	4.8	B1/500		
BM (30°-60°)	375.8	10.8	B1/1000		
BH (60°-80°)	144.9	4.2	B1/500		G1/500
BVH (80°-90°)	4.7	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°	539.9	544.0	553.1	557.9	565.3	565.8	565.8	559.3	559.1	545.9
5°	603.4	613.0	634.6	656.9	661.7	662.9	660.5	647.5	637.9	612.3
7.5°	666.5	684.9	717.8	747.5	757.1	757.1	751.3	730.2	710.6	673.4
10°	718.7	742.0	786.6	819.9	830.9	828.5	816.8	790.2	763.1	718.0
12.5°	753.2	779.4	828.3	855.1	866.4	860.2	846.7	820.9	792.3	744.9
15°	770.5	797.8	840.3	854.4	851.3	844.8	843.2	830.7	809.1	764.8
17.5°	777.9	803.4	832.8	824.0	797.6	792.6	809.3	825.2	819.9	782.0
20°	784.9	806.2	815.1	775.8	729.8	725.2	757.3	802.4	825.4	798.1
22.5°	794.5	807.7	789.4	725.0	675.3	664.8	700.3	768.1	827.1	818.5
25°	807.7	811.3	761.2	676.8	626.9	616.4	649.4	730.0	824.2	840.5
27.5°	823.5	816.1	734.1	636.5	588.3	578.5	611.6	693.3	816.1	862.6
30°	844.1	822.3	707.2	605.3	560.7	553.5	585.4	661.7	806.0	890.6
32.5°	865.0	824.9	682.3	587.1	554.5	557.1	583.3	644.6	795.0	917.5
35°	887.5	833.3	670.1	605.1	606.5	629.5	640.3	660.5	793.3	953.9
37.5°	918.2	852.0	684.7	694.5	744.4	792.1	783.2	737.9	812.7	1008.3
40°	962.3	884.9	748.5	846.7	949.1	1026.5	992.7	878.6	872.2	1086.7
42.5°	1026.5	937.1	861.6	1032.8	1206.3	1333.9	1243.3	1060.1	976.2	1198.7
45°	1121.5	1021.8	998.5	1229.1	1523.5	1724.4	1536.0	1253.6	1122.0	1368.2
47.5°	1253.1	1146.2	1126.8	1436.0	1909.0	2168.9	1860.6	1432.9	1287.9	1599.3
50°	1427.9	1313.8	1248.3	1662.3	2331.7	2622.0	2185.0	1606.0	1478.0	1881.7
52.5°	1658.5	1547.5	1390.0	1877.8	2766.3	3065.5	2510.8	1758.0	1713.9	2209.4
55°	1973.0	1899.2	1583.7	2083.5	3200.7	3511.6	2823.8	1901.3	2025.5	2598.7
57.5°	2363.3	2416.1	1863.0	2322.1	3591.2	3971.5	3138.4	2101.8	2430.2	3034.1
60°	2615.0	3103.4	2397.8	2674.7	4035.0	4491.4	3569.4	2482.9	2855.5	3190.2
62.5°	2554.1	3322.0	3038.4	3125.0	4443.0	4869.5	3991.8	2865.8	2935.6	2960.3
65°	2367.4	3145.6	2907.8	3212.5	4546.3	4890.8	4104.8	2816.4	2490.1	2416.8
67.5°	2110.4	2936.3	2597.3	2980.4	4359.6	4592.6	3894.5	2491.3	1924.4	1813.6
70°	1833.0	2704.7	2393.5	2720.0	4003.6	4072.9	3537.1	2191.2	1415.4	1224.8
72.5°	1569.8	2463.5	2254.0	2453.2	3528.7	3385.3	3071.7	1925.8	1030.6	883.4
75°	1300.6	2107.8	2055.3	2136.3	2904.2	2666.6	2552.2	1594.5	808.9	639.1
77.5°	1003.5	1647.0	1767.8	1710.8	2044.2	1980.7	1978.3	1198.2	590.9	426.5
80°	686.8	1147.9	1381.1	1206.8	1326.7	1294.3	1490.0	803.8	428.6	256.8
82.5°	403.7	698.8	961.3	584.2	733.6	753.0	887.3	391.0	252.2	59.2
85°	163.7	275.9	375.9	228.7	353.8	298.5	336.8	109.8	70.2	1.4
87.5°	41.2	88.2	61.9	25.7	41.0	37.6	29.7	13.4	2.9	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):

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
544.4	2.5°	535.1	529.6	515.9	502.2	491.2	476.4	466.5	454.8	443.5	433.4
606.8	5°	591.7	573.4	548.5	525.7	502.5	480.0	457.7	434.2	412.6	399.4
659.5	7.5°	637.7	605.6	572.5	543.5	515.4	489.1	459.6	431.0	397.2	379.3
699.8	10°	672.0	629.8	586.4	553.1	524.8	499.1	474.2	445.4	404.7	382.1
724.2	12.5°	694.5	644.4	593.6	555.5	523.8	503.9	492.9	481.6	441.1	414.7
742.2	15°	710.1	654.7	598.6	550.0	511.1	496.5	507.5	520.5	494.6	464.1
760.9	17.5°	727.1	668.1	600.8	535.1	486.4	480.2	508.7	538.7	537.5	507.3
778.7	20°	745.1	679.9	599.3	511.1	456.5	462.0	498.4	533.2	547.8	531.5
799.0	22.5°	763.6	691.2	593.8	480.0	428.4	445.7	482.1	512.6	529.8	524.8
824.0	25°	786.8	707.0	585.7	446.4	405.2	429.1	463.2	487.9	499.8	499.6
850.8	27.5°	814.6	728.1	581.4	419.3	388.6	410.4	440.6	462.7	471.1	471.1
884.1	30°	847.0	753.0	576.6	401.6	379.0	391.0	414.5	436.1	444.5	444.5
920.6	32.5°	882.9	777.0	565.1	390.8	371.8	372.1	386.9	406.6	416.7	418.1
966.1	35°	926.1	802.6	539.9	382.1	363.4	353.6	360.8	377.1	389.1	392.2
1031.1	37.5°	982.7	834.0	503.9	369.4	350.5	334.2	335.9	348.3	361.5	366.3
1120.8	40°	1058.7	871.0	466.5	351.2	332.3	312.9	312.1	321.2	334.2	339.5
1242.1	42.5°	1159.1	915.3	430.8	333.7	310.2	290.3	289.1	296.3	307.6	313.1
1402.2	45°	1287.6	969.7	400.1	320.0	288.6	269.0	268.5	274.5	284.3	290.1
1607.2	47.5°	1466.2	1024.2	379.3	312.9	271.6	251.5	252.4	257.7	266.6	270.7
1872.6	50°	1699.0	1040.7	368.7	312.9	262.5	235.9	240.7	245.0	251.7	254.1
2190.7	52.5°	1922.4	986.0	359.1	314.8	263.7	222.7	233.0	236.1	241.9	242.9
2485.6	55°	2032.0	847.7	345.9	315.3	271.1	211.4	226.8	232.5	234.7	234.5
2656.8	57.5°	1994.4	685.4	323.6	313.3	276.2	204.3	219.1	230.1	231.6	229.4
2624.1	60°	1862.3	504.6	306.6	299.2	274.3	202.1	207.4	224.9	227.0	224.2
2372.9	62.5°	1640.8	350.3	293.4	268.0	265.9	201.4	188.9	213.4	218.6	214.6
1907.3	65°	1291.7	247.4	252.7	234.9	247.6	197.5	169.7	199.5	206.7	200.4
1383.8	67.5°	874.1	178.6	204.7	212.9	218.2	188.9	155.8	183.6	193.2	185.1
888.0	70°	472.0	125.4	135.2	179.3	185.3	174.0	143.4	167.6	178.6	169.7
631.2	72.5°	278.8	90.1	94.7	144.1	154.4	153.2	129.5	148.9	162.3	151.8
435.6	75°	153.7	60.9	67.6	104.5	125.4	118.2	111.2	126.1	139.8	129.5
273.1	77.5°	68.8	36.4	47.0	68.6	98.5	81.0	86.1	98.3	111.0	100.2
152.0	80°	26.6	20.4	31.2	37.4	71.7	44.8	55.4	72.4	81.5	72.9
33.1	82.5°	3.4	9.1	13.4	14.6	41.7	23.7	32.1	45.5	44.8	38.8
0.0	85°	0.0	1.7	1.9	1.0	18.0	8.6	10.5	14.9	13.9	10.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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
431.5	2.5°	419.8	411.1	406.8	403.2	406.6	408.5	408.5	416.7	421.5	423.4
391.0	5°	369.9	353.8	343.1	336.6	338.7	341.1	343.8	354.1	361.0	365.6
363.0	7.5°	330.6	306.1	291.0	283.1	284.3	286.0	288.2	298.2	305.2	311.2
357.7	10°	311.2	276.7	256.8	247.2	245.5	244.5	243.8	249.8	255.1	259.9
379.3	12.5°	312.1	263.9	239.7	228.0	223.0	217.2	212.6	213.6	217.0	223.0
417.9	15°	324.4	259.9	230.9	216.2	207.9	201.1	195.6	194.4	195.6	196.6
462.0	17.5°	340.9	259.4	223.2	205.0	196.3	190.8	185.8	184.1	184.4	185.6
491.2	20°	354.1	258.0	214.6	194.2	186.5	181.7	176.7	175.0	175.5	175.7
494.1	22.5°	361.0	255.8	205.0	183.4	176.9	172.1	167.6	167.3	167.3	168.8
478.5	25°	361.0	251.2	196.3	173.1	167.3	163.0	157.5	158.5	158.9	160.9
454.3	27.5°	352.4	242.6	189.4	164.2	158.2	153.9	148.9	150.1	150.8	153.0
430.3	30°	341.4	232.3	181.5	155.8	148.9	145.8	141.4	141.9	142.9	145.3
408.0	32.5°	329.6	220.1	175.0	147.4	140.5	138.1	133.3	134.0	135.0	137.6
386.0	35°	316.7	205.7	167.3	139.8	132.8	130.9	125.4	125.9	127.3	130.2
362.2	37.5°	303.0	193.9	159.7	132.3	125.1	123.2	117.5	117.9	119.6	123.0
337.3	40°	289.6	182.4	151.5	124.4	117.2	115.6	109.3	109.8	111.7	115.3
312.1	42.5°	275.0	173.6	141.0	116.3	108.6	106.9	101.2	101.9	104.0	107.6
288.9	45°	257.5	167.8	129.2	108.6	100.0	98.3	93.0	94.5	96.9	100.4
269.0	47.5°	239.5	165.4	119.4	100.4	91.1	89.7	85.3	87.7	90.4	93.3
252.0	50°	222.2	162.3	109.3	92.8	83.4	82.0	79.1	82.2	84.9	87.5
239.7	52.5°	202.6	155.6	100.2	86.1	77.0	76.5	75.0	77.9	80.3	82.7
229.2	55°	182.2	144.8	92.3	80.1	71.4	71.9	71.2	73.6	75.5	77.7
219.6	57.5°	164.5	131.1	86.1	73.6	66.6	68.1	67.1	68.3	69.5	72.2
208.1	60°	146.5	114.8	79.1	65.9	61.9	63.5	60.9	60.7	61.1	61.9
191.1	62.5°	122.3	97.8	70.5	59.2	56.6	57.3	52.3	48.4	48.4	49.1
167.3	65°	98.3	82.0	60.9	51.5	49.4	48.9	41.7	36.4	36.0	38.1
139.8	67.5°	80.8	68.1	51.3	42.9	41.5	42.0	36.7	31.4	30.9	33.3
113.9	70°	66.9	54.9	41.0	33.1	34.5	36.7	31.4	26.4	25.7	27.8
92.5	72.5°	53.2	42.9	31.4	24.5	28.5	31.2	25.7	20.9	20.4	22.3
71.4	75°	39.1	30.7	21.3	17.7	22.1	24.5	18.7	14.9	14.1	15.8
47.7	77.5°	24.2	17.3	13.4	10.5	15.1	16.3	9.8	8.6	8.4	9.6
29.0	80°	11.3	7.4	6.5	3.6	5.5	6.5	4.1	4.6	4.8	5.8
14.6	82.5°	3.1	1.2	0.2	0.0	0.0	1.9	1.0	1.9	2.4	3.6
1.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	2.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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):

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
436.8	2.5°	446.9	456.5	471.8	487.6	503.2	519.0	534.4	539.9
386.5	5°	405.4	427.4	457.9	490.5	524.1	558.1	589.3	603.4
334.4	7.5°	359.1	390.8	436.6	487.6	541.1	594.5	643.7	666.5
282.9	10°	309.7	349.8	402.0	471.1	547.8	621.6	689.2	718.7
237.6	12.5°	262.8	304.7	362.5	445.2	542.5	637.2	718.5	753.2
205.7	15°	223.4	260.6	322.9	414.5	525.5	638.2	732.4	770.5
188.0	17.5°	193.9	218.2	282.6	380.5	503.2	629.3	737.2	777.9
178.4	20°	179.3	186.0	230.4	336.8	482.3	620.9	742.0	784.9
170.7	22.5°	170.7	172.4	188.4	280.5	457.4	618.3	750.4	794.5
163.7	25°	163.7	164.2	168.5	222.2	419.3	616.6	763.3	807.7
156.5	27.5°	156.8	156.8	159.2	179.1	367.5	609.4	780.1	823.5
149.4	30°	149.8	149.8	151.5	158.5	306.9	595.3	800.2	844.1
142.2	32.5°	142.6	142.6	144.1	149.1	245.0	577.5	818.7	865.0
134.7	35°	135.5	135.0	136.9	142.2	194.9	555.0	837.2	887.5
127.3	37.5°	127.8	127.5	129.5	135.5	168.3	528.9	851.1	918.2
119.9	40°	119.6	119.6	121.8	128.3	160.6	496.0	873.1	962.3
112.2	42.5°	112.2	111.7	114.1	122.0	154.9	464.6	912.7	1026.5
105.2	45°	105.0	104.0	106.2	116.0	144.8	453.6	986.5	1121.5
98.5	47.5°	98.3	95.9	97.8	108.8	135.7	494.8	1107.3	1253.1
92.5	50°	92.8	88.2	89.9	101.6	128.7	584.2	1264.1	1427.9
87.0	52.5°	87.0	81.0	82.0	92.8	122.5	669.3	1434.1	1658.5
81.5	55°	81.0	74.3	74.8	83.9	113.6	682.0	1600.0	1973.0
75.3	57.5°	74.3	68.1	68.1	75.8	107.2	591.2	1727.5	2363.3
67.6	60°	66.9	62.8	61.6	69.3	112.9	417.1	1742.4	2615.0
57.8	62.5°	58.7	56.6	54.9	63.1	117.2	247.2	1622.8	2554.1
45.5	65°	49.4	48.9	47.7	69.3	98.8	146.0	1393.1	2367.4
38.8	67.5°	41.5	40.8	40.8	72.6	75.0	91.8	1088.4	2110.4
33.1	70°	35.7	33.1	33.1	54.9	45.5	63.5	760.0	1833.0
27.3	72.5°	30.0	27.1	25.2	43.9	34.0	46.5	474.9	1569.8
20.9	75°	24.0	21.8	19.4	29.0	25.4	35.2	275.9	1300.6
13.2	77.5°	17.3	16.3	13.7	21.3	18.5	25.4	164.2	1003.5
8.2	80°	8.9	9.1	8.6	12.2	12.5	17.3	93.5	686.8
5.3	82.5°	5.3	4.1	4.6	6.0	7.2	9.8	35.2	403.7
3.8	85°	3.4	2.2	2.2	2.9	3.6	3.8	10.8	163.7
1.9	87.5°	1.7	0.7	1.0	1.4	1.2	1.0	0.5	41.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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