

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: P153344

Luminaire Tested: **VWM-F01-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153344
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-F01-LED-E1-SLR-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2098 lumens
Efficiency: N/A
Efficacy: 81.0 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

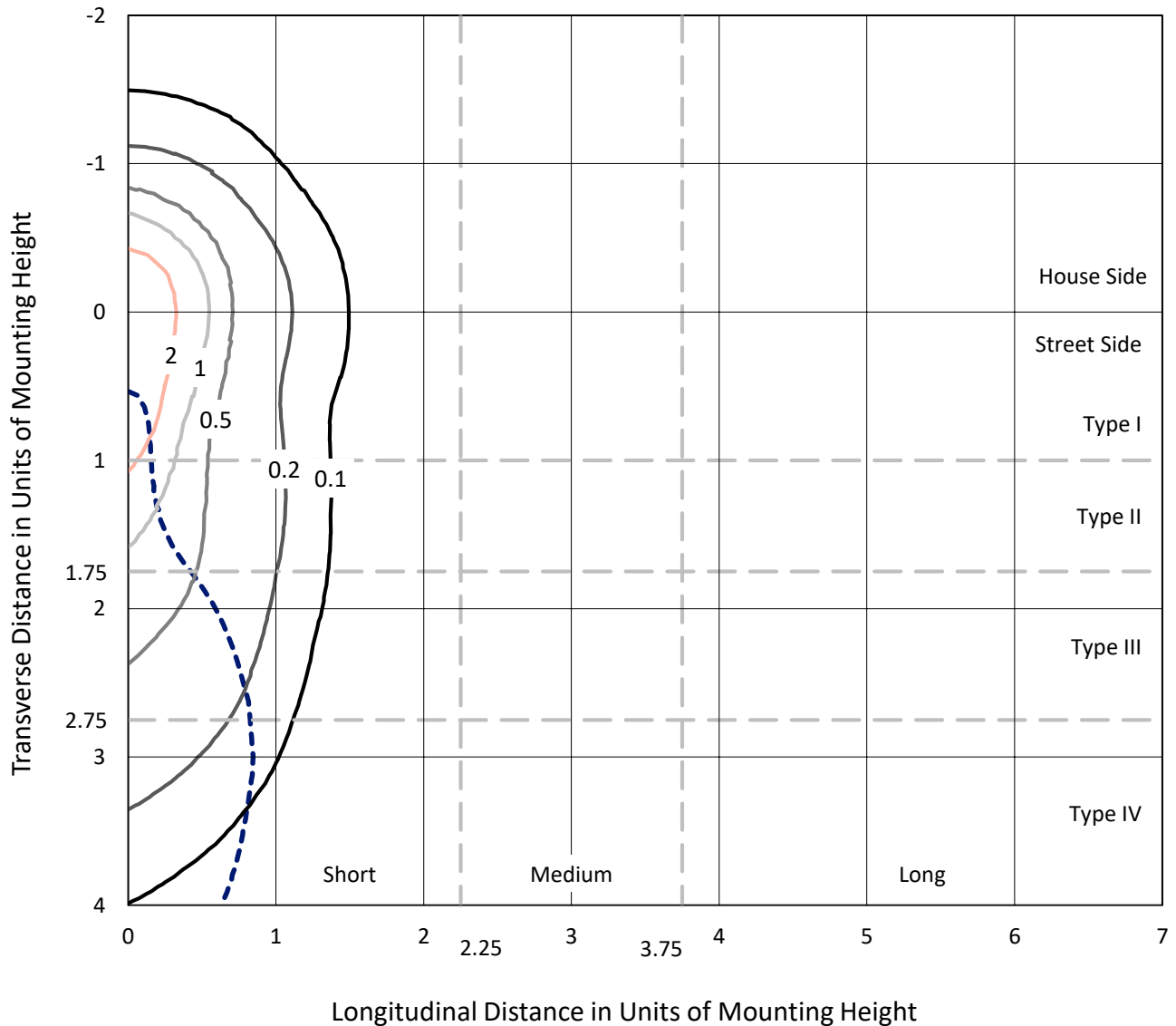


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Iso-Footcandle Lines of Horizontal Illumination

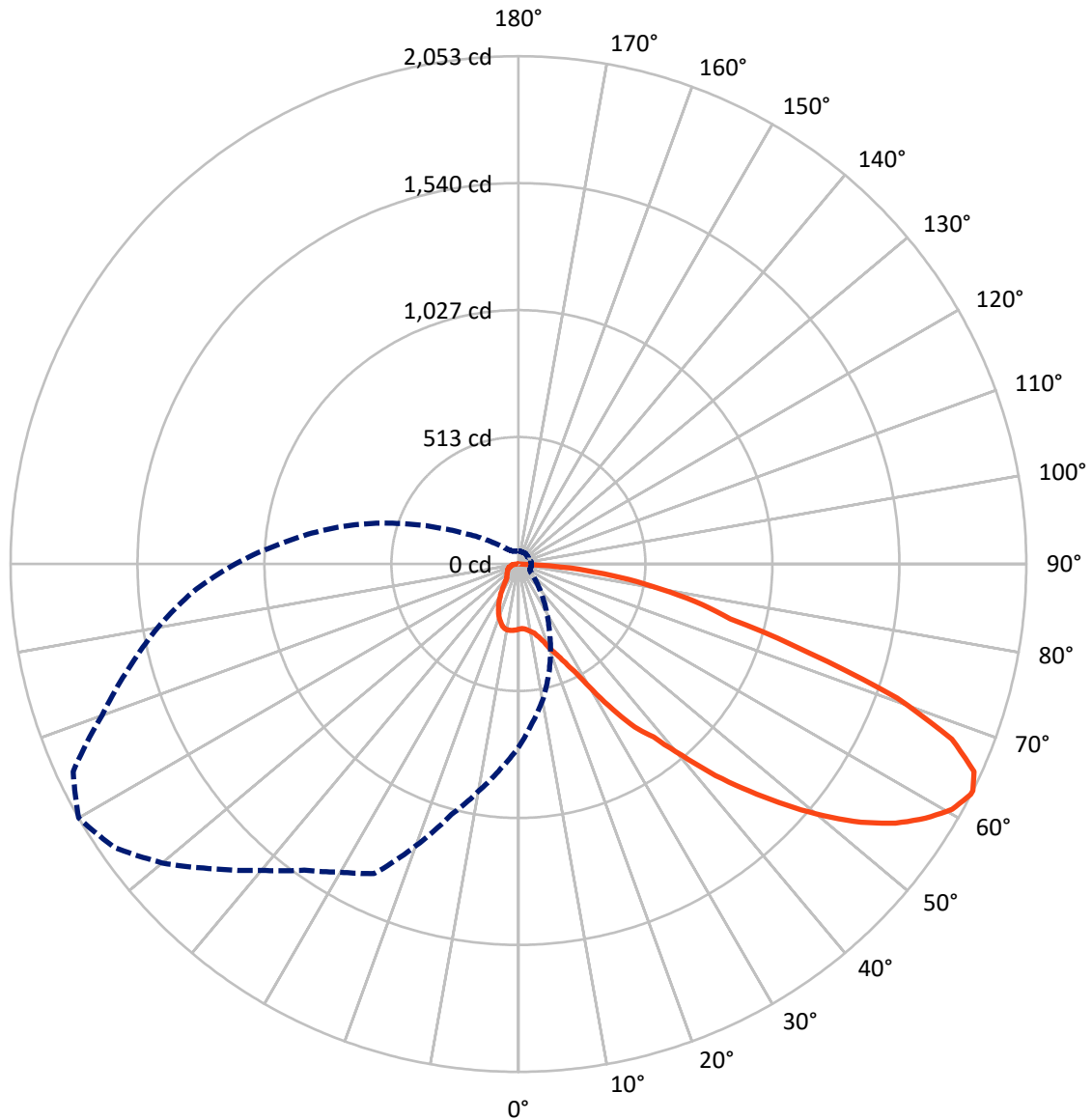
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.9	0.0	454.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1643.0	0.0	1643.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2098.0	0.0	2098.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.2
10°-20°	79.9	3.8
20°-30°	142.0	6.8
30°-40°	223.6	10.7
40°-50°	329.1	15.7
50°-60°	437.1	20.8
60°-70°	481.5	23.0
70°-80°	302.1	14.4
80°-90°	76.9	3.7
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°	2098.0	100.0
0°-180°	2098.0	100.0



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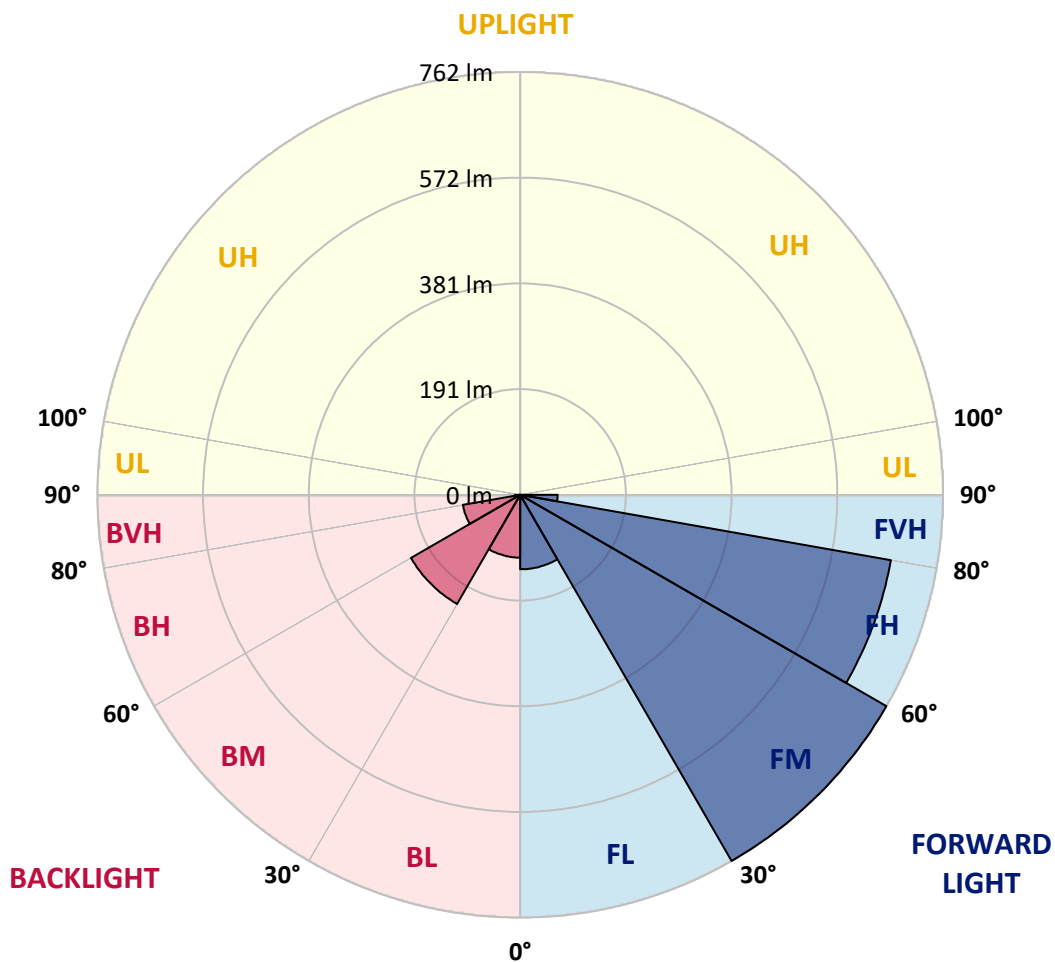
CATALOG NUMBER: VWM-F01-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.3	6.4			
FM (30°-60°)	762.4	36.3			
FH (60°-80°)	678.7	32.4			G1/1800
FVH (80°-90°)	67.5	3.2			G1/100
BL (0°-30°)	113.3	5.4	B1/500		
BM (30°-60°)	227.4	10.8	B1/1000		
BH (60°-80°)	104.9	5.0	B0/110		G0/110
BVH (80°-90°)	9.4	0.4			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°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	260.1	260.9	260.6	260.6	261.1	260.9	260.9	261.1	261.1	261.9	262.9
5°	258.1	257.9	257.4	257.9	257.9	257.9	256.9	257.6	257.9	258.4	258.4
7.5°	260.6	259.9	258.9	259.1	259.1	258.6	257.9	258.1	257.9	257.9	257.6
10°	263.9	262.1	260.9	260.9	260.9	260.4	259.1	259.9	259.9	259.6	259.9
12.5°	269.7	267.7	266.2	265.7	265.7	264.9	263.9	264.9	264.4	264.4	263.9
15°	279.2	277.0	275.2	273.7	274.0	274.0	272.7	271.9	270.9	269.7	267.2
17.5°	293.6	291.0	288.8	287.5	287.8	286.0	282.5	279.0	274.2	269.4	264.1
20°	313.9	313.2	310.1	308.9	305.9	301.6	291.8	283.5	274.2	265.2	256.1
22.5°	349.1	345.6	342.6	337.8	327.7	315.9	299.6	285.0	270.4	257.6	245.6
25°	396.3	390.1	375.2	360.7	340.1	318.9	296.8	278.0	259.9	243.0	228.2
27.5°	442.8	423.7	397.4	371.0	340.8	313.2	285.5	263.1	242.0	223.7	207.3
30°	499.1	467.0	426.5	384.8	342.1	304.9	271.7	245.6	221.2	201.8	184.7
32.5°	551.9	505.4	452.4	397.6	344.8	297.1	255.9	226.2	201.1	176.7	159.8
35°	588.1	527.8	463.5	398.9	338.0	282.2	236.0	201.1	175.9	153.3	133.5
37.5°	609.7	537.6	464.0	389.8	322.2	262.1	210.9	176.2	153.1	131.4	115.9
40°	623.3	539.9	457.4	376.7	302.1	236.8	185.7	154.6	133.5	116.1	104.1
42.5°	629.8	536.3	446.9	360.2	281.7	214.1	168.1	138.7	120.4	108.1	99.0
45°	630.8	530.1	435.6	345.1	263.6	197.8	156.1	132.2	117.1	106.8	97.8
47.5°	630.8	524.5	426.5	334.0	251.8	190.8	155.1	135.0	120.1	108.6	97.8
50°	631.3	522.8	422.7	328.5	247.8	194.5	163.6	143.5	126.7	111.6	97.5
52.5°	633.6	525.0	425.8	332.8	255.1	209.6	179.7	156.3	135.2	115.1	97.5
55°	638.6	532.6	438.6	347.6	274.7	232.5	199.1	170.2	142.0	116.6	96.0
57.5°	652.7	551.7	461.9	376.2	308.1	258.9	216.6	180.0	144.5	115.4	93.0
60°	680.9	589.6	501.9	416.5	343.6	281.5	227.0	181.5	142.3	111.3	88.2
62.5°	725.8	633.1	550.4	460.2	375.0	294.1	228.2	177.7	136.2	104.1	81.2
63°	741.4	643.9	560.7	468.5	379.0	295.1	227.2	176.2	134.7	102.0	80.2
65°	784.9	689.4	596.4	497.6	390.3	295.3	221.7	168.6	127.7	94.2	73.1
67.5°	866.1	749.2	641.4	520.5	394.3	287.3	207.6	154.6	112.8	82.2	64.3
70°	917.4	782.6	658.7	521.0	382.5	264.4	183.2	131.7	94.0	68.1	55.3
72.5°	904.0	749.7	613.0	474.0	331.5	220.9	147.3	103.5	73.4	54.5	46.0
75°	774.4	624.1	500.1	367.2	250.6	162.4	107.8	73.9	54.3	42.7	38.5
77.5°	557.5	449.1	358.6	261.6	168.9	105.1	71.6	52.8	41.2	35.2	31.7
80°	355.1	263.4	219.4	157.3	98.8	65.1	49.3	40.0	33.9	29.4	27.1
82.5°	185.5	129.9	105.6	80.4	54.8	43.0	36.2	32.7	27.9	24.4	23.1
85°	115.6	76.7	56.8	39.7	27.4	24.6	22.6	22.1	19.9	17.6	16.8
87.5°	13.1	11.8	12.3	7.8	5.8	6.3	6.0	8.0	7.8	5.8	6.0
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°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	261.9	262.4	262.4	263.1	263.1	263.6	264.1	264.1	264.7	264.9	265.4
5°	258.9	258.9	258.9	259.9	260.1	261.6	262.1	262.6	263.1	264.9	265.9
7.5°	258.1	257.1	257.6	257.6	258.4	259.6	260.9	261.6	262.4	264.7	266.2
10°	259.6	258.9	258.1	258.1	258.4	258.9	259.9	260.6	261.1	263.4	264.7
12.5°	263.6	261.9	260.4	259.1	258.1	257.9	257.4	257.6	258.1	259.4	261.1
15°	264.4	261.1	257.9	254.6	252.1	250.6	249.3	248.8	248.8	249.6	251.6
17.5°	259.4	253.8	249.1	244.8	242.0	239.3	238.0	237.0	236.5	237.5	237.8
20°	248.6	242.0	235.5	230.5	225.4	224.7	222.7	223.2	223.7	225.2	225.9
22.5°	233.7	225.9	217.9	212.6	208.6	205.1	202.8	203.8	204.6	206.1	206.8
25°	215.6	204.3	195.8	190.5	186.2	183.2	180.7	181.7	180.7	182.5	185.2
27.5°	194.3	181.0	171.9	165.9	162.9	160.3	157.8	157.8	160.3	160.3	162.6
30°	168.4	158.6	146.8	140.5	136.7	135.2	135.0	134.5	136.2	137.2	139.7
32.5°	144.0	131.9	120.6	114.6	111.3	109.6	109.8	110.1	110.8	112.3	116.4
35°	119.4	108.8	100.8	94.0	90.7	87.5	87.5	87.0	87.7	89.5	94.2
37.5°	103.5	94.2	88.0	82.7	79.4	77.4	75.7	74.9	74.9	75.7	77.4
40°	94.8	88.0	82.2	77.7	74.6	72.9	71.9	71.1	70.6	70.6	70.9
42.5°	90.7	83.7	77.9	73.9	71.6	70.6	70.4	70.1	69.4	69.1	68.9
45°	88.7	80.7	74.1	70.9	69.1	68.6	68.9	68.9	68.6	68.1	67.1
47.5°	87.2	77.9	71.4	68.4	67.6	67.6	67.6	67.6	67.4	67.1	66.4
50°	84.7	73.6	66.6	64.3	63.8	63.8	64.1	64.1	64.6	64.1	63.6
52.5°	81.9	69.6	62.6	60.6	60.3	60.1	60.1	60.1	60.3	60.3	60.1
55°	78.9	66.6	60.6	59.1	59.3	59.1	58.8	58.6	58.6	58.3	57.8
57.5°	75.9	64.1	59.1	58.1	58.3	58.3	57.8	57.3	57.1	56.3	55.8
60°	71.4	60.6	56.0	55.5	56.3	56.3	56.3	56.0	56.0	55.8	54.5
62.5°	65.3	55.5	52.0	52.3	52.5	53.0	53.0	53.0	53.0	52.5	51.3
63°	64.1	54.5	51.3	51.3	52.0	52.0	52.3	52.0	52.3	51.8	50.3
65°	59.1	51.3	48.8	49.0	49.5	49.5	49.5	49.3	49.3	48.5	47.8
67.5°	53.3	47.3	45.7	46.0	46.2	46.7	46.5	46.5	46.7	46.2	45.5
70°	46.7	43.0	42.0	42.2	42.5	42.5	42.2	42.2	42.5	42.0	41.2
72.5°	41.7	40.2	39.5	39.5	39.0	39.0	38.5	38.2	38.0	38.0	37.2
75°	35.2	34.9	35.2	35.7	35.2	34.7	34.4	33.7	33.2	33.2	32.9
77.5°	30.2	30.2	30.7	31.4	31.7	31.7	30.9	29.7	29.4	29.4	29.4
80°	26.1	25.6	25.6	26.4	27.1	26.9	25.6	24.4	24.4	25.6	25.9
82.5°	22.9	22.9	22.1	22.4	22.1	21.9	20.6	19.9	19.6	20.6	21.6
85°	18.1	18.3	18.1	17.8	17.6	16.8	15.8	15.1	14.8	15.8	17.3
87.5°	7.3	7.0	6.8	7.0	6.8	7.3	7.0	6.5	6.3	7.0	8.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	265.7	266.2	266.7	266.7	267.2	266.9	267.2	267.4	267.4	267.7	267.7
5°	267.2	267.9	268.9	269.9	270.2	270.9	271.7	271.2	271.9	272.9	272.9
7.5°	267.7	269.4	270.2	271.7	271.9	272.9	274.7	273.4	275.0	275.7	276.0
10°	266.9	268.7	269.9	271.7	272.4	274.2	276.0	275.5	277.2	278.5	278.7
12.5°	262.4	264.1	266.9	269.4	271.4	274.2	277.5	276.5	279.0	280.5	281.2
15°	253.6	255.4	258.4	262.4	266.2	270.4	274.7	275.5	278.0	279.7	280.5
17.5°	239.8	242.0	245.3	249.6	254.3	261.6	267.2	269.9	273.4	274.5	275.7
20°	227.0	229.2	231.2	233.7	237.3	244.3	251.6	257.1	261.6	265.4	266.4
22.5°	209.9	211.9	214.4	216.4	218.9	223.9	230.0	236.3	243.3	245.6	248.1
25°	189.3	190.5	194.0	195.3	197.0	201.3	206.1	210.6	217.4	222.2	223.4
27.5°	167.1	168.4	171.7	172.4	174.7	178.7	182.2	184.0	190.3	195.3	199.3
30°	141.5	144.8	148.8	149.3	151.8	154.3	157.6	159.3	165.1	170.4	175.4
32.5°	119.4	122.6	125.9	127.9	129.2	131.2	134.5	136.2	141.8	146.5	151.6
35°	96.8	100.8	104.3	107.1	108.1	110.6	113.1	114.9	120.6	124.9	128.4
37.5°	79.7	82.7	86.5	89.2	92.0	93.7	96.8	99.3	102.8	105.1	108.8
40°	71.4	72.9	74.9	77.2	79.4	81.4	83.7	85.7	88.0	91.0	93.5
42.5°	68.6	68.9	68.9	69.6	70.9	71.9	73.9	75.4	76.9	79.2	80.4
45°	66.6	66.4	65.8	65.3	65.6	66.1	67.4	68.4	70.1	71.1	71.4
47.5°	65.6	64.6	63.6	62.8	62.6	62.8	63.8	64.8	65.8	66.6	66.9
50°	62.3	61.6	60.1	59.1	58.6	59.1	60.3	60.8	61.8	62.6	62.8
52.5°	59.1	58.1	57.1	56.0	56.0	56.3	57.3	58.3	59.3	59.6	60.1
55°	57.1	55.5	54.5	53.8	53.3	54.0	54.8	56.0	57.3	57.6	58.1
57.5°	55.0	53.5	52.5	51.8	51.3	52.0	52.8	54.5	56.0	56.0	56.0
60°	53.8	52.5	51.0	50.3	49.5	50.3	51.3	53.0	54.5	54.3	54.0
62.5°	50.3	49.0	48.3	48.3	47.5	48.8	49.8	51.8	52.0	51.5	51.0
63°	49.3	48.3	47.8	47.8	47.3	48.5	49.5	51.3	51.3	50.8	50.3
65°	46.7	46.0	45.5	46.0	46.0	47.3	47.5	48.8	48.5	47.8	47.5
67.5°	44.7	44.2	43.7	43.7	43.7	44.0	44.2	44.7	44.5	44.2	44.5
70°	41.5	41.2	40.7	40.7	40.5	40.5	40.5	40.7	40.7	41.0	41.2
72.5°	37.4	36.9	36.9	37.2	36.7	36.9	37.2	36.9	37.4	37.4	37.7
75°	32.9	32.7	33.2	33.7	33.4	33.4	33.7	33.7	33.9	33.9	34.2
77.5°	29.4	29.7	29.9	30.4	30.7	30.7	30.7	30.4	30.7	30.7	30.9
80°	26.1	26.6	27.1	27.6	27.9	27.9	27.9	27.6	27.6	27.6	27.6
82.5°	23.6	24.4	24.9	25.1	25.1	25.1	25.1	25.1	25.1	24.6	24.1
85°	19.9	21.4	21.4	21.6	20.9	20.4	19.9	20.1	20.4	19.4	19.1
87.5°	10.1	10.1	10.6	11.1	11.3	11.3	12.8	12.1	11.8	11.6	11.1
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°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.9	267.7	268.2	267.7	267.9	268.2	267.7	268.4	268.9	268.2	267.4
5°	273.4	273.4	274.7	275.2	275.5	277.0	276.2	276.7	277.2	277.0	277.2
7.5°	277.0	278.0	279.2	280.5	280.7	282.0	281.7	282.5	283.0	284.3	284.3
10°	280.0	281.2	283.0	284.3	285.5	286.5	287.0	288.5	288.8	289.8	289.8
12.5°	282.7	284.3	286.0	288.0	289.3	291.3	291.5	293.8	294.6	294.8	294.1
15°	282.2	284.0	286.0	288.3	290.5	293.1	294.6	296.8	298.1	298.6	297.3
17.5°	277.5	279.0	281.5	284.5	287.3	290.5	293.3	296.6	298.6	299.1	298.8
20°	268.2	269.2	272.4	276.5	279.7	284.8	288.8	293.8	297.1	299.6	300.3
22.5°	249.8	252.3	255.6	260.1	264.9	271.2	277.0	284.3	291.3	297.3	303.4
25°	227.7	232.2	237.3	243.3	249.1	255.6	262.1	270.4	280.7	293.3	307.6
27.5°	205.3	213.1	219.4	227.2	234.0	240.5	247.8	256.9	268.2	283.3	301.6
30°	182.7	191.5	198.3	207.3	216.4	225.2	232.5	242.0	253.1	268.4	288.5
32.5°	158.6	167.4	175.4	183.7	193.8	204.3	213.1	224.9	236.8	252.6	272.9
35°	133.7	141.5	148.3	157.1	168.1	179.5	191.0	204.6	217.4	234.0	255.6
37.5°	112.1	117.6	124.2	131.9	140.5	152.6	165.6	181.7	196.3	214.4	236.5
40°	94.2	97.3	101.0	107.6	115.4	127.2	140.0	157.1	174.7	194.5	215.9
42.5°	80.4	81.9	82.9	87.2	93.5	105.1	117.4	134.0	153.3	174.9	196.5
45°	71.4	72.1	72.4	74.6	79.2	89.2	102.0	116.1	134.7	155.8	178.4
47.5°	67.1	67.9	68.4	68.9	71.6	79.4	91.0	104.3	121.4	140.7	163.9
50°	63.6	64.3	65.1	64.8	66.1	71.1	80.9	93.2	109.3	127.2	150.0
52.5°	60.1	60.6	60.6	60.6	61.3	64.6	71.6	82.9	97.8	114.6	137.2
55°	58.1	58.6	58.8	59.1	59.3	61.1	66.4	75.4	88.2	103.8	124.2
57.5°	56.0	56.3	56.8	57.1	57.6	58.6	61.8	68.4	79.2	92.2	109.3
60°	54.3	54.8	55.8	56.0	56.5	56.8	58.3	62.3	69.4	79.4	93.2
62.5°	51.5	52.3	53.3	53.5	54.0	54.3	54.5	56.8	60.1	66.1	76.4
63°	50.8	51.5	52.8	53.0	53.3	53.3	53.5	55.0	58.1	63.3	70.9
65°	48.0	49.0	49.8	50.0	50.3	50.3	50.0	50.5	50.8	53.0	57.6
67.5°	45.0	45.7	46.2	46.5	46.2	46.5	46.2	45.7	45.2	45.7	47.8
70°	42.0	42.5	42.5	42.7	43.0	43.2	42.7	42.2	41.7	41.5	42.7
72.5°	38.5	39.0	39.0	39.2	39.2	39.7	39.7	39.5	39.5	39.7	40.0
75°	34.9	35.4	35.2	35.7	35.7	36.4	36.4	36.7	37.2	36.9	36.7
77.5°	31.7	31.9	31.9	32.2	32.4	33.7	34.4	34.7	34.7	34.2	33.7
80°	28.1	28.1	27.6	27.4	27.6	28.9	30.4	30.7	31.4	31.2	31.4
82.5°	23.6	22.6	21.9	21.9	22.4	23.1	23.6	24.1	24.6	24.6	25.1
85°	18.1	17.1	16.3	16.6	17.3	17.6	17.3	17.3	18.3	19.1	18.3
87.5°	10.8	9.8	9.3	8.5	8.8	9.6	9.3	8.5	8.8	7.0	6.5
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°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.9	267.7	267.2	266.4	266.2	265.7	265.9	265.2	264.7	264.1	263.4
5°	277.2	277.2	275.7	275.7	275.0	274.7	272.9	272.2	270.7	271.2	269.4
7.5°	283.8	284.5	282.7	282.5	281.5	281.2	279.0	278.2	277.0	276.5	275.0
10°	288.5	288.5	286.3	284.5	283.3	282.0	279.7	278.7	277.7	278.0	277.0
12.5°	292.3	290.5	287.3	284.8	283.0	281.7	280.0	279.2	279.0	280.7	281.0
15°	295.3	292.8	288.8	287.0	285.5	285.3	285.3	286.0	287.8	291.0	293.6
17.5°	297.1	295.6	293.6	293.1	295.6	297.1	299.1	301.3	303.9	308.4	311.1
20°	300.3	301.3	302.9	304.9	308.9	312.7	315.2	318.4	321.5	327.0	331.5
22.5°	308.9	314.7	319.4	323.5	329.5	334.8	338.0	342.6	344.8	348.6	355.6
25°	319.9	331.8	341.8	350.4	359.7	365.2	369.7	375.5	379.0	385.3	391.6
27.5°	316.7	333.5	348.6	364.4	377.2	391.6	401.6	411.2	417.2	426.5	434.8
30°	306.6	326.7	347.1	367.9	388.3	408.9	428.0	445.4	458.7	472.0	485.6
32.5°	293.1	316.2	341.1	366.7	393.3	422.0	448.4	474.5	496.6	516.0	534.8
35°	277.5	303.6	329.5	361.2	394.1	430.5	467.2	503.4	537.1	571.3	594.4
37.5°	258.9	285.5	314.4	350.9	389.6	434.6	481.3	528.5	576.3	622.3	662.3
40°	239.0	266.2	296.6	336.0	379.8	432.0	490.3	553.9	619.5	686.1	739.2
42.5°	221.4	249.3	282.5	322.5	370.0	428.8	497.6	575.8	656.0	738.4	816.3
45°	204.3	235.0	269.9	312.9	365.7	431.3	508.4	596.2	688.6	788.7	883.7
47.5°	189.0	220.2	254.1	301.1	359.4	432.5	519.0	616.5	719.6	827.9	940.7
50°	175.2	205.3	238.8	286.0	349.6	431.8	528.5	634.9	746.2	858.8	984.7
52.5°	161.6	192.3	226.4	271.4	337.5	427.5	533.1	649.9	770.8	890.0	1020.2
55°	148.3	178.4	212.9	257.6	321.7	416.5	532.6	659.7	790.4	919.4	1054.3
57.5°	132.7	161.4	195.0	242.3	304.9	399.4	525.0	664.3	807.3	948.5	1095.3
60°	113.4	140.2	172.7	219.9	282.7	377.5	509.2	661.8	817.1	970.1	1130.2
62.5°	89.5	112.8	142.5	188.7	255.1	346.1	479.5	638.9	801.5	967.1	1146.6
63°	84.4	106.6	135.5	181.2	243.3	337.5	470.7	629.8	794.0	960.8	1144.3
65°	67.9	82.2	105.3	146.3	203.6	295.6	427.0	583.3	753.5	916.6	1111.6
67.5°	52.0	59.3	71.6	100.3	144.0	232.5	345.8	494.4	654.0	807.3	1006.3
70°	44.5	47.8	53.0	66.6	91.5	146.8	242.8	368.7	506.9	639.9	818.8
72.5°	40.5	42.0	44.7	50.5	62.8	88.0	154.8	240.0	344.8	456.2	594.4
75°	37.2	38.5	40.7	43.7	48.3	58.6	88.2	146.8	224.2	299.6	401.1
77.5°	33.9	34.7	37.2	40.0	43.0	48.3	58.3	84.4	128.9	176.7	241.8
80°	31.2	30.7	32.4	36.9	40.0	43.0	46.0	54.8	73.4	96.8	130.7
82.5°	24.9	25.4	26.9	31.4	32.7	31.9	32.4	33.9	41.0	44.7	66.9
85°	16.8	15.6	15.3	15.8	15.8	15.1	15.1	14.8	16.3	18.6	31.9
87.5°	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	0°
2.5°	262.9	262.6	262.9	261.6	261.6	261.4	261.1	260.6	260.6	259.6	260.4	2.5°
5°	267.9	267.4	266.4	264.9	264.1	263.1	263.1	262.1	261.4	260.4	260.6	5°
7.5°	273.7	274.0	272.2	270.9	270.4	269.4	269.7	268.2	268.4	267.7	267.2	7.5°
10°	277.0	277.0	277.5	277.2	277.7	277.7	278.5	277.5	277.0	276.2	276.2	10°
12.5°	282.2	283.3	285.3	285.3	286.8	287.3	287.5	288.0	287.0	286.5	284.8	12.5°
15°	295.3	297.8	299.6	302.1	305.1	306.1	306.1	305.1	304.6	303.9	300.6	15°
17.5°	316.9	322.5	324.0	328.0	328.5	329.7	333.3	331.3	330.0	324.7	323.7	17.5°
20°	339.0	346.1	353.1	358.1	360.7	365.7	366.4	365.4	360.4	355.4	353.1	20°
22.5°	365.7	376.2	384.3	392.1	395.8	398.4	403.9	402.6	398.6	391.1	388.1	22.5°
25°	403.4	416.5	425.0	434.6	439.6	442.1	447.6	447.6	443.3	441.1	440.8	25°
27.5°	450.9	467.0	481.0	484.3	497.4	500.4	505.7	505.7	501.7	498.9	512.2	27.5°
30°	503.7	520.5	544.9	561.2	577.1	592.6	592.4	593.4	598.2	600.7	606.5	30°
32.5°	556.4	577.3	603.2	638.6	672.6	701.5	738.9	762.8	755.5	735.1	727.1	32.5°
35°	620.5	643.7	675.1	710.8	772.8	810.3	828.4	841.2	842.7	845.5	851.3	35°
37.5°	691.9	730.6	767.1	807.5	842.0	887.5	929.4	963.1	970.9	986.7	977.7	37.5°
40°	782.1	825.4	863.6	915.9	962.1	1016.9	1077.0	1123.2	1141.8	1135.8	1090.5	40°
42.5°	876.6	930.2	974.9	1036.5	1096.6	1168.9	1231.0	1295.6	1307.2	1260.7	1193.1	42.5°
45°	963.6	1030.0	1085.5	1149.6	1223.0	1309.7	1392.6	1459.0	1456.7	1377.0	1286.6	45°
47.5°	1041.8	1123.2	1191.1	1274.5	1353.4	1456.7	1552.0	1601.0	1572.1	1477.8	1367.0	47.5°
50°	1106.4	1207.9	1291.6	1376.0	1476.3	1600.7	1692.5	1720.1	1664.3	1561.8	1445.2	50°
52.5°	1158.4	1285.8	1379.8	1477.1	1603.7	1734.7	1813.6	1803.3	1731.2	1625.9	1509.7	52.5°
55°	1202.4	1345.4	1457.5	1572.3	1729.4	1850.0	1902.6	1874.9	1774.1	1667.3	1554.0	55°
57.5°	1247.9	1403.2	1528.8	1662.1	1837.0	1940.5	1969.7	1912.9	1794.5	1683.2	1573.1	57.5°
60°	1293.4	1451.4	1591.9	1740.5	1918.4	2014.4	2006.4	1921.4	1788.5	1671.6	1560.3	60°
62.5°	1324.0	1480.1	1628.6	1788.7	1979.5	2052.1	2002.9	1891.0	1753.5	1626.1	1522.1	62.5°
63°	1324.8	1481.1	1630.9	1792.0	1986.3	2053.4	1996.1	1880.2	1742.5	1616.8	1510.8	63°
65°	1308.9	1462.2	1610.8	1777.2	1980.5	2024.5	1937.5	1816.4	1679.4	1552.5	1451.9	65°
67.5°	1228.0	1384.3	1515.5	1672.4	1876.9	1889.5	1780.7	1682.9	1559.8	1428.3	1323.3	67.5°
70°	1064.9	1194.8	1323.5	1454.5	1626.1	1623.9	1521.6	1471.8	1364.0	1214.2	1130.0	70°
72.5°	847.0	963.6	1054.1	1141.8	1254.9	1232.0	1166.2	1180.0	1110.1	998.3	948.3	72.5°
75°	628.8	757.0	801.2	836.9	884.7	884.9	903.0	942.2	941.2	879.2	816.1	75°
77.5°	412.4	552.7	567.5	596.2	653.5	731.4	811.8	898.3	919.9	870.9	777.6	77.5°
80°	230.0	375.7	358.6	383.3	445.1	550.9	669.5	765.1	821.4	794.0	695.2	80°
82.5°	117.6	216.6	207.1	241.3	291.3	383.3	461.7	535.1	601.4	597.7	560.2	82.5°
85°	61.1	118.6	135.0	152.8	177.9	210.9	240.5	261.9	289.5	338.3	354.9	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	18.1	13.1	35.9	51.3	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°
263.6	263.6	263.6	263.6	263.6	263.6	263.6
260.6	260.9	260.4	260.4	260.6	260.6	260.1
260.1	260.1	259.6	259.1	258.6	258.6	258.1
265.9	265.9	264.1	263.4	262.1	261.1	260.6
274.5	272.9	270.9	269.4	267.4	265.2	263.9
283.0	280.7	278.2	276.0	273.4	270.9	269.7
297.1	294.1	290.8	288.0	284.5	280.7	279.2
318.7	313.9	309.6	305.6	299.3	296.6	293.6
347.3	340.3	334.8	328.0	320.2	317.7	313.9
382.0	376.0	364.9	359.9	352.1	348.3	349.1
434.8	427.0	414.2	409.4	408.7	400.4	396.3
503.7	504.2	492.4	479.5	472.5	459.4	442.8
601.7	594.9	581.1	568.0	551.4	526.8	499.1
720.3	705.2	682.4	658.0	628.6	590.6	551.9
836.2	809.8	773.3	732.6	690.2	642.9	588.1
938.0	897.0	842.5	795.7	735.6	676.6	609.7
1031.0	980.2	909.8	849.2	778.4	702.5	623.3
1120.9	1056.6	970.4	888.5	808.3	719.8	629.8
1206.6	1123.7	1021.4	923.9	830.1	731.1	630.8
1272.5	1182.0	1067.2	949.5	845.2	739.7	630.8
1333.6	1231.3	1102.1	969.6	859.3	745.4	631.3
1381.1	1266.0	1124.7	984.0	870.4	749.7	633.6
1415.5	1288.6	1139.8	992.8	878.4	755.8	638.6
1439.6	1303.4	1148.1	1000.5	888.2	766.3	652.7
1451.2	1330.8	1161.9	1016.1	905.0	788.7	680.9
1442.4	1373.3	1201.4	1042.5	928.4	823.6	725.8
1438.6	1381.1	1212.2	1048.3	933.7	831.2	741.4
1409.2	1388.9	1256.7	1077.5	958.8	864.6	784.9
1318.0	1358.2	1294.1	1126.7	1012.9	945.8	866.1
1199.9	1312.7	1287.3	1133.0	1047.3	1012.4	917.4
1058.4	1175.2	1151.6	1049.3	1009.3	1013.1	904.0
832.9	920.6	905.0	869.1	877.1	904.8	774.4
667.3	655.5	619.5	622.0	668.5	701.0	557.5
545.1	441.3	394.6	395.8	477.0	510.7	355.1
518.7	417.5	340.1	297.1	347.1	334.3	185.5
369.5	370.2	307.1	249.6	241.8	205.6	115.6
87.5	70.1	50.0	37.2	39.2	25.9	13.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)