

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: P945052

Luminaire Tested: **GALN-SB1A-840-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-840-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4277 lumens
Efficiency: N/A
Efficacy: 138.4 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

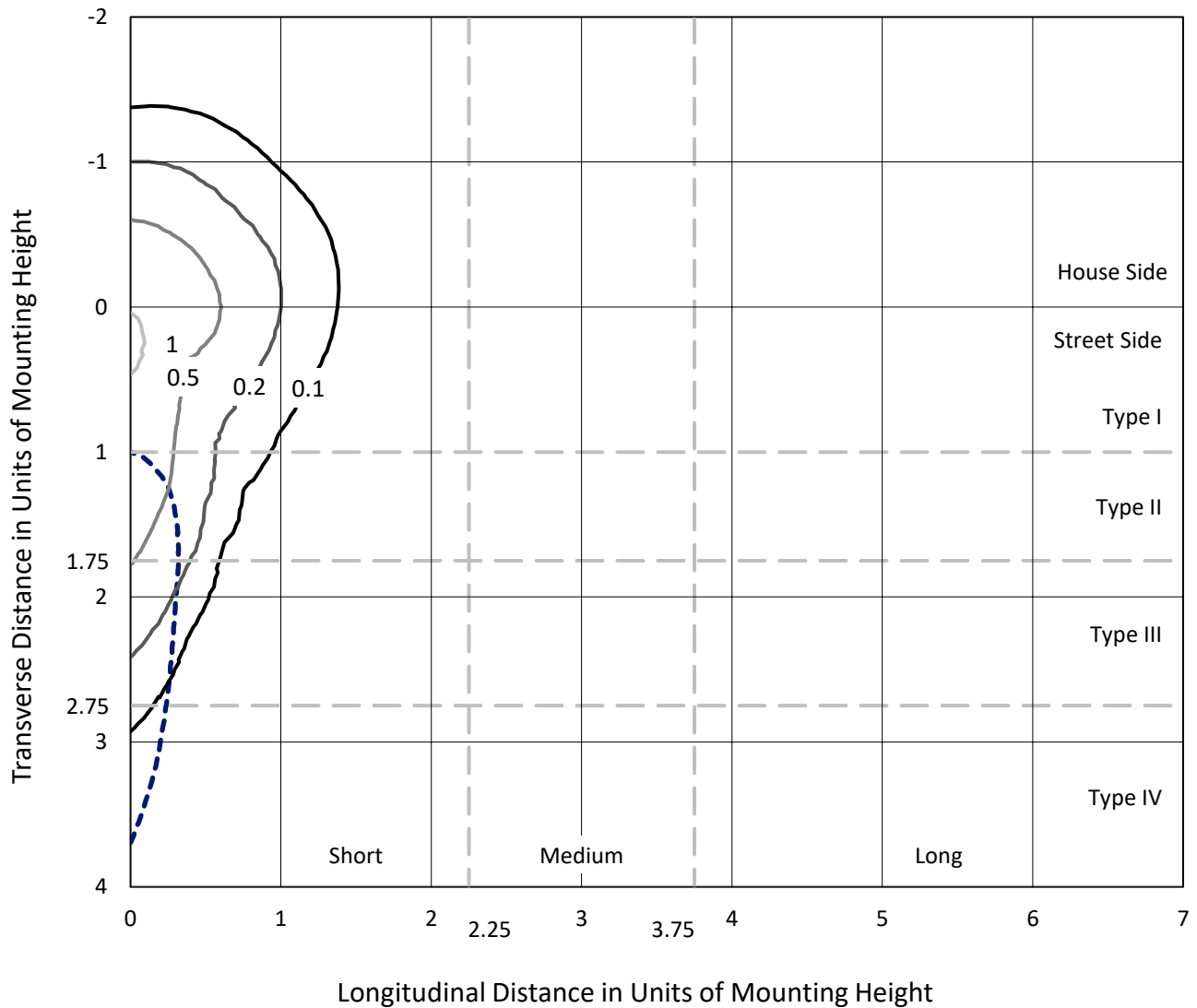
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

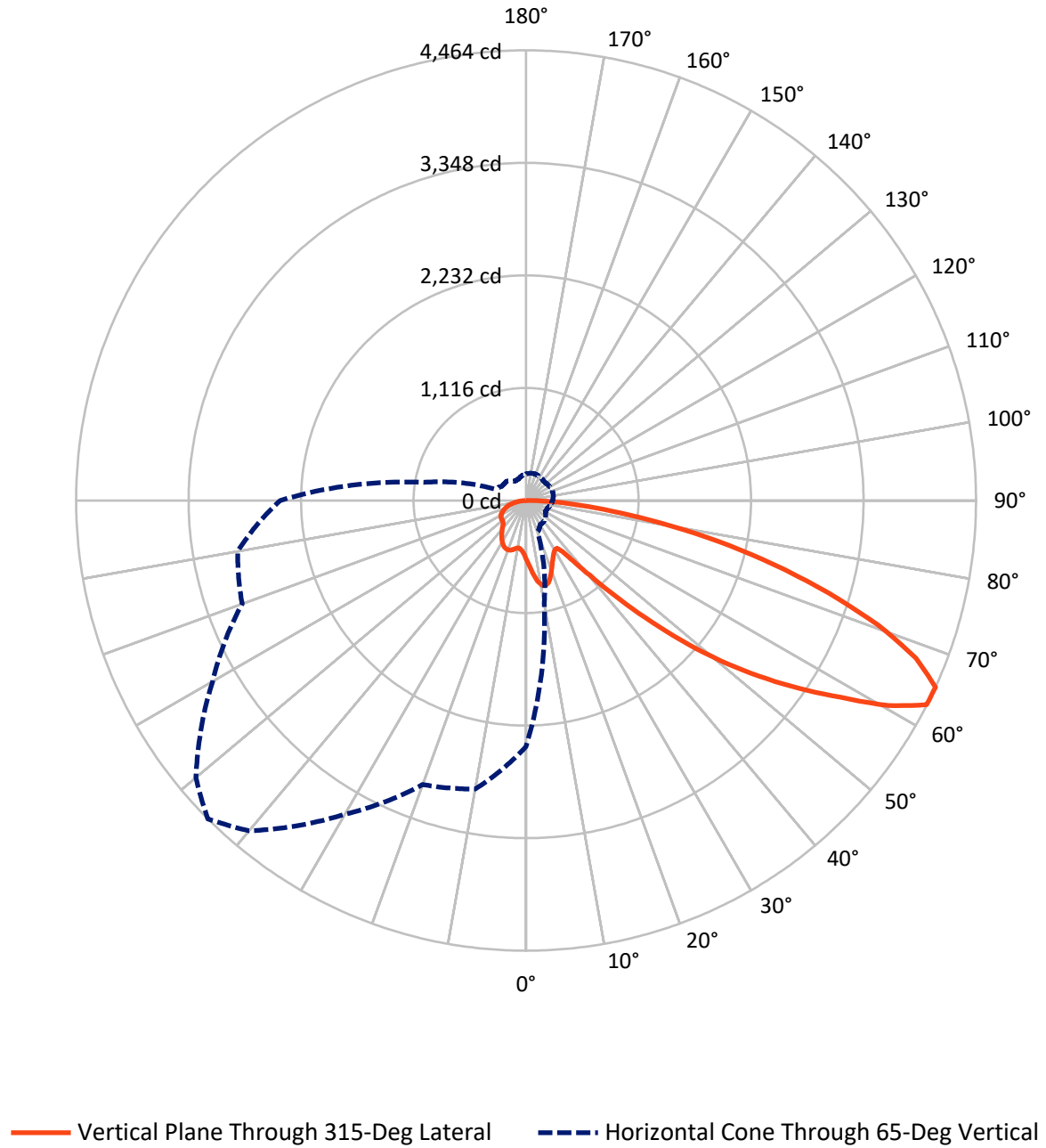
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1087.0	0.0	1087.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	3190.0	0.0	3190.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	4277.0	0.0	4277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.4
10°-20°	183.1	4.3
20°-30°	282.9	6.6
30°-40°	358.5	8.4
40°-50°	540.7	12.6
50°-60°	873.6	20.4
60°-70°	1089.1	25.5
70°-80°	714.2	16.7
80°-90°	176.6	4.1
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°	4277.0	100.0
0°-180°	4277.0	100.0

Coefficient of Utilization



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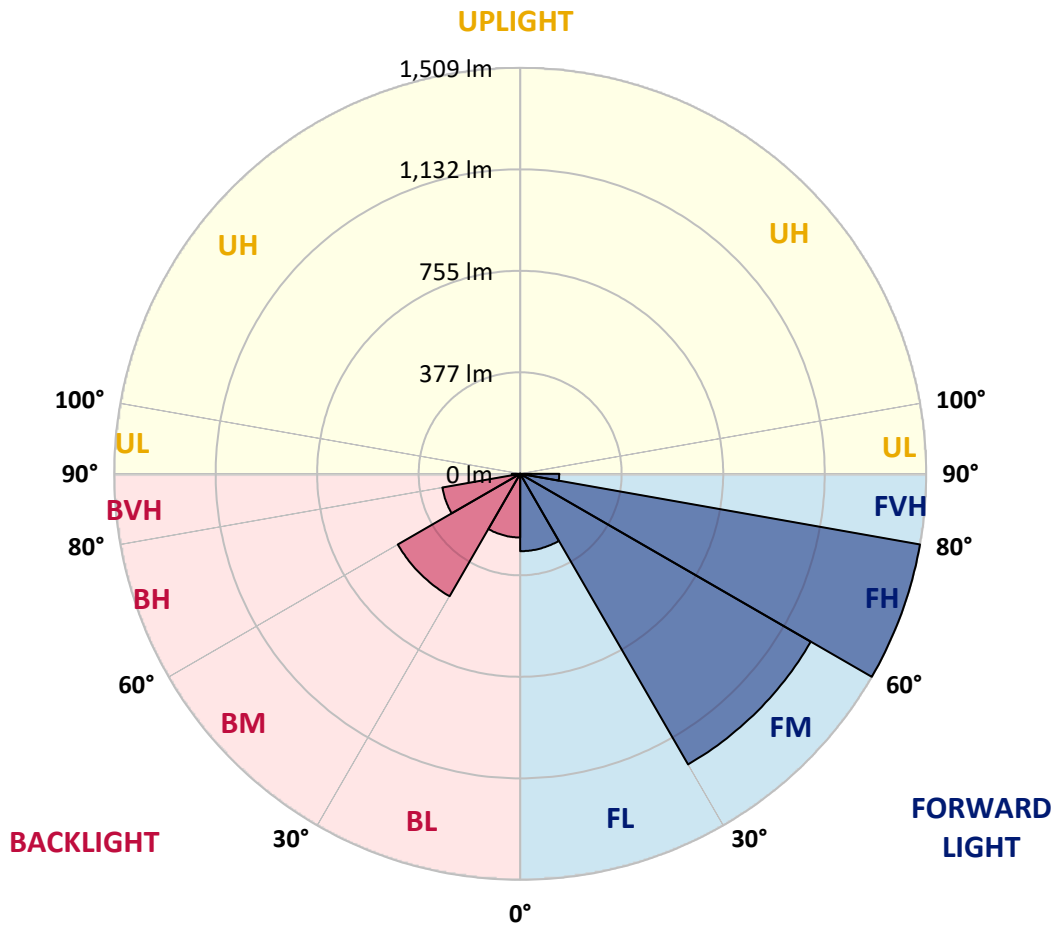
CATALOG NUMBER: GALN-SB1A-840-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.7	6.7			
FM (30°-60°)	1247.5	29.2			
FH (60°-80°)	1509.4	35.3			G1/1800
FVH (80°-90°)	145.4	3.4			G2/225
BL (0°-30°)	236.7	5.5	B1/500		
BM (30°-60°)	525.3	12.3	B1/1000		
BH (60°-80°)	293.9	6.9	B1/500		G1/500
BVH (80°-90°)	31.1	0.7			G1/100
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°	10°	15°	20°	25°	30°	35°	40°	45°
0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
2.5°	632.5	627.6	622.8	617.6	612.5	607.3	602.1	597.1	592.1	587.3
5°	680.1	669.4	658.6	648.0	637.3	626.5	615.8	605.7	595.7	586.2
7.5°	727.9	710.2	692.6	676.2	659.9	644.0	628.1	614.1	600.0	587.1
10°	764.6	742.2	719.9	698.3	676.7	657.4	638.0	621.5	604.9	588.9
12.5°	787.1	762.5	737.9	713.5	689.0	666.2	643.4	624.7	605.9	589.1
15°	800.7	775.1	749.5	722.9	696.4	670.2	643.9	622.2	600.5	581.9
17.5°	808.4	782.4	756.4	727.5	698.5	668.1	637.6	611.5	585.4	563.5
20°	816.9	789.9	762.8	731.0	699.2	662.3	625.4	593.0	560.6	535.2
22.5°	826.7	799.1	771.5	735.8	700.1	655.2	610.3	571.3	532.3	503.4
25°	839.3	812.3	785.3	744.5	703.7	648.2	592.8	547.1	501.5	471.8
27.5°	856.5	830.7	804.9	758.0	711.1	643.5	575.9	525.0	474.0	447.0
30°	879.6	854.7	829.8	775.6	721.3	641.3	561.3	506.5	451.6	428.9
32.5°	906.9	882.2	857.6	793.9	730.1	638.6	547.1	490.5	433.9	415.6
35°	940.1	916.5	892.8	814.7	736.6	633.5	530.5	474.8	419.1	403.9
37.5°	995.9	965.8	935.7	838.1	740.4	624.8	509.2	456.3	403.5	390.2
40°	1080.3	1036.5	992.6	867.7	742.8	612.8	482.7	434.3	385.9	373.8
42.5°	1192.3	1128.9	1065.6	906.5	747.4	600.4	453.3	410.0	366.7	355.6
45°	1330.5	1245.1	1159.7	957.6	755.5	588.8	422.2	384.2	346.2	334.9
47.5°	1503.4	1383.2	1262.9	1012.0	761.0	579.3	397.6	363.8	329.9	315.4
50°	1730.0	1548.7	1367.4	1062.4	757.4	568.9	380.5	350.2	320.0	300.8
52.5°	1990.1	1722.6	1455.2	1095.2	735.2	551.4	367.6	341.3	314.9	292.9
55°	2267.0	1876.8	1486.7	1088.0	689.2	522.3	355.4	334.8	314.2	293.7
57.5°	2518.8	1986.1	1453.3	1037.1	621.0	481.3	341.7	327.1	312.6	294.5
60°	2671.0	2013.4	1355.7	942.6	529.4	428.1	326.8	315.4	303.9	292.0
62.5°	2593.8	1898.4	1203.1	814.7	426.3	364.4	302.6	295.0	287.4	285.9
65°	2439.0	1735.7	1032.4	684.2	336.0	307.1	278.3	274.7	271.1	271.3
67.5°	2231.8	1542.1	852.4	556.3	260.3	252.1	243.8	245.9	247.8	247.3
70°	1982.7	1330.8	679.0	438.0	197.1	199.5	201.8	211.1	220.4	220.4
72.5°	1685.9	1101.8	517.7	334.9	152.1	159.1	166.2	179.4	192.6	194.8
75°	1310.5	839.3	368.0	243.1	118.1	124.5	130.9	145.7	160.4	170.6
77.5°	936.3	587.4	238.5	164.7	90.9	95.3	99.6	114.0	128.3	145.1
80°	612.8	378.5	144.1	106.1	68.2	70.0	71.8	83.9	96.0	116.1
82.5°	356.2	219.0	81.9	65.3	48.7	49.0	49.4	58.3	67.3	84.4
85°	156.7	98.5	40.4	34.9	29.5	29.3	29.1	35.7	42.2	55.0
87.5°	48.5	32.3	16.0	14.5	12.9	12.8	12.6	15.3	17.9	23.2
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
582.0	2.5°	577.7	573.3	569.4	565.6	562.1	558.7	555.3	551.9	549.3	546.6
576.8	5°	568.7	560.5	553.6	546.8	540.7	534.7	529.2	523.7	519.5	515.2
575.0	7.5°	564.1	553.3	544.2	535.2	527.6	520.0	513.2	506.5	501.5	496.5
575.9	10°	564.4	553.0	543.9	534.9	526.7	518.5	510.9	503.4	497.4	491.4
577.0	12.5°	567.6	558.3	552.3	546.3	539.9	533.5	525.6	517.8	510.2	502.5
572.2	15°	567.7	563.3	564.1	564.9	563.2	561.5	554.7	548.0	537.0	526.1
557.5	17.5°	559.2	560.8	570.7	580.5	585.7	590.9	585.5	580.0	565.5	551.1
533.6	20°	541.3	549.0	566.1	583.2	594.1	605.1	602.5	600.0	583.4	566.9
506.5	22.5°	517.8	529.2	548.7	568.2	582.5	596.7	598.2	599.7	583.9	568.2
480.1	25°	493.2	506.3	523.9	541.4	555.4	569.4	574.7	579.9	566.9	554.0
457.1	27.5°	469.8	482.4	496.8	511.2	522.5	533.7	539.5	545.4	536.1	526.9
436.9	30°	446.9	457.0	468.9	480.9	490.2	499.5	504.3	509.0	502.0	495.0
419.1	32.5°	425.1	431.0	440.6	450.1	459.1	468.0	473.3	478.6	472.1	465.6
402.4	35°	404.0	405.7	413.0	420.2	429.1	437.9	444.3	450.6	446.0	441.4
384.8	37.5°	383.0	381.2	386.5	391.7	400.5	409.3	417.1	425.0	422.8	420.7
365.6	40°	361.5	357.4	361.2	365.0	373.5	382.0	391.0	400.0	400.5	401.0
345.2	42.5°	339.8	334.3	337.4	340.5	348.6	356.7	366.4	376.1	378.7	381.3
324.9	45°	319.6	314.3	316.9	319.5	327.2	334.9	344.9	355.0	358.7	362.4
306.7	47.5°	302.3	297.9	300.3	302.8	310.3	317.8	327.7	337.6	341.9	346.2
290.8	50°	286.9	283.0	286.8	290.6	297.7	304.7	313.6	322.5	328.0	333.5
278.9	52.5°	275.0	271.2	276.9	282.6	289.1	295.5	303.8	312.1	318.6	325.2
272.6	55°	266.4	260.3	268.4	276.5	283.5	290.5	297.8	305.0	311.9	318.8
268.8	57.5°	259.8	250.9	259.6	268.3	276.5	284.8	291.9	299.1	306.1	313.1
265.2	60°	253.6	242.0	249.7	257.3	266.8	276.2	283.5	290.8	297.8	304.8
261.1	62.5°	246.6	232.1	237.0	241.8	252.8	263.8	271.6	279.4	285.8	292.2
252.3	65°	236.9	221.5	223.4	225.2	237.0	248.8	256.3	263.7	269.4	275.0
236.7	67.5°	223.9	211.1	210.5	209.9	220.8	231.7	238.7	245.8	250.6	255.5
216.9	70°	207.8	198.6	196.6	194.6	204.2	213.7	219.8	225.9	230.3	234.7
194.8	72.5°	188.6	182.3	179.3	176.4	183.9	191.4	196.9	202.4	206.7	211.1
169.8	75°	165.0	160.1	157.3	154.4	160.0	165.6	170.6	175.6	179.5	183.4
144.7	77.5°	140.8	136.9	134.1	131.2	135.7	140.3	144.5	148.8	153.0	157.1
116.0	80°	112.8	109.6	107.2	104.7	108.5	112.3	115.9	119.5	122.6	125.7
85.4	82.5°	83.8	82.2	80.5	78.8	78.4	78.1	76.9	75.6	82.3	89.0
56.2	85°	54.5	52.8	50.9	49.0	47.3	45.7	42.2	38.7	45.0	51.2
24.8	87.5°	24.1	23.5	23.1	22.7	22.7	22.6	20.0	17.3	19.9	22.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
544.5	2.5°	542.3	540.6	539.0	537.4	535.9	534.0	535.9	537.4	539.0	540.6
512.3	5°	509.3	507.2	505.1	503.5	501.9	500.3	501.9	503.5	505.1	507.2
493.0	7.5°	489.5	487.0	484.6	483.2	481.8	480.7	481.8	483.2	484.6	487.0
487.4	10°	483.5	481.2	478.9	477.7	476.5	476.0	476.5	477.7	478.9	481.2
497.4	12.5°	492.3	489.8	487.2	486.2	485.2	485.0	485.2	486.2	487.2	489.8
518.4	15°	510.7	507.1	503.6	502.3	500.9	500.8	500.9	502.3	503.6	507.1
539.7	17.5°	528.3	523.1	517.8	516.1	514.4	514.1	514.4	516.1	517.8	523.1
553.0	20°	539.0	532.3	525.6	523.5	521.3	520.6	521.3	523.5	525.6	532.3
553.8	22.5°	539.4	532.4	525.3	522.9	520.5	519.5	520.5	522.9	525.3	532.4
541.2	25°	528.5	522.4	516.2	514.0	511.8	510.5	511.8	514.0	516.2	522.4
517.0	27.5°	507.1	503.0	498.9	497.9	496.8	496.5	496.8	497.9	498.9	503.0
487.9	30°	480.7	478.6	476.5	476.5	476.5	476.9	476.5	476.5	476.5	478.6
460.0	32.5°	454.3	452.9	451.5	451.7	451.9	452.3	451.9	451.7	451.5	452.9
436.2	35°	430.9	428.8	426.8	426.3	425.9	425.6	425.9	426.3	426.8	428.8
415.9	37.5°	411.1	407.3	403.5	401.5	399.5	398.3	399.5	401.5	403.5	407.3
397.0	40°	392.9	387.3	381.8	378.1	374.4	372.1	374.4	378.1	381.8	387.3
377.8	42.5°	374.4	367.5	360.6	355.2	349.8	346.2	349.8	355.2	360.6	367.5
359.3	45°	356.2	348.4	340.5	334.1	327.7	323.6	327.7	334.1	340.5	348.4
344.0	47.5°	341.9	334.9	327.9	322.0	316.1	312.1	316.1	322.0	327.9	334.9
333.4	50°	333.3	327.7	322.1	316.6	311.2	307.4	311.2	316.6	322.1	327.7
326.3	52.5°	327.5	322.9	318.4	313.5	308.6	305.1	308.6	313.5	318.4	322.9
320.5	55°	322.1	318.1	314.1	309.9	305.6	302.4	305.6	309.9	314.1	318.1
314.7	57.5°	316.4	312.3	308.3	304.1	299.8	296.5	299.8	304.1	308.3	312.3
306.6	60°	308.4	304.5	300.6	296.2	291.8	288.4	291.8	296.2	300.6	304.5
293.9	62.5°	295.7	292.1	288.6	284.0	279.4	275.3	279.4	284.0	288.6	292.1
276.8	65°	278.5	275.1	271.7	267.3	262.8	259.3	262.8	267.3	271.7	275.1
257.3	67.5°	259.0	255.8	252.7	248.6	244.4	241.3	244.4	248.6	252.7	255.8
236.4	70°	238.0	235.5	232.9	229.0	225.0	221.4	225.0	229.0	232.9	235.5
213.0	72.5°	215.0	212.9	210.8	207.0	203.2	199.7	203.2	207.0	210.8	212.9
185.5	75°	187.6	186.5	185.5	182.3	179.1	175.8	179.1	182.3	185.5	186.5
159.0	77.5°	161.0	159.5	158.0	154.8	151.6	148.9	151.6	154.8	158.0	159.5
128.3	80°	130.9	130.3	129.7	125.3	121.0	116.0	121.0	125.3	129.7	130.3
93.3	82.5°	97.7	97.4	97.2	93.5	89.9	86.7	89.9	93.5	97.2	97.4
56.6	85°	62.1	61.6	61.2	58.3	55.5	52.6	55.5	58.3	61.2	61.6
24.7	87.5°	26.9	26.4	25.8	24.3	22.8	21.4	22.8	24.3	25.8	26.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
542.3	2.5°	544.5	546.6	549.3	551.9	555.3	558.7	562.1	565.6	569.4	573.3
509.3	5°	512.3	515.2	519.5	523.7	529.2	534.7	540.7	546.8	553.6	560.5
489.5	7.5°	493.0	496.5	501.5	506.5	513.2	520.0	527.6	535.2	544.2	553.3
483.5	10°	487.4	491.4	497.4	503.4	510.9	518.5	526.7	534.9	543.9	553.0
492.3	12.5°	497.4	502.5	510.2	517.8	525.6	533.5	539.9	546.3	552.3	558.3
510.7	15°	518.4	526.1	537.0	548.0	554.7	561.5	563.2	564.9	564.1	563.3
528.3	17.5°	539.7	551.1	565.5	580.0	585.5	590.9	585.7	580.5	570.7	560.8
539.0	20°	553.0	566.9	583.4	600.0	602.5	605.1	594.1	583.2	566.1	549.0
539.4	22.5°	553.8	568.2	583.9	599.7	598.2	596.7	582.5	568.2	548.7	529.2
528.5	25°	541.2	554.0	566.9	579.9	574.7	569.4	555.4	541.4	523.9	506.3
507.1	27.5°	517.0	526.9	536.1	545.4	539.5	533.7	522.5	511.2	496.8	482.4
480.7	30°	487.9	495.0	502.0	509.0	504.3	499.5	490.2	480.9	468.9	457.0
454.3	32.5°	460.0	465.6	472.1	478.6	473.3	468.0	459.1	450.1	440.6	431.0
430.9	35°	436.2	441.4	446.0	450.6	444.3	437.9	429.1	420.2	413.0	405.7
411.1	37.5°	415.9	420.7	422.8	425.0	417.1	409.3	400.5	391.7	386.5	381.2
392.9	40°	397.0	401.0	400.5	400.0	391.0	382.0	373.5	365.0	361.2	357.4
374.4	42.5°	377.8	381.3	378.7	376.1	366.4	356.7	348.6	340.5	337.4	334.3
356.2	45°	359.3	362.4	358.7	355.0	344.9	334.9	327.2	319.5	316.9	314.3
341.9	47.5°	344.0	346.2	341.9	337.6	327.7	317.8	310.3	302.8	300.3	297.9
333.3	50°	333.4	333.5	328.0	322.5	313.6	304.7	297.7	290.6	286.8	283.0
327.5	52.5°	326.3	325.2	318.6	312.1	303.8	295.5	289.1	282.6	276.9	271.2
322.1	55°	320.5	318.8	311.9	305.0	297.8	290.5	283.5	276.5	268.4	260.3
316.4	57.5°	314.7	313.1	306.1	299.1	291.9	284.8	276.5	268.3	259.6	250.9
308.4	60°	306.6	304.8	297.8	290.8	283.5	276.2	266.8	257.3	249.7	242.0
295.7	62.5°	293.9	292.2	285.8	279.4	271.6	263.8	252.8	241.8	237.0	232.1
278.5	65°	276.8	275.0	269.4	263.7	256.3	248.8	237.0	225.2	223.4	221.5
259.0	67.5°	257.3	255.5	250.6	245.8	238.7	231.7	220.8	209.9	210.5	211.1
238.0	70°	236.4	234.7	230.3	225.9	219.8	213.7	204.2	194.6	196.6	198.6
215.0	72.5°	213.0	211.1	206.7	202.4	196.9	191.4	183.9	176.4	179.3	182.3
187.6	75°	185.5	183.4	179.5	175.6	170.6	165.6	160.0	154.4	157.3	160.1
161.0	77.5°	159.0	157.1	153.0	148.8	144.5	140.3	135.7	131.2	134.1	136.9
130.9	80°	128.3	125.7	122.6	119.5	115.9	112.3	108.5	104.7	107.2	109.6
97.7	82.5°	93.3	89.0	82.3	75.6	76.9	78.1	78.4	78.8	80.5	82.2
62.1	85°	56.6	51.2	45.0	38.7	42.2	45.7	47.3	49.0	50.9	52.8
26.9	87.5°	24.7	22.5	19.9	17.3	20.0	22.6	22.7	22.7	23.1	23.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
577.7	2.5°	582.0	587.3	592.1	597.1	602.1	607.3	612.5	617.6	622.8	627.6
568.7	5°	576.8	586.2	595.7	605.7	615.8	626.5	637.3	648.0	658.6	669.4
564.1	7.5°	575.0	587.1	600.0	614.1	628.1	644.0	659.9	676.2	692.6	710.2
564.4	10°	575.9	588.9	604.9	621.5	638.0	657.4	676.7	698.3	719.9	742.2
567.6	12.5°	577.0	589.1	605.9	624.7	643.4	666.2	689.0	713.5	737.9	762.5
567.7	15°	572.2	581.9	600.5	622.2	643.9	670.2	696.4	722.9	749.5	775.1
559.2	17.5°	557.5	563.5	585.4	611.5	637.6	668.1	698.5	727.5	756.4	782.4
541.3	20°	533.6	535.2	560.6	593.0	625.4	662.3	699.2	731.0	762.8	789.9
517.8	22.5°	506.5	503.4	532.3	571.3	610.3	655.2	700.1	735.8	771.5	799.1
493.2	25°	480.1	471.8	501.5	547.1	592.8	648.2	703.7	744.5	785.3	812.3
469.8	27.5°	457.1	447.0	474.0	525.0	575.9	643.5	711.1	758.0	804.9	830.7
446.9	30°	436.9	428.9	451.6	506.5	561.3	641.3	721.3	775.6	829.8	854.7
425.1	32.5°	419.1	415.6	433.9	490.5	547.1	638.6	730.1	793.9	857.6	882.2
404.0	35°	402.4	403.9	419.1	474.8	530.5	633.5	736.6	814.7	892.8	916.5
383.0	37.5°	384.8	390.2	403.5	456.3	509.2	624.8	740.4	838.1	935.7	965.8
361.5	40°	365.6	373.8	385.9	434.3	482.7	612.8	742.8	867.7	992.6	1036.5
339.8	42.5°	345.2	355.6	366.7	410.0	453.3	600.4	747.4	906.5	1065.6	1128.9
319.6	45°	324.9	334.9	346.2	384.2	422.2	588.8	755.5	957.6	1159.7	1245.1
302.3	47.5°	306.7	315.4	329.9	363.8	397.6	579.3	761.0	1012.0	1262.9	1383.2
286.9	50°	290.8	300.8	320.0	350.2	380.5	568.9	757.4	1062.4	1367.4	1548.7
275.0	52.5°	278.9	292.9	314.9	341.3	367.6	551.4	735.2	1095.2	1455.2	1722.6
266.4	55°	272.6	293.7	314.2	334.8	355.4	522.3	689.2	1088.0	1486.7	1876.8
259.8	57.5°	268.8	294.5	312.6	327.1	341.7	481.3	621.0	1037.1	1453.3	1986.1
253.6	60°	265.2	292.0	303.9	315.4	326.8	428.1	529.4	942.6	1355.7	2013.4
246.6	62.5°	261.1	285.9	287.4	295.0	302.6	364.4	426.3	814.7	1203.1	1898.4
236.9	65°	252.3	271.3	271.1	274.7	278.3	307.1	336.0	684.2	1032.4	1735.7
223.9	67.5°	236.7	247.3	247.8	245.9	243.8	252.1	260.3	556.3	852.4	1542.1
207.8	70°	216.9	220.4	220.4	211.1	201.8	199.5	197.1	438.0	679.0	1330.8
188.6	72.5°	194.8	194.8	192.6	179.4	166.2	159.1	152.1	334.9	517.7	1101.8
165.0	75°	169.8	170.6	160.4	145.7	130.9	124.5	118.1	243.1	368.0	839.3
140.8	77.5°	144.7	145.1	128.3	114.0	99.6	95.3	90.9	164.7	238.5	587.4
112.8	80°	116.0	116.1	96.0	83.9	71.8	70.0	68.2	106.1	144.1	378.5
83.8	82.5°	85.4	84.4	67.3	58.3	49.4	49.0	48.7	65.3	81.9	219.0
54.5	85°	56.2	55.0	42.2	35.7	29.1	29.3	29.5	34.9	40.4	98.5
24.1	87.5°	24.8	23.2	17.9	15.3	12.6	12.8	12.9	14.5	16.0	32.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
632.5	2.5°	634.9	637.3	640.7	644.1	646.1	648.2	649.2	650.2	649.7	650.2
680.1	5°	688.5	696.9	705.2	713.5	718.0	722.5	725.2	728.0	730.1	728.0
727.9	7.5°	741.6	755.2	767.4	779.7	787.1	794.4	798.4	802.4	804.3	802.4
764.6	10°	780.7	796.8	811.2	825.6	834.3	843.0	846.8	850.7	852.2	850.7
787.1	12.5°	804.5	822.0	835.0	847.9	854.2	860.6	862.7	864.8	865.0	864.8
800.7	15°	815.8	830.8	839.0	847.2	847.4	847.6	845.4	843.1	840.4	843.1
808.4	17.5°	818.6	828.7	828.9	829.0	819.9	810.8	802.4	794.0	788.1	794.0
816.9	20°	820.4	824.0	813.2	802.5	782.3	762.2	747.5	732.8	723.8	732.8
826.7	22.5°	822.0	817.4	795.2	773.0	743.3	713.6	695.2	676.9	666.9	676.9
839.3	25°	824.6	810.0	776.3	742.5	706.5	670.5	651.1	631.9	622.4	631.9
856.5	27.5°	830.2	804.0	759.3	714.7	674.7	634.8	615.8	596.8	587.9	596.8
879.6	30°	840.5	801.4	746.4	691.4	649.8	608.2	590.6	573.0	564.7	573.0
906.9	32.5°	853.3	799.8	737.6	675.4	636.3	597.2	583.4	569.5	563.5	569.5
940.1	35°	874.5	809.0	744.2	679.4	652.2	625.1	621.9	618.6	618.1	618.6
995.9	37.5°	918.8	841.7	782.8	723.9	722.2	720.4	735.2	749.9	757.6	749.9
1080.3	40°	996.5	912.7	868.8	825.0	856.0	886.9	922.8	958.6	976.5	958.6
1192.3	42.5°	1109.1	1025.9	1000.7	975.4	1042.9	1110.3	1175.6	1240.8	1279.2	1240.8
1330.5	45°	1255.8	1181.0	1169.9	1158.8	1266.8	1374.8	1482.1	1589.4	1654.5	1589.4
1503.4	47.5°	1430.7	1358.0	1355.7	1353.5	1509.3	1665.1	1822.1	1979.1	2071.3	1979.1
1730.0	50°	1640.2	1550.4	1550.8	1551.1	1752.0	1952.9	2160.1	2367.3	2492.6	2367.3
1990.1	52.5°	1881.3	1772.6	1761.6	1750.6	1990.5	2230.4	2486.9	2743.3	2893.5	2743.3
2267.0	55°	2159.5	2052.1	2009.3	1966.4	2233.4	2500.4	2806.1	3111.8	3290.4	3111.8
2518.8	57.5°	2460.3	2401.8	2315.8	2229.9	2499.5	2769.1	3115.4	3461.6	3683.1	3461.6
2671.0	60°	2761.9	2852.8	2746.0	2639.3	2894.4	3149.6	3520.3	3891.0	4130.4	3891.0
2593.8	62.5°	2842.0	3090.3	3078.3	3066.2	3300.0	3533.7	3886.4	4239.1	4460.4	4239.1
2439.0	65°	2672.1	2905.1	2951.2	2997.3	3294.3	3591.4	3933.4	4275.3	4463.7	4275.3
2231.8	67.5°	2453.4	2675.0	2696.6	2718.2	3027.7	3337.2	3680.7	4024.1	4171.7	4024.1
1982.7	70°	2223.8	2464.8	2474.5	2484.2	2761.0	3037.7	3333.3	3628.8	3710.9	3628.8
1685.9	72.5°	1962.6	2239.2	2246.2	2253.1	2469.6	2686.2	2907.5	3128.9	3137.2	3128.9
1310.5	75°	1596.8	1883.1	1908.8	1934.5	2103.0	2271.5	2427.3	2583.1	2541.4	2583.1
936.3	77.5°	1203.6	1470.9	1507.7	1544.4	1672.5	1800.6	1911.1	2021.6	1949.9	2021.6
612.8	80°	837.7	1062.5	1108.2	1154.0	1250.7	1347.4	1405.4	1463.4	1348.0	1463.4
356.2	82.5°	509.9	663.7	714.8	765.8	832.4	899.0	923.2	947.4	856.7	947.4
156.7	85°	238.3	319.9	363.3	406.8	461.5	516.2	529.9	543.7	471.0	543.7
48.5	87.5°	75.9	103.4	127.6	151.8	179.2	206.5	207.7	208.9	175.4	208.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
588.1	0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1
649.2	2.5°	648.2	646.1	644.1	640.7	637.3	634.9	632.5
725.2	5°	722.5	718.0	713.5	705.2	696.9	688.5	680.1
798.4	7.5°	794.4	787.1	779.7	767.4	755.2	741.6	727.9
846.8	10°	843.0	834.3	825.6	811.2	796.8	780.7	764.6
862.7	12.5°	860.6	854.2	847.9	835.0	822.0	804.5	787.1
845.4	15°	847.6	847.4	847.2	839.0	830.8	815.8	800.7
802.4	17.5°	810.8	819.9	829.0	828.9	828.7	818.6	808.4
747.5	20°	762.2	782.3	802.5	813.2	824.0	820.4	816.9
695.2	22.5°	713.6	743.3	773.0	795.2	817.4	822.0	826.7
651.1	25°	670.5	706.5	742.5	776.3	810.0	824.6	839.3
615.8	27.5°	634.8	674.7	714.7	759.3	804.0	830.2	856.5
590.6	30°	608.2	649.8	691.4	746.4	801.4	840.5	879.6
583.4	32.5°	597.2	636.3	675.4	737.6	799.8	853.3	906.9
621.9	35°	625.1	652.2	679.4	744.2	809.0	874.5	940.1
735.2	37.5°	720.4	722.2	723.9	782.8	841.7	918.8	995.9
922.8	40°	886.9	856.0	825.0	868.8	912.7	996.5	1080.3
1175.6	42.5°	1110.3	1042.9	975.4	1000.7	1025.9	1109.1	1192.3
1482.1	45°	1374.8	1266.8	1158.8	1169.9	1181.0	1255.8	1330.5
1822.1	47.5°	1665.1	1509.3	1353.5	1355.7	1358.0	1430.7	1503.4
2160.1	50°	1952.9	1752.0	1551.1	1550.8	1550.4	1640.2	1730.0
2486.9	52.5°	2230.4	1990.5	1750.6	1761.6	1772.6	1881.3	1990.1
2806.1	55°	2500.4	2233.4	1966.4	2009.3	2052.1	2159.5	2267.0
3115.4	57.5°	2769.1	2499.5	2229.9	2315.8	2401.8	2460.3	2518.8
3520.3	60°	3149.6	2894.4	2639.3	2746.0	2852.8	2761.9	2671.0
3886.4	62.5°	3533.7	3300.0	3066.2	3078.3	3090.3	2842.0	2593.8
3933.4	65°	3591.4	3294.3	2997.3	2951.2	2905.1	2672.1	2439.0
3680.7	67.5°	3337.2	3027.7	2718.2	2696.6	2675.0	2453.4	2231.8
3333.3	70°	3037.7	2761.0	2484.2	2474.5	2464.8	2223.8	1982.7
2907.5	72.5°	2686.2	2469.6	2253.1	2246.2	2239.2	1962.6	1685.9
2427.3	75°	2271.5	2103.0	1934.5	1908.8	1883.1	1596.8	1310.5
1911.1	77.5°	1800.6	1672.5	1544.4	1507.7	1470.9	1203.6	936.3
1405.4	80°	1347.4	1250.7	1154.0	1108.2	1062.5	837.7	612.8
923.2	82.5°	899.0	832.4	765.8	714.8	663.7	509.9	356.2
529.9	85°	516.2	461.5	406.8	363.3	319.9	238.3	156.7
207.7	87.5°	206.5	179.2	151.8	127.6	103.4	75.9	48.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)