

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: INVUE

Report Number: P141546

Luminaire Tested: **ECM-F01-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141546
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-F01-LED-E1-SLR-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.5 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

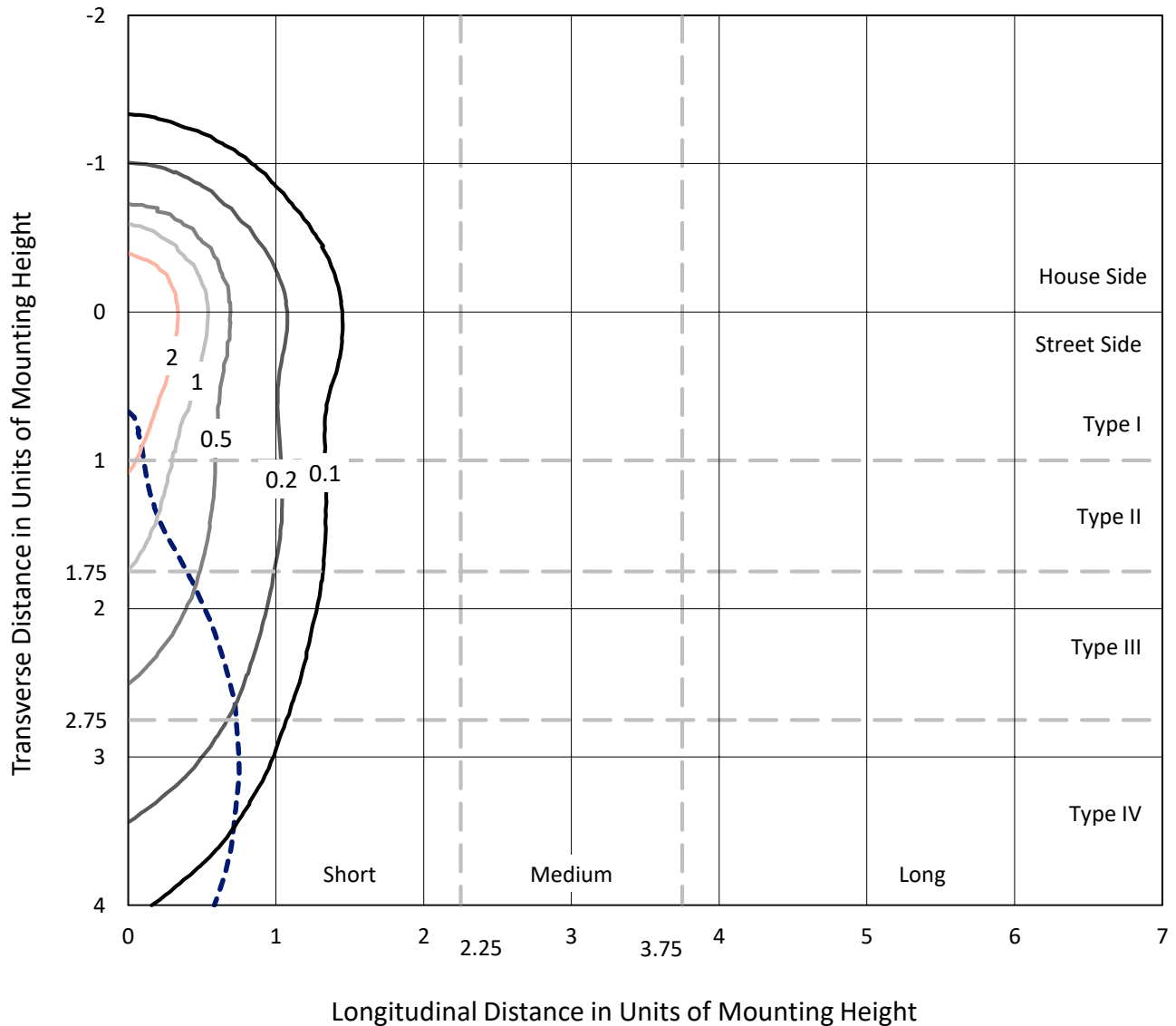
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

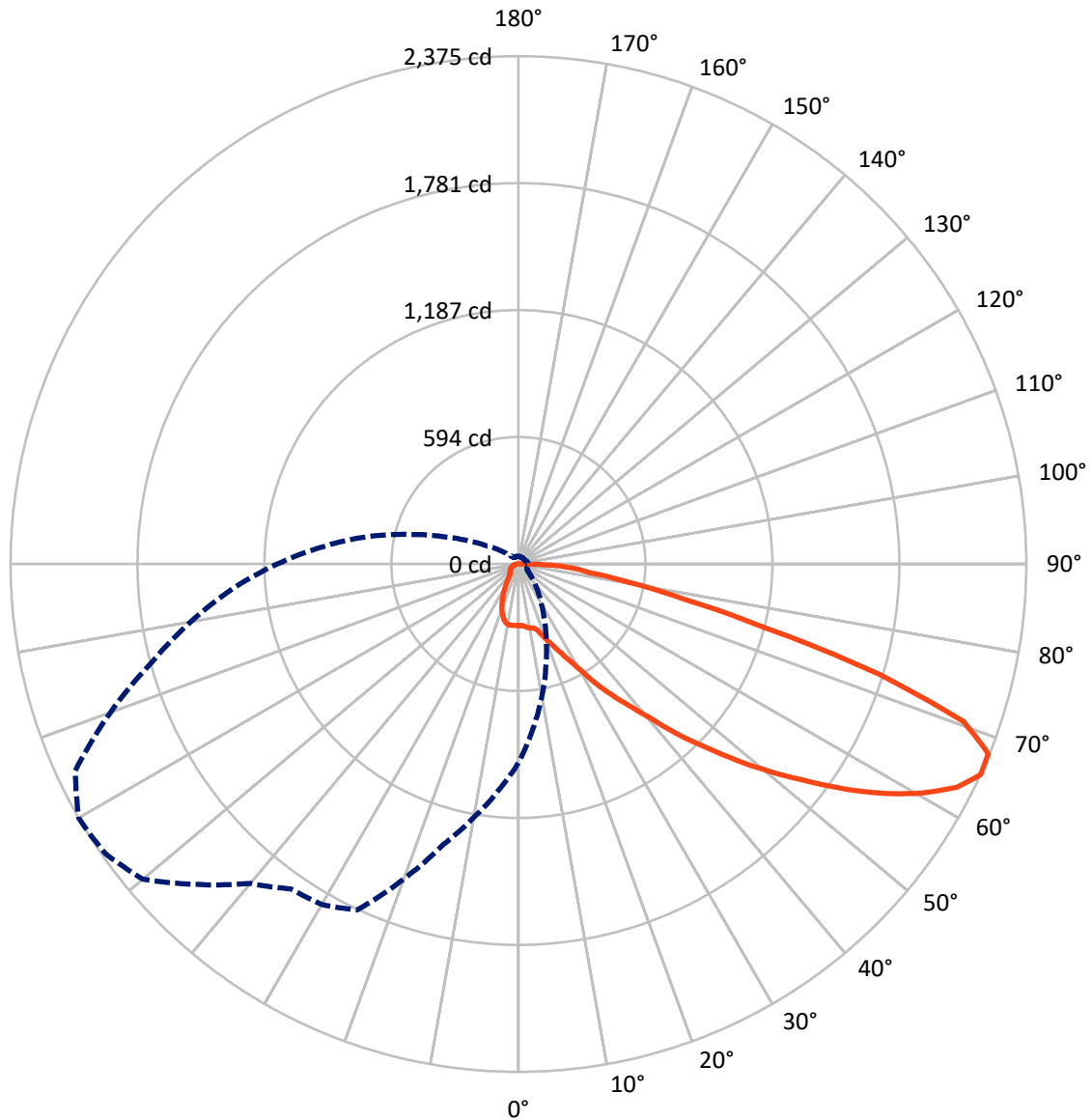
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.9	0.0	410.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	1804.6	0.0	1804.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	2215.5	0.0	2215.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	1.3
10°-20°	83.7	3.8
20°-30°	139.0	6.3
30°-40°	203.3	9.2
40°-50°	309.2	14.0
50°-60°	444.4	20.1
60°-70°	546.4	24.7
70°-80°	365.5	16.5
80°-90°	96.2	4.3
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°	2215.5	100.0
0°-180°	2215.5	100.0



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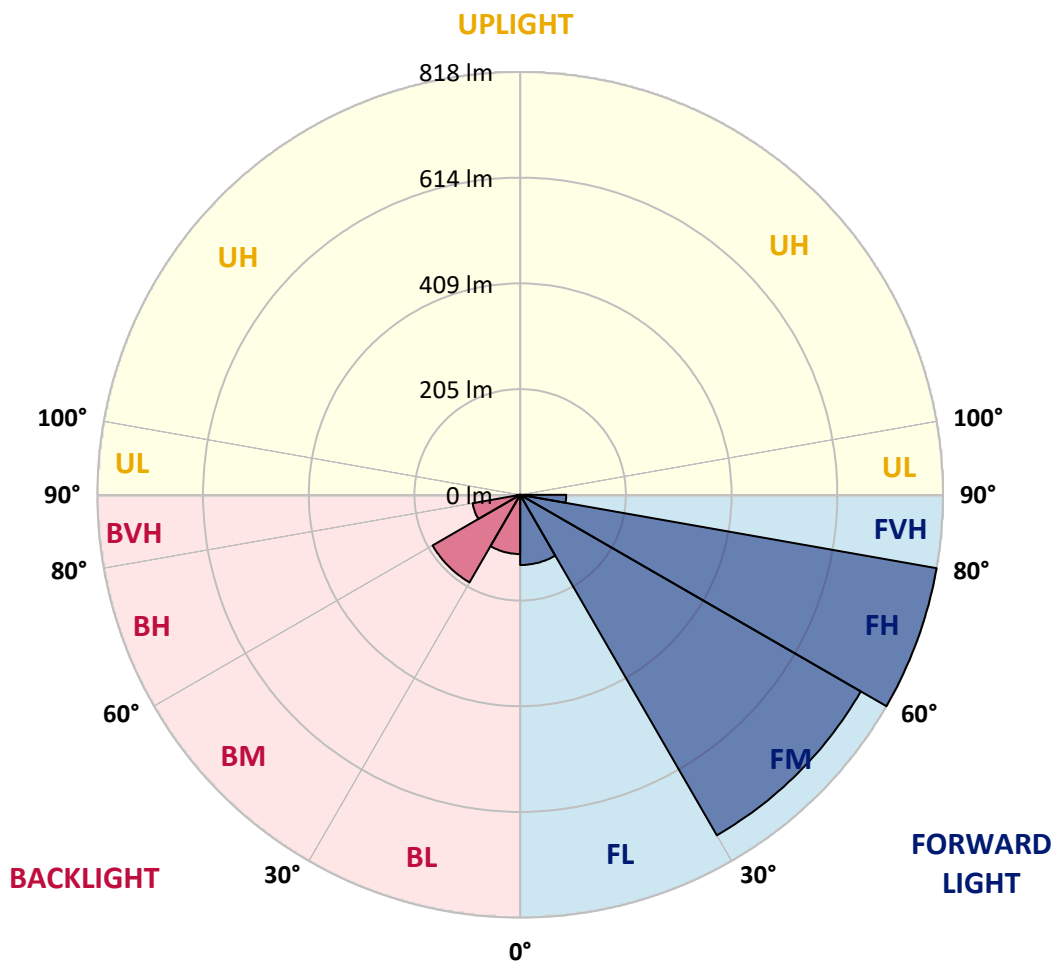
CATALOG NUMBER: ECM-F01-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.9	6.1			
FM	(30°-60°)	761.1	34.4			
FH	(60°-80°)	818.4	36.9			G1/1800
FVH	(80°-90°)	89.2	4.0			G1/100
BL	(0°-30°)	114.7	5.2	B1/500		
BM	(30°-60°)	195.7	8.8	B0/220		
BH	(60°-80°)	93.5	4.2	B0/110		G0/110
BVH	(80°-90°)	7.0	0.3			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	288.3	289.1	289.1	288.6	288.3	288.6	288.9	288.6	288.9	289.4	289.1
5°	284.6	285.2	285.5	285.5	285.5	286.0	286.9	286.6	287.4	288.0	288.0
7.5°	275.9	277.0	277.0	277.3	277.8	278.7	280.1	280.7	282.1	284.1	284.6
10°	270.5	270.8	269.9	269.7	270.2	271.9	272.8	274.2	276.4	278.7	280.9
12.5°	271.9	272.2	270.8	271.1	271.1	271.9	274.5	275.6	276.4	277.8	280.1
15°	283.5	283.5	281.8	282.4	282.6	283.8	283.8	281.8	281.2	279.8	278.7
17.5°	299.0	296.8	296.5	296.2	297.3	296.2	293.7	289.1	283.8	278.1	273.6
20°	315.1	315.4	313.7	313.4	310.3	306.4	299.0	290.0	280.4	271.6	262.6
22.5°	339.1	339.7	336.6	330.4	323.6	313.1	299.9	286.0	272.2	260.1	249.6
25°	375.5	369.6	362.5	349.6	332.3	314.0	295.6	278.4	260.3	244.2	231.0
27.5°	411.7	399.8	380.9	359.7	335.4	311.7	290.0	266.8	245.4	225.9	210.6
30°	445.3	423.3	396.1	365.9	334.9	304.4	276.7	250.5	225.0	204.1	186.1
32.5°	479.4	447.3	409.7	367.3	326.4	290.0	258.1	227.9	202.7	177.3	157.8
35°	522.4	473.8	417.9	362.0	311.7	267.4	233.2	204.4	177.3	151.6	131.3
37.5°	561.6	495.0	422.1	352.9	292.5	244.0	206.4	177.0	151.6	129.9	112.4
40°	590.4	508.8	421.6	341.4	273.0	220.0	183.0	156.4	133.6	116.3	102.8
42.5°	613.0	516.7	418.7	330.4	256.1	202.5	167.7	143.4	125.4	111.5	101.1
45°	628.5	522.4	417.0	321.6	244.8	194.0	162.6	142.3	127.1	114.6	102.8
47.5°	642.1	528.9	416.5	317.7	242.3	196.5	169.4	151.1	134.4	118.3	102.5
50°	655.6	535.4	421.6	324.1	251.9	210.6	185.2	161.8	138.9	117.2	97.7
52.5°	674.3	554.3	440.5	342.8	272.8	230.4	200.2	170.5	139.8	114.4	93.2
55°	702.2	583.6	467.6	367.3	295.3	251.9	212.3	173.9	138.9	111.2	88.9
57.5°	748.0	626.8	504.6	401.5	324.7	268.5	219.1	175.3	136.9	107.9	85.6
60°	805.9	676.2	551.2	437.4	349.8	280.1	221.9	174.8	134.1	103.9	80.8
62.5°	871.6	730.5	593.2	470.1	367.9	285.5	220.8	170.3	127.6	95.7	74.0
65°	929.5	773.7	628.5	496.4	379.2	285.5	213.7	159.8	116.0	84.1	65.2
67.5°	977.0	810.1	655.6	511.6	380.3	275.6	196.8	140.9	97.7	69.7	55.1
70°	1001.8	821.7	664.1	509.9	361.4	247.1	165.7	109.6	71.7	54.2	44.3
72.5°	974.4	794.3	628.0	460.8	301.6	184.4	116.0	74.5	51.4	42.1	36.7
75°	867.1	674.0	522.6	356.3	216.0	114.9	72.0	52.2	40.7	35.0	32.2
77.5°	647.4	502.3	359.7	225.6	123.7	69.7	50.5	39.8	34.2	30.8	28.2
80°	407.2	309.5	216.3	124.2	70.6	51.4	42.1	35.6	31.1	26.8	24.3
82.5°	226.7	164.9	110.1	70.9	49.1	41.5	36.4	32.8	27.7	23.4	20.9
85°	155.0	101.9	69.5	46.6	33.9	30.2	27.1	24.8	21.2	17.8	16.4
87.5°	63.0	58.7	42.6	18.6	13.8	12.4	11.0	13.6	11.3	8.8	8.2
90°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	289.7	289.1	289.4	289.1	288.9	288.6	288.3	288.6	288.0	288.3	288.3
5°	288.9	288.3	289.1	288.9	288.3	288.3	288.0	288.0	288.0	288.0	288.3
7.5°	286.3	286.3	287.2	287.2	286.6	286.6	286.0	285.7	285.7	286.0	286.6
10°	282.9	283.8	285.2	284.6	283.5	282.9	282.1	281.5	281.2	281.8	282.4
12.5°	280.4	280.9	280.1	279.3	277.6	275.6	275.3	273.9	273.0	274.5	274.5
15°	276.1	273.9	270.8	268.0	264.0	262.0	259.8	259.2	257.2	257.5	258.9
17.5°	267.1	261.2	256.4	253.6	250.2	248.8	246.2	244.8	243.4	242.0	242.8
20°	254.4	247.9	241.7	238.0	232.7	231.5	227.3	227.3	225.6	225.9	227.6
22.5°	238.3	228.4	220.5	216.0	210.4	208.1	206.1	204.7	203.9	205.6	203.6
25°	217.1	205.3	197.9	191.4	185.2	183.0	180.4	179.6	179.9	178.7	180.7
27.5°	195.4	180.7	172.8	165.5	160.9	157.0	155.0	154.5	153.3	156.4	154.7
30°	168.0	154.7	145.4	137.8	132.4	130.4	128.5	127.9	129.6	127.3	126.2
32.5°	140.3	125.9	118.0	111.5	107.6	103.6	103.1	101.9	100.0	102.5	101.9
35°	115.2	103.1	94.9	90.9	85.6	83.9	80.5	79.6	79.9	80.5	80.2
37.5°	100.0	91.5	84.1	78.8	74.8	72.6	71.4	70.3	70.3	69.7	69.5
40°	92.9	85.8	79.1	74.0	70.9	69.2	68.0	66.9	66.1	65.2	64.4
42.5°	91.8	83.3	75.7	70.6	67.8	67.2	66.9	66.1	64.9	63.5	62.4
45°	90.9	80.2	72.3	67.8	65.8	65.5	65.5	64.7	63.8	62.4	60.7
47.5°	88.1	76.2	68.6	65.2	64.4	64.7	64.4	63.5	63.0	61.6	59.6
50°	81.9	70.3	63.0	60.4	60.1	59.9	59.9	59.6	59.0	57.9	55.9
52.5°	76.5	64.9	59.0	57.3	56.8	56.8	56.2	55.9	54.8	53.9	52.5
55°	73.1	62.1	57.0	55.9	55.9	55.6	55.1	54.2	53.4	52.2	50.5
57.5°	70.0	59.9	55.6	54.8	55.1	54.8	54.2	53.6	52.5	51.1	49.1
60°	65.5	56.5	52.8	52.5	53.1	53.6	53.4	53.1	52.2	50.3	47.4
62.5°	59.0	50.8	48.0	48.6	49.1	49.7	49.4	49.1	48.3	46.6	44.0
65°	52.5	46.6	44.9	45.5	46.0	46.0	46.0	45.5	44.9	42.9	40.9
67.5°	46.3	42.6	42.1	42.6	42.9	42.9	43.2	42.6	41.8	40.4	38.4
70°	39.5	37.8	37.8	38.4	38.7	38.4	38.7	37.8	37.0	36.1	34.2
72.5°	35.3	35.3	35.0	35.0	35.0	34.4	34.2	33.6	32.8	31.9	30.2
75°	31.3	31.3	31.1	31.6	30.5	29.6	29.4	28.8	28.0	26.8	25.7
77.5°	26.8	26.3	26.3	27.1	26.8	25.7	24.8	24.6	23.4	22.3	21.7
80°	23.2	22.6	22.6	22.3	21.7	21.5	20.3	19.2	18.9	18.9	18.1
82.5°	20.3	20.0	19.2	18.6	17.8	16.9	16.1	15.5	14.7	14.4	14.7
85°	16.1	16.4	15.5	15.0	14.1	13.0	12.1	11.6	11.0	11.0	12.1
87.5°	9.3	8.8	8.8	8.5	8.2	7.3	7.3	6.5	6.2	7.9	8.2
90°	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	288.6	288.6	287.7	288.3	288.0	288.3	289.4	288.3	288.0	288.9	289.7
5°	288.6	289.1	288.3	288.9	288.9	289.7	291.1	290.3	290.8	292.0	293.1
7.5°	287.4	288.3	288.3	289.4	290.3	291.7	293.7	293.1	294.2	295.9	297.3
10°	284.3	285.7	287.2	288.9	290.8	293.1	295.9	295.9	297.0	299.3	300.7
12.5°	276.7	280.4	282.1	286.0	289.1	292.5	295.6	297.6	298.5	300.4	302.1
15°	261.5	266.0	269.4	274.2	279.3	284.1	289.4	291.4	293.1	293.9	294.8
17.5°	244.0	247.1	249.3	255.5	261.2	265.7	270.8	273.3	275.3	275.3	275.9
20°	229.6	231.0	231.5	231.5	234.9	239.2	245.7	244.8	246.5	244.8	246.5
22.5°	207.3	205.0	206.1	206.1	208.4	207.5	210.1	214.3	213.7	214.9	219.7
25°	180.1	180.4	178.5	178.5	178.7	179.3	180.4	181.6	185.5	189.7	192.9
27.5°	154.5	153.9	152.5	151.3	150.2	152.2	153.6	153.3	159.0	162.4	168.0
30°	126.2	126.2	126.5	125.9	127.1	125.6	127.9	128.5	133.3	136.9	142.0
32.5°	102.8	103.3	103.3	103.1	105.0	103.6	104.8	106.2	109.3	112.4	114.9
35°	81.6	82.4	84.7	85.6	86.4	85.3	86.7	88.4	88.7	91.5	93.5
37.5°	69.2	70.6	70.9	71.4	71.4	72.3	72.6	73.7	73.7	74.5	75.1
40°	63.8	63.2	63.0	62.7	62.1	62.4	62.7	63.5	63.8	64.4	64.4
42.5°	61.3	60.4	59.0	58.2	57.0	57.0	57.0	57.0	57.9	58.4	58.4
45°	59.0	57.6	56.2	54.8	53.9	53.4	53.6	53.9	54.5	54.8	55.1
47.5°	57.6	55.6	53.4	52.0	51.1	50.5	50.8	51.1	51.1	51.4	51.7
50°	53.6	51.7	49.7	48.3	47.4	47.2	47.2	46.9	47.2	47.4	47.4
52.5°	50.5	48.6	46.9	45.5	44.6	44.6	44.3	43.8	44.0	43.8	44.0
55°	48.8	46.3	44.3	42.9	42.1	42.1	41.5	41.8	41.8	41.2	41.5
57.5°	46.9	44.3	42.6	40.9	39.8	39.8	39.5	39.8	40.1	39.2	39.2
60°	44.9	42.6	40.7	39.2	37.8	38.1	37.8	38.4	38.4	37.6	37.6
62.5°	41.2	39.2	38.1	37.3	36.1	36.4	36.4	37.3	36.4	35.9	35.6
65°	38.4	37.0	35.3	35.3	34.2	34.7	34.7	34.7	33.9	33.6	33.9
67.5°	36.4	34.7	33.6	32.5	31.6	31.9	31.3	31.3	31.1	30.8	31.3
70°	32.8	31.3	30.8	29.6	29.1	28.2	28.0	28.0	28.0	27.7	28.0
72.5°	29.1	28.0	27.4	26.3	25.7	25.1	24.8	24.6	24.3	24.6	24.6
75°	24.6	24.0	23.4	22.9	22.3	22.0	21.7	21.7	21.5	21.2	21.5
77.5°	21.2	20.3	20.0	19.5	19.8	18.9	18.6	18.9	18.9	18.9	19.2
80°	18.1	17.5	17.5	16.9	16.7	16.1	16.4	16.4	16.4	16.4	16.7
82.5°	15.8	15.2	15.2	15.0	14.1	13.6	13.8	14.4	14.4	14.1	14.7
85°	13.0	12.4	12.4	12.1	11.0	10.7	10.4	11.0	11.3	10.7	11.3
87.5°	8.5	7.9	7.6	7.6	6.5	4.5	5.9	6.5	6.5	5.4	6.2
90°	0.0	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	289.4	290.0	290.0	290.5	291.7	290.5	290.0	290.8	290.8	290.5	290.5
5°	293.1	294.2	294.5	296.2	297.0	296.5	297.0	297.6	297.9	297.3	297.9
7.5°	297.9	299.3	300.7	302.7	304.4	304.1	304.9	306.1	306.4	306.4	306.9
10°	301.8	303.8	305.2	307.8	309.7	310.3	311.2	312.6	314.0	314.0	315.1
12.5°	302.7	304.9	306.4	308.6	312.0	313.1	315.1	318.5	319.9	321.0	321.9
15°	295.3	297.3	299.3	302.4	306.4	309.7	314.3	319.1	323.3	326.4	327.5
17.5°	276.1	276.4	278.4	282.9	291.1	294.8	300.4	310.3	316.2	321.9	327.3
20°	247.9	253.3	255.3	261.2	269.1	274.7	281.2	290.3	299.3	309.5	318.5
22.5°	223.1	230.1	235.8	242.8	249.3	255.8	264.0	271.9	281.8	291.7	302.4
25°	197.7	204.1	212.1	219.7	227.3	235.5	245.7	254.1	264.0	275.6	289.1
27.5°	173.1	179.9	188.6	197.7	203.9	214.9	223.3	235.8	247.1	259.8	275.0
30°	147.4	153.9	158.1	168.0	176.8	187.8	200.8	212.9	226.5	240.6	258.4
32.5°	119.4	123.4	129.3	136.1	146.3	157.8	171.4	184.4	203.0	220.5	237.5
35°	95.7	97.7	97.4	105.0	109.6	123.4	140.3	152.8	171.4	192.9	215.2
37.5°	75.4	75.1	76.8	77.9	83.6	92.6	105.9	122.0	143.4	166.6	188.9
40°	64.4	64.7	64.9	64.9	66.1	72.0	83.9	100.5	121.1	141.7	166.3
42.5°	59.3	59.9	60.1	60.7	61.3	63.2	71.7	87.2	104.8	126.8	148.8
45°	55.6	56.5	57.3	57.3	57.9	58.4	63.2	75.1	92.6	113.5	136.7
47.5°	52.5	53.4	53.9	54.2	54.8	55.3	57.9	66.1	83.0	101.9	125.9
50°	48.0	48.8	49.4	50.3	50.3	50.3	52.0	57.9	70.9	89.5	112.9
52.5°	44.3	44.9	45.7	46.3	46.6	46.9	47.7	51.1	61.0	78.5	100.5
55°	42.4	42.9	43.8	44.3	44.9	45.2	45.7	47.2	54.2	69.2	89.8
57.5°	39.8	40.7	41.8	42.4	42.9	43.2	43.5	44.0	48.8	60.1	77.1
60°	38.1	39.5	40.9	41.8	42.1	42.4	42.6	42.1	44.0	51.1	64.4
62.5°	36.1	37.6	38.7	39.8	40.1	40.4	40.7	39.8	39.5	42.9	50.3
65°	34.4	35.3	36.1	37.0	37.0	37.3	37.0	35.9	35.0	35.0	38.4
67.5°	32.2	32.8	33.6	33.9	33.9	33.9	33.6	33.3	31.9	31.3	31.9
70°	28.8	29.6	30.5	31.1	31.1	30.8	30.5	29.6	29.1	28.5	29.1
72.5°	25.7	26.8	27.1	27.4	27.1	27.1	27.1	26.5	26.8	26.8	27.1
75°	22.6	23.2	23.2	23.7	23.7	23.7	23.7	23.7	24.3	24.0	24.3
77.5°	19.2	19.5	20.0	20.0	20.0	20.3	20.9	20.9	21.5	21.7	21.7
80°	16.7	16.1	16.1	15.8	16.1	16.7	17.2	18.4	18.4	18.6	18.9
82.5°	13.3	12.1	11.6	12.1	12.1	12.4	13.6	14.7	14.7	15.5	15.8
85°	10.2	8.8	7.6	8.2	8.2	8.8	9.9	10.4	11.3	11.6	11.3
87.5°	5.9	5.1	3.4	2.8	3.4	4.2	4.5	5.1	4.2	4.8	5.1
90°	0.0	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	291.1	291.1	289.7	289.7	290.0	290.5	289.1	288.9	289.1	288.9	288.6
5°	298.7	297.9	297.6	297.0	296.8	297.3	295.9	295.9	295.6	295.1	294.2
7.5°	307.2	306.6	306.1	305.5	304.9	305.2	303.8	303.5	303.3	303.0	302.1
10°	315.1	314.3	313.7	312.3	311.2	310.0	307.2	306.4	305.5	304.9	304.7
12.5°	321.6	320.8	318.8	316.2	314.5	311.7	309.5	307.5	306.6	305.8	306.1
15°	327.8	326.1	323.6	320.5	318.8	316.0	314.3	313.4	312.9	312.3	312.9
17.5°	329.8	330.4	328.9	328.1	327.0	325.8	326.1	327.0	328.7	328.7	328.7
20°	326.1	332.3	336.3	339.4	341.9	343.6	343.9	344.8	346.7	347.6	351.8
22.5°	317.4	333.5	346.7	357.5	364.2	366.5	369.0	371.9	372.1	373.0	376.9
25°	309.2	332.6	352.4	369.3	385.1	396.1	402.4	408.0	409.4	410.5	410.5
27.5°	294.8	320.8	346.2	368.8	390.5	408.9	423.3	437.9	448.1	451.8	457.1
30°	279.5	306.9	333.2	361.7	389.4	415.1	441.0	464.8	481.4	493.8	503.7
32.5°	260.3	290.0	319.9	351.0	384.0	416.2	450.9	485.4	517.0	541.8	557.1
35°	240.3	271.3	302.4	336.6	373.8	412.8	457.1	502.9	545.2	585.6	620.3
37.5°	218.3	247.6	281.5	320.5	360.6	407.2	458.8	515.6	574.3	632.2	677.1
40°	193.1	221.7	254.4	295.3	343.9	396.4	458.0	525.5	599.2	671.2	743.5
42.5°	175.9	202.2	233.5	274.7	324.1	384.3	454.6	534.5	621.8	711.0	801.9
45°	162.9	188.6	219.4	258.9	309.2	372.4	453.5	544.7	645.5	747.7	853.9
47.5°	151.6	178.2	207.8	246.8	295.3	361.7	450.9	553.1	665.2	775.9	899.0
50°	140.6	167.7	198.2	237.5	285.2	350.1	445.3	560.8	683.9	805.3	936.3
52.5°	128.5	155.3	188.1	228.1	278.7	342.8	439.3	567.0	701.9	836.6	975.0
55°	115.5	142.6	174.8	217.1	269.9	337.1	433.4	570.9	720.9	864.9	1009.7
57.5°	101.4	128.5	159.8	203.0	259.2	329.5	426.9	570.6	734.7	891.4	1047.3
60°	84.1	108.7	139.8	183.3	240.6	318.8	421.6	568.4	744.6	914.8	1089.1
62.5°	64.1	85.0	113.5	154.2	213.7	298.2	407.4	558.8	745.7	931.8	1123.8
65°	45.7	57.0	79.6	120.3	169.7	252.1	373.3	533.4	727.1	919.6	1126.9
67.5°	35.0	41.2	52.2	76.5	120.3	192.0	314.5	476.3	669.2	855.0	1074.9
70°	30.2	33.3	39.2	50.0	75.4	124.5	222.8	376.4	551.2	735.5	923.3
72.5°	28.0	29.9	33.6	39.0	48.0	73.4	137.2	253.0	404.9	560.8	725.1
75°	25.7	27.7	30.5	33.9	38.4	49.1	74.8	148.8	249.9	370.5	487.4
77.5°	22.9	24.6	28.2	31.3	34.2	38.4	47.7	82.7	137.5	221.7	291.7
80°	19.2	20.9	23.7	28.5	31.3	34.2	37.3	50.8	76.0	114.6	149.7
82.5°	15.8	16.7	18.9	23.2	25.7	27.1	28.0	33.0	43.2	56.5	82.4
85°	11.0	11.0	12.7	15.0	16.9	15.8	16.1	16.9	22.3	31.3	63.2
87.5°	4.2	3.1	4.0	4.8	4.8	4.5	5.4	5.1	7.1	13.3	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	0°
2.5°	288.6	288.6	288.3	288.0	287.7	287.7	287.2	288.0	287.7	288.0	288.3	2.5°
5°	294.5	293.9	293.4	292.8	292.8	292.2	291.4	291.1	290.0	289.7	288.9	5°
7.5°	303.0	303.0	303.0	302.4	301.3	299.9	298.2	297.0	293.9	291.7	289.1	7.5°
10°	305.2	305.8	306.1	306.4	305.2	304.9	303.0	300.7	297.0	293.7	290.3	10°
12.5°	306.1	307.2	307.5	307.8	306.9	306.4	304.4	303.0	299.9	296.5	294.8	12.5°
15°	314.0	316.0	318.2	317.9	320.5	317.7	316.0	316.2	312.9	309.2	308.1	15°
17.5°	334.3	335.2	340.0	340.2	344.2	345.3	342.5	339.4	337.4	335.2	330.4	17.5°
20°	356.3	362.5	364.2	372.7	376.7	378.6	378.9	378.9	375.3	365.4	361.4	20°
22.5°	380.3	389.7	399.8	405.2	413.4	414.5	418.7	416.2	413.4	405.7	396.7	22.5°
25°	419.0	424.4	433.4	447.0	450.9	459.1	457.4	461.1	454.9	441.6	436.2	25°
27.5°	462.2	471.5	484.2	497.0	502.6	511.6	506.0	511.6	501.5	497.8	484.8	27.5°
30°	509.4	522.1	544.7	560.5	572.1	578.3	574.6	571.5	568.7	561.9	561.0	30°
32.5°	567.3	582.5	604.0	624.6	644.9	666.1	671.2	675.7	686.1	665.5	645.5	32.5°
35°	638.7	650.3	674.3	698.0	725.9	752.5	796.3	807.3	793.1	768.6	736.4	35°
37.5°	708.4	734.7	758.7	786.9	807.8	838.3	857.8	879.5	867.7	844.8	807.8	37.5°
40°	794.0	829.6	862.3	897.1	920.8	944.5	981.2	1004.9	1002.7	974.1	924.2	40°
42.5°	872.5	929.0	983.2	1009.1	1040.8	1083.7	1110.8	1148.6	1151.2	1118.1	1054.6	42.5°
45°	954.7	1020.4	1086.5	1137.6	1164.4	1217.5	1279.6	1320.9	1333.6	1270.6	1205.7	45°
47.5°	1019.0	1121.5	1210.2	1264.7	1314.7	1369.4	1449.3	1508.9	1503.8	1418.9	1333.0	47.5°
50°	1075.5	1206.0	1313.2	1403.0	1462.9	1526.1	1631.5	1702.6	1677.8	1569.6	1462.3	50°
52.5°	1126.6	1279.6	1412.4	1523.6	1593.3	1683.7	1816.7	1878.8	1808.2	1703.8	1571.0	52.5°
55°	1173.5	1346.3	1500.5	1634.3	1741.9	1858.5	1983.3	2025.9	1925.4	1796.4	1674.4	55°
57.5°	1216.7	1408.1	1581.5	1742.2	1886.4	2025.6	2134.3	2137.2	2011.0	1867.8	1751.5	57.5°
60°	1268.6	1464.9	1666.2	1854.0	2029.9	2174.4	2238.0	2217.9	2066.0	1921.2	1804.6	60°
62.5°	1318.9	1516.0	1735.4	1961.5	2173.6	2299.8	2312.5	2270.2	2103.9	1946.0	1844.4	62.5°
65°	1343.7	1554.9	1774.1	2029.9	2286.0	2374.6	2359.1	2292.8	2119.1	1949.7	1854.5	65°
67.5°	1307.3	1518.5	1737.1	2000.2	2285.4	2369.8	2329.7	2249.6	2082.1	1899.7	1807.4	67.5°
70°	1173.2	1377.9	1556.1	1803.7	2124.5	2207.8	2147.6	2068.3	1928.2	1749.8	1707.7	70°
72.5°	987.1	1139.0	1288.1	1471.1	1691.0	1763.9	1684.6	1724.1	1687.9	1515.1	1476.7	72.5°
75°	740.9	882.9	941.1	997.3	1149.2	1192.7	1162.2	1297.7	1334.7	1262.7	1164.7	75°
77.5°	484.8	633.9	644.6	645.8	707.9	791.2	901.6	1042.5	1112.5	1080.0	961.1	77.5°
80°	282.6	446.7	399.5	384.3	439.3	532.2	677.9	854.4	947.0	953.8	840.3	80°
82.5°	142.0	280.1	242.5	240.0	271.1	339.7	446.1	544.7	665.2	670.9	685.8	82.5°
85°	110.4	192.6	197.1	213.7	235.5	264.0	271.9	289.4	356.6	418.7	434.8	85°
87.5°	57.3	141.7	167.2	194.5	192.0	157.3	132.7	143.2	166.6	175.6	228.1	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
288.0	288.0	288.0	288.0	288.0	288.0	288.0
287.7	288.3	288.0	288.3	288.6	288.6	288.3
287.4	287.2	286.0	285.5	285.5	284.9	284.6
285.7	283.8	280.9	279.3	278.1	277.3	275.9
286.0	282.6	279.0	276.4	273.9	272.2	270.5
289.7	285.5	282.1	278.1	276.1	273.9	271.9
302.4	296.8	292.8	289.1	286.9	285.2	283.5
322.7	316.0	309.5	306.1	302.1	299.3	299.0
350.1	340.2	331.8	324.1	320.5	316.0	315.1
381.2	366.8	357.7	349.3	344.2	338.8	339.1
420.7	406.3	391.6	382.9	375.5	376.4	375.5
468.2	456.9	439.9	429.2	426.9	418.2	411.7
542.1	525.2	504.6	485.4	473.2	458.8	445.3
614.7	583.4	556.0	537.3	521.8	500.6	479.4
686.4	650.3	624.9	609.0	585.0	555.4	522.4
771.7	748.0	729.9	691.2	657.0	611.6	561.6
894.8	864.9	821.7	772.5	723.1	658.7	590.4
1017.3	981.2	920.8	848.5	777.6	700.0	613.0
1150.3	1080.6	1001.8	914.3	827.0	730.7	628.5
1255.1	1168.1	1069.9	964.8	866.3	756.2	642.1
1362.1	1257.1	1133.7	1015.4	901.9	776.8	655.6
1446.2	1329.1	1198.9	1061.4	934.9	799.9	674.3
1530.4	1400.8	1257.3	1107.4	975.8	832.1	702.2
1600.4	1465.7	1313.8	1157.7	1023.3	875.0	748.0
1692.7	1556.9	1380.2	1217.2	1076.9	933.5	805.9
1780.6	1663.9	1472.5	1287.3	1142.4	999.5	871.6
1838.4	1784.8	1567.1	1357.6	1204.0	1061.4	929.5
1839.6	1861.6	1666.8	1414.6	1261.6	1128.6	977.0
1795.2	1872.3	1687.9	1419.7	1289.0	1158.5	1001.8
1641.9	1740.2	1561.2	1319.5	1238.1	1135.1	974.4
1270.0	1341.2	1248.6	1118.4	1121.2	1061.1	867.1
879.3	946.5	868.5	840.9	902.7	869.1	647.4
666.1	579.4	548.9	563.6	640.7	637.0	407.2
593.2	438.5	363.7	381.7	452.3	413.1	226.7
486.5	437.4	365.7	330.6	344.8	282.1	155.0
280.1	319.9	260.6	245.7	213.7	127.1	63.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)