

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: P944989

Luminaire Tested: **GALN-SB1A-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944989
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-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3888 lumens
Efficiency: N/A
Efficacy: 125.8 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

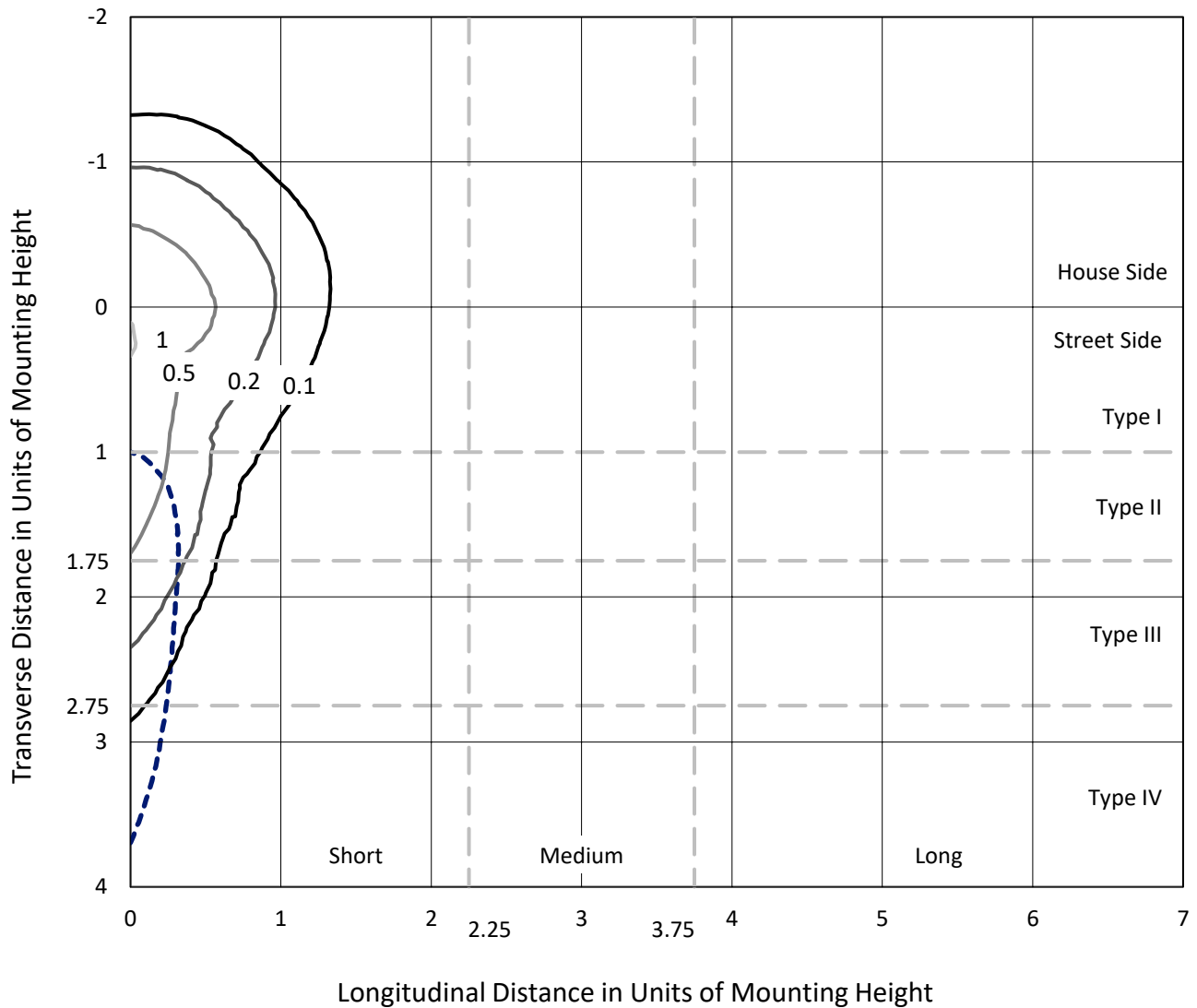
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

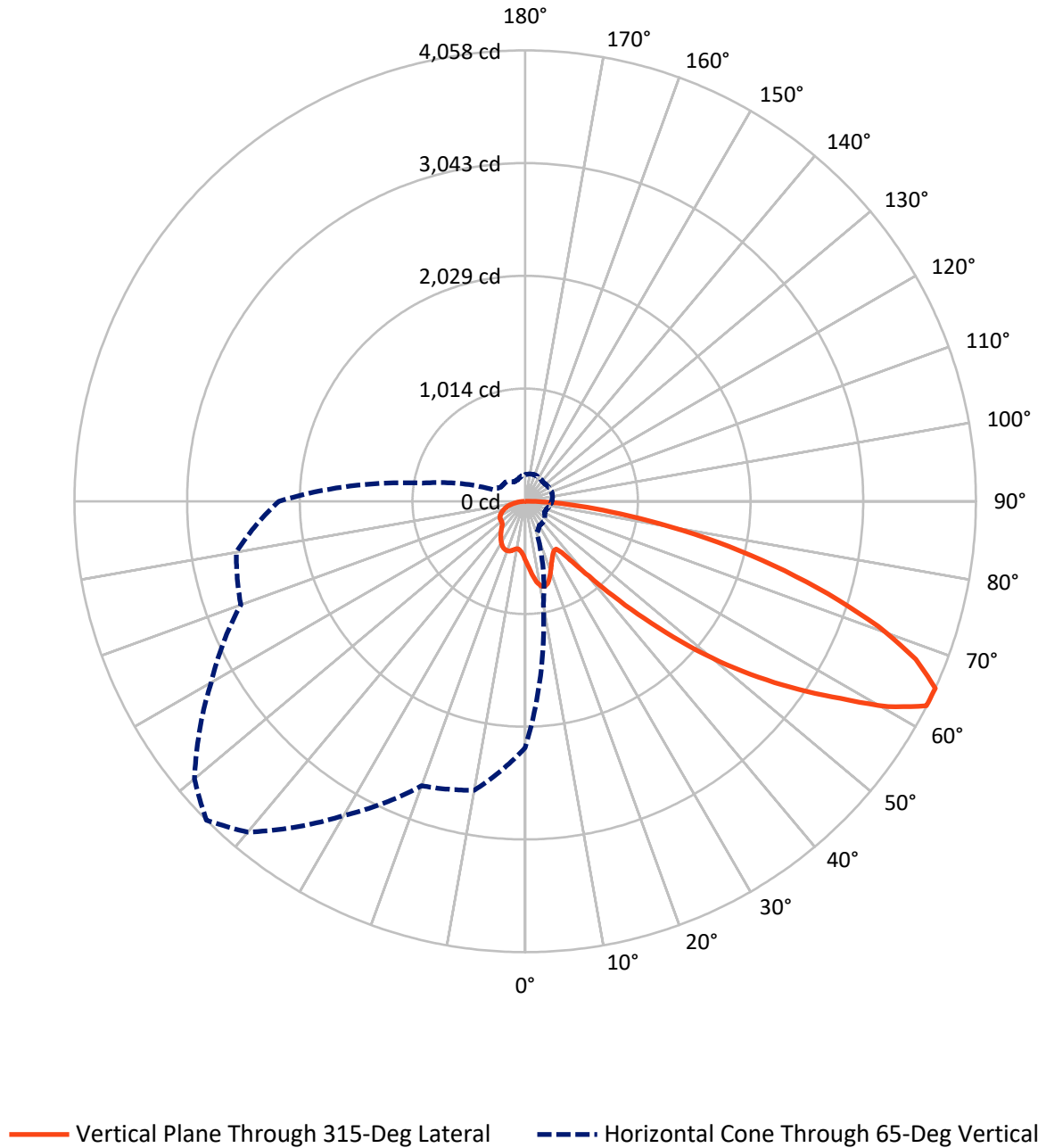
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	988.1	0.0	988.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2899.9	0.0	2899.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	3888.0	0.0	3888.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.4
10°-20°	166.5	4.3
20°-30°	257.2	6.6
30°-40°	325.9	8.4
40°-50°	491.5	12.6
50°-60°	794.1	20.4
60°-70°	990.0	25.5
70°-80°	649.2	16.7
80°-90°	160.5	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°	3888.0	100.0
0°-180°	3888.0	100.0



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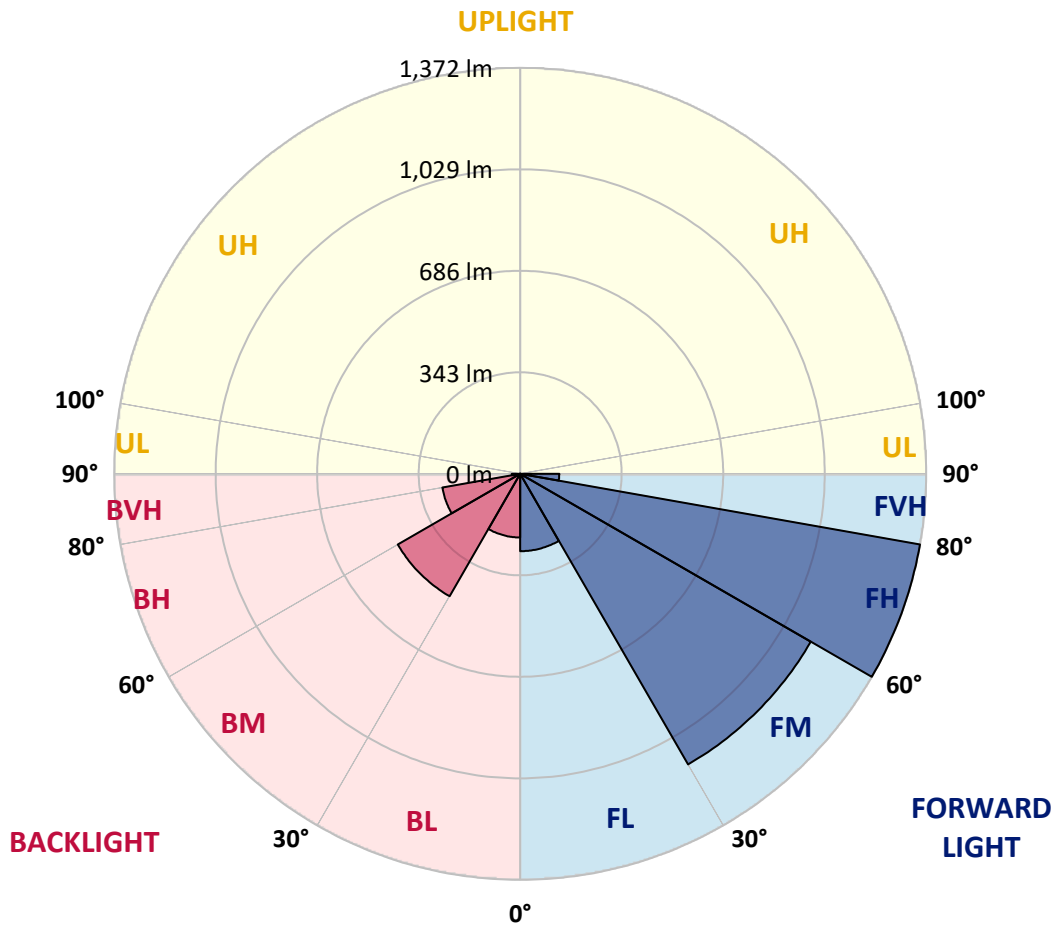
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.5	6.7			
FM (30°-60°)	1134.0	29.2			
FH (60°-80°)	1372.1	35.3			G1/1800
FVH (80°-90°)	132.2	3.4			G2/225
BL (0°-30°)	215.2	5.5	B1/500		
BM (30°-60°)	477.5	12.3	B1/1000		
BH (60°-80°)	267.1	6.9	B1/500		G1/500
BVH (80°-90°)	28.3	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°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
2.5°	574.9	570.5	566.1	561.4	556.7	552.0	547.3	542.8	538.3	533.9
5°	618.2	608.5	598.7	589.0	579.3	569.5	559.8	550.6	541.5	532.9
7.5°	661.7	645.6	629.6	614.7	599.9	585.4	570.9	558.2	545.5	533.7
10°	695.1	674.7	654.4	634.8	615.2	597.6	580.0	565.0	549.9	535.4
12.5°	715.5	693.1	670.8	648.6	626.3	605.6	584.9	567.8	550.8	535.6
15°	727.9	704.6	681.3	657.2	633.1	609.2	585.3	565.6	545.9	529.0
17.5°	734.9	711.3	687.6	661.3	635.0	607.3	579.6	555.9	532.1	512.3
20°	742.6	718.0	693.5	664.5	635.6	602.0	568.5	539.1	509.6	486.5
22.5°	751.5	726.4	701.3	668.9	636.4	595.6	554.8	519.3	483.9	457.6
25°	763.0	738.4	713.8	676.8	639.7	589.2	538.8	497.3	455.9	428.9
27.5°	778.6	755.1	731.7	689.1	646.4	585.0	523.6	477.2	430.9	406.3
30°	799.6	776.9	754.3	705.0	655.7	583.0	510.3	460.4	410.5	389.9
32.5°	824.4	802.0	779.6	721.7	663.7	580.5	497.3	445.9	394.4	377.8
35°	854.6	833.1	811.6	740.6	669.6	575.9	482.3	431.6	381.0	367.1
37.5°	905.3	878.0	850.6	761.8	673.1	568.0	462.9	414.8	366.8	354.7
40°	982.1	942.2	902.3	788.8	675.3	557.0	438.8	394.8	350.8	339.8
42.5°	1083.8	1026.3	968.7	824.1	679.4	545.8	412.1	372.7	333.3	323.2
45°	1209.5	1131.8	1054.2	870.5	686.8	535.3	383.8	349.3	314.7	304.4
47.5°	1366.6	1257.4	1148.0	919.9	691.8	526.6	361.4	330.7	299.9	286.7
50°	1572.6	1407.9	1243.1	965.8	688.5	517.2	345.9	318.4	290.9	273.5
52.5°	1809.1	1565.9	1322.8	995.6	668.3	501.2	334.2	310.2	286.3	266.3
55°	2060.8	1706.1	1351.5	989.0	626.5	474.8	323.1	304.3	285.6	267.0
57.5°	2289.7	1805.4	1321.2	942.8	564.5	437.6	310.6	297.4	284.1	267.7
60°	2428.1	1830.3	1232.4	856.8	481.3	389.2	297.1	286.7	276.3	265.5
62.5°	2357.8	1725.7	1093.6	740.6	387.5	331.3	275.1	268.2	261.3	259.9
65°	2217.2	1577.8	938.5	621.9	305.4	279.2	253.0	249.7	246.4	246.6
67.5°	2028.8	1401.8	774.9	505.7	236.6	229.1	221.7	223.5	225.3	224.8
70°	1802.4	1209.8	617.2	398.2	179.2	181.3	183.4	191.9	200.3	200.3
72.5°	1532.6	1001.6	470.6	304.4	138.2	144.7	151.1	163.1	175.0	177.0
75°	1191.3	763.0	334.6	221.0	107.3	113.2	119.0	132.4	145.8	155.1
77.5°	851.2	534.0	216.8	149.7	82.6	86.6	90.6	103.6	116.6	131.9
80°	557.1	344.0	131.0	96.5	62.0	63.6	65.2	76.3	87.3	105.6
82.5°	323.8	199.1	74.4	59.3	44.3	44.6	44.9	53.0	61.1	76.7
85°	142.5	89.6	36.7	31.7	26.8	26.6	26.5	32.4	38.4	50.0
87.5°	44.1	29.3	14.6	13.2	11.7	11.6	11.4	13.9	16.3	21.1
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°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
529.1	2.5°	525.1	521.2	517.6	514.1	511.0	507.9	504.8	501.7	499.3	496.9
524.4	5°	516.9	509.5	503.3	497.0	491.6	486.1	481.1	476.1	472.2	468.4
522.7	7.5°	512.8	502.9	494.7	486.5	479.6	472.7	466.6	460.5	455.9	451.3
523.5	10°	513.1	502.7	494.5	486.3	478.8	471.3	464.5	457.6	452.1	446.7
524.5	12.5°	516.0	507.5	502.1	496.6	490.8	484.9	477.8	470.7	463.8	456.8
520.2	15°	516.1	512.0	512.8	513.5	512.0	510.5	504.3	498.1	488.2	478.3
506.8	17.5°	508.3	509.8	518.8	527.7	532.5	537.2	532.2	527.2	514.1	500.9
485.1	20°	492.1	499.0	514.6	530.1	540.1	550.0	547.7	545.4	530.4	515.3
460.4	22.5°	470.7	481.0	498.8	516.5	529.5	542.4	543.8	545.2	530.8	516.5
436.5	25°	448.4	460.3	476.2	492.2	504.9	517.6	522.4	527.1	515.4	503.6
415.5	27.5°	427.0	438.5	451.6	464.7	474.9	485.2	490.4	495.8	487.4	479.0
397.1	30°	406.2	415.4	426.3	437.1	445.6	454.1	458.4	462.7	456.3	449.9
381.0	32.5°	386.4	391.8	400.5	409.2	417.3	425.5	430.2	435.0	429.2	423.3
365.8	35°	367.3	368.8	375.4	382.0	390.0	398.1	403.8	409.6	405.4	401.2
349.8	37.5°	348.2	346.5	351.3	356.0	364.1	372.1	379.2	386.3	384.4	382.4
332.4	40°	328.6	324.9	328.4	331.8	339.5	347.3	355.5	363.6	364.1	364.6
313.8	42.5°	308.9	303.9	306.7	309.5	316.9	324.2	333.1	341.9	344.2	346.6
295.3	45°	290.5	285.7	288.1	290.5	297.4	304.4	313.6	322.7	326.1	329.5
278.8	47.5°	274.8	270.8	273.0	275.2	282.0	288.9	297.9	306.9	310.8	314.7
264.3	50°	260.8	257.2	260.7	264.1	270.6	277.0	285.1	293.2	298.2	303.2
253.5	52.5°	250.0	246.5	251.7	256.9	262.8	268.7	276.2	283.7	289.7	295.6
247.8	55°	242.2	236.6	244.0	251.4	257.7	264.1	270.7	277.3	283.5	289.8
244.3	57.5°	236.2	228.1	236.0	243.9	251.4	258.9	265.4	271.9	278.3	284.6
241.1	60°	230.6	220.0	227.0	233.9	242.5	251.1	257.7	264.3	270.7	277.1
237.3	62.5°	224.2	211.0	215.4	219.8	229.8	239.8	246.9	254.0	259.8	265.6
229.4	65°	215.4	201.4	203.1	204.7	215.5	226.2	233.0	239.7	244.9	250.0
215.2	67.5°	203.5	191.9	191.3	190.8	200.7	210.6	217.0	223.4	227.8	232.3
197.2	70°	188.9	180.6	178.7	176.9	185.6	194.3	199.8	205.4	209.4	213.4
177.1	72.5°	171.4	165.7	163.0	160.3	167.2	174.0	179.0	184.0	187.9	191.9
154.3	75°	149.9	145.6	143.0	140.4	145.5	150.5	155.1	159.6	163.2	166.7
131.5	77.5°	128.0	124.5	121.9	119.2	123.4	127.5	131.4	135.3	139.1	142.8
105.5	80°	102.6	99.6	97.4	95.2	98.6	102.1	105.3	108.6	111.5	114.3
77.6	82.5°	76.2	74.7	73.2	71.6	71.3	71.0	69.9	68.7	74.8	80.9
51.1	85°	49.5	48.0	46.3	44.5	43.0	41.5	38.4	35.2	40.9	46.6
22.6	87.5°	22.0	21.3	21.0	20.7	20.6	20.6	18.1	15.7	18.1	20.5
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°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
494.9	2.5°	493.0	491.5	490.0	488.6	487.1	485.4	487.1	488.6	490.0	491.5
465.7	5°	463.0	461.1	459.2	457.7	456.3	454.8	456.3	457.7	459.2	461.1
448.1	7.5°	444.9	442.7	440.6	439.3	438.0	437.0	438.0	439.3	440.6	442.7
443.1	10°	439.5	437.4	435.3	434.2	433.1	432.7	433.1	434.2	435.3	437.4
452.2	12.5°	447.5	445.2	442.9	442.0	441.0	440.9	441.0	442.0	442.9	445.2
471.2	15°	464.2	461.0	457.8	456.6	455.3	455.2	455.3	456.6	457.8	461.0
490.6	17.5°	480.3	475.5	470.7	469.2	467.6	467.3	467.6	469.2	470.7	475.5
502.7	20°	490.0	483.9	477.8	475.9	473.9	473.3	473.9	475.9	477.8	483.9
503.4	22.5°	490.4	483.9	477.5	475.3	473.2	472.3	473.2	475.3	477.5	483.9
492.0	25°	480.4	474.9	469.3	467.3	465.3	464.1	465.3	467.3	469.3	474.9
470.0	27.5°	461.0	457.2	453.5	452.6	451.6	451.3	451.6	452.6	453.5	457.2
443.5	30°	437.0	435.1	433.2	433.2	433.2	433.5	433.2	433.2	433.2	435.1
418.1	32.5°	413.0	411.7	410.5	410.6	410.8	411.1	410.8	410.6	410.5	411.7
396.5	35°	391.7	389.8	387.9	387.5	387.1	386.9	387.1	387.5	387.9	389.8
378.1	37.5°	373.7	370.2	366.8	364.9	363.1	362.1	363.1	364.9	366.8	370.2
360.8	40°	357.1	352.1	347.1	343.7	340.3	338.3	340.3	343.7	347.1	352.1
343.5	42.5°	340.4	334.1	327.8	322.9	317.9	314.7	317.9	322.9	327.8	334.1
326.6	45°	323.8	316.7	309.5	303.7	297.9	294.2	297.9	303.7	309.5	316.7
312.7	47.5°	310.8	304.4	298.0	292.7	287.3	283.7	287.3	292.7	298.0	304.4
303.1	50°	303.0	297.9	292.8	287.8	282.9	279.4	282.9	287.8	292.8	297.9
296.7	52.5°	297.7	293.6	289.4	285.0	280.5	277.4	280.5	285.0	289.4	293.6
291.3	55°	292.8	289.2	285.6	281.7	277.8	274.9	277.8	281.7	285.6	289.2
286.1	57.5°	287.6	283.9	280.3	276.4	272.5	269.6	272.5	276.4	280.3	283.9
278.7	60°	280.3	276.8	273.2	269.2	265.3	262.2	265.3	269.2	273.2	276.8
267.2	62.5°	268.8	265.6	262.4	258.2	254.0	250.3	254.0	258.2	262.4	265.6
251.6	65°	253.2	250.1	247.0	242.9	238.9	235.7	238.9	242.9	247.0	250.1
233.9	67.5°	235.4	232.6	229.7	226.0	222.2	219.3	222.2	226.0	229.7	232.6
214.9	70°	216.4	214.1	211.8	208.2	204.5	201.3	204.5	208.2	211.8	214.1
193.7	72.5°	195.5	193.5	191.6	188.2	184.7	181.6	184.7	188.2	191.6	193.5
168.6	75°	170.5	169.6	168.6	165.7	162.9	159.8	162.9	165.7	168.6	169.6
144.6	77.5°	146.3	145.0	143.6	140.7	137.8	135.4	137.8	140.7	143.6	145.0
116.7	80°	119.0	118.4	117.9	113.9	110.0	105.4	110.0	113.9	117.9	118.4
84.9	82.5°	88.8	88.6	88.3	85.0	81.7	78.8	81.7	85.0	88.3	88.6
51.5	85°	56.4	56.0	55.6	53.0	50.4	47.8	50.4	53.0	55.6	56.0
22.5	87.5°	24.5	24.0	23.4	22.1	20.8	19.5	20.8	22.1	23.4	24.0
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
493.0	2.5°	494.9	496.9	499.3	501.7	504.8	507.9	511.0	514.1	517.6	521.2
463.0	5°	465.7	468.4	472.2	476.1	481.1	486.1	491.6	497.0	503.3	509.5
444.9	7.5°	448.1	451.3	455.9	460.5	466.6	472.7	479.6	486.5	494.7	502.9
439.5	10°	443.1	446.7	452.1	457.6	464.5	471.3	478.8	486.3	494.5	502.7
447.5	12.5°	452.2	456.8	463.8	470.7	477.8	484.9	490.8	496.6	502.1	507.5
464.2	15°	471.2	478.3	488.2	498.1	504.3	510.5	512.0	513.5	512.8	512.0
480.3	17.5°	490.6	500.9	514.1	527.2	532.2	537.2	532.5	527.7	518.8	509.8
490.0	20°	502.7	515.3	530.4	545.4	547.7	550.0	540.1	530.1	514.6	499.0
490.4	22.5°	503.4	516.5	530.8	545.2	543.8	542.4	529.5	516.5	498.8	481.0
480.4	25°	492.0	503.6	515.4	527.1	522.4	517.6	504.9	492.2	476.2	460.3
461.0	27.5°	470.0	479.0	487.4	495.8	490.4	485.2	474.9	464.7	451.6	438.5
437.0	30°	443.5	449.9	456.3	462.7	458.4	454.1	445.6	437.1	426.3	415.4
413.0	32.5°	418.1	423.3	429.2	435.0	430.2	425.5	417.3	409.2	400.5	391.8
391.7	35°	396.5	401.2	405.4	409.6	403.8	398.1	390.0	382.0	375.4	368.8
373.7	37.5°	378.1	382.4	384.4	386.3	379.2	372.1	364.1	356.0	351.3	346.5
357.1	40°	360.8	364.6	364.1	363.6	355.5	347.3	339.5	331.8	328.4	324.9
340.4	42.5°	343.5	346.6	344.2	341.9	333.1	324.2	316.9	309.5	306.7	303.9
323.8	45°	326.6	329.5	326.1	322.7	313.6	304.4	297.4	290.5	288.1	285.7
310.8	47.5°	312.7	314.7	310.8	306.9	297.9	288.9	282.0	275.2	273.0	270.8
303.0	50°	303.1	303.2	298.2	293.2	285.1	277.0	270.6	264.1	260.7	257.2
297.7	52.5°	296.7	295.6	289.7	283.7	276.2	268.7	262.8	256.9	251.7	246.5
292.8	55°	291.3	289.8	283.5	277.3	270.7	264.1	257.7	251.4	244.0	236.6
287.6	57.5°	286.1	284.6	278.3	271.9	265.4	258.9	251.4	243.9	236.0	228.1
280.3	60°	278.7	277.1	270.7	264.3	257.7	251.1	242.5	233.9	227.0	220.0
268.8	62.5°	267.2	265.6	259.8	254.0	246.9	239.8	229.8	219.8	215.4	211.0
253.2	65°	251.6	250.0	244.9	239.7	233.0	226.2	215.5	204.7	203.1	201.4
235.4	67.5°	233.9	232.3	227.8	223.4	217.0	210.6	200.7	190.8	191.3	191.9
216.4	70°	214.9	213.4	209.4	205.4	199.8	194.3	185.6	176.9	178.7	180.6
195.5	72.5°	193.7	191.9	187.9	184.0	179.0	174.0	167.2	160.3	163.0	165.7
170.5	75°	168.6	166.7	163.2	159.6	155.1	150.5	145.5	140.4	143.0	145.6
146.3	77.5°	144.6	142.8	139.1	135.3	131.4	127.5	123.4	119.2	121.9	124.5
119.0	80°	116.7	114.3	111.5	108.6	105.3	102.1	98.6	95.2	97.4	99.6
88.8	82.5°	84.9	80.9	74.8	68.7	69.9	71.0	71.3	71.6	73.2	74.7
56.4	85°	51.5	46.6	40.9	35.2	38.4	41.5	43.0	44.5	46.3	48.0
24.5	87.5°	22.5	20.5	18.1	15.7	18.1	20.6	20.6	20.7	21.0	21.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
525.1	2.5°	529.1	533.9	538.3	542.8	547.3	552.0	556.7	561.4	566.1	570.5
516.9	5°	524.4	532.9	541.5	550.6	559.8	569.5	579.3	589.0	598.7	608.5
512.8	7.5°	522.7	533.7	545.5	558.2	570.9	585.4	599.9	614.7	629.6	645.6
513.1	10°	523.5	535.4	549.9	565.0	580.0	597.6	615.2	634.8	654.4	674.7
516.0	12.5°	524.5	535.6	550.8	567.8	584.9	605.6	626.3	648.6	670.8	693.1
516.1	15°	520.2	529.0	545.9	565.6	585.3	609.2	633.1	657.2	681.3	704.6
508.3	17.5°	506.8	512.3	532.1	555.9	579.6	607.3	635.0	661.3	687.6	711.3
492.1	20°	485.1	486.5	509.6	539.1	568.5	602.0	635.6	664.5	693.5	718.0
470.7	22.5°	460.4	457.6	483.9	519.3	554.8	595.6	636.4	668.9	701.3	726.4
448.4	25°	436.5	428.9	455.9	497.3	538.8	589.2	639.7	676.8	713.8	738.4
427.0	27.5°	415.5	406.3	430.9	477.2	523.6	585.0	646.4	689.1	731.7	755.1
406.2	30°	397.1	389.9	410.5	460.4	510.3	583.0	655.7	705.0	754.3	776.9
386.4	32.5°	381.0	377.8	394.4	445.9	497.3	580.5	663.7	721.7	779.6	802.0
367.3	35°	365.8	367.1	381.0	431.6	482.3	575.9	669.6	740.6	811.6	833.1
348.2	37.5°	349.8	354.7	366.8	414.8	462.9	568.0	673.1	761.8	850.6	878.0
328.6	40°	332.4	339.8	350.8	394.8	438.8	557.0	675.3	788.8	902.3	942.2
308.9	42.5°	313.8	323.2	333.3	372.7	412.1	545.8	679.4	824.1	968.7	1026.3
290.5	45°	295.3	304.4	314.7	349.3	383.8	535.3	686.8	870.5	1054.2	1131.8
274.8	47.5°	278.8	286.7	299.9	330.7	361.4	526.6	691.8	919.9	1148.0	1257.4
260.8	50°	264.3	273.5	290.9	318.4	345.9	517.2	688.5	965.8	1243.1	1407.9
250.0	52.5°	253.5	266.3	286.3	310.2	334.2	501.2	668.3	995.6	1322.8	1565.9
242.2	55°	247.8	267.0	285.6	304.3	323.1	474.8	626.5	989.0	1351.5	1706.1
236.2	57.5°	244.3	267.7	284.1	297.4	310.6	437.6	564.5	942.8	1321.2	1805.4
230.6	60°	241.1	265.5	276.3	286.7	297.1	389.2	481.3	856.8	1232.4	1830.3
224.2	62.5°	237.3	259.9	261.3	268.2	275.1	331.3	387.5	740.6	1093.6	1725.7
215.4	65°	229.4	246.6	246.4	249.7	253.0	279.2	305.4	621.9	938.5	1577.8
203.5	67.5°	215.2	224.8	225.3	223.5	221.7	229.1	236.6	505.7	774.9	1401.8
188.9	70°	197.2	200.3	200.3	191.9	183.4	181.3	179.2	398.2	617.2	1209.8
171.4	72.5°	177.1	177.0	175.0	163.1	151.1	144.7	138.2	304.4	470.6	1001.6
149.9	75°	154.3	155.1	145.8	132.4	119.0	113.2	107.3	221.0	334.6	763.0
128.0	77.5°	131.5	131.9	116.6	103.6	90.6	86.6	82.6	149.7	216.8	534.0
102.6	80°	105.5	105.6	87.3	76.3	65.2	63.6	62.0	96.5	131.0	344.0
76.2	82.5°	77.6	76.7	61.1	53.0	44.9	44.6	44.3	59.3	74.4	199.1
49.5	85°	51.1	50.0	38.4	32.4	26.5	26.6	26.8	31.7	36.7	89.6
22.0	87.5°	22.6	21.1	16.3	13.9	11.4	11.6	11.7	13.2	14.6	29.3
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°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6
574.9	2.5°	577.1	579.3	582.4	585.5	587.4	589.2	590.1	591.1	590.6	591.1
618.2	5°	625.8	633.5	641.0	648.6	652.7	656.8	659.3	661.8	663.7	661.8
661.7	7.5°	674.1	686.5	697.6	708.8	715.5	722.2	725.8	729.4	731.2	729.4
695.1	10°	709.7	724.4	737.4	750.5	758.4	766.3	769.8	773.3	774.7	773.3
715.5	12.5°	731.4	747.2	759.0	770.8	776.6	782.3	784.2	786.2	786.4	786.2
727.9	15°	741.6	755.3	762.7	770.1	770.3	770.5	768.5	766.4	764.0	766.4
734.9	17.5°	744.1	753.4	753.5	753.6	745.3	737.0	729.4	721.8	716.4	721.8
742.6	20°	745.8	749.0	739.3	729.5	711.2	692.8	679.5	666.1	657.9	666.1
751.5	22.5°	747.3	743.0	722.8	702.7	675.7	648.7	632.0	615.3	606.2	615.3
763.0	25°	749.6	736.3	705.7	675.0	642.2	609.5	591.9	574.4	565.8	574.4
778.6	27.5°	754.7	730.9	690.3	649.7	613.4	577.1	559.8	542.5	534.4	542.5
799.6	30°	764.0	728.5	678.5	628.6	590.7	552.9	536.9	520.8	513.3	520.8
824.4	32.5°	775.7	727.1	670.5	614.0	578.4	542.9	530.3	517.7	512.3	517.7
854.6	35°	795.0	735.4	676.5	617.6	592.9	568.2	565.3	562.4	561.9	562.4
905.3	37.5°	835.3	765.2	711.6	658.1	656.5	654.9	668.3	681.7	688.7	681.7
982.1	40°	905.9	829.6	789.8	750.0	778.1	806.2	838.8	871.5	887.7	871.5
1083.8	42.5°	1008.2	932.6	909.7	886.7	948.0	1009.3	1068.7	1128.0	1162.8	1128.0
1209.5	45°	1141.6	1073.6	1063.5	1053.4	1151.6	1249.8	1347.3	1444.8	1504.0	1444.8
1366.6	47.5°	1300.6	1234.5	1232.4	1230.4	1372.0	1513.7	1656.4	1799.1	1882.9	1799.1
1572.6	50°	1491.0	1409.4	1409.7	1410.1	1592.7	1775.2	1963.6	2152.0	2265.9	2152.0
1809.1	52.5°	1710.2	1611.4	1601.4	1591.4	1809.5	2027.6	2260.7	2493.8	2630.3	2493.8
2060.8	55°	1963.1	1865.5	1826.5	1787.6	2030.3	2273.0	2550.9	2828.8	2991.2	2828.8
2289.7	57.5°	2236.6	2183.4	2105.2	2027.1	2272.2	2517.3	2832.0	3146.8	3348.1	3146.8
2428.1	60°	2510.7	2593.3	2496.3	2399.2	2631.2	2863.1	3200.1	3537.1	3754.7	3537.1
2357.8	62.5°	2583.5	2809.2	2798.3	2787.3	2999.8	3212.3	3532.9	3853.5	4054.7	3853.5
2217.2	65°	2429.0	2640.9	2682.8	2724.7	2994.7	3264.7	3575.6	3886.5	4057.8	3886.5
2028.8	67.5°	2230.2	2431.7	2451.4	2471.0	2752.3	3033.7	3345.9	3658.1	3792.3	3658.1
1802.4	70°	2021.5	2240.7	2249.4	2258.2	2509.8	2761.4	3030.1	3298.8	3373.4	3298.8
1532.6	72.5°	1784.1	2035.5	2041.9	2048.2	2245.0	2441.9	2643.1	2844.3	2851.9	2844.3
1191.3	75°	1451.6	1711.9	1735.2	1758.6	1911.7	2064.9	2206.5	2348.2	2310.2	2348.2
851.2	77.5°	1094.1	1337.1	1370.5	1404.0	1520.4	1636.8	1737.3	1837.8	1772.5	1837.8
557.1	80°	761.5	965.9	1007.4	1049.0	1136.9	1224.8	1277.6	1330.3	1225.4	1330.3
323.8	82.5°	463.6	603.3	649.7	696.2	756.7	817.2	839.2	861.2	778.8	861.2
142.5	85°	216.6	290.8	330.3	369.8	419.5	469.2	481.7	494.2	428.2	494.2
44.1	87.5°	69.0	94.0	116.0	138.0	162.9	187.8	188.8	189.9	159.4	189.9
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°
534.6	0°	534.6	534.6	534.6	534.6	534.6	534.6	534.6
590.1	2.5°	589.2	587.4	585.5	582.4	579.3	577.1	574.9
659.3	5°	656.8	652.7	648.6	641.0	633.5	625.8	618.2
725.8	7.5°	722.2	715.5	708.8	697.6	686.5	674.1	661.7
769.8	10°	766.3	758.4	750.5	737.4	724.4	709.7	695.1
784.2	12.5°	782.3	776.6	770.8	759.0	747.2	731.4	715.5
768.5	15°	770.5	770.3	770.1	762.7	755.3	741.6	727.9
729.4	17.5°	737.0	745.3	753.6	753.5	753.4	744.1	734.9
679.5	20°	692.8	711.2	729.5	739.3	749.0	745.8	742.6
632.0	22.5°	648.7	675.7	702.7	722.8	743.0	747.3	751.5
591.9	25°	609.5	642.2	675.0	705.7	736.3	749.6	763.0
559.8	27.5°	577.1	613.4	649.7	690.3	730.9	754.7	778.6
536.9	30°	552.9	590.7	628.6	678.5	728.5	764.0	799.6
530.3	32.5°	542.9	578.4	614.0	670.5	727.1	775.7	824.4
565.3	35°	568.2	592.9	617.6	676.5	735.4	795.0	854.6
668.3	37.5°	654.9	656.5	658.1	711.6	765.2	835.3	905.3
838.8	40°	806.2	778.1	750.0	789.8	829.6	905.9	982.1
1068.7	42.5°	1009.3	948.0	886.7	909.7	932.6	1008.2	1083.8
1347.3	45°	1249.8	1151.6	1053.4	1063.5	1073.6	1141.6	1209.5
1656.4	47.5°	1513.7	1372.0	1230.4	1232.4	1234.5	1300.6	1366.6
1963.6	50°	1775.2	1592.7	1410.1	1409.7	1409.4	1491.0	1572.6
2260.7	52.5°	2027.6	1809.5	1591.4	1601.4	1611.4	1710.2	1809.1
2550.9	55°	2273.0	2030.3	1787.6	1826.5	1865.5	1963.1	2060.8
2832.0	57.5°	2517.3	2272.2	2027.1	2105.2	2183.4	2236.6	2289.7
3200.1	60°	2863.1	2631.2	2399.2	2496.3	2593.3	2510.7	2428.1
3532.9	62.5°	3212.3	2999.8	2787.3	2798.3	2809.2	2583.5	2357.8
3575.6	65°	3264.7	2994.7	2724.7	2682.8	2640.9	2429.0	2217.2
3345.9	67.5°	3033.7	2752.3	2471.0	2451.4	2431.7	2230.2	2028.8
3030.1	70°	2761.4	2509.8	2258.2	2249.4	2240.7	2021.5	1802.4
2643.1	72.5°	2441.9	2245.0	2048.2	2041.9	2035.5	1784.1	1532.6
2206.5	75°	2064.9	1911.7	1758.6	1735.2	1711.9	1451.6	1191.3
1737.3	77.5°	1636.8	1520.4	1404.0	1370.5	1337.1	1094.1	851.2
1277.6	80°	1224.8	1136.9	1049.0	1007.4	965.9	761.5	557.1
839.2	82.5°	817.2	756.7	696.2	649.7	603.3	463.6	323.8
481.7	85°	469.2	419.5	369.8	330.3	290.8	216.6	142.5
188.8	87.5°	187.8	162.9	138.0	116.0	94.0	69.0	44.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)