

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: P141539

Luminaire Tested: **ECM-E01-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141539
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-E01-LED-E1-SLR-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2388.9 lumens
Efficiency: N/A
Efficacy: 96.7 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

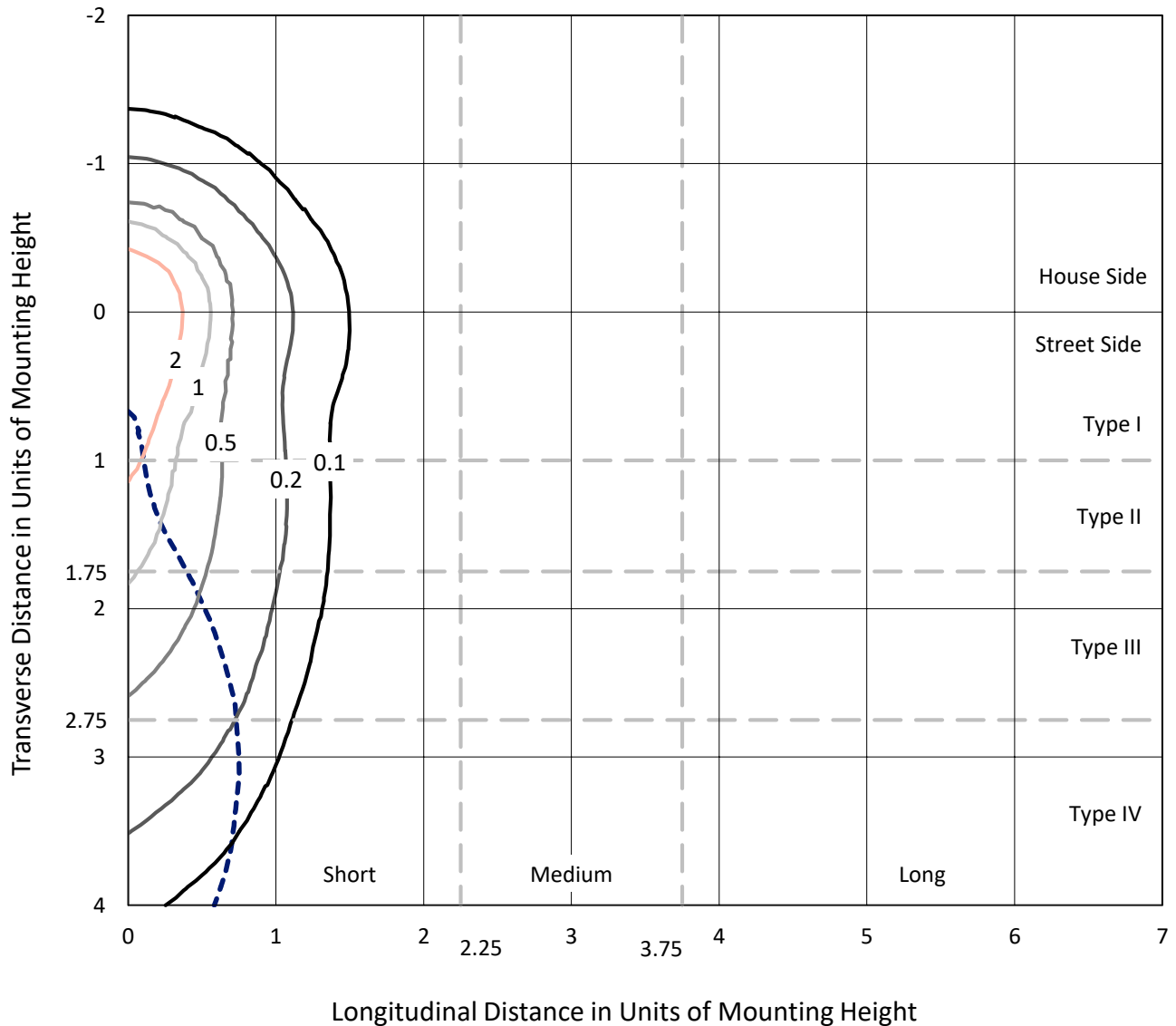
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

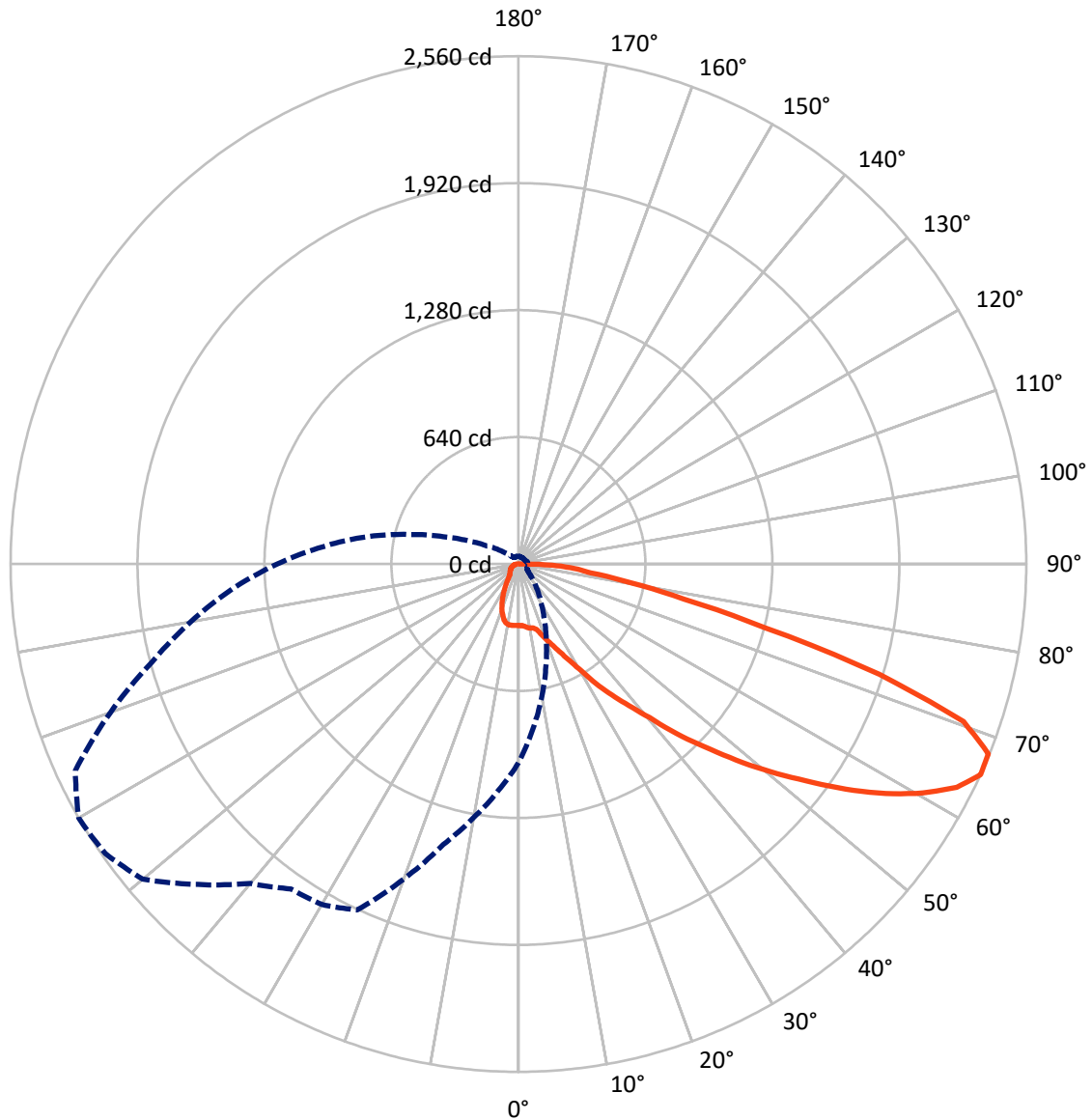
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 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	443.1	0.0	443.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	1945.8	0.0	1945.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	2388.9	0.0	2388.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.3
10°-20°	90.2	3.8
20°-30°	149.9	6.3
30°-40°	219.2	9.2
40°-50°	333.4	14.0
50°-60°	479.2	20.1
60°-70°	589.2	24.7
70°-80°	394.1	16.5
80°-90°	103.7	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°	2388.9	100.0
0°-180°	2388.9	100.0



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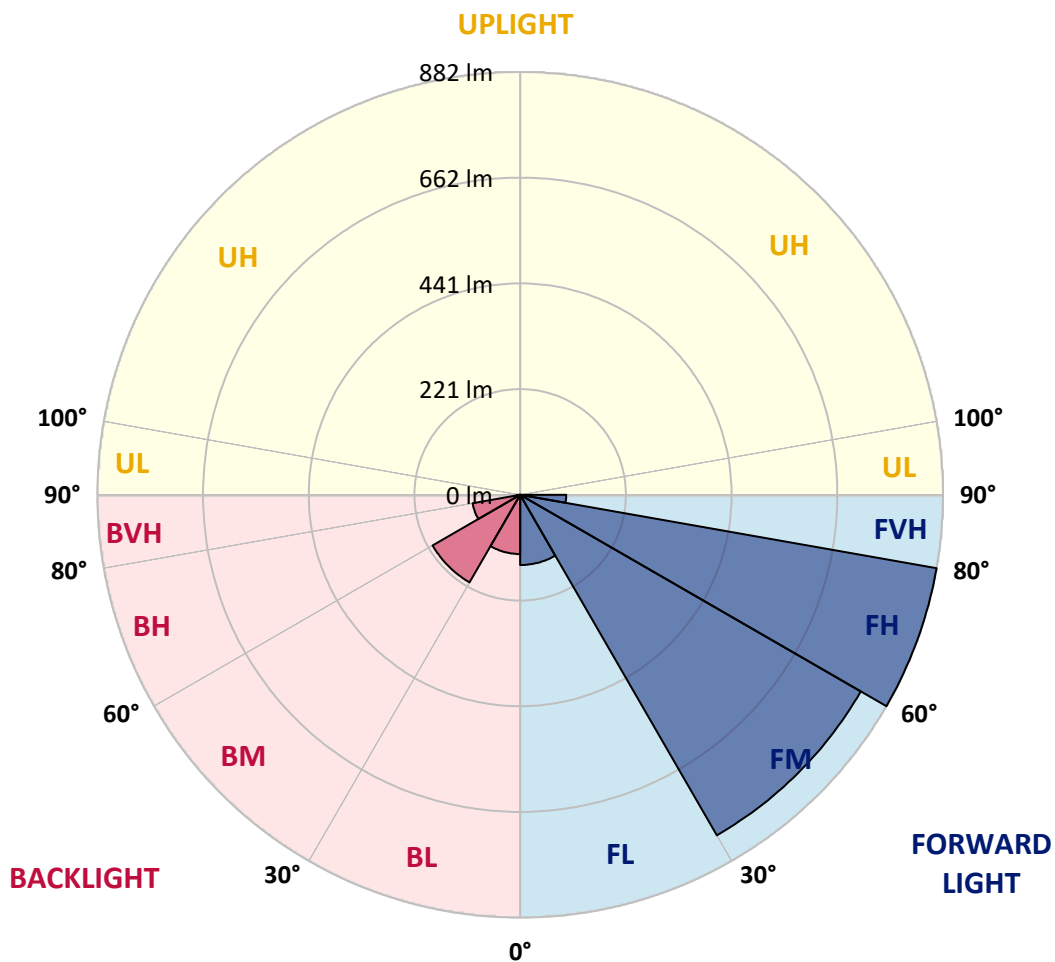
CATALOG NUMBER: ECM-E01-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.5	6.1			
FM	(30°-60°)	820.7	34.4			
FH	(60°-80°)	882.5	36.9			G1/1800
FVH	(80°-90°)	96.2	4.0			G1/100
BL	(0°-30°)	123.7	5.2	B1/500		
BM	(30°-60°)	211.0	8.8	B0/220		
BH	(60°-80°)	100.8	4.2	B0/110		G0/110
BVH	(80°-90°)	7.5	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°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	310.8	311.8	311.8	311.1	310.8	311.1	311.5	311.1	311.5	312.1	311.8
5°	306.9	307.5	307.8	307.8	307.8	308.4	309.3	309.0	309.9	310.5	310.5
7.5°	297.4	298.7	298.7	299.0	299.6	300.5	302.0	302.6	304.1	306.3	306.9
10°	291.7	292.0	291.1	290.7	291.4	293.2	294.1	295.6	298.1	300.5	302.9
12.5°	293.2	293.5	292.0	292.3	292.3	293.2	295.9	297.1	298.1	299.6	302.0
15°	305.7	305.7	303.8	304.5	304.8	306.0	306.0	303.8	303.2	301.7	300.5
17.5°	322.4	320.0	319.7	319.4	320.6	319.4	316.6	311.8	306.0	299.9	295.0
20°	339.8	340.1	338.2	337.9	334.6	330.3	322.4	312.7	302.3	292.9	283.1
22.5°	365.6	366.3	362.9	356.2	348.9	337.6	323.3	308.4	293.5	280.4	269.1
25°	404.9	398.5	390.9	376.9	358.3	338.5	318.8	300.2	280.7	263.3	249.0
27.5°	443.9	431.1	410.7	387.9	361.7	336.1	312.7	287.7	264.6	243.6	227.1
30°	480.1	456.4	427.1	394.6	361.1	328.2	298.4	270.0	242.6	220.1	200.6
32.5°	517.0	482.2	441.8	396.1	351.9	312.7	278.3	245.7	218.6	191.2	170.2
35°	563.2	510.9	450.6	390.3	336.1	288.3	251.5	220.4	191.2	163.5	141.6
37.5°	605.6	533.7	455.2	380.6	315.4	263.0	222.6	190.9	163.5	140.0	121.2
40°	636.6	548.6	454.5	368.1	294.4	237.2	197.3	168.7	144.0	125.4	110.8
42.5°	661.0	557.1	451.5	356.2	276.1	218.3	180.8	154.7	135.2	120.3	109.0
45°	677.7	563.2	449.7	346.8	264.0	209.2	175.4	153.4	137.0	123.6	110.8
47.5°	692.3	570.2	449.1	342.5	261.2	211.9	182.7	162.9	144.9	127.6	110.5
50°	706.9	577.2	454.5	349.5	271.6	227.1	199.7	174.4	149.8	126.3	105.3
52.5°	727.0	597.6	474.9	369.6	294.1	248.4	215.9	183.9	150.7	123.3	100.5
55°	757.2	629.3	504.2	396.1	318.5	271.6	228.9	187.5	149.8	120.0	95.9
57.5°	806.5	675.9	544.1	432.9	350.1	289.5	236.3	189.1	147.7	116.3	92.2
60°	868.9	729.2	594.3	471.6	377.2	302.0	239.3	188.5	144.6	112.0	87.1
62.5°	939.8	787.6	639.6	506.9	396.7	307.8	238.1	183.6	137.6	103.2	79.8
65°	1002.2	834.2	677.7	535.2	408.9	307.8	230.5	172.3	125.1	90.7	70.3
67.5°	1053.4	873.5	706.9	551.7	410.1	297.1	212.2	151.9	105.3	75.2	59.4
70°	1080.2	885.9	716.1	549.8	389.7	266.4	178.7	118.1	77.3	58.5	47.8
72.5°	1050.7	856.4	677.1	496.9	325.2	198.8	125.1	80.4	55.4	45.4	39.6
75°	935.0	726.7	563.5	384.2	232.9	123.9	77.6	56.3	43.8	37.8	34.7
77.5°	698.1	541.6	387.9	243.3	133.3	75.2	54.5	42.9	36.8	33.2	30.4
80°	439.0	333.7	233.2	134.0	76.1	55.4	45.4	38.4	33.5	28.9	26.2
82.5°	244.5	177.8	118.7	76.4	53.0	44.8	39.3	35.3	29.8	25.3	22.5
85°	167.1	109.9	74.9	50.2	36.5	32.6	29.2	26.8	22.8	19.2	17.7
87.5°	67.9	63.3	46.0	20.1	14.9	13.4	11.9	14.6	12.2	9.4	8.8
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°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	312.4	311.8	312.1	311.8	311.5	311.1	310.8	311.1	310.5	310.8	310.8
5°	311.5	310.8	311.8	311.5	310.8	310.8	310.5	310.5	310.5	310.5	310.8
7.5°	308.7	308.7	309.6	309.6	309.0	309.0	308.4	308.1	308.1	308.4	309.0
10°	305.1	306.0	307.5	306.9	305.7	305.1	304.1	303.5	303.2	303.8	304.5
12.5°	302.3	302.9	302.0	301.1	299.3	297.1	296.8	295.3	294.4	295.9	295.9
15°	297.8	295.3	292.0	288.9	284.7	282.5	280.1	279.5	277.4	277.7	279.2
17.5°	288.0	281.6	276.4	273.4	269.7	268.2	265.5	264.0	262.4	260.9	261.8
20°	274.3	267.3	260.6	256.7	250.9	249.6	245.1	245.1	243.3	243.6	245.4
22.5°	257.0	246.3	237.8	232.9	226.8	224.4	222.2	220.7	219.8	221.6	219.5
25°	234.1	221.3	213.4	206.4	199.7	197.3	194.5	193.6	193.9	192.7	194.8
27.5°	210.7	194.8	186.3	178.4	173.5	169.3	167.1	166.5	165.3	168.7	166.8
30°	181.1	166.8	156.8	148.6	142.8	140.7	138.5	137.9	139.7	137.3	136.1
32.5°	151.3	135.8	127.3	120.3	116.0	111.7	111.1	109.9	107.8	110.5	109.9
35°	124.2	111.1	102.3	98.0	92.2	90.4	86.8	85.9	86.2	86.8	86.5
37.5°	107.8	98.6	90.7	84.9	80.7	78.2	77.0	75.8	75.8	75.2	74.9
40°	100.2	92.6	85.2	79.8	76.4	74.6	73.4	72.2	71.2	70.3	69.4
42.5°	98.9	89.8	81.6	76.1	73.1	72.5	72.2	71.2	70.0	68.5	67.3
45°	98.0	86.5	77.9	73.1	70.9	70.6	70.6	69.7	68.8	67.3	65.5
47.5°	95.0	82.2	74.0	70.3	69.4	69.7	69.4	68.5	67.9	66.4	64.2
50°	88.3	75.8	67.9	65.2	64.8	64.5	64.5	64.2	63.6	62.4	60.3
52.5°	82.5	70.0	63.6	61.8	61.2	61.2	60.6	60.3	59.1	58.1	56.6
55°	78.9	67.0	61.5	60.3	60.3	60.0	59.4	58.5	57.5	56.3	54.5
57.5°	75.5	64.5	60.0	59.1	59.4	59.1	58.5	57.8	56.6	55.1	53.0
60°	70.6	60.9	56.9	56.6	57.2	57.8	57.5	57.2	56.3	54.2	51.1
62.5°	63.6	54.8	51.8	52.4	53.0	53.6	53.3	53.0	52.1	50.2	47.5
65°	56.6	50.2	48.4	49.0	49.6	49.6	49.6	49.0	48.4	46.3	44.1
67.5°	49.9	46.0	45.4	46.0	46.3	46.3	46.6	46.0	45.1	43.5	41.4
70°	42.6	40.8	40.8	41.4	41.7	41.4	41.7	40.8	39.9	39.0	36.8
72.5°	38.1	38.1	37.8	37.8	37.8	37.1	36.8	36.2	35.3	34.4	32.6
75°	33.8	33.8	33.5	34.1	32.9	32.0	31.7	31.1	30.1	28.9	27.7
77.5°	28.9	28.3	28.3	29.2	28.9	27.7	26.8	26.5	25.3	24.1	23.4
80°	25.0	24.4	24.4	24.1	23.4	23.1	21.9	20.7	20.4	20.4	19.5
82.5°	21.9	21.6	20.7	20.1	19.2	18.3	17.4	16.7	15.8	15.5	15.8
85°	17.4	17.7	16.7	16.1	15.2	14.0	13.1	12.5	11.9	11.9	13.1
87.5°	10.0	9.4	9.4	9.1	8.8	7.9	7.9	7.0	6.7	8.5	8.8
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°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	311.1	311.1	310.2	310.8	310.5	310.8	312.1	310.8	310.5	311.5	312.4
5°	311.1	311.8	310.8	311.5	311.5	312.4	313.9	313.0	313.6	314.8	316.0
7.5°	309.9	310.8	310.8	312.1	313.0	314.5	316.6	316.0	317.2	319.1	320.6
10°	306.6	308.1	309.6	311.5	313.6	316.0	319.1	319.1	320.3	322.7	324.2
12.5°	298.4	302.3	304.1	308.4	311.8	315.4	318.8	320.9	321.8	323.9	325.8
15°	281.9	286.8	290.4	295.6	301.1	306.3	312.1	314.2	316.0	316.9	317.8
17.5°	263.0	266.4	268.8	275.5	281.6	286.5	292.0	294.7	296.8	296.8	297.4
20°	247.5	249.0	249.6	249.6	253.3	257.9	264.9	264.0	265.8	264.0	265.8
22.5°	223.5	221.0	222.2	222.2	224.7	223.8	226.5	231.1	230.5	231.7	236.9
25°	194.2	194.5	192.4	192.4	192.7	193.3	194.5	195.8	200.0	204.6	207.9
27.5°	166.5	165.9	164.4	163.2	162.0	164.1	165.6	165.3	171.4	175.1	181.1
30°	136.1	136.1	136.4	135.8	137.0	135.5	137.9	138.5	143.7	147.7	153.1
32.5°	110.8	111.4	111.4	111.1	113.3	111.7	113.0	114.5	117.8	121.2	123.9
35°	88.0	88.9	91.3	92.2	93.2	91.9	93.5	95.3	95.6	98.6	100.8
37.5°	74.6	76.1	76.4	77.0	77.0	77.9	78.2	79.5	79.5	80.4	81.0
40°	68.8	68.2	67.9	67.6	67.0	67.3	67.6	68.5	68.8	69.4	69.4
42.5°	66.1	65.2	63.6	62.7	61.5	61.5	61.5	61.5	62.4	63.0	63.0
45°	63.6	62.1	60.6	59.1	58.1	57.5	57.8	58.1	58.8	59.1	59.4
47.5°	62.1	60.0	57.5	56.0	55.1	54.5	54.8	55.1	55.1	55.4	55.7
50°	57.8	55.7	53.6	52.1	51.1	50.8	50.8	50.5	50.8	51.1	51.1
52.5°	54.5	52.4	50.5	49.0	48.1	48.1	47.8	47.2	47.5	47.2	47.5
55°	52.7	49.9	47.8	46.3	45.4	45.4	44.8	45.1	45.1	44.4	44.8
57.5°	50.5	47.8	46.0	44.1	42.9	42.9	42.6	42.9	43.2	42.3	42.3
60°	48.4	46.0	43.8	42.3	40.8	41.1	40.8	41.4	41.4	40.5	40.5
62.5°	44.4	42.3	41.1	40.2	39.0	39.3	39.3	40.2	39.3	38.7	38.4
65°	41.4	39.9	38.1	38.1	36.8	37.4	37.4	37.4	36.5	36.2	36.5
67.5°	39.3	37.4	36.2	35.0	34.1	34.4	33.8	33.8	33.5	33.2	33.8
70°	35.3	33.8	33.2	32.0	31.4	30.4	30.1	30.1	30.1	29.8	30.1
72.5°	31.4	30.1	29.5	28.3	27.7	27.1	26.8	26.5	26.2	26.5	26.5
75°	26.5	25.9	25.3	24.7	24.1	23.7	23.4	23.4	23.1	22.8	23.1
77.5°	22.8	21.9	21.6	21.0	21.3	20.4	20.1	20.4	20.4	20.4	20.7
80°	19.5	18.9	18.9	18.3	18.0	17.4	17.7	17.7	17.7	17.7	18.0
82.5°	17.0	16.4	16.4	16.1	15.2	14.6	14.9	15.5	15.5	15.2	15.8
85°	14.0	13.4	13.4	13.1	11.9	11.6	11.3	11.9	12.2	11.6	12.2
87.5°	9.1	8.5	8.2	8.2	7.0	4.9	6.4	7.0	7.0	5.8	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	312.1	312.7	312.7	313.3	314.5	313.3	312.7	313.6	313.6	313.3	313.3
5°	316.0	317.2	317.5	319.4	320.3	319.7	320.3	320.9	321.2	320.6	321.2
7.5°	321.2	322.7	324.2	326.4	328.2	327.9	328.8	330.0	330.3	330.3	330.9
10°	325.5	327.6	329.1	331.9	334.0	334.6	335.5	337.0	338.5	338.5	339.8
12.5°	326.4	328.8	330.3	332.8	336.4	337.6	339.8	343.4	344.9	346.2	347.1
15°	318.5	320.6	322.7	326.1	330.3	334.0	338.9	344.0	348.6	351.9	353.2
17.5°	297.8	298.1	300.2	305.1	313.9	317.8	323.9	334.6	341.0	347.1	352.9
20°	267.3	273.1	275.2	281.6	290.1	296.2	303.2	313.0	322.7	333.7	343.4
22.5°	240.5	248.1	254.2	261.8	268.8	275.8	284.7	293.2	303.8	314.5	326.1
25°	213.1	220.1	228.6	236.9	245.1	253.9	264.9	274.0	284.7	297.1	311.8
27.5°	186.6	193.9	203.4	213.1	219.8	231.7	240.8	254.2	266.4	280.1	296.5
30°	158.9	165.9	170.5	181.1	190.6	202.5	216.5	229.6	244.2	259.4	278.6
32.5°	128.8	133.0	139.4	146.7	157.7	170.2	184.8	198.8	218.9	237.8	256.0
35°	103.2	105.3	105.0	113.3	118.1	133.0	151.3	164.7	184.8	207.9	232.0
37.5°	81.3	81.0	82.8	84.0	90.1	99.9	114.2	131.5	154.7	179.6	203.7
40°	69.4	69.7	70.0	70.0	71.2	77.6	90.4	108.4	130.6	152.8	179.3
42.5°	63.9	64.5	64.8	65.5	66.1	68.2	77.3	94.1	113.0	136.7	160.4
45°	60.0	60.9	61.8	61.8	62.4	63.0	68.2	81.0	99.9	122.4	147.4
47.5°	56.6	57.5	58.1	58.5	59.1	59.7	62.4	71.2	89.5	109.9	135.8
50°	51.8	52.7	53.3	54.2	54.2	54.2	56.0	62.4	76.4	96.5	121.8
52.5°	47.8	48.4	49.3	49.9	50.2	50.5	51.5	55.1	65.8	84.6	108.4
55°	45.7	46.3	47.2	47.8	48.4	48.7	49.3	50.8	58.5	74.6	96.8
57.5°	42.9	43.8	45.1	45.7	46.3	46.6	46.9	47.5	52.7	64.8	83.1
60°	41.1	42.6	44.1	45.1	45.4	45.7	46.0	45.4	47.5	55.1	69.4
62.5°	39.0	40.5	41.7	42.9	43.2	43.5	43.8	42.9	42.6	46.3	54.2
65°	37.1	38.1	39.0	39.9	39.9	40.2	39.9	38.7	37.8	37.8	41.4
67.5°	34.7	35.3	36.2	36.5	36.5	36.5	36.2	35.9	34.4	33.8	34.4
70°	31.1	32.0	32.9	33.5	33.5	33.2	32.9	32.0	31.4	30.7	31.4
72.5°	27.7	28.9	29.2	29.5	29.2	29.2	29.2	28.6	28.9	28.9	29.2
75°	24.4	25.0	25.0	25.6	25.6	25.6	25.6	25.6	26.2	25.9	26.2
77.5°	20.7	21.0	21.6	21.6	21.6	21.9	22.5	22.5	23.1	23.4	23.4
80°	18.0	17.4	17.4	17.0	17.4	18.0	18.6	19.8	19.8	20.1	20.4
82.5°	14.3	13.1	12.5	13.1	13.1	13.4	14.6	15.8	15.8	16.7	17.0
85°	11.0	9.4	8.2	8.8	8.8	9.4	10.7	11.3	12.2	12.5	12.2
87.5°	6.4	5.5	3.7	3.0	3.7	4.6	4.9	5.5	4.6	5.2	5.5
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°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5
2.5°	313.9	313.9	312.4	312.4	312.7	313.3	311.8	311.5	311.8	311.5	311.1
5°	322.1	321.2	320.9	320.3	320.0	320.6	319.1	319.1	318.8	318.2	317.2
7.5°	331.2	330.6	330.0	329.4	328.8	329.1	327.6	327.3	327.0	326.7	325.8
10°	339.8	338.9	338.2	336.7	335.5	334.3	331.2	330.3	329.4	328.8	328.5
12.5°	346.8	345.9	343.7	341.0	339.2	336.1	333.7	331.5	330.6	329.7	330.0
15°	353.5	351.6	348.9	345.6	343.7	340.7	338.9	337.9	337.3	336.7	337.3
17.5°	355.6	356.2	354.7	353.8	352.6	351.3	351.6	352.6	354.4	354.4	354.4
20°	351.6	358.3	362.6	365.9	368.7	370.5	370.8	371.7	373.9	374.8	379.3
22.5°	342.2	359.6	373.9	385.4	392.7	395.2	397.9	401.0	401.3	402.2	406.4
25°	333.4	358.6	380.0	398.2	415.3	427.1	433.8	439.9	441.5	442.7	442.7
27.5°	317.8	345.9	373.3	397.6	421.1	440.8	456.4	472.2	483.2	487.1	492.9
30°	301.4	330.9	359.3	390.0	419.8	447.5	475.6	501.1	519.1	532.5	543.1
32.5°	280.7	312.7	344.9	378.4	414.1	448.8	486.2	523.3	557.4	584.2	600.7
35°	259.1	292.6	326.1	362.9	403.1	445.1	492.9	542.2	587.9	631.4	668.9
37.5°	235.3	267.0	303.5	345.6	388.8	439.0	494.7	555.9	619.3	681.7	730.1
40°	208.2	239.0	274.3	318.5	370.8	427.4	493.8	566.6	646.0	723.7	801.6
42.5°	189.7	218.0	251.8	296.2	349.5	414.4	490.2	576.3	670.4	766.6	864.6
45°	175.7	203.4	236.6	279.2	333.4	401.6	488.9	587.3	696.0	806.2	920.7
47.5°	163.5	192.1	224.1	266.1	318.5	390.0	486.2	596.4	717.3	836.6	969.4
50°	151.6	180.8	213.7	256.0	307.5	377.5	480.1	604.6	737.4	868.3	1009.6
52.5°	138.5	167.4	202.8	246.0	300.5	369.6	473.7	611.3	756.9	902.1	1051.3
55°	124.5	153.7	188.5	234.1	291.1	363.5	467.3	615.6	777.3	932.5	1088.7
57.5°	109.3	138.5	172.3	218.9	279.5	355.3	460.3	615.3	792.2	961.1	1129.2
60°	90.7	117.2	150.7	197.6	259.4	343.7	454.5	612.9	802.8	986.4	1174.3
62.5°	69.1	91.6	122.4	166.2	230.5	321.5	439.3	602.5	804.1	1004.7	1211.7
65°	49.3	61.5	85.9	129.7	183.0	271.9	402.5	575.1	784.0	991.6	1215.1
67.5°	37.8	44.4	56.3	82.5	129.7	207.0	339.2	513.6	721.5	921.9	1159.0
70°	32.6	35.9	42.3	53.9	81.3	134.3	240.2	405.8	594.3	793.1	995.6
72.5°	30.1	32.3	36.2	42.0	51.8	79.2	148.0	272.8	436.6	604.6	781.8
75°	27.7	29.8	32.9	36.5	41.4	53.0	80.7	160.4	269.4	399.4	525.5
77.5°	24.7	26.5	30.4	33.8	36.8	41.4	51.5	89.2	148.3	239.0	314.5
80°	20.7	22.5	25.6	30.7	33.8	36.8	40.2	54.8	81.9	123.6	161.4
82.5°	17.0	18.0	20.4	25.0	27.7	29.2	30.1	35.6	46.6	60.9	88.9
85°	11.9	11.9	13.7	16.1	18.3	17.0	17.4	18.3	24.1	33.8	68.2
87.5°	4.6	3.3	4.3	5.2	5.2	4.9	5.8	5.5	7.6	14.3	19.5
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°	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	310.5	0°
2.5°	311.1	311.1	310.8	310.5	310.2	310.2	309.6	310.5	310.2	310.5	310.8	2.5°
5°	317.5	316.9	316.3	315.7	315.7	315.1	314.2	313.9	312.7	312.4	311.5	5°
7.5°	326.7	326.7	326.7	326.1	324.8	323.3	321.5	320.3	316.9	314.5	311.8	7.5°
10°	329.1	329.7	330.0	330.3	329.1	328.8	326.7	324.2	320.3	316.6	313.0	10°
12.5°	330.0	331.2	331.5	331.9	330.9	330.3	328.2	326.7	323.3	319.7	317.8	12.5°
15°	338.5	340.7	343.1	342.8	345.6	342.5	340.7	341.0	337.3	333.4	332.2	15°
17.5°	360.5	361.4	366.6	366.9	371.1	372.3	369.3	365.9	363.8	361.4	356.2	17.5°
20°	384.2	390.9	392.7	401.9	406.1	408.3	408.6	408.6	404.6	394.0	389.7	20°
22.5°	410.1	420.1	431.1	436.9	445.7	446.9	451.5	448.8	445.7	437.5	427.8	22.5°
25°	451.8	457.6	467.3	481.9	486.2	495.0	493.2	497.2	490.5	476.2	470.4	25°
27.5°	498.4	508.4	522.1	535.8	541.9	551.7	545.6	551.7	540.7	536.7	522.7	27.5°
30°	549.2	562.9	587.3	604.3	616.8	623.5	619.6	616.2	613.2	605.9	604.9	30°
32.5°	611.6	628.1	651.2	673.4	695.4	718.2	723.7	728.5	739.8	717.6	696.0	32.5°
35°	688.7	701.1	727.0	752.6	782.7	811.4	858.5	870.4	855.2	828.7	794.0	35°
37.5°	763.9	792.2	818.1	848.5	871.0	903.9	924.9	948.4	935.6	910.9	871.0	37.5°
40°	856.1	894.5	929.8	967.2	992.8	1018.4	1058.0	1083.5	1081.1	1050.4	996.5	40°
42.5°	940.8	1001.6	1060.1	1088.1	1122.2	1168.5	1197.7	1238.5	1241.2	1205.6	1137.1	42.5°
45°	1029.3	1100.3	1171.5	1226.6	1255.6	1312.8	1379.8	1424.2	1437.9	1370.0	1300.0	45°
47.5°	1098.8	1209.3	1304.9	1363.6	1417.5	1476.6	1562.7	1627.0	1621.5	1529.9	1437.3	47.5°
50°	1159.7	1300.3	1416.0	1512.8	1577.4	1645.6	1759.1	1835.8	1809.0	1692.4	1576.7	50°
52.5°	1214.8	1379.8	1522.9	1642.8	1718.0	1815.4	1958.8	2025.8	1949.7	1837.1	1694.0	52.5°
55°	1265.3	1451.6	1617.8	1762.2	1878.2	2003.9	2138.5	2184.4	2076.0	1936.9	1805.4	55°
57.5°	1311.9	1518.3	1705.2	1878.5	2034.0	2184.1	2301.3	2304.4	2168.3	2013.9	1888.5	57.5°
60°	1367.9	1579.5	1796.6	1999.0	2188.7	2344.6	2413.1	2391.5	2227.7	2071.5	1945.7	60°
62.5°	1422.1	1634.6	1871.2	2115.0	2343.7	2479.7	2493.4	2447.8	2268.5	2098.3	1988.7	62.5°
65°	1448.9	1676.6	1912.9	2188.7	2464.8	2560.4	2543.7	2472.1	2284.9	2102.2	1999.6	65°
67.5°	1409.6	1637.3	1873.0	2156.7	2464.2	2555.2	2512.0	2425.6	2245.0	2048.3	1948.8	67.5°
70°	1265.0	1485.7	1677.8	1944.8	2290.7	2380.5	2315.6	2230.1	2079.1	1886.7	1841.3	70°
72.5°	1064.4	1228.2	1388.9	1586.2	1823.4	1901.9	1816.3	1859.0	1820.0	1633.7	1592.3	72.5°
75°	798.9	952.0	1014.7	1075.3	1239.1	1286.0	1253.1	1399.3	1439.1	1361.5	1255.9	75°
77.5°	522.7	683.5	695.1	696.3	763.3	853.1	972.1	1124.0	1199.5	1164.5	1036.3	77.5°
80°	304.8	481.6	430.8	414.4	473.7	573.9	731.0	921.3	1021.1	1028.4	906.0	80°
82.5°	153.1	302.0	261.5	258.8	292.3	366.3	481.0	587.3	717.3	723.4	739.5	82.5°
85°	119.0	207.6	212.5	230.5	253.9	284.7	293.2	312.1	384.5	451.5	468.9	85°
87.5°	61.8	152.8	180.2	209.8	207.0	169.6	143.1	154.4	179.6	189.4	246.0	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°
310.5	310.5	310.5	310.5	310.5	310.5	310.5
310.2	310.8	310.5	310.8	311.1	311.1	310.8
309.9	309.6	308.4	307.8	307.8	307.2	306.9
308.1	306.0	302.9	301.1	299.9	299.0	297.4
308.4	304.8	300.8	298.1	295.3	293.5	291.7
312.4	307.8	304.1	299.9	297.8	295.3	293.2
326.1	320.0	315.7	311.8	309.3	307.5	305.7
348.0	340.7	333.7	330.0	325.8	322.7	322.4
377.5	366.9	357.7	349.5	345.6	340.7	339.8
411.0	395.5	385.7	376.6	371.1	365.3	365.6
453.6	438.1	422.3	412.8	404.9	405.8	404.9
504.8	492.6	474.3	462.8	460.3	450.9	443.9
584.5	566.3	544.1	523.3	510.3	494.7	480.1
662.8	629.0	599.5	579.4	562.6	539.8	517.0
740.1	701.1	673.7	656.7	630.8	598.9	563.2
832.1	806.5	787.0	745.3	708.5	659.4	605.6
964.8	932.5	885.9	833.0	779.7	710.3	636.6
1096.9	1058.0	992.8	914.9	838.5	754.7	661.0
1240.3	1165.1	1080.2	985.8	891.7	787.9	677.7
1353.3	1259.5	1153.6	1040.3	934.1	815.3	692.3
1468.7	1355.4	1222.4	1094.8	972.4	837.5	706.9
1559.4	1433.0	1292.7	1144.4	1008.0	862.5	727.0
1650.1	1510.4	1355.7	1194.1	1052.2	897.2	757.2
1725.6	1580.4	1416.6	1248.2	1103.3	943.5	806.5
1825.2	1678.7	1488.2	1312.5	1161.2	1006.5	868.9
1919.9	1794.1	1587.7	1388.0	1231.8	1077.8	939.8
1982.3	1924.4	1689.7	1463.8	1298.2	1144.4	1002.2
1983.5	2007.2	1797.2	1525.3	1360.3	1216.9	1053.4
1935.7	2018.8	1820.0	1530.8	1389.8	1249.2	1080.2
1770.4	1876.3	1683.3	1422.7	1335.0	1223.9	1050.7
1369.4	1446.1	1346.3	1205.9	1209.0	1144.1	935.0
948.1	1020.5	936.5	906.7	973.3	937.1	698.1
718.2	624.7	591.9	607.7	690.8	686.8	439.0
639.6	472.8	392.1	411.6	487.7	445.4	244.5
524.6	471.6	394.3	356.5	371.7	304.1	167.1
302.0	344.9	281.0	264.9	230.5	137.0	67.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)