

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: P149865

Luminaire Tested: **VXS-F01-LED-E1-SL2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149865
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F01-LED-E1-SL2
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - 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



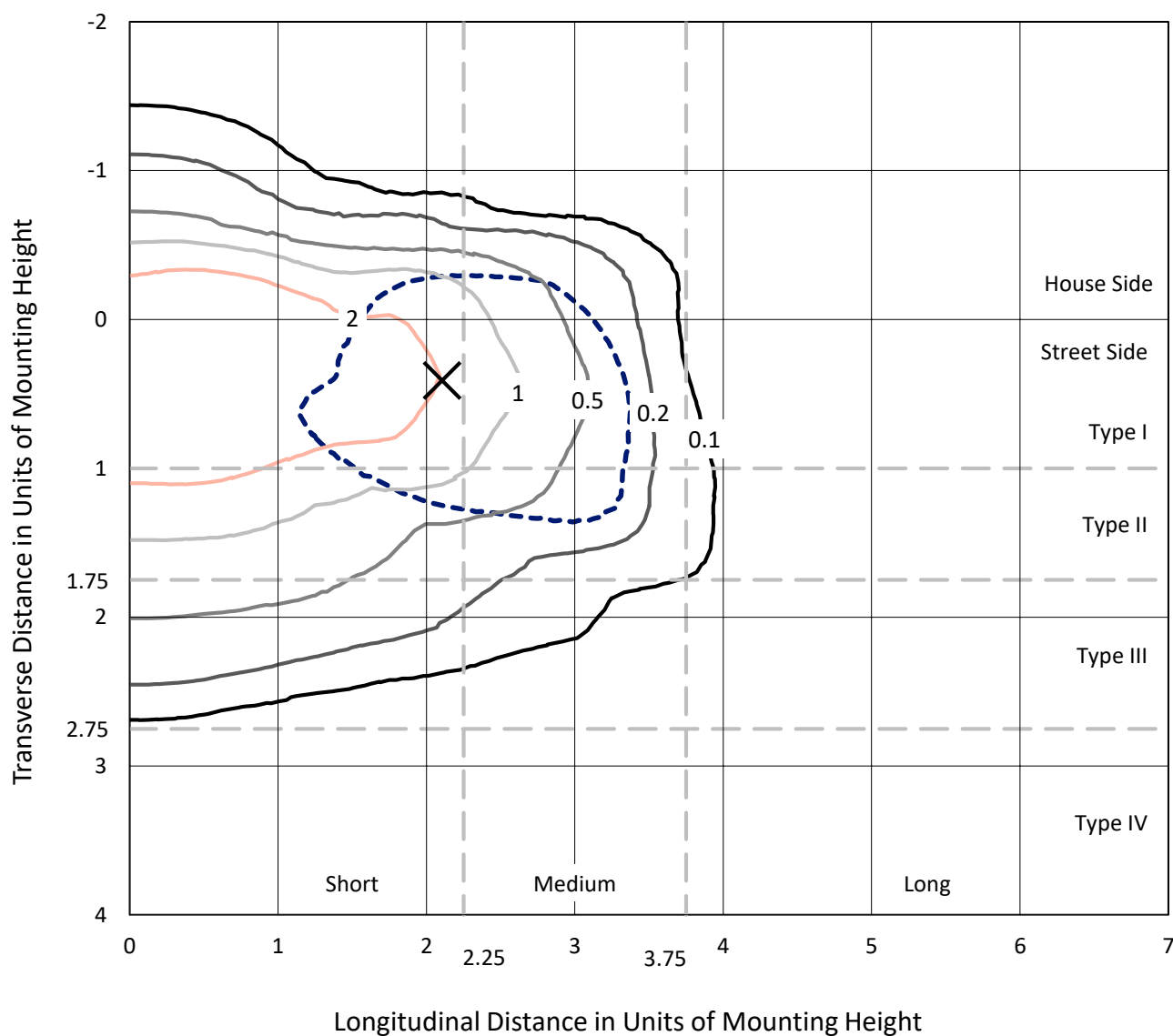
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

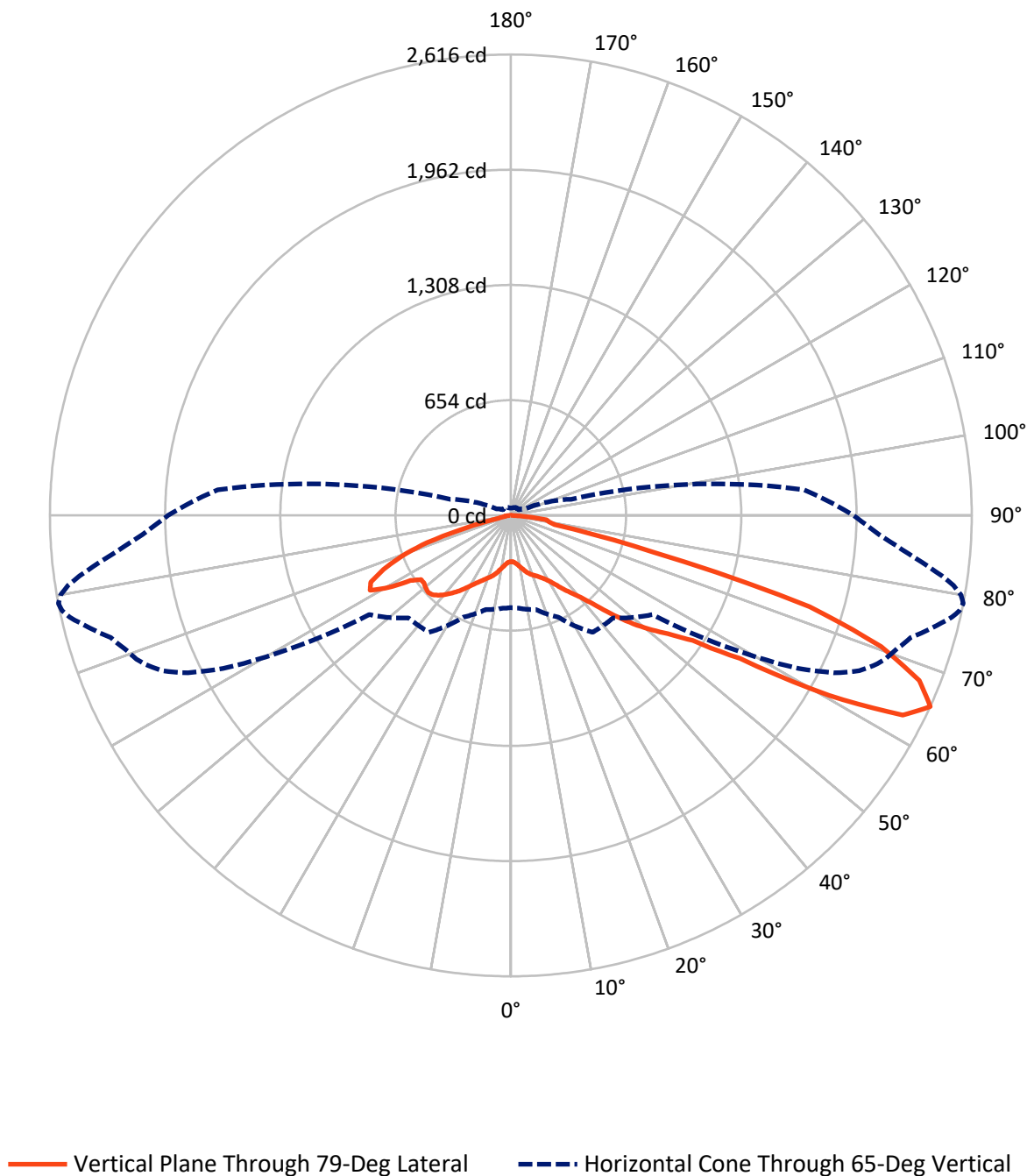


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	596.2	0.0	596.2
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1925.8	0.0	1925.8
	% Fixture	76.4	0.0	76.4
Total	Lumens	2522.0	0.0	2522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.0
10°-20°	85.3	3.4
20°-30°	147.4	5.8
30°-40°	244.0	9.7
40°-50°	413.8	16.4
50°-60°	549.7	21.8
60°-70°	710.1	28.2
70°-80°	297.8	11.8
80°-90°	47.8	1.9
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°	2522.0	100.0
0°-180°	2522.0	100.0

Coefficient of Utilization



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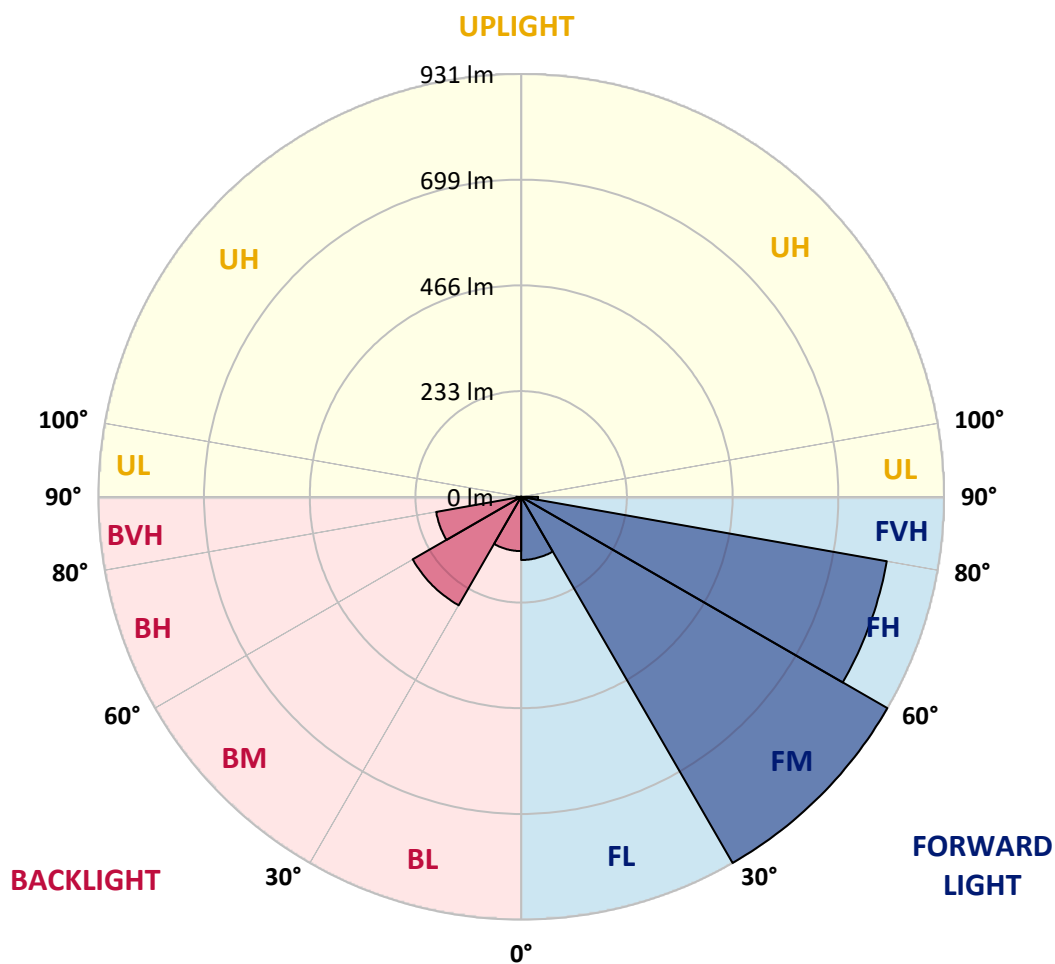
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.2	5.5			
FM	(30°-60°)	931.5	36.9			
FH	(60°-80°)	817.8	32.4			G1/1800
FVH	(80°-90°)	37.4	1.5			G1/100
BL	(0°-30°)	119.6	4.7	B1/500		
BM	(30°-60°)	276.0	10.9	B1/1000		
BH	(60°-80°)	190.1	7.5	B1/500		G1/500
BVH	(80°-90°)	10.4	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	261.7	262.5	262.0	262.5	263.1	263.3	263.9	263.6	263.6	263.9	263.3
5°	261.7	261.7	262.5	263.9	264.5	266.1	268.0	267.8	268.0	267.8	268.3
7.5°	267.2	266.9	267.8	269.4	269.9	272.4	275.8	276.3	276.8	276.8	277.6
10°	276.8	276.6	277.4	278.2	279.1	280.9	285.6	287.6	287.9	288.1	289.2
12.5°	288.9	288.7	287.6	287.6	287.3	290.9	297.2	300.7	301.3	302.4	303.2
15°	297.5	296.7	295.0	293.9	295.2	301.0	310.4	314.5	315.0	315.9	318.1
17.5°	305.7	304.9	301.3	298.5	300.5	309.8	322.5	326.9	328.0	328.8	331.3
20°	317.3	316.7	311.5	304.9	304.4	316.5	331.8	337.6	338.4	339.6	342.1
22.5°	334.9	332.4	326.3	314.0	307.9	320.3	338.4	346.4	347.6	348.6	351.9
25°	356.9	355.8	345.4	326.3	313.7	324.1	345.6	355.5	357.2	358.5	363.0
27.5°	379.8	378.1	366.8	342.1	323.8	331.8	356.9	368.2	370.4	372.5	376.7
30°	400.1	399.6	390.2	363.2	340.4	346.4	375.0	388.8	391.3	394.1	397.9
32.5°	448.0	448.3	438.7	411.1	380.3	372.8	401.2	421.9	422.9	426.2	433.2
35°	539.6	540.7	537.1	515.4	480.7	450.2	453.0	473.3	474.4	477.2	483.7
37.5°	600.9	603.2	614.2	621.0	603.4	589.4	554.5	546.5	547.4	545.7	544.2
40°	634.8	638.1	667.0	702.8	722.1	722.4	707.2	672.0	658.4	654.6	638.1
42.5°	654.1	659.6	700.6	761.7	817.0	854.9	864.4	825.3	815.3	797.7	766.1
45°	666.7	673.4	721.8	805.4	886.8	951.6	1000.3	982.9	976.3	965.6	936.4
47.5°	664.6	669.7	720.1	820.3	923.5	1015.4	1101.8	1119.7	1111.7	1108.9	1089.1
50°	624.4	629.0	680.2	783.4	903.4	1039.6	1166.2	1216.8	1216.8	1222.1	1216.0
52.5°	581.5	585.3	631.8	724.6	838.4	1016.0	1202.0	1285.9	1296.9	1306.0	1320.3
55°	565.2	569.8	605.1	684.4	783.1	948.3	1214.1	1337.6	1358.0	1373.4	1405.9
57.5°	573.0	577.6	602.6	662.6	750.7	879.2	1214.6	1407.3	1446.6	1478.2	1544.0
60°	606.2	610.6	631.5	682.7	742.2	839.3	1191.2	1518.1	1580.8	1640.3	1749.8
62.5°	590.8	596.3	626.8	716.0	805.7	809.0	1106.7	1604.0	1705.0	1792.7	1966.9
65°	523.4	529.1	553.1	636.5	809.5	822.2	981.6	1605.6	1731.1	1849.7	2037.7
67.5°	397.3	399.6	418.5	485.4	647.5	836.8	852.7	1415.5	1534.9	1667.3	1861.2
70°	203.1	206.9	212.4	268.0	416.9	691.5	732.7	1043.2	1195.3	1332.1	1565.2
72.5°	70.5	71.8	77.3	102.4	203.1	453.8	641.5	714.9	806.8	934.8	1204.8
75°	42.4	42.4	44.4	51.7	92.7	236.4	570.7	583.9	596.3	639.3	815.9
77.5°	33.6	34.1	34.1	35.5	51.5	121.3	433.4	542.9	544.6	548.7	578.4
80°	23.9	25.1	27.3	28.4	33.3	66.6	243.2	476.6	509.1	524.8	546.5
82.5°	17.9	19.0	23.1	24.5	25.9	37.1	109.2	328.8	388.0	419.4	495.9
85°	8.0	9.3	15.6	17.3	18.1	19.8	51.2	93.6	107.6	120.8	159.3
87.5°	1.3	1.3	2.5	3.6	5.2	5.0	11.3	16.0	16.3	19.0	21.1
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: VXS-F01-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	263.3	263.3	263.3	263.1	263.3	263.3	263.3	263.3	263.6	263.6	263.6
5°	269.1	268.6	268.8	268.8	268.8	268.6	269.1	268.8	269.1	269.9	269.6
7.5°	277.6	278.2	278.4	278.8	278.8	278.8	279.1	279.6	279.6	280.4	280.1
10°	290.3	290.1	290.3	291.1	291.9	292.2	293.1	292.7	293.4	294.4	295.5
12.5°	303.8	304.4	305.2	306.0	307.4	307.7	308.5	308.7	310.4	310.4	311.5
15°	319.0	319.2	320.8	321.1	322.8	323.3	324.7	325.3	327.2	327.5	328.6
17.5°	332.6	333.3	334.1	334.9	336.8	337.6	338.8	339.8	341.5	342.1	343.9
20°	343.7	344.8	345.1	346.7	348.4	349.4	350.6	351.7	353.4	354.2	356.1
22.5°	353.6	354.7	355.5	356.9	358.0	359.7	360.2	362.2	363.7	365.2	366.8
25°	364.4	366.0	366.8	369.3	370.2	371.7	373.2	375.0	377.3	379.0	381.1
27.5°	379.5	382.0	383.0	385.8	387.8	388.5	390.8	393.5	395.4	397.3	399.6
30°	400.4	405.1	405.9	407.8	411.4	411.9	414.7	416.9	419.9	421.9	423.7
32.5°	432.8	438.7	439.2	441.3	444.5	445.5	447.7	450.2	454.8	455.6	458.8
35°	482.7	485.2	487.4	488.2	490.7	492.0	493.7	496.4	501.1	500.5	503.8
37.5°	542.4	543.2	543.4	540.7	541.2	538.8	541.9	542.4	544.0	545.4	548.7
40°	627.7	619.2	618.0	611.4	604.9	601.2	599.9	594.4	595.8	596.3	599.1
42.5°	752.3	735.9	722.1	712.7	696.5	688.5	677.7	669.2	662.6	665.1	666.2
45°	910.3	886.6	864.6	836.0	814.8	799.7	780.6	763.6	755.9	752.3	756.7
47.5°	1068.0	1047.0	1021.1	991.7	958.1	933.2	901.5	873.7	854.4	847.3	851.1
50°	1204.1	1184.9	1165.4	1148.0	1108.9	1081.8	1038.5	1002.5	972.2	956.8	952.6
52.5°	1317.3	1307.0	1296.6	1282.1	1250.7	1223.4	1189.0	1153.6	1113.4	1082.0	1071.3
55°	1418.2	1424.4	1419.1	1419.4	1406.9	1389.6	1360.4	1334.1	1306.0	1270.5	1255.6
57.5°	1565.5	1601.2	1608.4	1626.3	1635.1	1644.5	1652.7	1637.0	1629.8	1603.4	1603.7
60°	1797.4	1849.7	1895.1	1936.4	1970.3	2003.3	2037.9	2053.4	2070.5	2078.4	2105.6
62.5°	2044.2	2094.1	2161.8	2217.1	2248.2	2291.1	2328.8	2353.3	2383.3	2415.2	2456.8
65°	2105.4	2165.4	2208.0	2244.9	2275.6	2298.5	2319.2	2348.4	2373.4	2424.0	2473.0
67.5°	1948.8	1996.7	2035.8	2072.0	2096.0	2115.2	2133.7	2153.0	2195.9	2241.9	2291.1
70°	1672.7	1730.6	1795.2	1842.3	1854.1	1870.7	1888.3	1913.3	1934.7	1982.9	2020.3
72.5°	1343.9	1427.0	1481.9	1547.0	1561.0	1586.1	1596.1	1615.5	1619.4	1645.6	1655.4
75°	936.7	1031.9	1086.9	1134.8	1144.1	1130.5	1136.0	1066.8	1049.2	1034.9	1023.4
77.5°	618.3	643.9	652.7	645.0	608.2	579.3	548.4	518.1	521.5	497.0	454.0
80°	549.8	555.5	547.6	539.9	518.8	488.4	460.6	432.3	418.2	403.4	381.3
82.5°	534.9	557.2	559.7	550.4	533.6	500.5	466.9	424.9	389.1	356.1	322.5
85°	178.9	217.6	235.0	251.2	256.2	262.0	242.2	215.2	182.7	160.9	126.0
87.5°	22.8	28.4	32.7	28.1	32.7	38.5	27.8	31.1	31.4	19.6	14.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	263.9	263.6	263.6	263.6	263.3	263.6	263.6	263.6	263.6	263.6	263.3
5°	269.9	269.9	270.8	271.1	270.5	270.3	270.5	270.8	270.8	270.5	270.8
7.5°	281.2	281.6	282.1	282.9	282.3	282.6	282.9	282.6	283.4	283.7	283.4
10°	295.5	296.1	297.5	297.7	297.5	298.5	298.9	298.2	298.9	298.9	299.9
12.5°	312.0	312.6	314.3	314.8	315.3	315.6	316.5	316.7	317.5	318.1	319.0
15°	329.9	330.5	331.6	333.5	334.1	334.6	335.1	336.8	337.1	338.2	339.1
17.5°	345.1	345.9	347.6	348.9	349.7	351.1	351.7	353.6	354.2	355.8	357.2
20°	357.2	358.5	359.9	361.6	363.0	364.6	365.2	367.0	368.2	369.0	370.7
22.5°	368.2	369.8	371.7	373.7	374.8	377.0	377.8	378.7	381.1	382.2	383.8
25°	382.5	384.1	386.3	388.8	389.9	392.6	393.5	394.9	397.6	398.8	401.2
27.5°	402.1	404.2	405.9	408.4	409.7	411.7	413.6	415.2	417.7	419.4	422.1
30°	426.5	428.2	430.9	432.8	435.0	437.8	440.0	441.7	443.0	445.5	448.5
32.5°	462.6	462.8	463.6	468.4	470.6	472.7	475.8	477.2	479.4	481.9	485.2
35°	507.5	509.9	511.8	514.0	516.5	519.0	520.1	524.2	526.1	529.4	532.7
37.5°	552.0	552.2	556.7	558.0	560.2	562.7	566.6	570.7	575.6	579.0	584.1
40°	599.9	602.1	607.6	610.4	613.1	619.2	622.2	628.8	637.0	641.7	650.5
42.5°	669.2	672.5	682.4	686.8	693.5	703.3	709.6	718.8	722.1	733.4	737.5
45°	760.0	770.3	784.6	793.9	805.7	816.5	822.0	826.1	831.0	839.8	838.8
47.5°	858.2	871.5	887.5	906.7	914.4	927.0	934.2	942.2	937.8	935.5	933.4
50°	959.0	974.4	995.5	1013.0	1024.8	1032.4	1038.5	1037.4	1028.1	1023.1	1009.3
52.5°	1071.0	1080.1	1100.1	1115.0	1122.2	1123.8	1122.5	1114.2	1105.4	1089.7	1073.5
55°	1242.7	1238.5	1246.5	1253.5	1251.2	1259.0	1239.1	1231.4	1209.6	1189.3	1167.6
57.5°	1591.6	1597.1	1552.5	1532.4	1528.9	1536.1	1501.0	1496.7	1444.1	1437.5	1400.9
60°	2101.8	2128.7	2093.8	2074.3	2021.5	2004.1	1965.0	1948.8	1898.4	1857.7	1806.2
62.5°	2485.4	2509.8	2524.5	2496.7	2465.8	2420.4	2361.2	2295.8	2242.4	2179.9	2125.5
65°	2520.1	2569.5	2603.1	2616.1	2594.3	2544.6	2471.6	2389.1	2307.4	2228.9	2160.1
67.5°	2357.9	2402.3	2454.3	2500.8	2503.5	2471.1	2408.9	2325.0	2230.6	2133.7	2053.1
70°	2079.5	2135.1	2180.5	2229.4	2263.6	2244.9	2213.8	2136.7	2038.8	1963.4	1870.7
72.5°	1691.2	1714.6	1725.6	1773.8	1774.3	1740.2	1718.2	1675.5	1596.6	1543.2	1472.4
75°	987.6	936.2	881.3	833.8	795.0	778.8	706.6	694.5	646.1	616.2	572.1
77.5°	407.3	361.3	302.2	252.8	204.1	182.2	150.3	136.2	118.0	110.1	104.9
80°	349.2	305.7	261.1	218.4	180.5	142.6	110.9	86.1	67.7	57.5	53.4
82.5°	285.1	259.0	227.9	204.8	175.0	146.6	123.8	96.1	71.8	52.8	40.4
85°	102.9	84.5	68.0	62.5	49.8	41.0	34.4	29.4	24.2	19.3	17.1
87.5°	11.6	11.0	6.3	6.0	6.8	5.0	5.8	5.2	4.4	3.8	4.1
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: VXS-F01-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	263.3	263.3	263.6	263.6	263.9	264.1	264.8	264.5	264.5	264.8	264.8
5°	270.8	271.6	271.3	271.3	271.3	271.6	271.9	270.8	269.6	268.6	268.0
7.5°	283.7	284.2	284.8	284.2	284.8	284.6	283.9	280.9	277.4	273.0	269.9
10°	300.5	300.5	301.0	300.7	301.9	301.0	299.4	292.5	284.8	275.4	268.6
12.5°	318.7	320.6	319.8	320.0	322.3	320.0	316.2	306.0	292.2	277.1	265.0
15°	340.1	340.9	341.5	340.6	342.1	340.1	333.3	317.0	296.9	275.8	257.8
17.5°	357.7	358.0	358.2	358.9	360.7	358.5	346.7	324.7	298.0	269.4	245.7
20°	371.5	372.8	374.0	374.0	376.7	373.4	357.7	328.6	294.4	259.0	230.4
22.5°	385.8	386.9	388.3	388.5	392.1	388.8	366.8	327.8	285.1	244.0	212.4
25°	403.4	404.5	405.6	406.9	411.9	407.3	375.9	324.5	272.1	226.4	193.2
27.5°	423.7	426.2	427.0	429.2	435.0	427.9	383.6	319.5	257.8	206.1	172.8
30°	451.0	454.0	455.1	458.1	466.1	450.5	388.0	311.0	239.7	185.5	151.1
32.5°	487.6	491.7	495.0	498.3	507.5	473.1	388.5	298.5	218.4	162.4	130.2
35°	535.4	541.9	544.2	546.5	555.0	497.5	386.1	280.1	192.6	138.7	113.7
37.5°	589.1	595.4	597.1	598.2	599.9	518.4	380.0	252.0	163.4	118.0	100.4
40°	655.2	660.7	662.9	661.2	652.4	534.7	366.5	219.3	135.1	104.0	92.2
42.5°	735.9	744.0	744.9	737.5	708.3	543.7	339.6	180.8	112.8	93.9	85.8
45°	835.8	835.1	830.5	825.3	769.1	540.2	301.9	147.3	98.8	85.8	80.1
47.5°	925.4	916.1	908.9	893.5	822.8	519.3	253.2	121.9	90.3	79.8	75.1
50°	998.9	981.9	966.7	949.9	862.7	482.1	204.8	103.4	82.3	74.6	70.5
52.5°	1057.0	1036.3	1018.7	1002.2	901.2	440.8	167.9	89.9	74.6	69.3	65.2
55°	1147.8	1127.2	1099.1	1080.9	960.1	402.9	143.9	79.3	67.2	63.8	59.7
57.5°	1377.5	1359.4	1325.8	1278.8	1111.4	388.5	130.5	71.0	61.1	59.2	55.9
60°	1778.8	1749.3	1705.5	1657.6	1419.1	398.1	119.7	65.2	57.0	55.3	52.8
62.5°	2081.5	2029.7	1980.2	1935.9	1665.1	397.9	105.7	60.8	53.9	53.1	50.7
65°	2093.8	2041.2	1991.4	1945.0	1670.6	354.2	89.1	57.0	53.4	53.1	49.0
67.5°	1982.6	1925.7	1877.5	1818.9	1546.5	276.8	71.5	54.5	55.5	55.0	48.4
70°	1801.0	1726.7	1687.0	1629.3	1361.0	193.7	58.9	55.3	60.3	58.7	49.2
72.5°	1413.6	1357.4	1297.2	1257.0	1065.5	122.5	49.5	55.9	62.2	59.5	51.5
75°	526.1	541.2	516.5	507.7	541.2	71.8	44.0	52.0	55.5	51.5	46.7
77.5°	106.2	101.6	96.3	95.2	123.0	44.4	40.4	45.1	42.7	37.7	37.9
80°	50.9	49.5	47.9	47.6	45.7	36.9	37.4	38.5	32.2	29.1	31.1
82.5°	33.9	31.9	31.4	30.3	30.8	33.1	35.5	33.1	24.8	23.1	28.1
85°	15.6	15.1	14.8	14.8	16.5	29.7	29.4	24.2	17.1	16.5	28.1
87.5°	3.8	3.8	4.1	3.8	4.4	8.8	7.7	7.5	6.3	7.2	13.2
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):

	165°	175°	180°
0°	262.5	262.5	262.5
2.5°	264.5	264.8	264.5
5°	266.9	266.9	266.9
7.5°	266.9	266.1	265.8
10°	263.1	260.6	260.6
12.5°	256.5	252.3	251.8
15°	244.0	238.5	237.7
17.5°	228.4	220.9	219.6
20°	210.8	201.5	199.8
22.5°	191.5	180.8	180.0
25°	172.5	161.6	159.3
27.5°	151.3	140.6	139.5
30°	130.2	120.8	120.2
32.5°	112.2	106.5	105.4
35°	99.6	96.3	94.9
37.5°	91.4	88.9	88.6
40°	85.1	82.8	82.6
42.5°	79.8	77.8	77.6
45°	74.6	73.0	72.3
47.5°	69.3	67.7	67.5
50°	64.7	62.5	62.2
52.5°	60.3	58.0	57.5
55°	56.2	53.9	53.9
57.5°	52.5	50.4	50.1
60°	49.2	47.0	46.7
62.5°	46.7	44.0	43.7
65°	44.9	42.1	41.6
67.5°	43.7	40.4	39.6
70°	45.7	39.6	38.2
72.5°	45.9	38.8	36.9
75°	44.4	36.6	35.2
77.5°	38.8	32.7	31.4
80°	33.6	25.3	23.4
82.5°	31.9	20.6	17.9
85°	24.8	13.5	12.6
87.5°	14.0	7.5	6.0
90°	0.0	0.0	0.0

(END OF REPORT)