

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: P153345

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153345  
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  
Description: VISION WALL MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2297 lumens  
Efficiency: N/A  
Efficacy: 88.7 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): 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

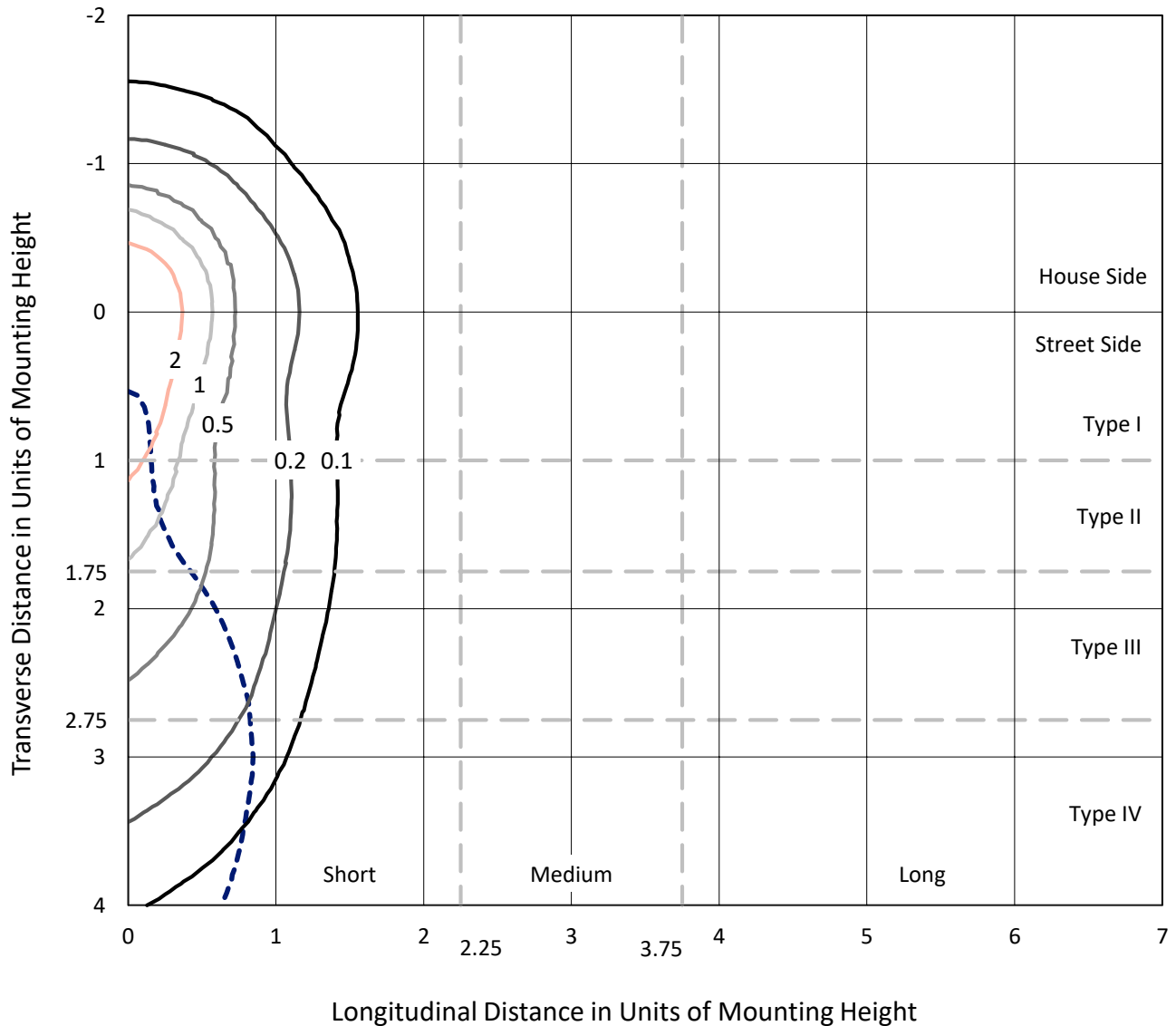


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### Iso-Footcandle Lines of Horizontal Illumination

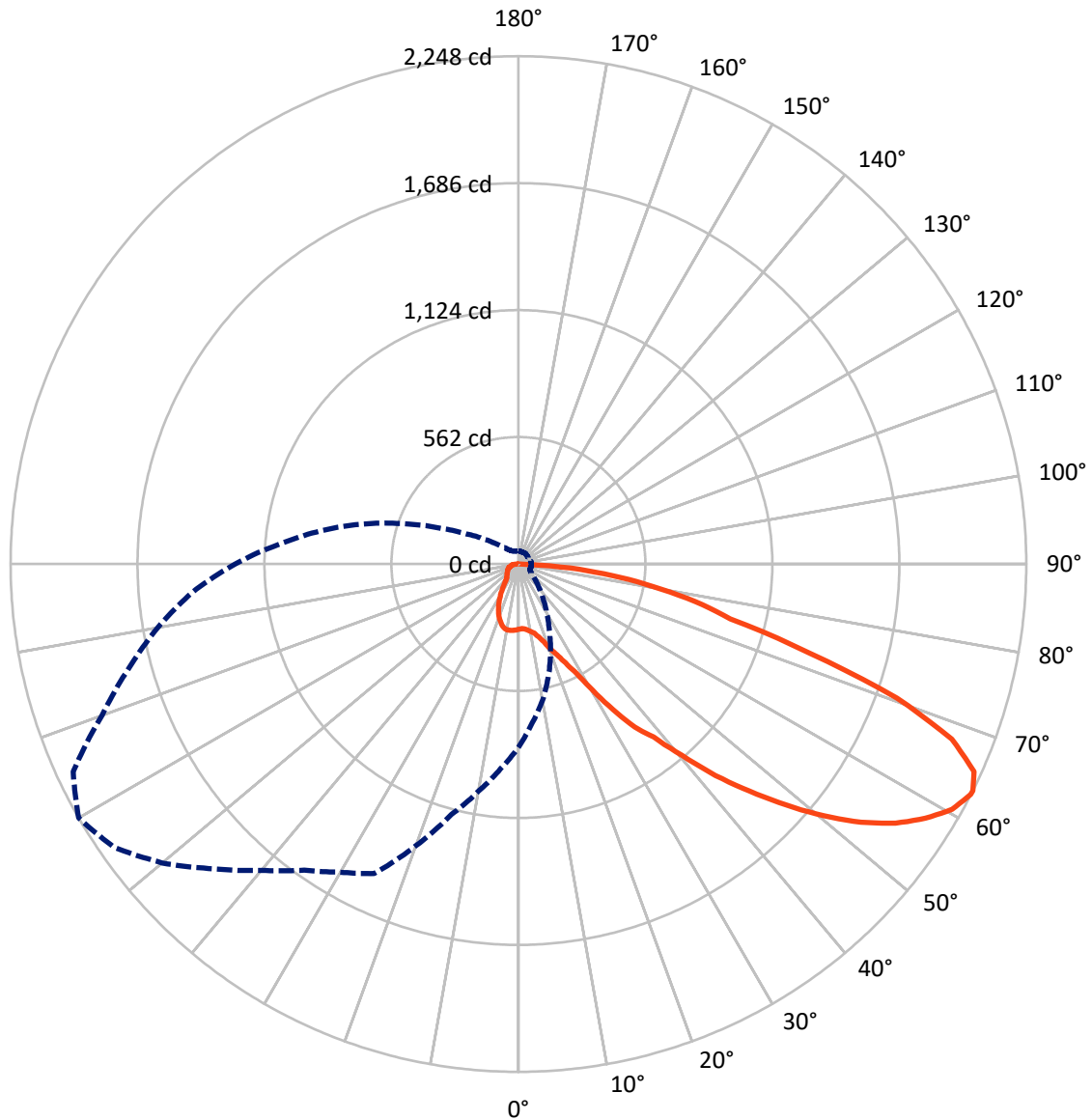
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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
<b>House Side</b>	Lumens	498.1	0.0	498.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1798.9	0.0	1798.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2297.0	0.0	2297.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.1	1.2
10°-20°	87.5	3.8
20°-30°	155.5	6.8
30°-40°	244.8	10.7
40°-50°	360.3	15.7
50°-60°	478.6	20.8
60°-70°	527.2	23.0
70°-80°	330.8	14.4
80°-90°	84.2	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°	2297.0	100.0
0°-180°	2297.0	100.0

**Coefficient of Utilization**



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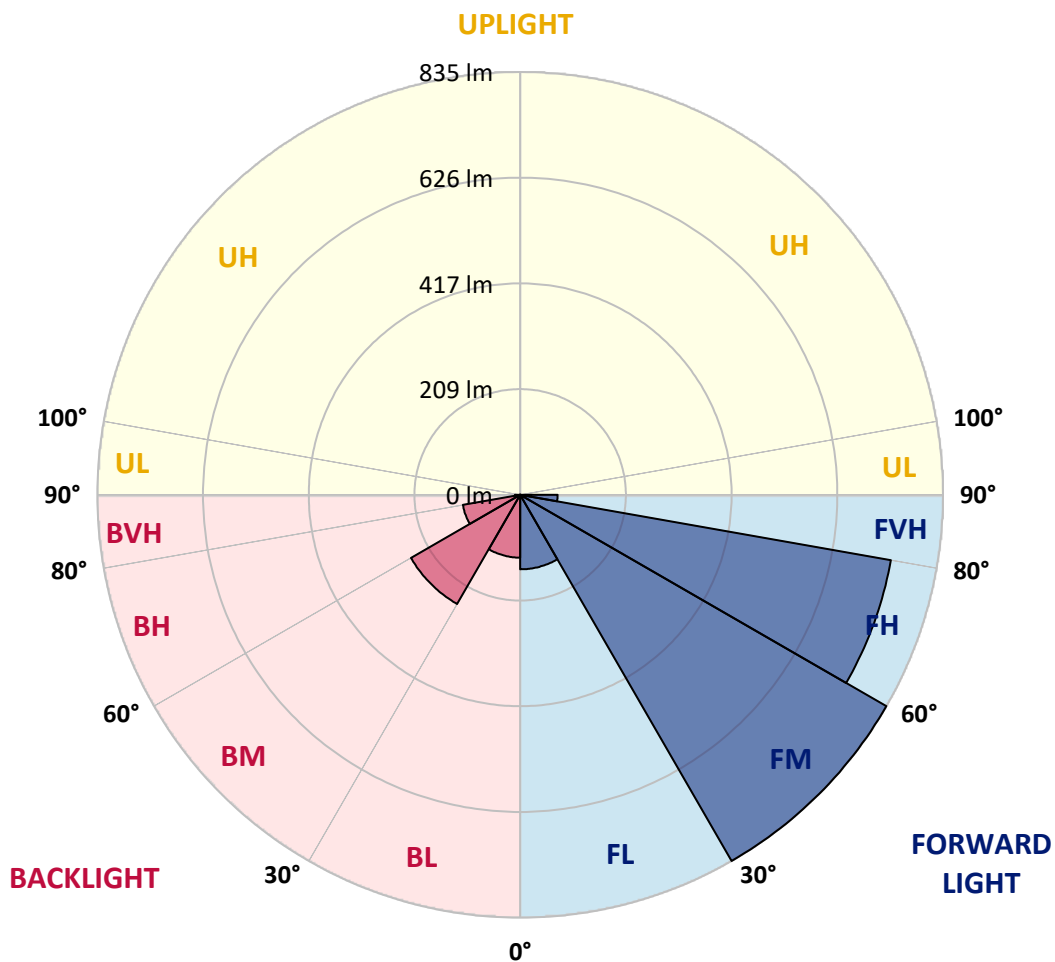
CATALOG NUMBER: VWM-F01-LED-E1-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.1	6.4			
FM (30°-60°)	834.8	36.3			
FH (60°-80°)	743.1	32.4			G1/1800
FVH (80°-90°)	73.9	3.2			G1/100
BL (0°-30°)	124.0	5.4	B1/500		
BM (30°-60°)	249.0	10.8	B1/1000		
BH (60°-80°)	114.8	5.0	B1/500		G1/500
BVH (80°-90°)	10.3	0.4			G1/100
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°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	284.8	285.6	285.4	285.4	285.9	285.6	285.6	285.9	285.9	286.7	287.8
5°	282.6	282.3	281.8	282.3	282.3	282.3	281.2	282.1	282.3	282.9	282.9
7.5°	285.4	284.5	283.4	283.7	283.7	283.2	282.3	282.6	282.3	282.3	282.1
10°	288.9	287.0	285.6	285.6	285.6	285.1	283.7	284.5	284.5	284.3	284.5
12.5°	295.3	293.1	291.4	290.9	290.9	290.0	288.9	290.0	289.5	289.5	288.9
15°	305.7	303.2	301.3	299.7	299.9	299.9	298.6	297.7	296.6	295.3	292.5
17.5°	321.4	318.7	316.2	314.8	315.1	313.1	309.3	305.4	300.2	295.0	289.2
20°	343.7	342.9	339.6	338.2	334.9	330.2	319.5	310.4	300.2	290.3	280.4
22.5°	382.2	378.4	375.1	369.8	358.8	345.9	328.0	312.0	296.1	282.1	268.8
25°	434.0	427.1	410.8	394.9	372.3	349.2	325.0	304.3	284.5	266.1	249.9
27.5°	484.9	463.9	435.1	406.2	373.1	342.9	312.6	288.1	265.0	244.9	227.0
30°	546.5	511.3	467.0	421.3	374.5	333.8	297.5	268.8	242.2	221.0	202.3
32.5°	604.3	553.4	495.3	435.3	377.5	325.3	280.1	247.7	220.1	193.4	175.0
35°	643.9	577.9	507.4	436.7	370.1	309.0	258.4	220.1	192.6	167.9	146.1
37.5°	667.6	588.6	508.0	426.8	352.8	287.0	230.9	192.9	167.6	143.9	126.9
40°	682.4	591.1	500.8	412.5	330.8	259.2	203.4	169.2	146.1	127.1	113.9
42.5°	689.6	587.2	489.3	394.3	308.5	234.4	184.1	151.9	131.8	118.3	108.4
45°	690.7	580.3	476.9	377.8	288.7	216.6	170.9	144.7	128.2	116.9	107.0
47.5°	690.7	574.3	467.0	365.7	275.7	208.9	169.8	147.8	131.5	118.9	107.0
50°	691.2	572.4	462.8	359.7	271.3	213.0	179.1	157.1	138.7	122.2	106.8
52.5°	693.7	574.8	466.1	364.3	279.3	229.5	196.8	171.2	148.0	126.0	106.8
55°	699.2	583.1	480.2	380.6	300.8	254.5	217.9	186.3	155.5	127.7	105.1
57.5°	714.6	604.0	505.8	411.9	337.4	283.4	237.2	197.0	158.2	126.3	101.8
60°	745.4	645.6	549.5	456.0	376.2	308.2	248.5	198.7	155.7	121.9	96.6
62.5°	794.7	693.2	602.6	503.8	410.6	322.0	249.9	194.5	149.1	113.9	88.9
63°	811.8	705.0	613.9	512.9	415.0	323.1	248.8	192.9	147.5	111.7	87.8
65°	859.4	754.8	653.0	544.8	427.3	323.3	242.7	184.6	139.8	103.2	80.1
67.5°	948.3	820.3	702.2	569.9	431.7	314.5	227.3	169.2	123.6	90.0	70.4
70°	1004.4	856.9	721.2	570.4	418.8	289.5	200.6	144.2	102.9	74.6	60.5
72.5°	989.8	820.8	671.2	519.0	363.0	241.9	161.3	113.4	80.4	59.7	50.4
75°	847.8	683.3	547.6	402.0	274.3	177.8	118.1	80.9	59.4	46.8	42.1
77.5°	610.3	491.7	392.7	286.5	184.9	115.0	78.4	57.8	45.1	38.5	34.7
80°	388.8	288.4	240.2	172.3	108.1	71.3	53.9	43.8	37.1	32.2	29.7
82.5°	203.1	142.3	115.6	88.1	60.0	47.1	39.6	35.8	30.5	26.7	25.3
85°	126.6	83.9	62.2	43.5	30.0	27.0	24.8	24.2	21.7	19.3	18.4
87.5°	14.3	12.9	13.5	8.5	6.3	6.9	6.6	8.8	8.5	6.3	6.6
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°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	286.7	287.3	287.3	288.1	288.1	288.7	289.2	289.2	289.8	290.0	290.6
5°	283.4	283.4	283.4	284.5	284.8	286.5	287.0	287.6	288.1	290.0	291.1
7.5°	282.6	281.5	282.1	282.1	282.9	284.3	285.6	286.5	287.3	289.8	291.4
10°	284.3	283.4	282.6	282.6	282.9	283.4	284.5	285.4	285.9	288.4	289.8
12.5°	288.7	286.7	285.1	283.7	282.6	282.3	281.8	282.1	282.6	284.0	285.9
15°	289.5	285.9	282.3	278.8	276.0	274.3	273.0	272.4	272.4	273.2	275.5
17.5°	284.0	277.9	272.7	268.0	265.0	262.0	260.6	259.5	258.9	260.0	260.3
20°	272.1	265.0	257.8	252.3	246.8	246.0	243.8	244.4	244.9	246.6	247.4
22.5°	255.9	247.4	238.6	232.8	228.4	224.5	222.1	223.2	224.0	225.6	226.5
25°	236.1	223.7	214.4	208.6	203.9	200.6	197.9	199.0	197.9	199.8	202.8
27.5°	212.7	198.1	188.2	181.6	178.3	175.6	172.8	172.8	175.6	175.6	178.0
30°	184.4	173.6	160.7	153.8	149.7	148.0	147.8	147.2	149.1	150.2	153.0
32.5°	157.7	144.5	132.1	125.5	121.9	120.0	120.3	120.5	121.4	123.0	127.4
35°	130.7	119.2	110.3	102.9	99.3	95.8	95.8	95.2	96.0	98.0	103.2
37.5°	113.4	103.2	96.3	90.5	87.0	84.8	82.8	82.0	82.0	82.8	84.8
40°	103.7	96.3	90.0	85.0	81.7	79.8	78.7	77.9	77.3	77.3	77.6
42.5°	99.3	91.6	85.3	80.9	78.4	77.3	77.0	76.8	75.9	75.7	75.4
45°	97.1	88.3	81.2	77.6	75.7	75.1	75.4	75.4	75.1	74.6	73.5
47.5°	95.5	85.3	78.1	74.8	74.0	74.0	74.0	74.0	73.7	73.5	72.6
50°	92.7	80.6	72.9	70.4	69.9	69.9	70.2	70.2	70.7	70.2	69.6
52.5°	89.7	76.2	68.5	66.3	66.0	65.8	65.8	65.8	66.0	66.0	65.8
55°	86.4	72.9	66.3	64.7	64.9	64.7	64.4	64.1	64.1	63.8	63.3
57.5°	83.1	70.2	64.7	63.6	63.8	63.8	63.3	62.7	62.5	61.6	61.1
60°	78.1	66.3	61.4	60.8	61.6	61.6	61.6	61.4	61.4	61.1	59.7
62.5°	71.5	60.8	57.0	57.2	57.5	58.1	58.1	58.1	58.1	57.5	56.1
63°	70.2	59.7	56.1	56.1	57.0	57.0	57.2	57.0	57.2	56.7	55.0
65°	64.7	56.1	53.4	53.7	54.2	54.2	54.2	53.9	53.9	53.1	52.3
67.5°	58.3	51.7	50.1	50.4	50.6	51.2	50.9	50.9	51.2	50.6	49.8
70°	51.2	47.1	46.0	46.2	46.5	46.5	46.2	46.2	46.5	46.0	45.1
72.5°	45.7	44.0	43.2	43.2	42.7	42.7	42.1	41.8	41.6	41.6	40.7
75°	38.5	38.2	38.5	39.1	38.5	38.0	37.7	36.9	36.3	36.3	36.0
77.5°	33.0	33.0	33.6	34.4	34.7	34.7	33.8	32.5	32.2	32.2	32.2
80°	28.6	28.1	28.1	28.9	29.7	29.4	28.1	26.7	26.7	28.1	28.3
82.5°	25.0	25.0	24.2	24.5	24.2	23.9	22.6	21.7	21.5	22.6	23.7
85°	19.8	20.1	19.8	19.5	19.3	18.4	17.3	16.5	16.2	17.3	19.0
87.5°	8.0	7.7	7.4	7.7	7.4	8.0	7.7	7.2	6.9	7.7	9.4
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°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	290.9	291.4	292.0	292.0	292.5	292.2	292.5	292.8	292.8	293.1	293.1
5°	292.5	293.3	294.4	295.5	295.8	296.6	297.5	296.9	297.7	298.8	298.8
7.5°	293.1	295.0	295.8	297.5	297.7	298.8	300.8	299.4	301.0	301.9	302.1
10°	292.2	294.2	295.5	297.5	298.3	300.2	302.1	301.6	303.5	304.9	305.2
12.5°	287.3	289.2	292.2	295.0	297.2	300.2	303.8	302.7	305.4	307.1	307.9
15°	277.7	279.6	282.9	287.3	291.4	296.1	300.8	301.6	304.3	306.3	307.1
17.5°	262.5	265.0	268.6	273.2	278.5	286.5	292.5	295.5	299.4	300.5	301.9
20°	248.5	251.0	253.2	255.9	259.8	267.5	275.5	281.5	286.5	290.6	291.7
22.5°	229.8	232.0	234.7	236.9	239.7	245.2	251.8	258.7	266.4	268.8	271.6
25°	207.2	208.6	212.4	213.8	215.7	220.4	225.6	230.6	238.0	243.3	244.6
27.5°	183.0	184.4	187.9	188.8	191.2	195.6	199.5	201.4	208.3	213.8	218.2
30°	154.9	158.5	162.9	163.5	166.2	169.0	172.5	174.5	180.8	186.6	192.1
32.5°	130.7	134.3	137.9	140.1	141.4	143.6	147.2	149.1	155.2	160.4	165.9
35°	105.9	110.3	114.2	117.2	118.3	121.1	123.8	125.8	132.1	136.8	140.6
37.5°	87.2	90.5	94.7	97.7	100.7	102.6	105.9	108.7	112.5	115.0	119.2
40°	78.1	79.8	82.0	84.5	87.0	89.2	91.6	93.8	96.3	99.6	102.4
42.5°	75.1	75.4	75.4	76.2	77.6	78.7	80.9	82.6	84.2	86.7	88.1
45°	72.9	72.6	72.1	71.5	71.8	72.4	73.7	74.8	76.8	77.9	78.1
47.5°	71.8	70.7	69.6	68.8	68.5	68.8	69.9	71.0	72.1	72.9	73.2
50°	68.2	67.4	65.8	64.7	64.1	64.7	66.0	66.6	67.7	68.5	68.8
52.5°	64.7	63.6	62.5	61.4	61.4	61.6	62.7	63.8	64.9	65.2	65.8
55°	62.5	60.8	59.7	58.9	58.3	59.2	60.0	61.4	62.7	63.0	63.6
57.5°	60.3	58.6	57.5	56.7	56.1	57.0	57.8	59.7	61.4	61.4	61.4
60°	58.9	57.5	55.9	55.0	54.2	55.0	56.1	58.1	59.7	59.4	59.2
62.5°	55.0	53.7	52.8	52.8	52.0	53.4	54.5	56.7	57.0	56.4	55.9
63°	53.9	52.8	52.3	52.3	51.7	53.1	54.2	56.1	56.1	55.6	55.0
65°	51.2	50.4	49.8	50.4	50.4	51.7	52.0	53.4	53.1	52.3	52.0
67.5°	49.0	48.4	47.9	47.9	47.9	48.2	48.4	49.0	48.7	48.4	48.7
70°	45.4	45.1	44.6	44.6	44.3	44.3	44.3	44.6	44.6	44.9	45.1
72.5°	41.0	40.5	40.5	40.7	40.2	40.5	40.7	40.5	41.0	41.0	41.3
75°	36.0	35.8	36.3	36.9	36.6	36.6	36.9	36.9	37.1	37.1	37.4
77.5°	32.2	32.5	32.7	33.3	33.6	33.6	33.6	33.3	33.6	33.6	33.8
80°	28.6	29.2	29.7	30.3	30.5	30.5	30.5	30.3	30.3	30.3	30.3
82.5°	25.9	26.7	27.2	27.5	27.5	27.5	27.5	27.5	27.5	27.0	26.4
85°	21.7	23.4	23.4	23.7	22.8	22.3	21.7	22.0	22.3	21.2	20.9
87.5°	11.0	11.0	11.6	12.1	12.4	12.4	14.0	13.2	12.9	12.7	12.1
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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CATALOG NUMBER: VWM-F01-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	293.3	293.1	293.6	293.1	293.3	293.6	293.1	293.9	294.4	293.6	292.8
5°	299.4	299.4	300.8	301.3	301.6	303.2	302.4	303.0	303.5	303.2	303.5
7.5°	303.2	304.3	305.7	307.1	307.4	308.7	308.5	309.3	309.8	311.2	311.2
10°	306.5	307.9	309.8	311.2	312.6	313.7	314.2	315.9	316.2	317.3	317.3
12.5°	309.6	311.2	313.1	315.4	316.7	318.9	319.2	321.7	322.5	322.8	322.0
15°	309.0	310.9	313.1	315.6	318.1	320.9	322.5	325.0	326.4	326.9	325.5
17.5°	303.8	305.4	308.2	311.5	314.5	318.1	321.1	324.7	326.9	327.5	327.2
20°	293.6	294.7	298.3	302.7	306.3	311.8	316.2	321.7	325.3	328.0	328.8
22.5°	273.5	276.3	279.9	284.8	290.0	296.9	303.2	311.2	318.9	325.5	332.1
25°	249.3	254.3	259.8	266.4	272.7	279.9	287.0	296.1	307.4	321.1	336.8
27.5°	224.8	233.3	240.2	248.8	256.2	263.3	271.3	281.2	293.6	310.1	330.2
30°	200.1	209.7	217.1	227.0	236.9	246.6	254.5	265.0	277.1	293.9	315.9
32.5°	173.6	183.3	192.1	201.2	212.2	223.7	233.3	246.3	259.2	276.6	298.8
35°	146.4	154.9	162.4	172.0	184.1	196.5	209.1	224.0	238.0	256.2	279.9
37.5°	122.7	128.8	135.9	144.5	153.8	167.0	181.3	199.0	214.9	234.7	258.9
40°	103.2	106.5	110.6	117.8	126.3	139.2	153.3	172.0	191.2	213.0	236.4
42.5°	88.1	89.7	90.8	95.5	102.4	115.0	128.5	146.7	167.9	191.5	215.2
45°	78.1	79.0	79.3	81.7	86.7	97.7	111.7	127.1	147.5	170.6	195.4
47.5°	73.5	74.3	74.8	75.4	78.4	87.0	99.6	114.2	132.9	154.1	179.4
50°	69.6	70.4	71.3	71.0	72.4	77.9	88.6	102.1	119.7	139.2	164.3
52.5°	65.8	66.3	66.3	66.3	67.1	70.7	78.4	90.8	107.0	125.5	150.2
55°	63.6	64.1	64.4	64.7	64.9	66.9	72.6	82.6	96.6	113.6	135.9
57.5°	61.4	61.6	62.2	62.5	63.0	64.1	67.7	74.8	86.7	101.0	119.7
60°	59.4	60.0	61.1	61.4	61.9	62.2	63.8	68.2	75.9	87.0	102.1
62.5°	56.4	57.2	58.3	58.6	59.2	59.4	59.7	62.2	65.8	72.4	83.7
63°	55.6	56.4	57.8	58.1	58.3	58.3	58.6	60.3	63.6	69.3	77.6
65°	52.6	53.7	54.5	54.8	55.0	55.0	54.8	55.3	55.6	58.1	63.0
67.5°	49.3	50.1	50.6	50.9	50.6	50.9	50.6	50.1	49.5	50.1	52.3
70°	46.0	46.5	46.5	46.8	47.1	47.3	46.8	46.2	45.7	45.4	46.8
72.5°	42.1	42.7	42.7	42.9	42.9	43.5	43.5	43.2	43.2	43.5	43.8
75°	38.2	38.8	38.5	39.1	39.1	39.9	39.9	40.2	40.7	40.5	40.2
77.5°	34.7	34.9	34.9	35.2	35.5	36.9	37.7	38.0	38.0	37.4	36.9
80°	30.8	30.8	30.3	30.0	30.3	31.6	33.3	33.6	34.4	34.1	34.4
82.5°	25.9	24.8	23.9	23.9	24.5	25.3	25.9	26.4	27.0	27.0	27.5
85°	19.8	18.7	17.9	18.2	19.0	19.3	19.0	19.0	20.1	20.9	20.1
87.5°	11.8	10.7	10.2	9.4	9.6	10.5	10.2	9.4	9.6	7.7	7.2
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°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7
2.5°	293.3	293.1	292.5	291.7	291.4	290.9	291.1	290.3	289.8	289.2	288.4
5°	303.5	303.5	301.9	301.9	301.0	300.8	298.8	298.0	296.4	296.9	295.0
7.5°	310.7	311.5	309.6	309.3	308.2	307.9	305.4	304.6	303.2	302.7	301.0
10°	315.9	315.9	313.4	311.5	310.1	308.7	306.3	305.2	304.1	304.3	303.2
12.5°	320.0	318.1	314.5	311.8	309.8	308.5	306.5	305.7	305.4	307.4	307.6
15°	323.3	320.6	316.2	314.2	312.6	312.3	312.3	313.1	315.1	318.7	321.4
17.5°	325.3	323.6	321.4	320.9	323.6	325.3	327.5	329.9	332.7	337.6	340.7
20°	328.8	329.9	331.6	333.8	338.2	342.3	345.1	348.6	351.9	358.0	363.0
22.5°	338.2	344.5	349.7	354.2	360.8	366.5	370.1	375.1	377.5	381.7	389.4
25°	350.3	363.2	374.2	383.6	393.8	399.8	404.8	411.1	415.0	421.8	428.7
27.5°	346.7	365.2	381.7	399.0	413.0	428.7	439.7	450.2	456.8	467.0	476.1
30°	335.7	357.7	380.0	402.9	425.1	447.7	468.6	487.6	502.2	516.8	531.6
32.5°	320.9	346.2	373.4	401.5	430.6	462.0	490.9	519.5	543.7	564.9	585.6
35°	303.8	332.4	360.8	395.4	431.5	471.4	511.6	551.2	588.0	625.5	650.8
37.5°	283.4	312.6	344.2	384.1	426.5	475.8	527.0	578.7	631.0	681.3	725.1
40°	261.7	291.4	324.7	367.9	415.8	473.0	536.9	606.5	678.3	751.2	809.3
42.5°	242.4	273.0	309.3	353.0	405.1	469.4	544.8	630.4	718.2	808.5	893.8
45°	223.7	257.3	295.5	342.6	400.4	472.2	556.7	652.7	754.0	863.5	967.5
47.5°	206.9	241.1	278.2	329.7	393.5	473.6	568.2	675.0	787.8	906.4	1030.0
50°	191.8	224.8	261.4	313.1	382.8	472.8	578.7	695.1	817.0	940.3	1078.1
52.5°	176.9	210.5	247.9	297.2	369.6	468.1	583.6	711.6	844.0	974.4	1116.9
55°	162.4	195.4	233.1	282.1	352.2	456.0	583.1	722.3	865.4	1006.6	1154.4
57.5°	145.3	176.7	213.5	265.3	333.8	437.3	574.8	727.3	883.9	1038.5	1199.2
60°	124.1	153.5	189.0	240.8	309.6	413.3	557.5	724.5	894.6	1062.2	1237.5
62.5°	98.0	123.6	156.0	206.7	279.3	378.9	525.0	699.5	877.5	1058.9	1255.3
63°	92.5	116.7	148.3	198.4	266.4	369.6	515.4	689.6	869.3	1052.0	1252.9
65°	74.3	90.0	115.3	160.2	222.9	323.6	467.5	638.7	825.0	1003.6	1217.1
67.5°	57.0	64.9	78.4	109.8	157.7	254.5	378.6	541.3	716.0	883.9	1101.8
70°	48.7	52.3	58.1	72.9	100.2	160.7	265.8	403.7	555.0	700.6	896.5
72.5°	44.3	46.0	49.0	55.3	68.8	96.3	169.5	262.8	377.5	499.4	650.8
75°	40.7	42.1	44.6	47.9	52.8	64.1	96.6	160.7	245.5	328.0	439.2
77.5°	37.1	38.0	40.7	43.8	47.1	52.8	63.8	92.5	141.2	193.4	264.7
80°	34.1	33.6	35.5	40.5	43.8	47.1	50.4	60.0	80.4	105.9	143.1
82.5°	27.2	27.8	29.4	34.4	35.8	34.9	35.5	37.1	44.9	49.0	73.2
85°	18.4	17.1	16.8	17.3	17.3	16.5	16.5	16.2	17.9	20.4	34.9
87.5°	5.0	2.5	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°	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	288.7	0°
2.5°	287.8	287.6	287.8	286.5	286.5	286.2	285.9	285.4	285.4	284.3	285.1	2.5°
5°	293.3	292.8	291.7	290.0	289.2	288.1	288.1	287.0	286.2	285.1	285.4	5°
7.5°	299.7	299.9	298.0	296.6	296.1	295.0	295.3	293.6	293.9	293.1	292.5	7.5°
10°	303.2	303.2	303.8	303.5	304.1	304.1	304.9	303.8	303.2	302.4	302.4	10°
12.5°	309.0	310.1	312.3	312.3	314.0	314.5	314.8	315.4	314.2	313.7	311.8	12.5°
15°	323.3	326.1	328.0	330.8	334.1	335.2	335.2	334.1	333.5	332.7	329.1	15°
17.5°	347.0	353.0	354.7	359.1	359.7	361.0	364.9	362.7	361.3	355.5	354.4	17.5°
20°	371.2	378.9	386.6	392.1	394.9	400.4	401.2	400.1	394.6	389.1	386.6	20°
22.5°	400.4	411.9	420.7	429.3	433.4	436.2	442.2	440.8	436.4	428.2	424.9	22.5°
25°	441.7	456.0	465.3	475.8	481.3	484.0	490.1	490.1	485.4	482.9	482.7	25°
27.5°	493.7	511.3	526.7	530.3	544.6	547.9	553.7	553.7	549.2	546.2	560.8	27.5°
30°	551.5	569.9	596.6	614.5	631.8	648.9	648.6	649.7	654.9	657.7	664.0	30°
32.5°	609.2	632.1	660.4	699.2	736.4	768.0	809.0	835.2	827.2	804.9	796.1	32.5°
35°	679.4	704.7	739.1	778.2	846.2	887.2	907.0	921.0	922.7	925.7	932.0	35°
37.5°	757.6	799.9	839.8	884.1	921.8	971.6	1017.6	1054.5	1063.0	1080.3	1070.4	37.5°
40°	856.3	903.7	945.5	1002.7	1053.4	1113.4	1179.1	1229.8	1250.1	1243.5	1194.0	40°
42.5°	959.8	1018.4	1067.4	1134.8	1200.6	1279.8	1347.8	1418.5	1431.2	1380.3	1306.3	42.5°
45°	1055.0	1127.7	1188.5	1258.7	1339.0	1433.9	1524.7	1597.4	1594.9	1507.7	1408.6	45°
47.5°	1140.6	1229.8	1304.1	1395.4	1481.8	1594.9	1699.2	1752.9	1721.2	1618.0	1496.7	47.5°
50°	1211.3	1322.5	1414.1	1506.6	1616.4	1752.6	1853.0	1883.3	1822.2	1709.9	1582.3	50°
52.5°	1268.3	1407.8	1510.7	1617.2	1755.9	1899.3	1985.7	1974.4	1895.4	1780.1	1653.0	52.5°
55°	1316.4	1473.0	1595.7	1721.5	1893.5	2025.6	2083.1	2052.8	1942.5	1825.5	1701.4	55°
57.5°	1366.2	1536.3	1673.9	1819.7	2011.3	2124.6	2156.5	2094.4	1964.7	1842.8	1722.3	57.5°
60°	1416.1	1589.1	1743.0	1905.6	2100.4	2205.5	2196.7	2103.7	1958.1	1830.2	1708.3	60°
62.5°	1449.6	1620.5	1783.1	1958.4	2167.3	2246.8	2192.9	2070.4	1919.9	1780.4	1666.5	62.5°
63°	1450.4	1621.6	1785.6	1962.0	2174.7	2248.2	2185.4	2058.6	1907.8	1770.2	1654.1	63°
65°	1433.1	1601.0	1763.6	1945.8	2168.4	2216.5	2121.3	1988.7	1838.7	1699.8	1589.7	65°
67.5°	1344.5	1515.7	1659.3	1831.0	2055.0	2068.8	1949.6	1842.6	1707.7	1563.8	1448.8	67.5°
70°	1165.9	1308.2	1449.1	1592.4	1780.4	1777.9	1665.9	1611.4	1493.4	1329.4	1237.2	70°
72.5°	927.3	1055.0	1154.1	1250.1	1373.9	1348.9	1276.8	1291.9	1215.4	1093.0	1038.2	72.5°
75°	688.5	828.8	877.3	916.3	968.6	968.9	988.7	1031.6	1030.5	962.6	893.5	75°
77.5°	451.6	605.1	621.3	652.7	715.5	800.8	888.8	983.5	1007.1	953.5	851.4	77.5°
80°	251.8	411.4	392.7	419.6	487.3	603.2	733.1	837.6	899.3	869.3	761.1	80°
82.5°	128.8	237.2	226.7	264.2	318.9	419.6	505.5	585.8	658.5	654.4	613.4	82.5°
85°	66.9	129.9	147.8	167.3	194.8	230.9	263.3	286.7	317.0	370.4	388.5	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	19.8	14.3	39.4	56.1	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°
288.7	288.7	288.7	288.7	288.7	288.7	288.7
285.4	285.6	285.1	285.1	285.4	285.4	284.8
284.8	284.8	284.3	283.7	283.2	283.2	282.6
291.1	291.1	289.2	288.4	287.0	285.9	285.4
300.5	298.8	296.6	295.0	292.8	290.3	288.9
309.8	307.4	304.6	302.1	299.4	296.6	295.3
325.3	322.0	318.4	315.4	311.5	307.4	305.7
348.9	343.7	339.0	334.6	327.7	324.7	321.4
380.3	372.6	366.5	359.1	350.6	347.8	343.7
418.3	411.7	399.6	394.1	385.5	381.4	382.2
476.1	467.5	453.5	448.3	447.4	438.4	434.0
551.5	552.0	539.1	525.0	517.3	503.0	484.9
658.8	651.3	636.2	621.9	603.7	576.8	546.5
788.7	772.1	747.1	720.4	688.2	646.7	604.3
915.5	886.6	846.7	802.1	755.6	703.9	643.9
1027.0	982.1	922.4	871.2	805.4	740.8	667.6
1128.8	1073.2	996.1	929.8	852.2	769.1	682.4
1227.3	1156.8	1062.5	972.7	885.0	788.1	689.6
1321.1	1230.3	1118.3	1011.5	908.9	800.5	690.7
1393.2	1294.1	1168.4	1039.6	925.4	809.8	690.7
1460.1	1348.1	1206.6	1061.6	940.8	816.2	691.2
1512.1	1386.1	1231.4	1077.3	952.9	820.8	693.7
1549.8	1410.8	1247.9	1086.9	961.7	827.5	699.2
1576.2	1427.1	1257.0	1095.5	972.5	839.0	714.6
1588.9	1457.1	1272.1	1112.5	990.9	863.5	745.4
1579.2	1503.6	1315.3	1141.4	1016.5	901.7	794.7
1575.1	1512.1	1327.2	1147.8	1022.3	910.0	811.8
1542.9	1520.6	1375.9	1179.7	1049.8	946.6	859.4
1443.0	1487.0	1416.9	1233.6	1109.0	1035.5	948.3
1313.7	1437.2	1409.4	1240.5	1146.7	1108.4	1004.4
1158.8	1286.7	1260.9	1148.9	1105.1	1109.2	989.8
911.9	1008.0	990.9	951.6	960.4	990.6	847.8
730.6	717.7	678.3	681.1	732.0	767.5	610.3
596.9	483.2	432.0	433.4	522.3	559.2	388.8
568.0	457.1	372.3	325.3	380.0	366.0	203.1
404.5	405.3	336.3	273.2	264.7	225.1	126.6
95.8	76.8	54.8	40.7	42.9	28.3	14.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)