

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: P153281

Luminaire Tested: **VXS-E01-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153281
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: VXS-E01-LED-E1-SLR-7050
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2855.1 lumens
Efficiency: N/A
Efficacy: 115.6 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 (A_{in}): 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

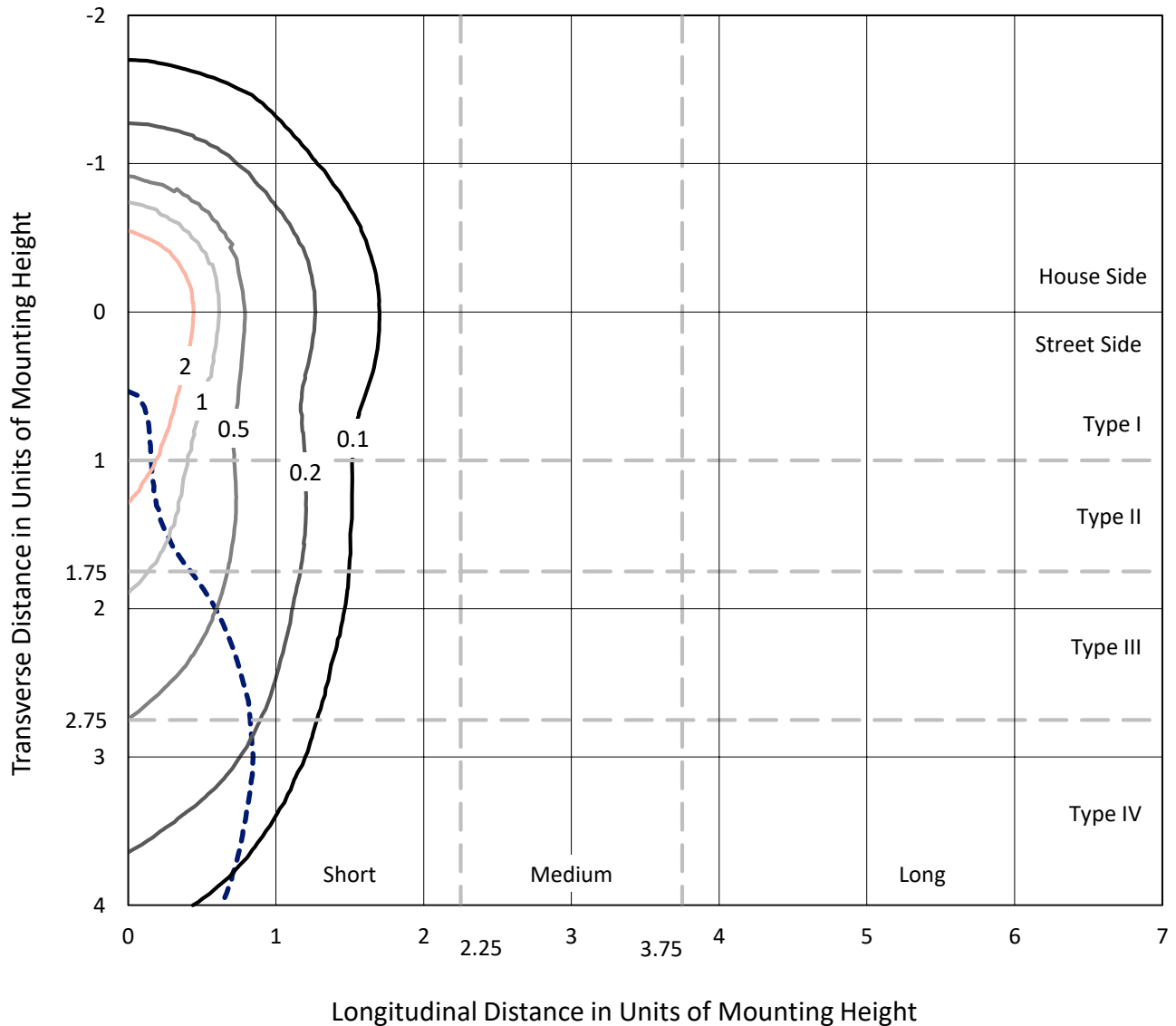


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Iso-Footcandle Lines of Horizontal Illumination

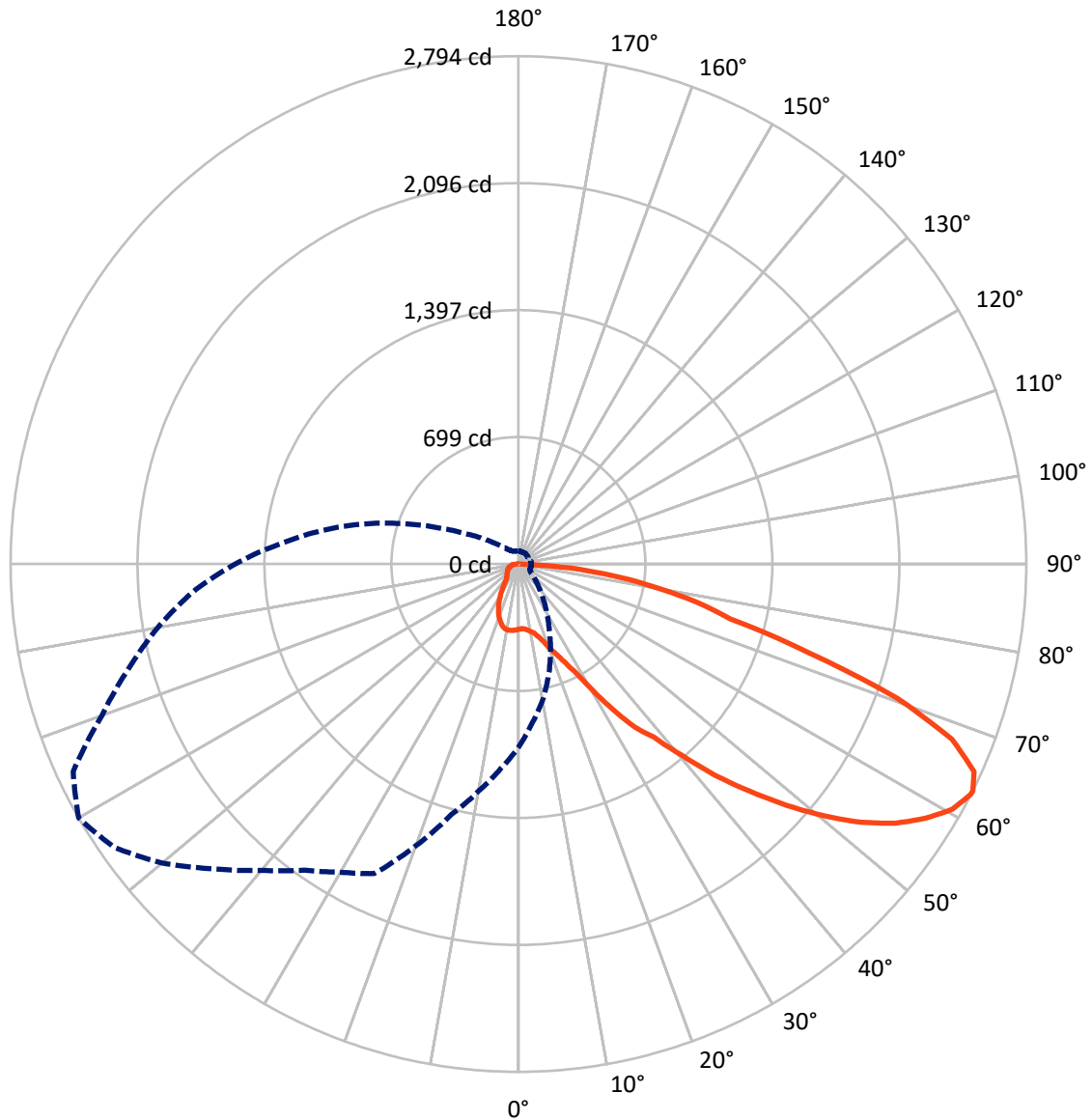
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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	619.1	0.0	619.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2236.0	0.0	2236.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2855.1	0.0	2855.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.2
10°-20°	108.8	3.8
20°-30°	193.3	6.8
30°-40°	304.3	10.7
40°-50°	447.9	15.7
50°-60°	594.9	20.8
60°-70°	655.3	23.0
70°-80°	411.1	14.4
80°-90°	104.7	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°	2855.1	100.0
0°-180°	2855.1	100.0

Coefficient of Utilization



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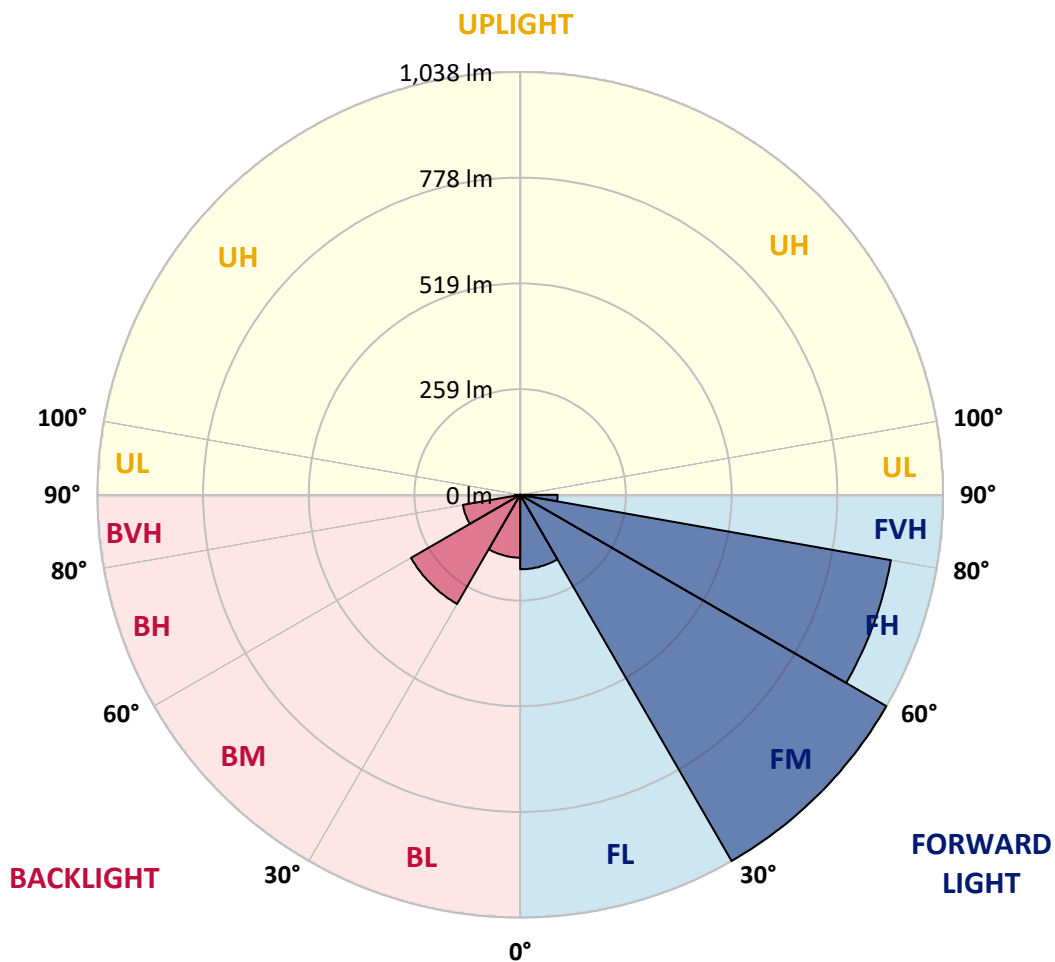
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.8	6.4			
FM	(30°-60°)	1037.6	36.3			
FH	(60°-80°)	923.7	32.4			G1/1800
FVH	(80°-90°)	91.9	3.2			G1/100
BL	(0°-30°)	154.1	5.4	B1/500		
BM	(30°-60°)	309.4	10.8	B1/1000		
BH	(60°-80°)	142.7	5.0	B1/500		G1/500
BVH	(80°-90°)	12.8	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°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	354.0	355.0	354.7	354.7	355.3	355.0	355.0	355.3	355.3	356.4	357.7
5°	351.3	350.9	350.3	350.9	350.9	350.9	349.5	350.6	350.9	351.6	351.6
7.5°	354.7	353.7	352.3	352.6	352.6	351.9	350.9	351.3	350.9	350.9	350.6
10°	359.2	356.8	355.0	355.0	355.0	354.3	352.6	353.7	353.7	353.4	353.7
12.5°	367.0	364.2	362.2	361.6	361.6	360.5	359.2	360.5	359.8	359.8	359.2
15°	380.0	376.9	374.5	372.4	372.8	372.8	371.1	370.1	368.7	367.0	363.6
17.5°	399.5	396.1	393.0	391.3	391.6	389.2	384.5	379.7	373.2	366.6	359.5
20°	427.2	426.2	422.1	420.3	416.3	410.5	397.1	385.8	373.2	360.8	348.5
22.5°	475.1	470.3	466.2	459.7	446.0	429.9	407.7	387.9	368.0	350.6	334.2
25°	539.4	530.9	510.7	490.8	462.8	434.1	403.9	378.3	353.7	330.8	310.6
27.5°	602.7	576.7	540.7	504.9	463.8	426.2	388.6	358.1	329.4	304.5	282.2
30°	679.3	635.5	580.4	523.6	465.5	414.9	369.7	334.2	301.0	274.6	251.4
32.5°	751.1	687.9	615.6	541.1	469.2	404.2	348.2	307.9	273.7	240.4	217.5
35°	800.3	718.2	630.7	542.8	460.0	384.1	321.1	273.7	239.4	208.6	181.7
37.5°	829.7	731.6	631.4	530.5	438.4	356.8	286.9	239.8	208.3	178.9	157.7
40°	848.3	734.7	622.5	512.7	411.1	322.2	252.7	210.4	181.7	158.0	141.6
42.5°	857.1	729.9	608.2	490.2	383.4	291.4	228.8	188.8	163.8	147.0	134.7
45°	858.5	721.3	592.7	469.6	358.8	269.2	212.4	179.9	159.4	145.4	133.1
47.5°	858.5	713.8	580.4	454.6	342.7	259.6	211.0	183.6	163.5	147.8	133.1
50°	859.2	711.4	575.3	447.0	337.2	264.8	222.7	195.3	172.4	151.8	132.7
52.5°	862.3	714.5	579.4	452.8	347.2	285.3	244.6	212.7	184.0	156.7	132.7
55°	869.1	724.8	596.9	473.1	373.9	316.4	270.9	231.6	193.3	158.7	130.7
57.5°	888.3	750.8	628.7	512.0	419.4	352.3	294.8	244.9	196.7	157.0	126.5
60°	926.5	802.4	683.0	566.7	467.6	383.1	308.8	246.9	193.6	151.5	120.1
62.5°	987.8	861.6	749.0	626.2	510.4	400.2	310.6	241.9	185.4	141.6	110.5
63°	1009.0	876.3	763.1	637.5	515.8	401.6	309.2	239.8	183.3	138.9	109.1
65°	1068.2	938.2	811.6	677.2	531.2	401.9	301.7	229.5	173.8	128.3	99.5
67.5°	1178.7	1019.6	872.8	708.4	536.7	391.0	282.5	210.4	153.6	111.8	87.6
70°	1248.4	1065.1	896.5	709.0	520.6	359.8	249.3	179.3	127.9	92.6	75.2
72.5°	1230.3	1020.3	834.2	645.1	451.2	300.6	200.4	140.9	99.9	74.2	62.6
75°	1053.8	849.2	680.6	499.7	341.0	220.9	146.7	100.5	73.9	58.1	52.3
77.5°	758.7	611.2	488.1	356.1	229.8	143.0	97.5	71.8	56.1	47.9	43.1
80°	483.3	358.4	298.5	214.1	134.4	88.6	67.0	54.4	46.2	40.0	36.9
82.5°	252.4	176.8	143.6	109.4	74.6	58.4	49.2	44.5	37.9	33.2	31.5
85°	157.3	104.4	77.3	54.1	37.3	33.5	30.8	30.1	27.0	23.9	22.9
87.5°	17.8	16.1	16.8	10.6	7.9	8.6	8.2	11.0	10.6	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	356.4	357.1	357.1	358.1	358.1	358.8	359.5	359.5	360.2	360.5	361.1
5°	352.3	352.3	352.3	353.7	354.0	356.1	356.8	357.4	358.1	360.5	361.9
7.5°	351.3	349.9	350.6	350.6	351.6	353.4	355.0	356.1	357.1	360.2	362.2
10°	353.4	352.3	351.3	351.3	351.6	352.3	353.7	354.7	355.3	358.4	360.2
12.5°	358.8	356.4	354.3	352.6	351.3	350.9	350.3	350.6	351.3	353.0	355.3
15°	359.8	355.3	350.9	346.5	343.1	341.0	339.3	338.7	338.7	339.7	342.4
17.5°	353.0	345.5	339.0	333.2	329.4	325.6	323.9	322.6	321.9	323.2	323.5
20°	338.2	329.4	320.5	313.7	306.8	305.8	303.0	303.7	304.5	306.4	307.5
22.5°	318.1	307.5	296.6	289.3	283.9	279.1	276.1	277.4	278.4	280.5	281.5
25°	293.5	278.0	266.4	259.3	253.5	249.3	245.9	247.3	245.9	248.3	252.1
27.5°	264.4	246.2	234.0	225.7	221.7	218.2	214.8	214.8	218.2	218.2	221.3
30°	229.1	215.9	199.8	191.2	186.1	184.0	183.6	183.0	185.4	186.7	190.2
32.5°	196.0	179.6	164.1	156.0	151.5	149.1	149.4	149.8	150.9	152.8	158.3
35°	162.5	148.1	137.2	127.9	123.5	119.1	119.1	118.3	119.4	121.8	128.3
37.5°	140.9	128.3	119.7	112.5	108.1	105.4	102.9	102.0	102.0	102.9	105.4
40°	128.9	119.7	111.8	105.7	101.6	99.2	97.8	96.8	96.1	96.1	96.5
42.5°	123.5	113.9	106.0	100.5	97.5	96.1	95.8	95.4	94.4	94.1	93.7
45°	120.7	109.8	100.9	96.5	94.1	93.4	93.7	93.7	93.4	92.6	91.3
47.5°	118.7	106.0	97.1	93.1	92.0	92.0	92.0	92.0	91.7	91.3	90.3
50°	115.2	100.2	90.7	87.6	86.8	86.8	87.3	87.3	87.9	87.3	86.5
52.5°	111.5	94.7	85.2	82.4	82.1	81.8	81.8	81.8	82.1	82.1	81.8
55°	107.4	90.7	82.4	80.4	80.7	80.4	80.0	79.7	79.7	79.4	78.7
57.5°	103.3	87.3	80.4	79.0	79.4	79.4	78.7	78.0	77.6	76.6	76.0
60°	97.1	82.4	76.3	75.5	76.6	76.6	76.6	76.3	76.3	76.0	74.2
62.5°	88.9	75.5	70.8	71.2	71.5	72.1	72.1	72.1	72.1	71.5	69.7
63°	87.3	74.2	69.7	69.7	70.8	70.8	71.2	70.8	71.2	70.5	68.4
65°	80.4	69.7	66.3	66.7	67.4	67.4	67.4	67.0	67.0	66.0	65.0
67.5°	72.5	64.4	62.3	62.6	62.9	63.6	63.3	63.3	63.6	62.9	61.9
70°	63.6	58.4	57.1	57.5	57.8	57.8	57.5	57.5	57.8	57.1	56.1
72.5°	56.8	54.7	53.7	53.7	53.1	53.1	52.3	52.0	51.6	51.6	50.6
75°	47.9	47.6	47.9	48.6	47.9	47.2	46.8	45.8	45.2	45.2	44.8
77.5°	41.0	41.0	41.8	42.8	43.1	43.1	42.1	40.3	40.0	40.0	40.0
80°	35.5	34.9	34.9	36.0	36.9	36.6	34.9	33.2	33.2	34.9	35.2
82.5°	31.1	31.1	30.1	30.5	30.1	29.7	28.1	27.0	26.6	28.1	29.4
85°	24.7	25.0	24.7	24.2	23.9	22.9	21.6	20.5	20.2	21.6	23.6
87.5°	9.9	9.5	9.2	9.5	9.2	9.9	9.5	8.9	8.6	9.5	11.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	361.6	362.2	362.9	362.9	363.6	363.2	363.6	363.9	363.9	364.2	364.2
5°	363.6	364.6	366.0	367.4	367.7	368.7	369.7	369.0	370.1	371.4	371.4
7.5°	364.2	366.6	367.7	369.7	370.1	371.4	373.9	372.1	374.2	375.2	375.5
10°	363.2	365.6	367.4	369.7	370.8	373.2	375.5	374.9	377.3	379.0	379.3
12.5°	357.1	359.5	363.2	366.6	369.4	373.2	377.6	376.3	379.7	381.8	382.7
15°	345.1	347.5	351.6	357.1	362.2	368.0	373.9	374.9	378.3	380.7	381.8
17.5°	326.3	329.4	333.8	339.7	346.1	356.1	363.6	367.4	372.1	373.5	375.2
20°	308.8	311.9	314.7	318.1	322.9	332.4	342.4	349.9	356.1	361.1	362.6
22.5°	285.6	288.3	291.7	294.5	297.9	304.8	313.0	321.6	331.1	334.2	337.6
25°	257.5	259.3	264.0	265.8	268.2	274.0	280.5	286.6	295.9	302.4	304.0
27.5°	227.5	229.1	233.6	234.6	237.7	243.2	248.0	250.4	259.0	265.8	271.2
30°	192.5	197.0	202.5	203.2	206.6	210.1	214.5	216.9	224.8	231.9	238.8
32.5°	162.5	166.9	171.4	174.1	175.9	178.5	183.0	185.4	193.0	199.4	206.2
35°	131.7	137.2	142.0	145.7	147.0	150.5	153.9	156.3	164.1	169.9	174.8
37.5°	108.4	112.5	117.6	121.5	125.2	127.6	131.7	135.1	139.9	143.0	148.1
40°	97.1	99.2	102.0	105.0	108.1	110.8	113.9	116.7	119.7	123.8	127.3
42.5°	93.4	93.7	93.7	94.7	96.5	97.8	100.5	102.6	104.7	107.8	109.4
45°	90.7	90.3	89.6	88.9	89.2	89.9	91.7	93.1	95.4	96.8	97.1
47.5°	89.2	87.9	86.5	85.5	85.2	85.5	86.8	88.3	89.6	90.7	91.0
50°	84.9	83.8	81.8	80.4	79.7	80.4	82.1	82.8	84.1	85.2	85.5
52.5°	80.4	79.0	77.6	76.3	76.3	76.6	78.0	79.4	80.7	81.0	81.8
55°	77.6	75.5	74.2	73.2	72.5	73.6	74.6	76.3	78.0	78.3	79.0
57.5°	74.9	72.8	71.5	70.5	69.7	70.8	71.8	74.2	76.3	76.3	76.3
60°	73.2	71.5	69.4	68.4	67.4	68.4	69.7	72.1	74.2	73.9	73.6
62.5°	68.4	66.7	65.7	65.7	64.7	66.3	67.8	70.5	70.8	70.2	69.4
63°	67.0	65.7	65.0	65.0	64.4	66.0	67.4	69.7	69.7	69.1	68.4
65°	63.6	62.6	61.9	62.6	62.6	64.4	64.7	66.3	66.0	65.0	64.7
67.5°	60.9	60.2	59.5	59.5	59.5	59.9	60.2	60.9	60.5	60.2	60.5
70°	56.5	56.1	55.4	55.4	55.0	55.0	55.0	55.4	55.4	55.8	56.1
72.5°	51.0	50.3	50.3	50.6	49.9	50.3	50.6	50.3	51.0	51.0	51.3
75°	44.8	44.5	45.2	45.8	45.5	45.5	45.8	45.8	46.2	46.2	46.5
77.5°	40.0	40.3	40.7	41.3	41.8	41.8	41.8	41.3	41.8	41.8	42.1
80°	35.5	36.3	36.9	37.6	37.9	37.9	37.9	37.6	37.6	37.6	37.6
82.5°	32.1	33.2	33.9	34.2	34.2	34.2	34.2	34.2	34.2	33.5	32.8
85°	27.0	29.1	29.1	29.4	28.4	27.7	27.0	27.4	27.7	26.3	26.0
87.5°	13.7	13.7	14.4	15.0	15.4	15.4	17.4	16.4	16.1	15.8	15.0
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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CATALOG NUMBER: VXS-E01-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	364.6	364.2	365.0	364.2	364.6	365.0	364.2	365.3	366.0	365.0	363.9
5°	372.1	372.1	373.9	374.5	374.9	376.9	375.9	376.6	377.3	376.9	377.3
7.5°	376.9	378.3	380.0	381.8	382.1	383.7	383.4	384.5	385.2	386.8	386.8
10°	381.0	382.7	385.2	386.8	388.6	389.9	390.6	392.6	393.0	394.4	394.4
12.5°	384.8	386.8	389.2	392.0	393.7	396.4	396.8	399.8	400.8	401.2	400.2
15°	384.1	386.5	389.2	392.3	395.4	398.9	400.8	403.9	405.7	406.3	404.7
17.5°	377.6	379.7	383.1	387.2	391.0	395.4	399.2	403.6	406.3	407.0	406.6
20°	365.0	366.3	370.8	376.3	380.7	387.6	393.0	399.8	404.2	407.7	408.7
22.5°	340.0	343.4	347.9	354.0	360.5	369.0	376.9	386.8	396.4	404.7	412.8
25°	309.8	316.1	322.9	331.1	339.0	347.9	356.8	368.0	382.1	399.2	418.7
27.5°	279.5	290.1	298.5	309.2	318.4	327.4	337.2	349.5	365.0	385.5	410.5
30°	248.7	260.6	269.8	282.2	294.5	306.4	316.4	329.4	344.5	365.3	392.6
32.5°	215.9	227.8	238.8	250.1	263.7	278.0	290.1	306.1	322.2	343.7	371.4
35°	182.0	192.5	201.8	213.8	228.8	244.2	259.9	278.4	295.9	318.4	347.9
37.5°	152.5	160.1	169.0	179.6	191.2	207.6	225.4	247.3	267.2	291.7	321.9
40°	128.3	132.3	137.5	146.4	157.0	173.1	190.5	213.8	237.7	264.8	293.8
42.5°	109.4	111.5	112.8	118.7	127.3	143.0	159.7	182.3	208.6	238.0	267.5
45°	97.1	98.1	98.5	101.6	107.8	121.5	138.9	158.0	183.3	212.0	242.8
47.5°	91.3	92.3	93.1	93.7	97.5	108.1	123.8	142.0	165.2	191.5	223.0
50°	86.5	87.6	88.6	88.3	89.9	96.8	110.2	126.9	148.8	173.1	204.1
52.5°	81.8	82.4	82.4	82.4	83.4	87.9	97.5	112.8	133.1	156.0	186.7
55°	79.0	79.7	80.0	80.4	80.7	83.1	90.3	102.6	120.1	141.2	169.0
57.5°	76.3	76.6	77.3	77.6	78.3	79.7	84.1	93.1	107.8	125.5	148.8
60°	73.9	74.6	76.0	76.3	77.0	77.3	79.4	84.9	94.4	108.1	126.9
62.5°	70.2	71.2	72.5	72.8	73.6	73.9	74.2	77.3	81.8	89.9	103.9
63°	69.1	70.2	71.8	72.1	72.5	72.5	72.8	74.9	79.0	86.2	96.5
65°	65.3	66.7	67.8	68.1	68.4	68.4	68.1	68.7	69.1	72.1	78.3
67.5°	61.2	62.3	62.9	63.3	62.9	63.3	62.9	62.3	61.6	62.3	65.0
70°	57.1	57.8	57.8	58.1	58.4	58.9	58.1	57.5	56.8	56.5	58.1
72.5°	52.3	53.1	53.1	53.4	53.4	54.1	54.1	53.7	53.7	54.1	54.4
75°	47.6	48.2	47.9	48.6	48.6	49.6	49.6	49.9	50.6	50.3	49.9
77.5°	43.1	43.4	43.4	43.7	44.1	45.8	46.8	47.2	47.2	46.5	45.8
80°	38.3	38.3	37.6	37.3	37.6	39.4	41.3	41.8	42.8	42.4	42.8
82.5°	32.1	30.8	29.7	29.7	30.5	31.5	32.1	32.8	33.5	33.5	34.2
85°	24.7	23.2	22.3	22.6	23.6	23.9	23.6	23.6	25.0	26.0	25.0
87.5°	14.7	13.4	12.6	11.6	12.0	13.0	12.6	11.6	12.0	9.5	8.9
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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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	364.6	364.2	363.6	362.6	362.2	361.6	361.9	360.8	360.2	359.5	358.4
5°	377.3	377.3	375.2	375.2	374.2	373.9	371.4	370.5	368.4	369.0	366.6
7.5°	386.1	387.2	384.8	384.5	383.1	382.7	379.7	378.7	376.9	376.3	374.2
10°	392.6	392.6	389.5	387.2	385.5	383.7	380.7	379.3	377.9	378.3	376.9
12.5°	397.8	395.4	391.0	387.6	385.2	383.4	381.0	380.0	379.7	382.1	382.4
15°	401.9	398.4	393.0	390.6	388.6	388.2	388.2	389.2	391.6	396.1	399.5
17.5°	404.2	402.3	399.5	398.9	402.3	404.2	407.0	410.1	413.5	419.7	423.4
20°	408.7	410.1	412.1	414.9	420.3	425.5	428.9	433.4	437.5	445.0	451.2
22.5°	420.3	428.2	434.7	440.2	448.4	455.5	460.0	466.2	469.2	474.4	483.9
25°	435.4	451.5	465.2	476.8	489.4	497.0	503.1	511.0	515.8	524.4	532.8
27.5°	431.0	453.9	474.4	496.0	513.4	532.8	546.5	559.6	567.8	580.4	591.7
30°	417.3	444.7	472.3	500.7	528.4	556.5	582.5	606.1	624.2	642.4	660.8
32.5°	398.9	430.3	464.1	499.1	535.3	574.3	610.2	645.8	675.9	702.2	727.9
35°	377.6	413.2	448.4	491.5	536.3	585.9	635.9	685.1	730.9	777.4	808.9
37.5°	352.3	388.6	427.9	477.5	530.2	591.4	655.0	719.3	784.2	846.8	901.2
40°	325.3	362.2	403.6	457.3	516.8	588.0	667.4	753.9	843.1	933.8	1005.9
42.5°	301.3	339.3	384.5	438.9	503.5	583.5	677.2	783.6	892.7	1004.9	1110.9
45°	278.0	319.8	367.4	425.8	497.6	586.9	691.9	811.3	937.2	1073.3	1202.6
47.5°	257.2	299.6	345.8	409.7	489.1	588.6	706.3	839.0	979.3	1126.6	1280.2
50°	238.4	279.5	325.0	389.2	475.8	587.6	719.3	863.9	1015.5	1168.7	1340.1
52.5°	219.9	261.7	308.2	369.4	459.4	581.8	725.5	884.5	1049.0	1211.2	1388.3
55°	201.8	242.8	289.7	350.6	437.8	566.7	724.8	897.8	1075.8	1251.2	1434.8
57.5°	180.6	219.6	265.4	329.7	414.9	543.5	714.5	904.0	1098.7	1290.9	1490.6
60°	154.3	190.9	235.0	299.3	384.8	513.8	693.0	900.6	1111.9	1320.2	1538.1
62.5°	121.8	153.6	193.9	256.9	347.2	471.0	652.6	869.4	1090.8	1316.2	1560.4
63°	114.9	145.0	184.4	246.6	331.1	459.4	640.6	857.1	1080.5	1307.6	1557.3
65°	92.3	111.8	143.3	199.1	277.1	402.3	581.1	793.9	1025.4	1247.4	1512.8
67.5°	70.8	80.7	97.5	136.5	196.0	316.4	470.7	672.7	889.9	1098.7	1369.5
70°	60.5	65.0	72.1	90.7	124.5	199.8	330.4	501.8	689.8	870.8	1114.3
72.5°	55.0	57.1	60.9	68.7	85.5	119.7	210.7	326.6	469.2	620.8	808.9
75°	50.6	52.3	55.4	59.5	65.7	79.7	120.1	199.8	305.1	407.7	545.9
77.5°	46.2	47.2	50.6	54.4	58.4	65.7	79.4	114.9	175.4	240.4	329.0
80°	42.4	41.8	44.1	50.3	54.4	58.4	62.6	74.6	99.9	131.7	177.8
82.5°	33.9	34.5	36.6	42.8	44.5	43.4	44.1	46.2	55.8	60.9	91.0
85°	22.9	21.2	20.8	21.6	21.6	20.5	20.5	20.2	22.3	25.3	43.4
87.5°	6.1	3.1	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°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	0°
2.5°	357.7	357.4	357.7	356.1	356.1	355.8	355.3	354.7	354.7	353.4	354.3	2.5°
5°	364.6	363.9	362.6	360.5	359.5	358.1	358.1	356.8	355.8	354.3	354.7	5°
7.5°	372.4	372.8	370.5	368.7	368.0	366.6	367.0	365.0	365.3	364.2	363.6	7.5°
10°	376.9	376.9	377.6	377.3	377.9	377.9	379.0	377.6	376.9	375.9	375.9	10°
12.5°	384.1	385.5	388.2	388.2	390.3	391.0	391.3	392.0	390.6	389.9	387.6	12.5°
15°	401.9	405.3	407.7	411.1	415.2	416.6	416.6	415.2	414.5	413.5	409.1	15°
17.5°	431.3	438.9	440.9	446.3	447.0	448.7	453.6	450.8	449.1	441.9	440.5	17.5°
20°	461.5	471.0	480.5	487.4	490.8	497.6	498.7	497.3	490.5	483.6	480.5	20°
22.5°	497.6	512.0	523.0	533.6	538.8	542.2	549.6	548.0	542.5	532.2	528.1	22.5°
25°	549.0	566.7	578.3	591.4	598.2	601.7	609.1	609.1	603.3	600.3	599.9	25°
27.5°	613.6	635.5	654.6	659.1	676.9	681.0	688.2	688.2	682.7	679.0	697.1	27.5°
30°	685.4	708.4	741.6	763.7	785.3	806.5	806.2	807.6	814.1	817.5	825.3	30°
32.5°	757.3	785.7	820.9	869.1	915.3	954.6	1005.6	1038.0	1028.2	1000.4	989.5	32.5°
35°	844.5	876.0	918.8	967.3	1051.7	1102.7	1127.4	1144.8	1146.8	1150.6	1158.4	35°
37.5°	941.7	994.3	1043.9	1099.0	1145.8	1207.8	1264.9	1310.7	1321.2	1342.8	1330.5	37.5°
40°	1064.5	1123.2	1175.2	1246.4	1309.3	1383.8	1465.6	1528.6	1553.9	1545.7	1484.0	40°
42.5°	1193.1	1265.9	1326.7	1410.6	1492.3	1590.8	1675.3	1763.2	1779.0	1715.6	1623.6	42.5°
45°	1311.4	1401.7	1477.2	1564.5	1664.4	1782.4	1895.2	1985.5	1982.5	1874.0	1750.9	45°
47.5°	1417.7	1528.6	1620.9	1734.5	1841.9	1982.5	2112.0	2178.8	2139.4	2011.2	1860.3	47.5°
50°	1505.6	1643.8	1757.7	1872.6	2009.1	2178.4	2303.3	2340.9	2265.0	2125.4	1966.7	50°
52.5°	1576.5	1749.8	1877.8	2010.2	2182.5	2360.7	2468.1	2454.1	2356.0	2212.6	2054.6	52.5°
55°	1636.3	1830.9	1983.4	2139.8	2353.6	2517.7	2589.2	2551.6	2414.4	2269.0	2114.8	55°
57.5°	1698.2	1909.5	2080.6	2261.9	2499.9	2640.8	2680.5	2603.2	2442.2	2290.6	2140.8	57.5°
60°	1760.1	1975.2	2166.4	2368.6	2610.8	2741.5	2730.5	2614.8	2433.9	2274.9	2123.3	60°
62.5°	1801.9	2014.2	2216.4	2434.3	2693.9	2792.7	2725.7	2573.5	2386.4	2213.0	2071.4	62.5°
63°	1802.9	2015.6	2219.5	2438.8	2703.1	2794.4	2716.5	2558.8	2371.3	2200.3	2056.0	63°
65°	1781.3	1989.9	2192.1	2418.5	2695.2	2755.1	2636.8	2471.9	2285.5	2112.7	1976.0	65°
67.5°	1671.2	1883.9	2062.5	2275.9	2554.3	2571.4	2423.3	2290.3	2122.7	1943.8	1800.8	67.5°
70°	1449.2	1626.0	1801.1	1979.4	2213.0	2209.8	2070.7	2003.0	1856.3	1652.3	1537.8	70°
72.5°	1152.6	1311.4	1434.5	1553.9	1707.8	1676.7	1587.0	1605.9	1510.8	1358.5	1290.5	72.5°
75°	855.8	1030.3	1090.4	1139.0	1203.9	1204.4	1228.9	1282.3	1280.9	1196.5	1110.6	75°
77.5°	561.2	752.1	772.3	811.3	889.3	995.3	1104.8	1222.4	1251.8	1185.2	1058.2	77.5°
80°	313.0	511.3	488.1	521.6	605.7	749.7	911.2	1041.1	1117.7	1080.5	946.1	80°
82.5°	160.1	294.8	281.9	328.4	396.4	521.6	628.3	728.2	818.4	813.4	762.4	82.5°
85°	83.1	161.5	183.6	208.0	242.2	286.9	327.4	356.4	394.0	460.4	483.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	24.7	17.8	48.9	69.7	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°
358.8	358.8	358.8	358.8	358.8	358.8	358.8
354.7	355.0	354.3	354.3	354.7	354.7	354.0
354.0	354.0	353.4	352.6	351.9	351.9	351.3
361.9	361.9	359.5	358.4	356.8	355.3	354.7
373.5	371.4	368.7	366.6	363.9	360.8	359.2
385.2	382.1	378.7	375.5	372.1	368.7	367.0
404.2	400.2	395.8	392.0	387.2	382.1	380.0
433.7	427.2	421.3	416.0	407.4	403.6	399.5
472.6	463.1	455.5	446.3	435.8	432.3	427.2
519.9	511.7	496.7	489.8	479.2	474.1	475.1
591.7	581.1	563.6	557.2	556.2	544.9	539.4
685.4	686.1	670.1	652.6	643.0	625.3	602.7
818.9	809.6	790.8	773.0	750.5	716.9	679.3
980.3	959.8	928.6	895.4	855.4	803.8	751.1
1137.9	1102.1	1052.4	997.0	939.3	874.9	800.3
1276.5	1220.7	1146.5	1082.9	1001.1	920.7	829.7
1403.0	1333.9	1238.1	1155.8	1059.3	956.0	848.3
1525.5	1437.9	1320.6	1209.1	1100.0	979.6	857.1
1642.1	1529.2	1390.1	1257.3	1129.7	995.0	858.5
1731.7	1608.6	1452.3	1292.2	1150.3	1006.6	858.5
1814.8	1675.6	1499.8	1319.6	1169.4	1014.5	859.2
1879.5	1722.8	1530.6	1339.1	1184.5	1020.3	862.3
1926.3	1753.6	1551.1	1351.1	1195.4	1028.5	869.1
1959.2	1773.8	1562.4	1361.7	1208.7	1042.9	888.3
1974.9	1811.1	1581.2	1382.8	1231.7	1073.3	926.5
1962.9	1868.9	1634.9	1418.8	1263.5	1120.8	987.8
1957.8	1879.5	1649.6	1426.6	1270.7	1131.1	1009.0
1917.8	1890.1	1710.2	1466.3	1304.9	1176.6	1068.2
1793.7	1848.4	1761.1	1533.4	1378.4	1287.0	1178.7
1632.8	1786.4	1751.9	1541.9	1425.3	1377.7	1248.4
1440.3	1599.4	1567.3	1428.0	1373.6	1378.8	1230.3
1133.5	1252.8	1231.7	1182.8	1193.7	1231.3	1053.8
908.1	892.0	843.1	846.5	909.8	953.9	758.7
741.9	600.6	537.0	538.8	649.2	695.0	483.3
706.0	568.1	462.8	404.2	472.3	454.9	252.4
502.8	503.8	417.9	339.7	329.0	279.8	157.3
119.1	95.4	68.1	50.6	53.4	35.2	17.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)