

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: P945157

Luminaire Tested: **GALN-SB1A-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945157
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-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 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: 3240 lumens
Efficiency: N/A
Efficacy: 104.9 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

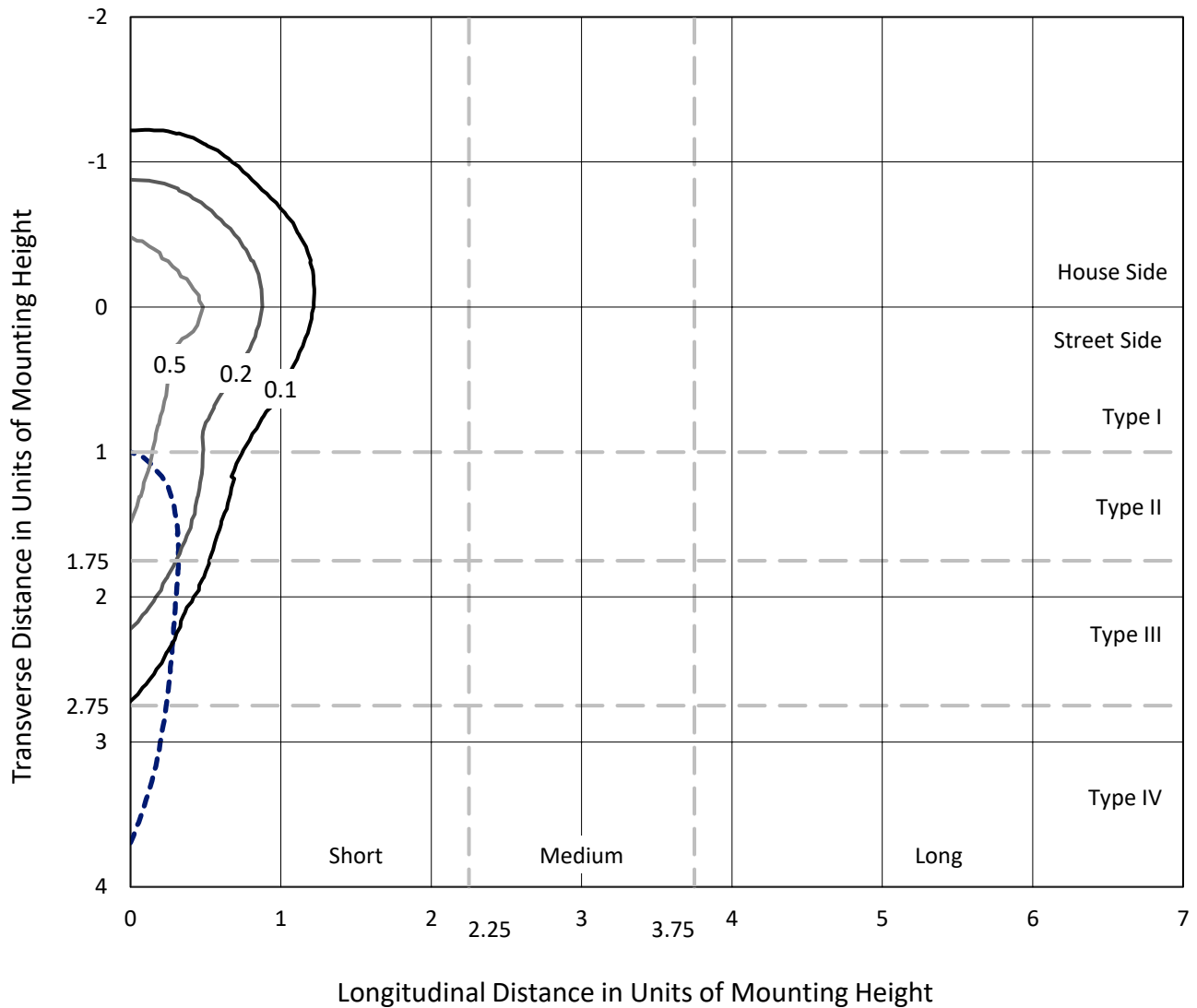
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

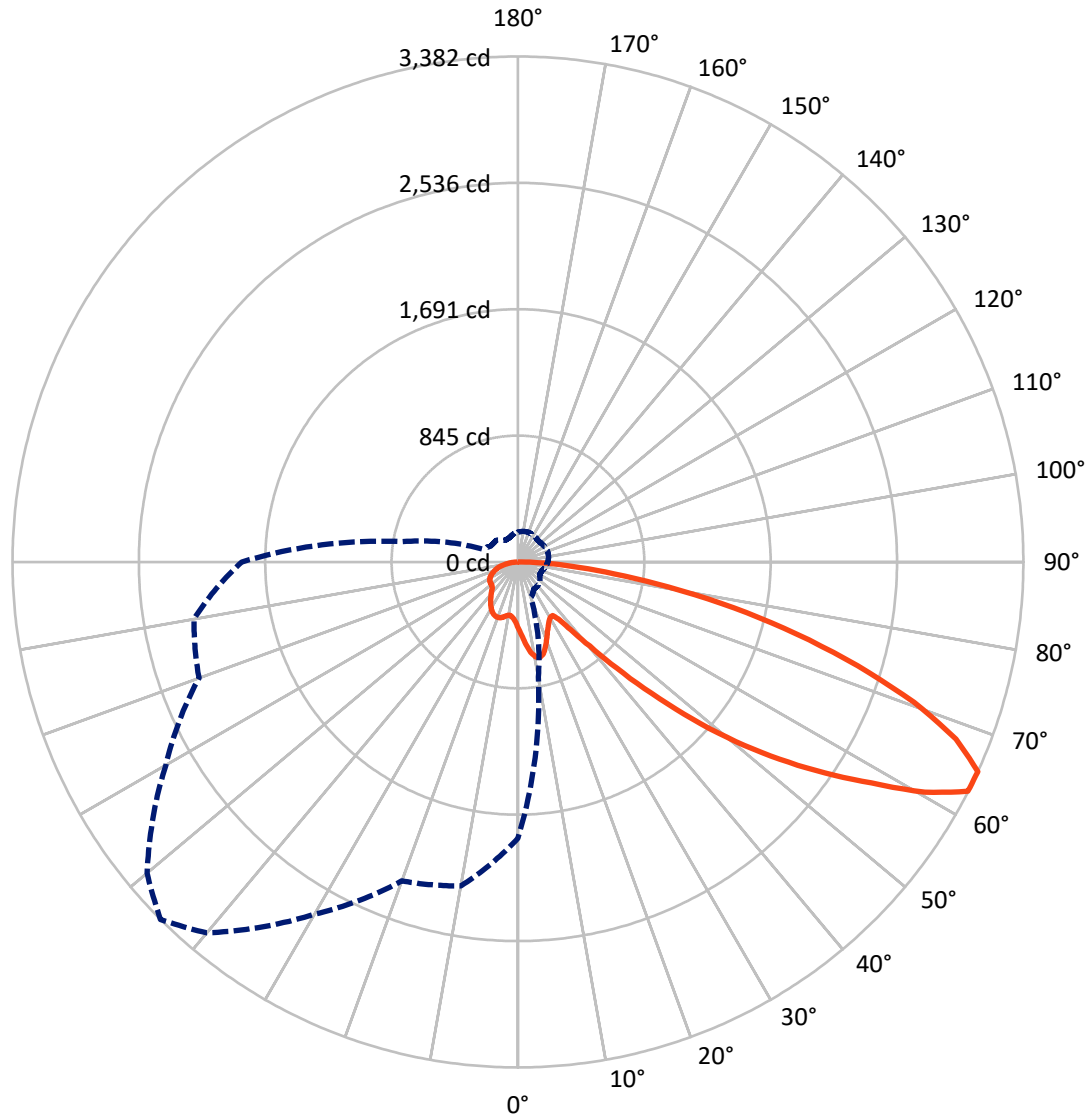
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.4	0.0	823.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	2416.6	0.0	2416.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	3240.0	0.0	3240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.4
10°-20°	138.7	4.3
20°-30°	214.3	6.6
30°-40°	271.6	8.4
40°-50°	409.6	12.6
50°-60°	661.8	20.4
60°-70°	825.0	25.5
70°-80°	541.0	16.7
80°-90°	133.8	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°	3240.0	100.0
0°-180°	3240.0	100.0

Coefficient of Utilization



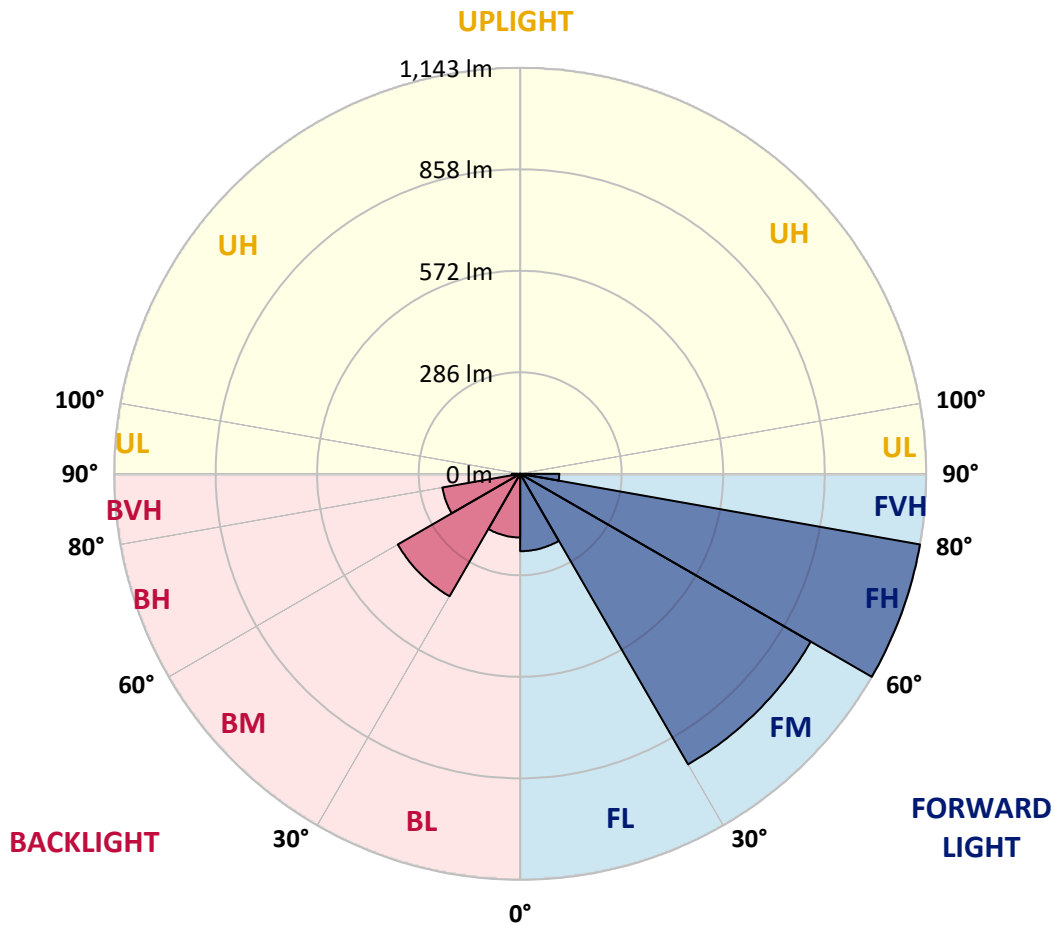
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.9	6.7			
FM (30°-60°)	945.0	29.2			
FH (60°-80°)	1143.4	35.3			G1/1800
FVH (80°-90°)	110.2	3.4			G2/225
BL (0°-30°)	179.3	5.5	B1/500		
BM (30°-60°)	397.9	12.3	B1/1000		
BH (60°-80°)	222.6	6.9	B1/500		G1/500
BVH (80°-90°)	23.6	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°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
2.5°	479.1	475.4	471.8	467.9	464.0	460.0	456.1	452.3	448.6	444.9
5°	515.2	507.1	499.0	490.9	482.8	474.6	466.5	458.9	451.3	444.1
7.5°	551.4	538.0	524.6	512.3	499.9	487.8	475.8	465.2	454.6	444.8
10°	579.2	562.3	545.3	529.0	512.6	498.0	483.3	470.8	458.2	446.1
12.5°	596.2	577.6	559.0	540.5	521.9	504.7	487.4	473.2	459.0	446.3
15°	606.6	587.2	567.8	547.7	527.6	507.7	487.8	471.3	454.9	440.8
17.5°	612.4	592.7	573.0	551.1	529.2	506.1	483.0	463.2	443.4	426.9
20°	618.8	598.4	577.9	553.8	529.7	501.7	473.7	449.2	424.7	405.4
22.5°	626.2	605.3	584.4	557.4	530.4	496.3	462.3	432.8	403.3	381.3
25°	635.8	615.3	594.9	564.0	533.1	491.0	449.0	414.4	379.9	357.4
27.5°	648.8	629.3	609.7	574.2	538.7	487.5	436.3	397.7	359.1	338.6
30°	666.3	647.5	628.6	587.5	546.4	485.8	425.2	383.7	342.1	324.9
32.5°	687.0	668.3	649.7	601.4	553.1	483.8	414.4	371.6	328.7	314.8
35°	712.1	694.3	676.4	617.2	558.0	479.9	401.9	359.7	317.5	305.9
37.5°	754.5	731.7	708.8	634.9	560.9	473.3	385.7	345.7	305.7	295.6
40°	818.4	785.2	751.9	657.3	562.7	464.2	365.7	329.0	292.3	283.2
42.5°	903.2	855.2	807.3	686.7	566.2	454.8	343.4	310.6	277.8	269.4
45°	1007.9	943.2	878.5	725.4	572.3	446.1	319.8	291.0	262.3	253.7
47.5°	1138.9	1047.8	956.7	766.6	576.5	438.8	301.2	275.6	249.9	238.9
50°	1310.5	1173.2	1035.9	804.8	573.7	431.0	288.2	265.3	242.4	227.9
52.5°	1507.5	1305.0	1102.4	829.6	556.9	417.7	278.5	258.5	238.6	221.9
55°	1717.3	1421.8	1126.2	824.2	522.1	395.7	269.2	253.6	238.0	222.5
57.5°	1908.1	1504.5	1101.0	785.7	470.4	364.6	258.8	247.8	236.8	223.1
60°	2023.4	1525.2	1027.0	714.0	401.0	324.3	247.6	238.9	230.3	221.2
62.5°	1964.9	1438.1	911.4	617.1	322.9	276.1	229.2	223.5	217.7	216.6
65°	1847.7	1314.9	782.1	518.3	254.5	232.7	210.8	208.1	205.4	205.5
67.5°	1690.6	1168.2	645.8	421.5	197.2	190.9	184.7	186.2	187.8	187.4
70°	1502.0	1008.2	514.3	331.8	149.3	151.1	152.9	159.9	166.9	166.9
72.5°	1277.2	834.7	392.2	253.7	115.2	120.5	125.9	135.9	145.9	147.5
75°	992.8	635.8	278.8	184.1	89.4	94.3	99.2	110.3	121.5	129.2
77.5°	709.3	445.0	180.7	124.8	68.9	72.2	75.5	86.3	97.2	109.9
80°	464.2	286.7	109.2	80.4	51.6	53.0	54.4	63.6	72.7	88.0
82.5°	269.9	165.9	62.0	49.4	36.9	37.1	37.4	44.2	50.9	63.9
85°	118.7	74.6	30.6	26.4	22.3	22.2	22.1	27.0	32.0	41.6
87.5°	36.8	24.4	12.1	11.0	9.8	9.7	9.5	11.6	13.6	17.6
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°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
440.9	2.5°	437.6	434.3	431.4	428.4	425.9	423.3	420.7	418.1	416.1	414.1
437.0	5°	430.8	424.6	419.4	414.2	409.6	405.0	400.9	396.7	393.5	390.3
435.6	7.5°	427.3	419.1	412.3	405.4	399.7	393.9	388.8	383.7	379.9	376.1
436.3	10°	427.6	418.9	412.1	405.2	399.0	392.8	387.1	381.3	376.8	372.2
437.1	12.5°	430.0	422.9	418.4	413.9	409.0	404.1	398.2	392.3	386.5	380.6
433.5	15°	430.1	426.7	427.3	427.9	426.7	425.4	420.2	415.1	406.8	398.5
422.4	17.5°	423.6	424.8	432.3	439.7	443.7	447.7	443.5	439.4	428.4	417.5
404.2	20°	410.1	415.9	428.8	441.8	450.1	458.4	456.4	454.5	442.0	429.5
383.7	22.5°	392.3	400.9	415.6	430.4	441.2	452.0	453.2	454.3	442.4	430.4
363.7	25°	373.6	383.6	396.8	410.1	420.8	431.4	435.3	439.3	429.5	419.7
346.3	27.5°	355.9	365.4	376.4	387.3	395.8	404.3	408.7	413.1	406.1	399.2
330.9	30°	338.5	346.2	355.2	364.3	371.3	378.4	382.0	385.6	380.3	375.0
317.5	32.5°	322.0	326.5	333.7	341.0	347.8	354.5	358.5	362.5	357.6	352.7
304.8	35°	306.1	307.3	312.8	318.3	325.0	331.8	336.5	341.3	337.8	334.4
291.5	37.5°	290.2	288.8	292.8	296.7	303.4	310.1	316.0	321.9	320.3	318.7
277.0	40°	273.9	270.8	273.6	276.5	282.9	289.4	296.2	303.0	303.4	303.8
261.5	42.5°	257.4	253.3	255.6	257.9	264.1	270.2	277.6	284.9	286.9	288.8
246.1	45°	242.1	238.1	240.1	242.0	247.9	253.7	261.3	268.9	271.7	274.6
232.4	47.5°	229.0	225.7	227.5	229.3	235.0	240.7	248.2	255.8	259.0	262.3
220.3	50°	217.3	214.4	217.2	220.1	225.5	230.8	237.6	244.3	248.5	252.6
211.3	52.5°	208.3	205.4	209.7	214.0	219.0	223.9	230.1	236.4	241.4	246.3
206.5	55°	201.8	197.2	203.3	209.5	214.8	220.1	225.6	231.1	236.3	241.5
203.6	57.5°	196.8	190.1	196.7	203.3	209.5	215.7	221.2	226.6	231.9	237.2
200.9	60°	192.1	183.4	189.2	194.9	202.1	209.2	214.7	220.3	225.6	230.9
197.8	62.5°	186.8	175.8	179.5	183.2	191.5	199.9	205.8	211.7	216.5	221.4
191.1	65°	179.5	167.8	169.2	170.6	179.5	188.5	194.1	199.8	204.0	208.3
179.3	67.5°	169.6	159.9	159.4	159.0	167.2	175.5	180.8	186.2	189.9	193.6
164.3	70°	157.4	150.5	148.9	147.4	154.7	161.9	166.5	171.1	174.5	177.8
147.6	72.5°	142.8	138.1	135.8	133.6	139.3	145.0	149.2	153.4	156.6	159.9
128.6	75°	125.0	121.3	119.1	117.0	121.2	125.5	129.2	133.0	136.0	139.0
109.6	77.5°	106.7	103.7	101.6	99.4	102.8	106.3	109.5	112.7	115.9	119.0
87.9	80°	85.5	83.0	81.2	79.3	82.2	85.1	87.8	90.5	92.9	95.3
64.7	82.5°	63.5	62.3	61.0	59.7	59.4	59.2	58.2	57.3	62.3	67.4
42.6	85°	41.3	40.0	38.6	37.1	35.9	34.6	32.0	29.3	34.1	38.8
18.8	87.5°	18.3	17.8	17.5	17.2	17.2	17.1	15.1	13.1	15.1	17.1
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°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
412.4	2.5°	410.8	409.6	408.3	407.1	406.0	404.5	406.0	407.1	408.3	409.6
388.1	5°	385.8	384.2	382.6	381.4	380.2	379.0	380.2	381.4	382.6	384.2
373.5	7.5°	370.8	369.0	367.1	366.0	365.0	364.1	365.0	366.0	367.1	369.0
369.2	10°	366.2	364.5	362.8	361.9	360.9	360.6	360.9	361.9	362.8	364.5
376.8	12.5°	373.0	371.0	369.1	368.3	367.5	367.4	367.5	368.3	369.1	371.0
392.7	15°	386.9	384.2	381.5	380.5	379.5	379.4	379.5	380.5	381.5	384.2
408.8	17.5°	400.2	396.3	392.3	391.0	389.7	389.5	389.7	391.0	392.3	396.3
418.9	20°	408.3	403.3	398.2	396.5	394.9	394.4	394.9	396.5	398.2	403.3
419.5	22.5°	408.6	403.3	397.9	396.1	394.3	393.6	394.3	396.1	397.9	403.3
410.0	25°	400.4	395.7	391.1	389.4	387.7	386.7	387.7	389.4	391.1	395.7
391.7	27.5°	384.2	381.0	377.9	377.1	376.4	376.1	376.4	377.1	377.9	381.0
369.6	30°	364.2	362.6	361.0	361.0	361.0	361.2	361.0	361.0	361.0	362.6
348.4	32.5°	344.1	343.1	342.1	342.2	342.4	342.6	342.4	342.2	342.1	343.1
330.4	35°	326.5	324.9	323.3	322.9	322.6	322.4	322.6	322.9	323.3	324.9
315.1	37.5°	311.4	308.5	305.6	304.1	302.6	301.7	302.6	304.1	305.6	308.5
300.7	40°	297.6	293.4	289.2	286.4	283.6	281.9	283.6	286.4	289.2	293.4
286.2	42.5°	283.6	278.4	273.2	269.1	265.0	262.3	265.0	269.1	273.2	278.4
272.2	45°	269.9	263.9	257.9	253.1	248.3	245.2	248.3	253.1	257.9	263.9
260.6	47.5°	259.0	253.7	248.4	243.9	239.4	236.4	239.4	243.9	248.4	253.7
252.5	50°	252.5	248.2	244.0	239.9	235.7	232.9	235.7	239.9	244.0	248.2
247.2	52.5°	248.1	244.6	241.2	237.5	233.8	231.1	233.8	237.5	241.2	244.6
242.8	55°	244.0	241.0	238.0	234.7	231.5	229.1	231.5	234.7	238.0	241.0
238.4	57.5°	239.7	236.6	233.6	230.4	227.1	224.6	227.1	230.4	233.6	236.6
232.3	60°	233.6	230.6	227.7	224.4	221.1	218.5	221.1	224.4	227.7	230.6
222.7	62.5°	224.0	221.3	218.6	215.1	211.7	208.6	211.7	215.1	218.6	221.3
209.7	65°	211.0	208.4	205.8	202.5	199.1	196.4	199.1	202.5	205.8	208.4
194.9	67.5°	196.2	193.8	191.4	188.3	185.2	182.8	185.2	188.3	191.4	193.8
179.1	70°	180.3	178.4	176.5	173.5	170.4	167.7	170.4	173.5	176.5	178.4
161.4	72.5°	162.9	161.3	159.7	156.8	154.0	151.3	154.0	156.8	159.7	161.3
140.5	75°	142.1	141.3	140.5	138.1	135.7	133.2	135.7	138.1	140.5	141.3
120.5	77.5°	121.9	120.8	119.7	117.3	114.9	112.8	114.9	117.3	119.7	120.8
97.2	80°	99.2	98.7	98.2	95.0	91.7	87.9	91.7	95.0	98.2	98.7
70.7	82.5°	74.0	73.8	73.6	70.8	68.1	65.6	68.1	70.8	73.6	73.8
42.9	85°	47.0	46.7	46.3	44.2	42.0	39.8	42.0	44.2	46.3	46.7
18.7	87.5°	20.4	20.0	19.5	18.4	17.3	16.2	17.3	18.4	19.5	20.0
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°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
410.8	2.5°	412.4	414.1	416.1	418.1	420.7	423.3	425.9	428.4	431.4	434.3
385.8	5°	388.1	390.3	393.5	396.7	400.9	405.0	409.6	414.2	419.4	424.6
370.8	7.5°	373.5	376.1	379.9	383.7	388.8	393.9	399.7	405.4	412.3	419.1
366.2	10°	369.2	372.2	376.8	381.3	387.1	392.8	399.0	405.2	412.1	418.9
373.0	12.5°	376.8	380.6	386.5	392.3	398.2	404.1	409.0	413.9	418.4	422.9
386.9	15°	392.7	398.5	406.8	415.1	420.2	425.4	426.7	427.9	427.3	426.7
400.2	17.5°	408.8	417.5	428.4	439.4	443.5	447.7	443.7	439.7	432.3	424.8
408.3	20°	418.9	429.5	442.0	454.5	456.4	458.4	450.1	441.8	428.8	415.9
408.6	22.5°	419.5	430.4	442.4	454.3	453.2	452.0	441.2	430.4	415.6	400.9
400.4	25°	410.0	419.7	429.5	439.3	435.3	431.4	420.8	410.1	396.8	383.6
384.2	27.5°	391.7	399.2	406.1	413.1	408.7	404.3	395.8	387.3	376.4	365.4
364.2	30°	369.6	375.0	380.3	385.6	382.0	378.4	371.3	364.3	355.2	346.2
344.1	32.5°	348.4	352.7	357.6	362.5	358.5	354.5	347.8	341.0	333.7	326.5
326.5	35°	330.4	334.4	337.8	341.3	336.5	331.8	325.0	318.3	312.8	307.3
311.4	37.5°	315.1	318.7	320.3	321.9	316.0	310.1	303.4	296.7	292.8	288.8
297.6	40°	300.7	303.8	303.4	303.0	296.2	289.4	282.9	276.5	273.6	270.8
283.6	42.5°	286.2	288.8	286.9	284.9	277.6	270.2	264.1	257.9	255.6	253.3
269.9	45°	272.2	274.6	271.7	268.9	261.3	253.7	247.9	242.0	240.1	238.1
259.0	47.5°	260.6	262.3	259.0	255.8	248.2	240.7	235.0	229.3	227.5	225.7
252.5	50°	252.5	252.6	248.5	244.3	237.6	230.8	225.5	220.1	217.2	214.4
248.1	52.5°	247.2	246.3	241.4	236.4	230.1	223.9	219.0	214.0	209.7	205.4
244.0	55°	242.8	241.5	236.3	231.1	225.6	220.1	214.8	209.5	203.3	197.2
239.7	57.5°	238.4	237.2	231.9	226.6	221.2	215.7	209.5	203.3	196.7	190.1
233.6	60°	232.3	230.9	225.6	220.3	214.7	209.2	202.1	194.9	189.2	183.4
224.0	62.5°	222.7	221.4	216.5	211.7	205.8	199.9	191.5	183.2	179.5	175.8
211.0	65°	209.7	208.3	204.0	199.8	194.1	188.5	179.5	170.6	169.2	167.8
196.2	67.5°	194.9	193.6	189.9	186.2	180.8	175.5	167.2	159.0	159.4	159.9
180.3	70°	179.1	177.8	174.5	171.1	166.5	161.9	154.7	147.4	148.9	150.5
162.9	72.5°	161.4	159.9	156.6	153.4	149.2	145.0	139.3	133.6	135.8	138.1
142.1	75°	140.5	139.0	136.0	133.0	129.2	125.5	121.2	117.0	119.1	121.3
121.9	77.5°	120.5	119.0	115.9	112.7	109.5	106.3	102.8	99.4	101.6	103.7
99.2	80°	97.2	95.3	92.9	90.5	87.8	85.1	82.2	79.3	81.2	83.0
74.0	82.5°	70.7	67.4	62.3	57.3	58.2	59.2	59.4	59.7	61.0	62.3
47.0	85°	42.9	38.8	34.1	29.3	32.0	34.6	35.9	37.1	38.6	40.0
20.4	87.5°	18.7	17.1	15.1	13.1	15.1	17.1	17.2	17.2	17.5	17.8
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°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
437.6	2.5°	440.9	444.9	448.6	452.3	456.1	460.0	464.0	467.9	471.8	475.4
430.8	5°	437.0	444.1	451.3	458.9	466.5	474.6	482.8	490.9	499.0	507.1
427.3	7.5°	435.6	444.8	454.6	465.2	475.8	487.8	499.9	512.3	524.6	538.0
427.6	10°	436.3	446.1	458.2	470.8	483.3	498.0	512.6	529.0	545.3	562.3
430.0	12.5°	437.1	446.3	459.0	473.2	487.4	504.7	521.9	540.5	559.0	577.6
430.1	15°	433.5	440.8	454.9	471.3	487.8	507.7	527.6	547.7	567.8	587.2
423.6	17.5°	422.4	426.9	443.4	463.2	483.0	506.1	529.2	551.1	573.0	592.7
410.1	20°	404.2	405.4	424.7	449.2	473.7	501.7	529.7	553.8	577.9	598.4
392.3	22.5°	383.7	381.3	403.3	432.8	462.3	496.3	530.4	557.4	584.4	605.3
373.6	25°	363.7	357.4	379.9	414.4	449.0	491.0	533.1	564.0	594.9	615.3
355.9	27.5°	346.3	338.6	359.1	397.7	436.3	487.5	538.7	574.2	609.7	629.3
338.5	30°	330.9	324.9	342.1	383.7	425.2	485.8	546.4	587.5	628.6	647.5
322.0	32.5°	317.5	314.8	328.7	371.6	414.4	483.8	553.1	601.4	649.7	668.3
306.1	35°	304.8	305.9	317.5	359.7	401.9	479.9	558.0	617.2	676.4	694.3
290.2	37.5°	291.5	295.6	305.7	345.7	385.7	473.3	560.9	634.9	708.8	731.7
273.9	40°	277.0	283.2	292.3	329.0	365.7	464.2	562.7	657.3	751.9	785.2
257.4	42.5°	261.5	269.4	277.8	310.6	343.4	454.8	566.2	686.7	807.3	855.2
242.1	45°	246.1	253.7	262.3	291.0	319.8	446.1	572.3	725.4	878.5	943.2
229.0	47.5°	232.4	238.9	249.9	275.6	301.2	438.8	576.5	766.6	956.7	1047.8
217.3	50°	220.3	227.9	242.4	265.3	288.2	431.0	573.7	804.8	1035.9	1173.2
208.3	52.5°	211.3	221.9	238.6	258.5	278.5	417.7	556.9	829.6	1102.4	1305.0
201.8	55°	206.5	222.5	238.0	253.6	269.2	395.7	522.1	824.2	1126.2	1421.8
196.8	57.5°	203.6	223.1	236.8	247.8	258.8	364.6	470.4	785.7	1101.0	1504.5
192.1	60°	200.9	221.2	230.3	238.9	247.6	324.3	401.0	714.0	1027.0	1525.2
186.8	62.5°	197.8	216.6	217.7	223.5	229.2	276.1	322.9	617.1	911.4	1438.1
179.5	65°	191.1	205.5	205.4	208.1	210.8	232.7	254.5	518.3	782.1	1314.9
169.6	67.5°	179.3	187.4	187.8	186.2	184.7	190.9	197.2	421.5	645.8	1168.2
157.4	70°	164.3	166.9	166.9	159.9	152.9	151.1	149.3	331.8	514.3	1008.2
142.8	72.5°	147.6	147.5	145.9	135.9	125.9	120.5	115.2	253.7	392.2	834.7
125.0	75°	128.6	129.2	121.5	110.3	99.2	94.3	89.4	184.1	278.8	635.8
106.7	77.5°	109.6	109.9	97.2	86.3	75.5	72.2	68.9	124.8	180.7	445.0
85.5	80°	87.9	88.0	72.7	63.6	54.4	53.0	51.6	80.4	109.2	286.7
63.5	82.5°	64.7	63.9	50.9	44.2	37.4	37.1	36.9	49.4	62.0	165.9
41.3	85°	42.6	41.6	32.0	27.0	22.1	22.2	22.3	26.4	30.6	74.6
18.3	87.5°	18.8	17.6	13.6	11.6	9.5	9.7	9.8	11.0	12.1	24.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5	445.5
479.1	2.5°	480.9	482.8	485.3	487.9	489.5	491.0	491.8	492.5	492.2	492.5
515.2	5°	521.5	527.9	534.2	540.5	543.9	547.3	549.4	551.5	553.1	551.5
551.4	7.5°	561.8	572.1	581.4	590.6	596.2	601.8	604.8	607.9	609.3	607.9
579.2	10°	591.4	603.6	614.5	625.4	632.0	638.6	641.5	644.4	645.6	644.4
596.2	12.5°	609.5	622.7	632.5	642.3	647.1	651.9	653.5	655.1	655.3	655.1
606.6	15°	618.0	629.4	635.6	641.8	641.9	642.1	640.4	638.7	636.7	638.7
612.4	17.5°	620.1	627.8	627.9	628.0	621.1	614.2	607.8	601.5	597.0	601.5
618.8	20°	621.5	624.2	616.1	607.9	592.7	577.4	566.2	555.1	548.3	555.1
626.2	22.5°	622.7	619.2	602.4	585.5	563.1	540.6	526.7	512.8	505.2	512.8
635.8	25°	624.7	613.6	588.0	562.5	535.2	507.9	493.3	478.7	471.5	478.7
648.8	27.5°	628.9	609.1	575.2	541.4	511.1	480.9	466.5	452.1	445.4	452.1
666.3	30°	636.7	607.1	565.4	523.8	492.3	460.7	447.4	434.0	427.7	434.0
687.0	32.5°	646.4	605.9	558.8	511.7	482.0	452.4	441.9	431.4	426.9	431.4
712.1	35°	662.5	612.9	563.8	514.7	494.1	473.5	471.1	468.6	468.3	468.6
754.5	37.5°	696.1	637.7	593.0	548.4	547.1	545.7	556.9	568.1	573.9	568.1
818.4	40°	754.9	691.4	658.2	625.0	648.4	671.8	699.0	726.2	739.8	726.2
903.2	42.5°	840.2	777.2	758.0	738.9	790.0	841.1	890.5	940.0	969.0	940.0
1007.9	45°	951.3	894.7	886.3	877.8	959.6	1041.5	1122.7	1204.0	1253.3	1204.0
1138.9	47.5°	1083.8	1028.7	1027.0	1025.3	1143.4	1261.4	1380.3	1499.3	1569.1	1499.3
1310.5	50°	1242.5	1174.5	1174.8	1175.1	1327.2	1479.4	1636.4	1793.4	1888.3	1793.4
1507.5	52.5°	1425.2	1342.8	1334.5	1326.2	1507.9	1689.7	1883.9	2078.1	2191.9	2078.1
1717.3	55°	1635.9	1554.6	1522.1	1489.6	1691.9	1894.2	2125.7	2357.3	2492.6	2357.3
1908.1	57.5°	1863.8	1819.5	1754.3	1689.2	1893.5	2097.7	2360.0	2622.3	2790.1	2622.3
2023.4	60°	2092.3	2161.1	2080.2	1999.4	2192.7	2386.0	2666.8	2947.6	3129.0	2947.6
1964.9	62.5°	2152.9	2341.0	2331.9	2322.8	2499.8	2676.9	2944.1	3211.3	3378.9	3211.3
1847.7	65°	2024.2	2200.7	2235.6	2270.6	2495.6	2720.6	2979.7	3238.7	3381.5	3238.7
1690.6	67.5°	1858.5	2026.4	2042.8	2059.2	2293.6	2528.1	2788.2	3048.4	3160.2	3048.4
1502.0	70°	1684.6	1867.2	1874.5	1881.9	2091.5	2301.2	2525.1	2749.0	2811.1	2749.0
1277.2	72.5°	1486.7	1696.3	1701.6	1706.8	1870.8	2034.9	2202.6	2370.3	2376.5	2370.3
992.8	75°	1209.7	1426.5	1446.0	1465.5	1593.1	1720.7	1838.8	1956.8	1925.2	1956.8
709.3	77.5°	911.8	1114.2	1142.1	1170.0	1267.0	1364.0	1447.7	1531.5	1477.1	1531.5
464.2	80°	634.6	804.9	839.5	874.2	947.4	1020.7	1064.7	1108.6	1021.2	1108.6
269.9	82.5°	386.3	502.8	541.5	580.2	630.6	681.0	699.4	717.7	649.0	717.7
118.7	85°	180.5	242.3	275.2	308.2	349.6	391.0	401.4	411.8	356.8	411.8
36.8	87.5°	57.5	78.3	96.7	115.0	135.7	156.5	157.4	158.2	132.8	158.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
445.5	0°	445.5	445.5	445.5	445.5	445.5	445.5	445.5
491.8	2.5°	491.0	489.5	487.9	485.3	482.8	480.9	479.1
549.4	5°	547.3	543.9	540.5	534.2	527.9	521.5	515.2
604.8	7.5°	601.8	596.2	590.6	581.4	572.1	561.8	551.4
641.5	10°	638.6	632.0	625.4	614.5	603.6	591.4	579.2
653.5	12.5°	651.9	647.1	642.3	632.5	622.7	609.5	596.2
640.4	15°	642.1	641.9	641.8	635.6	629.4	618.0	606.6
607.8	17.5°	614.2	621.1	628.0	627.9	627.8	620.1	612.4
566.2	20°	577.4	592.7	607.9	616.1	624.2	621.5	618.8
526.7	22.5°	540.6	563.1	585.5	602.4	619.2	622.7	626.2
493.3	25°	507.9	535.2	562.5	588.0	613.6	624.7	635.8
466.5	27.5°	480.9	511.1	541.4	575.2	609.1	628.9	648.8
447.4	30°	460.7	492.3	523.8	565.4	607.1	636.7	666.3
441.9	32.5°	452.4	482.0	511.7	558.8	605.9	646.4	687.0
471.1	35°	473.5	494.1	514.7	563.8	612.9	662.5	712.1
556.9	37.5°	545.7	547.1	548.4	593.0	637.7	696.1	754.5
699.0	40°	671.8	648.4	625.0	658.2	691.4	754.9	818.4
890.5	42.5°	841.1	790.0	738.9	758.0	777.2	840.2	903.2
1122.7	45°	1041.5	959.6	877.8	886.3	894.7	951.3	1007.9
1380.3	47.5°	1261.4	1143.4	1025.3	1027.0	1028.7	1083.8	1138.9
1636.4	50°	1479.4	1327.2	1175.1	1174.8	1174.5	1242.5	1310.5
1883.9	52.5°	1689.7	1507.9	1326.2	1334.5	1342.8	1425.2	1507.5
2125.7	55°	1894.2	1691.9	1489.6	1522.1	1554.6	1635.9	1717.3
2360.0	57.5°	2097.7	1893.5	1689.2	1754.3	1819.5	1863.8	1908.1
2666.8	60°	2386.0	2192.7	1999.4	2080.2	2161.1	2092.3	2023.4
2944.1	62.5°	2676.9	2499.8	2322.8	2331.9	2341.0	2152.9	1964.9
2979.7	65°	2720.6	2495.6	2270.6	2235.6	2200.7	2024.2	1847.7
2788.2	67.5°	2528.1	2293.6	2059.2	2042.8	2026.4	1858.5	1690.6
2525.1	70°	2301.2	2091.5	1881.9	1874.5	1867.2	1684.6	1502.0
2202.6	72.5°	2034.9	1870.8	1706.8	1701.6	1696.3	1486.7	1277.2
1838.8	75°	1720.7	1593.1	1465.5	1446.0	1426.5	1209.7	992.8
1447.7	77.5°	1364.0	1267.0	1170.0	1142.1	1114.2	911.8	709.3
1064.7	80°	1020.7	947.4	874.2	839.5	804.9	634.6	464.2
699.4	82.5°	681.0	630.6	580.2	541.5	502.8	386.3	269.9
401.4	85°	391.0	349.6	308.2	275.2	242.3	180.5	118.7
157.4	87.5°	156.5	135.7	115.0	96.7	78.3	57.5	36.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)