

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: P141543

Luminaire Tested: **ECM-F01-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141543  
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-8030  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1822.3 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

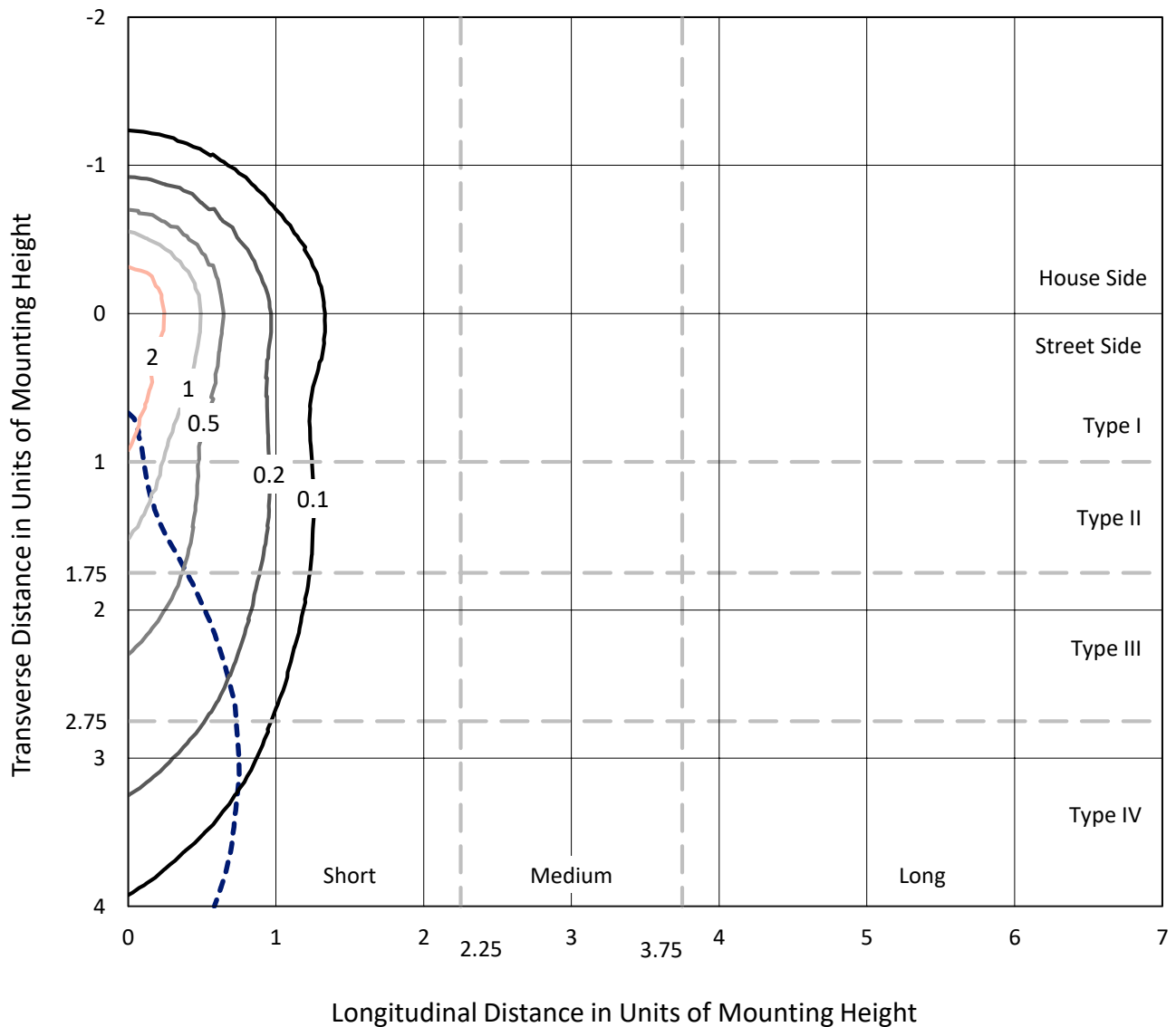
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

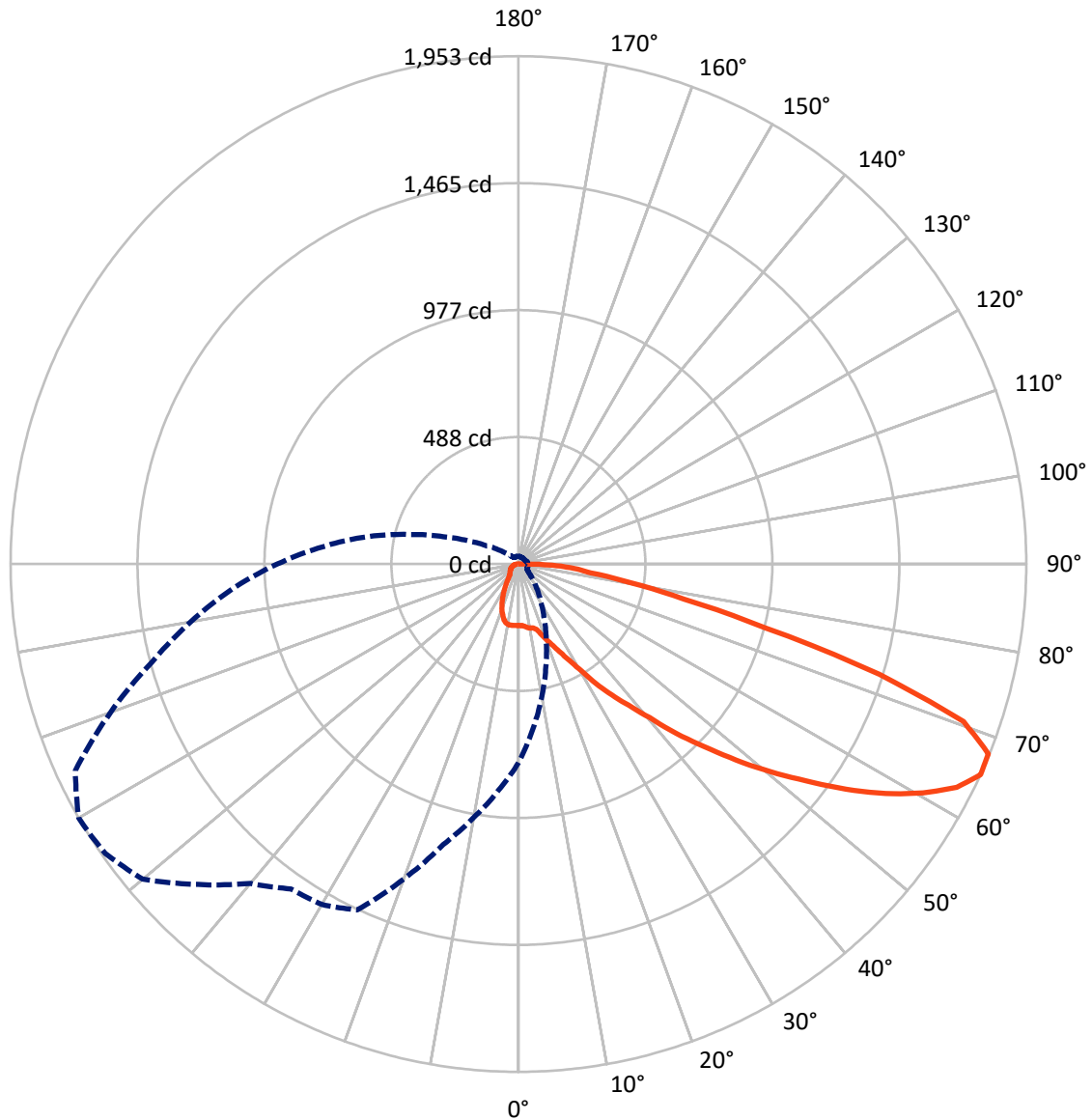
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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
<b>House Side</b>	Lumens	338.0	0.0	338.0
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	1484.3	0.0	1484.3
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	1822.3	0.0	1822.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.9	1.3
10°-20°	68.8	3.8
20°-30°	114.4	6.3
30°-40°	167.2	9.2
40°-50°	254.3	14.0
50°-60°	365.5	20.1
60°-70°	449.4	24.7
70°-80°	300.7	16.5
80°-90°	79.1	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°	1822.3	100.0
0°-180°	1822.3	100.0



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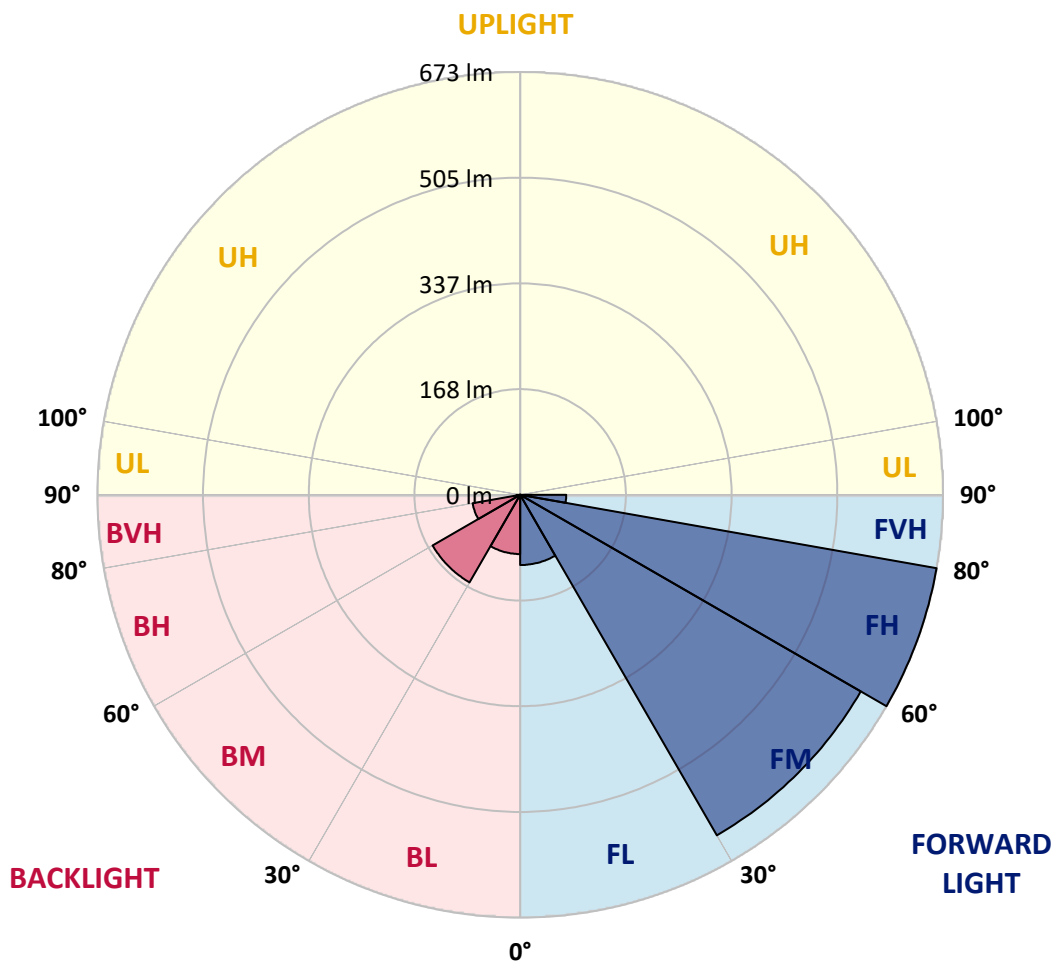
CATALOG NUMBER: ECM-F01-LED-E1-SLR-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.8	6.1			
FM	(30°-60°)	626.0	34.4			
FH	(60°-80°)	673.2	36.9			G1/1800
FVH	(80°-90°)	73.3	4.0			G1/100
BL	(0°-30°)	94.3	5.2	B0/110		
BM	(30°-60°)	161.0	8.8	B0/220		
BH	(60°-80°)	76.9	4.2	B0/110		G0/110
BVH	(80°-90°)	5.8	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	237.1	237.8	237.8	237.4	237.1	237.4	237.6	237.4	237.6	238.1	237.8
5°	234.1	234.6	234.8	234.8	234.8	235.3	236.0	235.7	236.4	236.9	236.9
7.5°	226.9	227.8	227.8	228.1	228.5	229.2	230.4	230.9	232.0	233.6	234.1
10°	222.5	222.7	222.0	221.8	222.3	223.7	224.3	225.5	227.4	229.2	231.1
12.5°	223.7	223.9	222.7	223.0	223.0	223.7	225.7	226.7	227.4	228.5	230.4
15°	233.2	233.2	231.8	232.2	232.5	233.4	233.4	231.8	231.3	230.2	229.2
17.5°	245.9	244.1	243.9	243.6	244.6	243.6	241.5	237.8	233.4	228.8	225.0
20°	259.2	259.4	258.0	257.8	255.2	252.0	245.9	238.5	230.6	223.4	216.0
22.5°	278.9	279.4	276.8	271.7	266.2	257.6	246.6	235.3	223.9	213.9	205.3
25°	308.9	304.0	298.2	287.5	273.4	258.3	243.2	229.0	214.1	200.9	190.0
27.5°	338.6	328.9	313.3	295.9	275.9	256.4	238.5	219.5	201.8	185.8	173.3
30°	366.3	348.1	325.8	301.0	275.4	250.4	227.6	206.0	185.1	167.9	153.0
32.5°	394.4	367.9	337.0	302.2	268.5	238.5	212.3	187.4	166.8	145.8	129.8
35°	429.7	389.7	343.7	297.7	256.4	219.9	191.8	168.1	145.8	124.7	108.0
37.5°	461.9	407.1	347.2	290.3	240.6	200.7	169.8	145.6	124.7	106.8	92.4
40°	485.6	418.5	346.7	280.8	224.6	180.9	150.5	128.7	109.9	95.7	84.5
42.5°	504.2	425.0	344.4	271.7	210.6	166.5	138.0	118.0	103.1	91.7	83.1
45°	517.0	429.7	343.0	264.5	201.4	159.6	133.8	117.1	104.5	94.3	84.5
47.5°	528.1	435.0	342.6	261.3	199.3	161.6	139.3	124.3	110.5	97.3	84.3
50°	539.3	440.3	346.7	266.6	207.2	173.3	152.4	133.1	114.3	96.4	80.4
52.5°	554.6	455.9	362.3	281.9	224.3	189.5	164.7	140.3	115.0	94.1	76.6
55°	577.6	480.1	384.6	302.2	242.9	207.2	174.6	143.1	114.3	91.5	73.2
57.5°	615.2	515.6	415.0	330.3	267.1	220.9	180.2	144.2	112.6	88.7	70.4
60°	662.8	556.2	453.3	359.7	287.8	230.4	182.5	143.8	110.3	85.5	66.4
62.5°	716.9	600.8	487.9	386.7	302.6	234.8	181.6	140.0	105.0	78.7	60.8
65°	764.6	636.4	517.0	408.3	311.9	234.8	175.8	131.5	95.5	69.2	53.6
67.5°	803.6	666.3	539.3	420.8	312.8	226.7	161.9	115.9	80.4	57.4	45.3
70°	824.0	675.8	546.2	419.4	297.3	203.2	136.3	90.1	59.0	44.6	36.5
72.5°	801.5	653.3	516.5	379.0	248.0	151.7	95.5	61.3	42.3	34.6	30.2
75°	713.2	554.4	429.9	293.1	177.7	94.5	59.2	43.0	33.4	28.8	26.5
77.5°	532.5	413.2	295.9	185.6	101.7	57.4	41.6	32.7	28.1	25.3	23.2
80°	334.9	254.5	177.9	102.2	58.1	42.3	34.6	29.3	25.5	22.1	20.0
82.5°	186.5	135.6	90.6	58.3	40.4	34.1	30.0	26.9	22.8	19.3	17.2
85°	127.5	83.8	57.1	38.3	27.9	24.9	22.3	20.4	17.4	14.6	13.5
87.5°	51.8	48.3	35.1	15.3	11.4	10.2	9.1	11.1	9.3	7.2	6.7
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°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	238.3	237.8	238.1	237.8	237.6	237.4	237.1	237.4	236.9	237.1	237.1
5°	237.6	237.1	237.8	237.6	237.1	237.1	236.9	236.9	236.9	236.9	237.1
7.5°	235.5	235.5	236.2	236.2	235.7	235.7	235.3	235.0	235.0	235.3	235.7
10°	232.7	233.4	234.6	234.1	233.2	232.7	232.0	231.5	231.3	231.8	232.2
12.5°	230.6	231.1	230.4	229.7	228.3	226.7	226.4	225.3	224.6	225.7	225.7
15°	227.1	225.3	222.7	220.4	217.1	215.5	213.7	213.2	211.6	211.8	213.0
17.5°	219.7	214.8	210.9	208.6	205.8	204.6	202.5	201.4	200.2	199.0	199.7
20°	209.3	203.9	198.8	195.8	191.4	190.4	187.0	187.0	185.6	185.8	187.2
22.5°	196.0	187.9	181.4	177.7	173.0	171.2	169.5	168.4	167.7	169.1	167.4
25°	178.6	168.8	162.8	157.5	152.4	150.5	148.4	147.7	147.9	147.0	148.6
27.5°	160.7	148.6	142.1	136.1	132.4	129.1	127.5	127.0	126.1	128.7	127.3
30°	138.2	127.3	119.6	113.3	108.9	107.3	105.7	105.2	106.6	104.7	103.8
32.5°	115.4	103.6	97.1	91.7	88.5	85.2	84.8	83.8	82.2	84.3	83.8
35°	94.8	84.8	78.0	74.8	70.4	69.0	66.2	65.5	65.7	66.2	66.0
37.5°	82.2	75.2	69.2	64.8	61.5	59.7	58.8	57.8	57.8	57.4	57.1
40°	76.4	70.6	65.0	60.8	58.3	56.9	56.0	55.0	54.3	53.6	53.0
42.5°	75.5	68.5	62.2	58.1	55.7	55.3	55.0	54.3	53.4	52.3	51.3
45°	74.8	66.0	59.5	55.7	54.1	53.9	53.9	53.2	52.5	51.3	49.9
47.5°	72.5	62.7	56.4	53.6	53.0	53.2	53.0	52.3	51.8	50.6	49.0
50°	67.4	57.8	51.8	49.7	49.5	49.2	49.2	49.0	48.5	47.6	46.0
52.5°	62.9	53.4	48.5	47.1	46.7	46.7	46.2	46.0	45.1	44.4	43.2
55°	60.2	51.1	46.9	46.0	46.0	45.8	45.3	44.6	43.9	43.0	41.6
57.5°	57.6	49.2	45.8	45.1	45.3	45.1	44.6	44.1	43.2	42.0	40.4
60°	53.9	46.4	43.4	43.2	43.7	44.1	43.9	43.7	43.0	41.3	39.0
62.5°	48.5	41.8	39.5	39.9	40.4	40.9	40.6	40.4	39.7	38.3	36.2
65°	43.2	38.3	36.9	37.4	37.9	37.9	37.9	37.4	36.9	35.3	33.7
67.5°	38.1	35.1	34.6	35.1	35.3	35.3	35.5	35.1	34.4	33.2	31.6
70°	32.5	31.1	31.1	31.6	31.8	31.6	31.8	31.1	30.4	29.7	28.1
72.5°	29.0	29.0	28.8	28.8	28.8	28.3	28.1	27.6	26.9	26.2	24.9
75°	25.8	25.8	25.5	26.0	25.1	24.4	24.2	23.7	23.0	22.1	21.1
77.5°	22.1	21.6	21.6	22.3	22.1	21.1	20.4	20.2	19.3	18.3	17.9
80°	19.0	18.6	18.6	18.3	17.9	17.7	16.7	15.8	15.6	15.6	14.9
82.5°	16.7	16.5	15.8	15.3	14.6	13.9	13.2	12.8	12.1	11.8	12.1
85°	13.2	13.5	12.8	12.3	11.6	10.7	10.0	9.5	9.1	9.1	10.0
87.5°	7.7	7.2	7.2	7.0	6.7	6.0	6.0	5.3	5.1	6.5	6.7
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°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	237.4	237.4	236.7	237.1	236.9	237.1	238.1	237.1	236.9	237.6	238.3
5°	237.4	237.8	237.1	237.6	237.6	238.3	239.4	238.7	239.2	240.1	241.1
7.5°	236.4	237.1	237.1	238.1	238.7	239.9	241.5	241.1	242.0	243.4	244.6
10°	233.9	235.0	236.2	237.6	239.2	241.1	243.4	243.4	244.3	246.2	247.3
12.5°	227.6	230.6	232.0	235.3	237.8	240.6	243.2	244.8	245.5	247.1	248.5
15°	215.1	218.8	221.6	225.5	229.7	233.6	238.1	239.7	241.1	241.8	242.5
17.5°	200.7	203.2	205.1	210.2	214.8	218.5	222.7	224.8	226.4	226.4	226.9
20°	188.8	190.0	190.4	190.4	193.2	196.7	202.1	201.4	202.8	201.4	202.8
22.5°	170.5	168.6	169.5	169.5	171.4	170.7	172.8	176.3	175.8	176.7	180.7
25°	148.2	148.4	146.8	146.8	147.0	147.5	148.4	149.3	152.6	156.1	158.6
27.5°	127.0	126.6	125.4	124.5	123.6	125.2	126.3	126.1	130.8	133.5	138.2
30°	103.8	103.8	104.0	103.6	104.5	103.3	105.2	105.7	109.6	112.6	116.8
32.5°	84.5	85.0	85.0	84.8	86.4	85.2	86.2	87.3	89.9	92.4	94.5
35°	67.1	67.8	69.7	70.4	71.1	70.1	71.3	72.7	72.9	75.2	76.9
37.5°	56.9	58.1	58.3	58.8	58.8	59.5	59.7	60.6	60.6	61.3	61.8
40°	52.5	52.0	51.8	51.6	51.1	51.3	51.6	52.3	52.5	53.0	53.0
42.5°	50.4	49.7	48.5	47.8	46.9	46.9	46.9	46.9	47.6	48.1	48.1
45°	48.5	47.4	46.2	45.1	44.4	43.9	44.1	44.4	44.8	45.1	45.3
47.5°	47.4	45.8	43.9	42.7	42.0	41.6	41.8	42.0	42.0	42.3	42.5
50°	44.1	42.5	40.9	39.7	39.0	38.8	38.8	38.6	38.8	39.0	39.0
52.5°	41.6	39.9	38.6	37.4	36.7	36.7	36.5	36.0	36.2	36.0	36.2
55°	40.2	38.1	36.5	35.3	34.6	34.6	34.1	34.4	34.4	33.9	34.1
57.5°	38.6	36.5	35.1	33.7	32.7	32.7	32.5	32.7	33.0	32.3	32.3
60°	36.9	35.1	33.4	32.3	31.1	31.4	31.1	31.6	31.6	30.9	30.9
62.5°	33.9	32.3	31.4	30.7	29.7	30.0	30.0	30.7	30.0	29.5	29.3
65°	31.6	30.4	29.0	29.0	28.1	28.6	28.6	28.6	27.9	27.6	27.9
67.5°	30.0	28.6	27.6	26.7	26.0	26.2	25.8	25.8	25.5	25.3	25.8
70°	26.9	25.8	25.3	24.4	23.9	23.2	23.0	23.0	23.0	22.8	23.0
72.5°	23.9	23.0	22.5	21.6	21.1	20.7	20.4	20.2	20.0	20.2	20.2
75°	20.2	19.7	19.3	18.8	18.3	18.1	17.9	17.9	17.7	17.4	17.7
77.5°	17.4	16.7	16.5	16.0	16.3	15.6	15.3	15.6	15.6	15.6	15.8
80°	14.9	14.4	14.4	13.9	13.7	13.2	13.5	13.5	13.5	13.5	13.7
82.5°	13.0	12.5	12.5	12.3	11.6	11.1	11.4	11.8	11.8	11.6	12.1
85°	10.7	10.2	10.2	10.0	9.1	8.8	8.6	9.1	9.3	8.8	9.3
87.5°	7.0	6.5	6.3	6.3	5.3	3.7	4.9	5.3	5.3	4.4	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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	238.1	238.5	238.5	239.0	239.9	239.0	238.5	239.2	239.2	239.0	239.0
5°	241.1	242.0	242.2	243.6	244.3	243.9	244.3	244.8	245.0	244.6	245.0
7.5°	245.0	246.2	247.3	249.0	250.4	250.1	250.8	251.8	252.0	252.0	252.5
10°	248.3	249.9	251.1	253.1	254.8	255.2	255.9	257.1	258.3	258.3	259.2
12.5°	249.0	250.8	252.0	253.8	256.6	257.6	259.2	262.0	263.1	264.1	264.8
15°	242.9	244.6	246.2	248.7	252.0	254.8	258.5	262.4	265.9	268.5	269.4
17.5°	227.1	227.4	229.0	232.7	239.4	242.5	247.1	255.2	260.1	264.8	269.2
20°	203.9	208.3	209.9	214.8	221.3	226.0	231.3	238.7	246.2	254.5	262.0
22.5°	183.5	189.3	193.9	199.7	205.1	210.4	217.1	223.7	231.8	239.9	248.7
25°	162.6	167.9	174.4	180.7	187.0	193.7	202.1	209.0	217.1	226.7	237.8
27.5°	142.4	147.9	155.1	162.6	167.7	176.7	183.7	193.9	203.2	213.7	226.2
30°	121.2	126.6	130.1	138.2	145.4	154.4	165.1	175.1	186.3	197.9	212.5
32.5°	98.2	101.5	106.4	111.9	120.3	129.8	141.0	151.7	167.0	181.4	195.3
35°	78.7	80.4	80.1	86.4	90.1	101.5	115.4	125.6	141.0	158.6	177.0
37.5°	62.0	61.8	63.2	64.1	68.7	76.2	87.1	100.3	118.0	137.0	155.4
40°	53.0	53.2	53.4	53.4	54.3	59.2	69.0	82.7	99.6	116.6	136.8
42.5°	48.8	49.2	49.5	49.9	50.4	52.0	59.0	71.8	86.2	104.3	122.4
45°	45.8	46.4	47.1	47.1	47.6	48.1	52.0	61.8	76.2	93.4	112.4
47.5°	43.2	43.9	44.4	44.6	45.1	45.5	47.6	54.3	68.3	83.8	103.6
50°	39.5	40.2	40.6	41.3	41.3	41.3	42.7	47.6	58.3	73.6	92.9
52.5°	36.5	36.9	37.6	38.1	38.3	38.6	39.2	42.0	50.2	64.6	82.7
55°	34.8	35.3	36.0	36.5	36.9	37.2	37.6	38.8	44.6	56.9	73.9
57.5°	32.7	33.4	34.4	34.8	35.3	35.5	35.8	36.2	40.2	49.5	63.4
60°	31.4	32.5	33.7	34.4	34.6	34.8	35.1	34.6	36.2	42.0	53.0
62.5°	29.7	30.9	31.8	32.7	33.0	33.2	33.4	32.7	32.5	35.3	41.3
65°	28.3	29.0	29.7	30.4	30.4	30.7	30.4	29.5	28.8	28.8	31.6
67.5°	26.5	26.9	27.6	27.9	27.9	27.9	27.6	27.4	26.2	25.8	26.2
70°	23.7	24.4	25.1	25.5	25.5	25.3	25.1	24.4	23.9	23.5	23.9
72.5°	21.1	22.1	22.3	22.5	22.3	22.3	22.3	21.8	22.1	22.1	22.3
75°	18.6	19.0	19.0	19.5	19.5	19.5	19.5	19.5	20.0	19.7	20.0
77.5°	15.8	16.0	16.5	16.5	16.5	16.7	17.2	17.2	17.7	17.9	17.9
80°	13.7	13.2	13.2	13.0	13.2	13.7	14.2	15.1	15.1	15.3	15.6
82.5°	10.9	10.0	9.5	10.0	10.0	10.2	11.1	12.1	12.1	12.8	13.0
85°	8.4	7.2	6.3	6.7	6.7	7.2	8.1	8.6	9.3	9.5	9.3
87.5°	4.9	4.2	2.8	2.3	2.8	3.5	3.7	4.2	3.5	3.9	4.2
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	239.4	239.4	238.3	238.3	238.5	239.0	237.8	237.6	237.8	237.6	237.4
5°	245.7	245.0	244.8	244.3	244.1	244.6	243.4	243.4	243.2	242.7	242.0
7.5°	252.7	252.2	251.8	251.3	250.8	251.1	249.9	249.7	249.4	249.2	248.5
10°	259.2	258.5	258.0	256.9	255.9	255.0	252.7	252.0	251.3	250.8	250.6
12.5°	264.5	263.8	262.2	260.1	258.7	256.4	254.5	252.9	252.2	251.5	251.8
15°	269.6	268.2	266.2	263.6	262.2	259.9	258.5	257.8	257.3	256.9	257.3
17.5°	271.3	271.7	270.6	269.9	268.9	268.0	268.2	268.9	270.3	270.3	270.3
20°	268.2	273.4	276.6	279.2	281.2	282.6	282.9	283.6	285.2	285.9	289.4
22.5°	261.0	274.3	285.2	294.0	299.6	301.5	303.5	305.9	306.1	306.8	310.0
25°	254.3	273.6	289.8	303.8	316.8	325.8	330.9	335.6	336.8	337.7	337.7
27.5°	242.5	263.8	284.7	303.3	321.2	336.3	348.1	360.2	368.6	371.6	376.0
30°	229.9	252.5	274.0	297.5	320.3	341.4	362.8	382.3	396.0	406.2	414.3
32.5°	214.1	238.5	263.1	288.7	315.9	342.3	370.9	399.2	425.2	445.7	458.2
35°	197.6	223.2	248.7	276.8	307.5	339.5	376.0	413.6	448.5	481.7	510.2
37.5°	179.5	203.7	231.5	263.6	296.6	334.9	377.4	424.1	472.4	520.0	556.9
40°	158.9	182.3	209.3	242.9	282.9	326.1	376.7	432.2	492.8	552.0	611.5
42.5°	144.7	166.3	192.1	226.0	266.6	316.1	373.9	439.6	511.4	584.8	659.6
45°	134.0	155.1	180.5	213.0	254.3	306.3	373.0	448.0	530.9	615.0	702.3
47.5°	124.7	146.5	170.9	203.0	242.9	297.5	370.9	455.0	547.2	638.2	739.5
50°	115.7	138.0	163.0	195.3	234.6	288.0	366.3	461.2	562.5	662.4	770.1
52.5°	105.7	127.7	154.7	187.7	229.2	281.9	361.4	466.3	577.4	688.1	801.9
55°	95.0	117.3	143.8	178.6	222.0	277.3	356.5	469.6	592.9	711.4	830.5
57.5°	83.4	105.7	131.5	167.0	213.2	271.0	351.2	469.4	604.3	733.2	861.4
60°	69.2	89.4	115.0	150.7	197.9	262.2	346.7	467.5	612.4	752.5	895.8
62.5°	52.7	69.9	93.4	126.8	175.8	245.3	335.1	459.6	613.4	766.4	924.3
65°	37.6	46.9	65.5	98.9	139.6	207.4	307.0	438.7	598.0	756.4	926.9
67.5°	28.8	33.9	43.0	62.9	98.9	157.9	258.7	391.8	550.4	703.2	884.2
70°	24.9	27.4	32.3	41.1	62.0	102.4	183.2	309.6	453.3	605.0	759.4
72.5°	23.0	24.6	27.6	32.0	39.5	60.4	112.9	208.1	333.0	461.2	596.4
75°	21.1	22.8	25.1	27.9	31.6	40.4	61.5	122.4	205.5	304.7	400.9
77.5°	18.8	20.2	23.2	25.8	28.1	31.6	39.2	68.0	113.1	182.3	239.9
80°	15.8	17.2	19.5	23.5	25.8	28.1	30.7	41.8	62.5	94.3	123.1
82.5°	13.0	13.7	15.6	19.0	21.1	22.3	23.0	27.2	35.5	46.4	67.8
85°	9.1	9.1	10.5	12.3	13.9	13.0	13.2	13.9	18.3	25.8	52.0
87.5°	3.5	2.6	3.3	3.9	3.9	3.7	4.4	4.2	5.8	10.9	14.9
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°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	0°
2.5°	237.4	237.4	237.1	236.9	236.7	236.7	236.2	236.9	236.7	236.9	237.1	2.5°
5°	242.2	241.8	241.3	240.8	240.8	240.4	239.7	239.4	238.5	238.3	237.6	5°
7.5°	249.2	249.2	249.2	248.7	247.8	246.6	245.3	244.3	241.8	239.9	237.8	7.5°
10°	251.1	251.5	251.8	252.0	251.1	250.8	249.2	247.3	244.3	241.5	238.7	10°
12.5°	251.8	252.7	252.9	253.1	252.5	252.0	250.4	249.2	246.6	243.9	242.5	12.5°
15°	258.3	259.9	261.7	261.5	263.6	261.3	259.9	260.1	257.3	254.3	253.4	15°
17.5°	275.0	275.7	279.6	279.9	283.1	284.0	281.7	279.2	277.5	275.7	271.7	17.5°
20°	293.1	298.2	299.6	306.6	309.8	311.4	311.7	311.7	308.7	300.5	297.3	20°
22.5°	312.8	320.5	328.9	333.3	340.0	340.9	344.4	342.3	340.0	333.7	326.3	22.5°
25°	344.7	349.1	356.5	367.6	370.9	377.6	376.2	379.3	374.1	363.2	358.8	25°
27.5°	380.2	387.8	398.3	408.8	413.4	420.8	416.2	420.8	412.5	409.4	398.8	27.5°
30°	419.0	429.4	448.0	461.0	470.5	475.6	472.6	470.1	467.7	462.2	461.5	30°
32.5°	466.6	479.1	496.8	513.7	530.4	547.9	552.0	555.8	564.4	547.4	530.9	32.5°
35°	525.3	534.9	554.6	574.1	597.1	618.9	654.9	664.0	652.4	632.2	605.7	35°
37.5°	582.7	604.3	624.0	647.3	664.5	689.5	705.6	723.4	713.7	694.9	664.5	37.5°
40°	653.1	682.3	709.3	737.8	757.4	776.9	807.1	826.6	824.7	801.2	760.1	40°
42.5°	717.6	764.1	808.7	830.0	856.1	891.4	913.7	944.8	946.9	919.7	867.4	42.5°
45°	785.2	839.3	893.7	935.7	957.8	1001.4	1052.5	1086.4	1096.9	1045.1	991.7	45°
47.5°	838.2	922.5	995.4	1040.2	1081.3	1126.4	1192.1	1241.1	1236.9	1167.0	1096.4	47.5°
50°	884.6	991.9	1080.2	1154.0	1203.3	1255.3	1341.9	1400.4	1380.0	1291.1	1202.8	50°
52.5°	926.7	1052.5	1161.7	1253.2	1310.6	1384.9	1494.3	1545.4	1487.3	1401.4	1292.2	52.5°
55°	965.2	1107.3	1234.2	1344.2	1432.7	1528.6	1631.3	1666.4	1583.7	1477.5	1377.2	55°
57.5°	1000.7	1158.2	1300.8	1433.0	1551.6	1666.1	1755.5	1757.9	1654.1	1536.3	1440.6	57.5°
60°	1043.5	1204.9	1370.5	1524.9	1669.6	1788.5	1840.8	1824.3	1699.3	1580.2	1484.3	60°
62.5°	1084.8	1246.9	1427.4	1613.4	1787.8	1891.6	1902.1	1867.3	1730.5	1600.6	1517.0	62.5°
65°	1105.3	1279.0	1459.2	1669.6	1880.3	1953.2	1940.4	1885.8	1743.0	1603.7	1525.4	65°
67.5°	1075.3	1249.0	1428.8	1645.2	1879.8	1949.2	1916.3	1850.3	1712.6	1562.5	1486.6	67.5°
70°	965.0	1133.4	1279.9	1483.6	1747.4	1815.9	1766.5	1701.2	1586.0	1439.2	1404.6	70°
72.5°	811.9	936.9	1059.5	1210.0	1390.9	1450.8	1385.6	1418.1	1388.4	1246.2	1214.6	72.5°
75°	609.4	726.2	774.1	820.3	945.2	981.0	955.9	1067.4	1097.8	1038.6	958.0	75°
77.5°	398.8	521.4	530.2	531.1	582.2	650.8	741.6	857.4	915.0	888.3	790.6	77.5°
80°	232.5	367.4	328.6	316.1	361.4	437.8	557.6	702.8	779.0	784.5	691.2	80°
82.5°	116.8	230.4	199.5	197.4	223.0	279.4	366.9	448.0	547.2	551.8	564.1	82.5°
85°	90.8	158.4	162.1	175.8	193.7	217.1	223.7	238.1	293.3	344.4	357.7	85°
87.5°	47.1	116.6	137.5	160.0	157.9	129.4	109.2	117.7	137.0	144.5	187.7	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°
236.9	236.9	236.9	236.9	236.9	236.9	236.9
236.7	237.1	236.9	237.1	237.4	237.4	237.1
236.4	236.2	235.3	234.8	234.8	234.3	234.1
235.0	233.4	231.1	229.7	228.8	228.1	226.9
235.3	232.5	229.5	227.4	225.3	223.9	222.5
238.3	234.8	232.0	228.8	227.1	225.3	223.7
248.7	244.1	240.8	237.8	236.0	234.6	233.2
265.5	259.9	254.5	251.8	248.5	246.2	245.9
288.0	279.9	272.9	266.6	263.6	259.9	259.2
313.5	301.7	294.3	287.3	283.1	278.7	278.9
346.0	334.2	322.1	314.9	308.9	309.6	308.9
385.1	375.8	361.8	353.0	351.2	344.0	338.6
445.9	432.0	415.0	399.2	389.2	377.4	366.3
505.6	479.8	457.3	442.0	429.2	411.8	394.4
564.6	534.9	514.0	501.0	481.2	456.8	429.7
634.7	615.2	600.4	568.5	540.4	503.0	461.9
736.0	711.4	675.8	635.4	594.8	541.8	485.6
836.8	807.1	757.4	697.9	639.6	575.7	504.2
946.2	888.8	824.0	752.0	680.2	601.1	517.0
1032.3	960.8	880.0	793.6	712.5	622.0	528.1
1120.4	1034.0	932.5	835.2	741.8	638.9	539.3
1189.6	1093.2	986.1	873.0	769.0	658.0	554.6
1258.8	1152.2	1034.2	910.9	802.6	684.4	577.6
1316.4	1205.6	1080.6	952.2	841.7	719.7	615.2
1392.3	1280.6	1135.2	1001.2	885.8	767.8	662.8
1464.5	1368.6	1211.2	1058.8	939.7	822.1	716.9
1512.1	1468.0	1289.0	1116.6	990.3	873.0	764.6
1513.1	1531.2	1370.9	1163.5	1037.7	928.3	803.6
1476.6	1540.0	1388.4	1167.7	1060.2	952.9	824.0
1350.5	1431.3	1284.1	1085.3	1018.4	933.6	801.5
1044.6	1103.2	1027.0	919.9	922.2	872.8	713.2
723.2	778.5	714.4	691.6	742.5	714.9	532.5
547.9	476.6	451.5	463.6	527.0	523.9	334.9
487.9	360.7	299.1	314.0	372.1	339.8	186.5
400.2	359.7	300.8	272.0	283.6	232.0	127.5
230.4	263.1	214.4	202.1	175.8	104.5	51.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)