

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: P152715

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152715
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-F01-LED-E1-SLL
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
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



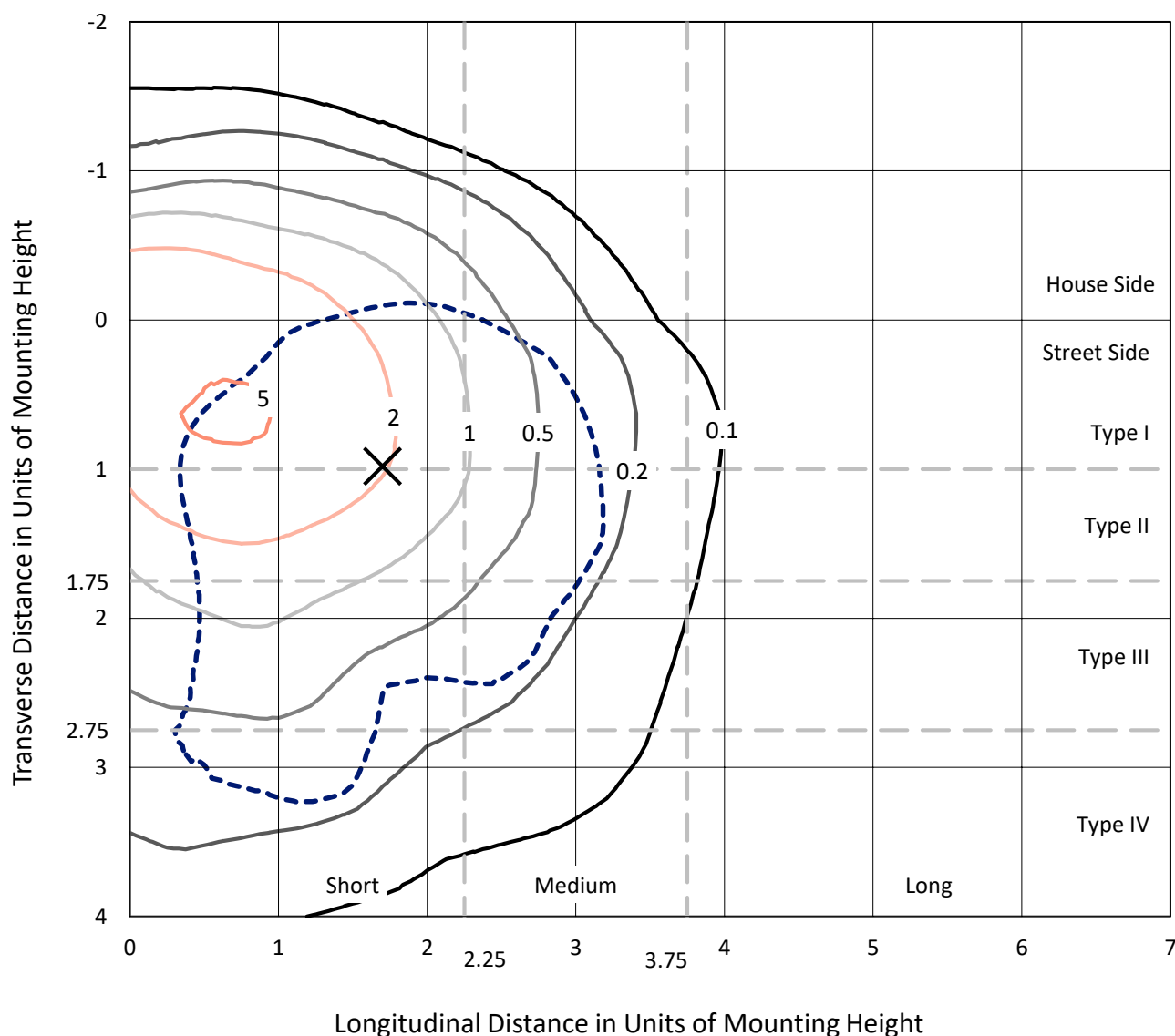
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

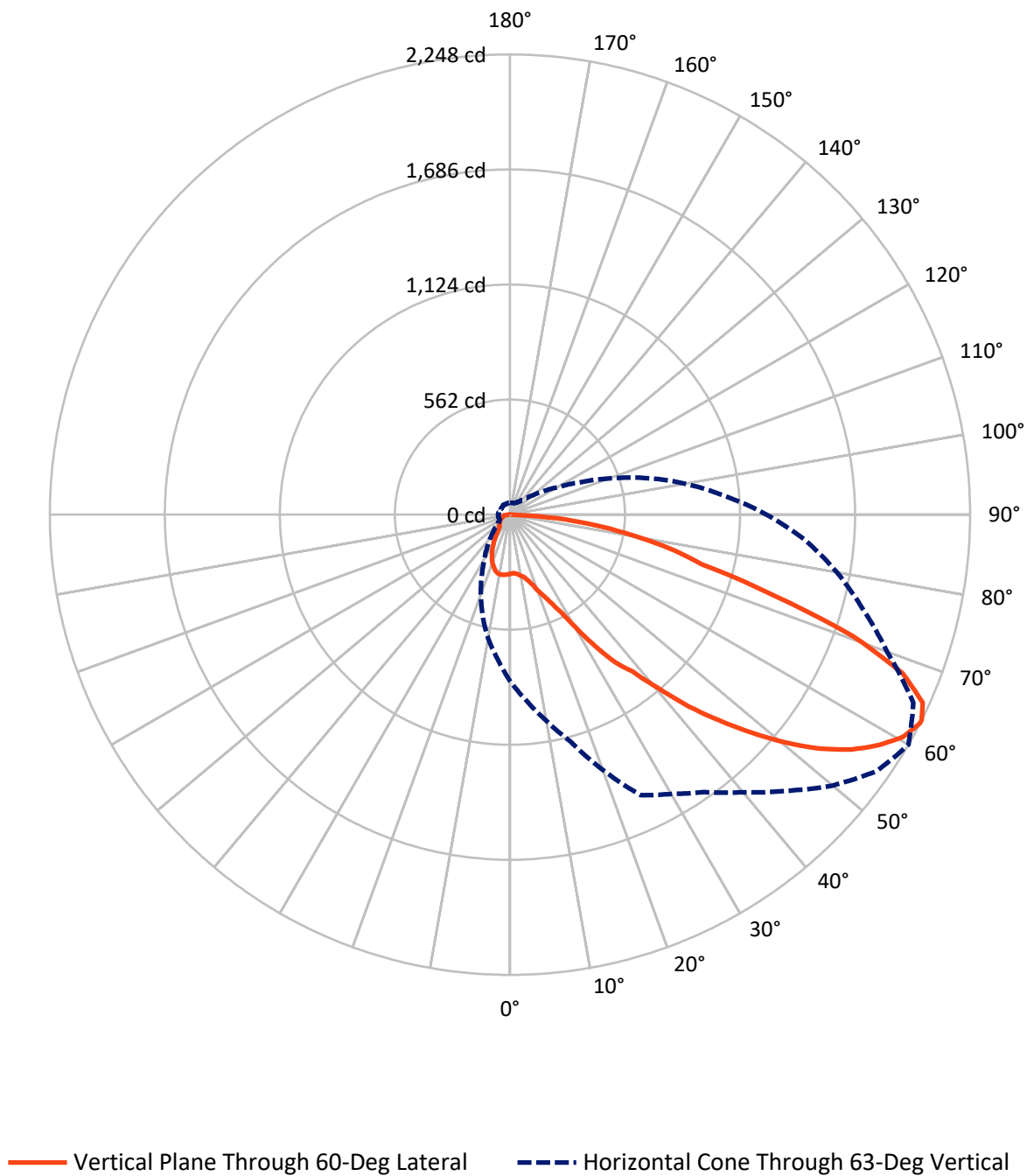


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	498.1	0.0	498.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1798.9	0.0	1798.9
	% Fixture	78.3	0.0	78.3
Total	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°	330.7	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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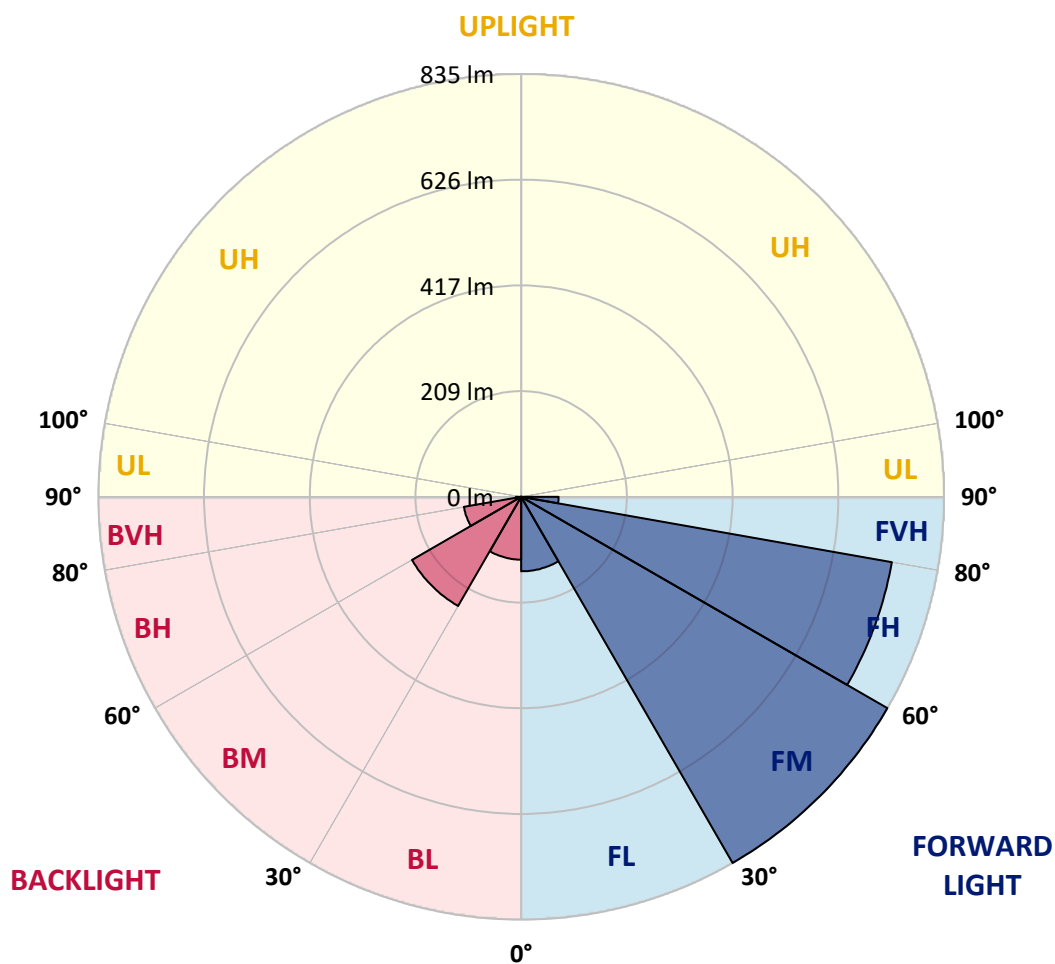
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	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	285.4	285.4	285.1	285.1	285.6	285.4	285.1	284.2	285.4	285.4
5°	282.6	283.1	283.1	283.7	284.2	284.8	284.8	285.4	285.1	286.2	287.0
7.5°	285.4	285.9	287.0	288.4	289.2	291.1	291.1	292.5	293.1	293.9	293.6
10°	288.9	290.3	292.7	295.0	296.7	298.9	300.5	302.4	302.4	303.2	303.8
12.5°	295.2	296.7	299.4	302.2	304.7	307.4	309.8	311.8	313.7	314.3	315.3
15°	305.7	307.4	311.5	315.3	318.3	322.0	325.3	329.1	332.6	333.5	334.1
17.5°	321.5	324.7	327.8	334.6	339.1	343.7	348.9	354.4	355.5	361.3	362.7
20°	343.7	347.8	350.6	359.1	366.5	372.5	380.3	386.6	389.1	394.6	400.1
22.5°	382.2	381.3	385.5	394.1	399.6	411.7	418.2	424.9	428.2	436.5	440.8
25°	434.0	438.3	447.5	448.3	453.5	467.6	476.1	482.7	482.9	485.4	490.1
27.5°	484.9	503.0	517.3	525.1	539.1	552.0	551.4	560.8	546.2	549.2	553.7
30°	546.5	576.8	603.7	621.9	636.2	651.3	658.8	664.0	657.6	654.9	649.6
32.5°	604.2	646.6	688.2	720.4	747.2	772.1	788.6	796.1	804.9	827.2	835.1
35°	643.9	703.9	755.6	802.2	846.7	886.6	915.5	932.0	925.7	922.7	921.0
37.5°	667.6	740.7	805.4	871.2	922.4	982.1	1026.9	1070.5	1080.3	1063.0	1054.5
40°	682.4	769.1	852.2	929.8	996.2	1073.2	1128.8	1194.0	1243.5	1250.2	1229.7
42.5°	689.6	788.1	885.0	972.7	1062.5	1156.8	1227.3	1306.2	1380.3	1431.2	1418.5
45°	690.7	800.5	908.9	1011.5	1118.3	1230.3	1321.1	1408.6	1507.7	1594.9	1597.4
47.5°	690.7	809.8	925.4	1039.6	1168.4	1294.2	1393.2	1496.7	1618.0	1721.2	1752.8
50°	691.2	816.2	940.8	1061.7	1206.6	1348.1	1460.1	1582.3	1709.9	1822.2	1883.3
52.5°	693.7	820.8	953.0	1077.3	1231.4	1386.0	1512.1	1653.0	1780.1	1895.4	1974.4
55°	699.2	827.5	961.8	1086.9	1247.9	1410.8	1549.7	1701.5	1825.5	1942.5	2052.8
57.5°	714.6	839.0	972.4	1095.4	1257.0	1427.0	1576.2	1722.3	1842.8	1964.8	2094.4
60°	745.5	863.5	990.9	1112.5	1272.1	1457.1	1588.9	1708.3	1830.2	1958.1	2103.7
62.5°	794.7	901.8	1016.5	1141.5	1315.3	1503.5	1579.3	1666.4	1780.4	1919.9	2070.5
63°	811.8	910.1	1022.3	1147.8	1327.2	1512.1	1575.1	1654.1	1770.2	1907.8	2058.5
65°	859.4	946.6	1049.7	1179.7	1375.9	1520.6	1542.9	1589.6	1699.8	1838.8	1988.7
67.5°	948.3	1035.4	1108.9	1233.6	1416.9	1487.0	1443.0	1448.8	1563.8	1707.8	1842.6
70°	1004.4	1108.4	1146.6	1240.5	1409.4	1437.2	1313.7	1237.2	1329.3	1493.4	1611.4
72.5°	989.8	1109.2	1105.1	1148.8	1260.8	1286.7	1158.8	1038.2	1093.0	1215.4	1291.9
75°	847.8	990.7	960.3	951.6	990.9	1008.0	911.9	893.5	962.6	1030.6	1031.6
77.5°	610.4	767.5	731.9	681.0	678.3	717.6	730.6	851.4	953.5	1007.2	983.5
80°	388.8	559.2	522.3	433.4	432.0	483.2	596.9	761.1	869.3	899.3	837.6
82.5°	203.1	366.0	380.0	325.3	372.3	457.1	568.0	613.4	654.4	658.4	585.8
85°	126.6	225.1	264.8	273.3	336.3	405.3	404.5	388.5	370.4	317.0	286.7
87.5°	14.3	28.4	42.9	40.7	54.7	76.8	95.8	56.2	39.4	14.3	19.8
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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CATALOG NUMBER: VXS-F01-LED-E1-SLL

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°	285.9	286.2	286.4	286.4	287.9	287.6	287.9	288.4	289.2	289.7	290.3
5°	288.1	288.1	289.2	290.1	291.7	292.7	293.4	295.0	296.9	296.4	298.0
7.5°	295.2	295.0	296.1	296.7	298.0	299.9	299.7	301.0	302.7	303.2	304.7
10°	304.9	304.0	304.0	303.5	303.8	303.2	303.2	303.2	304.4	304.0	305.2
12.5°	314.8	314.5	314.0	312.3	312.3	310.2	309.0	307.7	307.4	305.5	305.7
15°	335.1	335.1	334.1	330.8	328.0	326.1	323.3	321.5	318.7	315.0	313.2
17.5°	364.9	361.0	359.7	359.1	354.7	353.1	347.0	340.6	337.6	332.6	329.9
20°	401.2	400.4	394.9	392.1	386.6	379.0	371.2	363.0	358.0	351.9	348.6
22.5°	442.2	436.2	433.4	429.2	420.7	411.9	400.4	389.3	381.7	377.5	375.0
25°	490.1	484.0	481.2	475.8	465.3	456.0	441.7	428.7	421.9	414.9	411.1
27.5°	553.7	547.9	544.6	530.3	526.7	511.3	493.7	476.1	466.9	456.8	450.2
30°	648.6	648.9	631.8	614.5	596.6	569.8	551.4	531.6	516.8	502.2	487.6
32.5°	809.0	768.0	736.4	699.2	660.4	632.1	609.2	585.6	565.0	543.7	519.5
35°	906.9	887.2	846.1	778.2	739.2	704.8	679.4	650.8	625.5	588.1	551.2
37.5°	1017.6	971.6	921.9	884.1	839.8	799.9	757.5	725.1	681.3	631.0	578.7
40°	1179.2	1113.4	1053.4	1002.7	945.5	903.6	856.4	809.3	751.2	678.3	606.5
42.5°	1347.8	1279.8	1200.6	1134.8	1067.4	1018.4	959.8	893.8	808.5	718.2	630.5
45°	1524.8	1433.9	1339.0	1258.7	1188.5	1127.7	1055.0	967.6	863.5	754.0	652.7
47.5°	1699.2	1594.9	1481.9	1395.4	1304.0	1229.7	1140.6	1029.9	906.4	787.9	675.0
50°	1853.1	1752.5	1616.4	1506.6	1414.1	1322.5	1211.3	1078.1	940.3	817.0	695.1
52.5°	1985.7	1899.3	1755.9	1617.2	1510.7	1407.8	1268.3	1116.9	974.4	843.9	711.6
55°	2083.1	2025.6	1893.5	1721.5	1595.8	1473.1	1316.5	1154.4	1006.6	865.4	722.4
57.5°	2156.6	2124.7	2011.3	1819.7	1673.9	1536.3	1366.2	1199.2	1038.5	883.8	727.3
60°	2196.7	2205.5	2100.4	1905.6	1743.0	1589.1	1416.1	1237.5	1062.2	894.6	724.6
62.5°	2192.8	2246.8	2167.3	1958.4	1783.1	1620.5	1449.6	1255.3	1058.9	877.5	699.5
63°	2185.4	2248.2	2174.7	1962.0	1785.6	1621.6	1450.5	1252.8	1052.0	869.3	689.6
65°	2121.3	2216.6	2168.4	1945.8	1763.6	1600.9	1433.2	1217.1	1003.5	825.0	638.7
67.5°	1949.6	2068.8	2055.0	1831.0	1659.3	1515.6	1344.5	1101.8	883.8	716.0	541.2
70°	1665.9	1777.9	1780.4	1592.4	1449.1	1308.2	1165.9	896.5	700.6	555.0	403.7
72.5°	1276.8	1348.9	1374.0	1250.2	1154.1	1055.0	927.4	650.8	499.5	377.5	262.8
75°	988.7	968.9	968.6	916.4	877.3	828.8	688.5	439.2	328.0	245.5	160.7
77.5°	888.8	800.7	715.4	652.7	621.3	605.1	451.6	264.8	193.5	141.1	92.4
80°	733.1	603.2	487.4	419.7	392.6	411.4	251.8	143.1	105.9	80.3	60.0
82.5°	505.5	419.7	319.0	264.1	226.7	237.2	128.8	73.2	49.0	44.9	37.1
85°	263.3	230.9	194.8	167.4	147.8	129.8	66.8	34.9	20.4	17.9	16.3
87.5°	0.0	0.3	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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CATALOG NUMBER: VXS-F01-LED-E1-SLL

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°	291.1	290.9	291.4	291.7	292.5	293.1	293.4	292.7	293.6	294.4	293.9
5°	298.9	300.7	301.0	301.9	301.9	303.5	303.5	303.5	303.2	303.5	303.0
7.5°	305.5	307.9	308.2	309.3	309.5	311.5	310.7	311.2	311.2	309.8	309.3
10°	306.3	308.7	310.2	311.5	313.5	315.9	315.9	317.3	317.3	316.2	315.9
12.5°	306.5	308.5	309.8	311.8	314.5	318.1	320.0	322.0	322.8	322.5	321.7
15°	312.3	312.3	312.6	314.3	316.2	320.6	323.3	325.5	326.9	326.3	325.0
17.5°	327.5	325.3	323.6	320.8	321.5	323.6	325.3	327.2	327.5	326.9	324.7
20°	345.1	342.3	338.2	333.8	331.6	329.9	328.8	328.8	328.0	325.3	321.7
22.5°	370.2	366.5	360.7	354.2	349.7	344.6	338.2	332.1	325.5	319.0	311.2
25°	404.8	399.8	393.8	383.6	374.2	363.2	350.3	336.8	321.1	307.4	296.1
27.5°	439.7	428.7	413.1	399.0	381.7	365.2	346.7	330.3	310.2	293.6	281.2
30°	468.6	447.7	425.2	402.9	380.0	357.7	335.8	315.9	293.9	277.1	265.0
32.5°	490.9	462.0	430.7	401.5	373.4	346.2	320.8	298.9	276.6	259.2	246.3
35°	511.5	471.4	431.5	395.4	360.7	332.4	303.8	279.9	256.2	238.0	224.0
37.5°	526.9	475.8	426.5	384.1	344.2	312.6	283.4	259.0	234.7	214.9	199.0
40°	536.9	473.1	415.8	367.9	324.7	291.4	261.7	236.4	213.0	191.3	172.0
42.5°	544.9	469.4	405.1	353.1	309.3	273.0	242.4	215.2	191.5	167.9	146.6
45°	556.7	472.2	400.4	342.6	295.5	257.3	223.7	195.3	170.6	147.5	127.2
47.5°	568.2	473.6	393.5	329.6	278.2	241.0	206.9	179.4	154.1	133.0	114.2
50°	578.7	472.7	382.8	313.2	261.5	224.8	191.8	164.2	139.3	119.7	102.1
52.5°	583.6	468.1	369.5	297.2	248.0	210.5	176.9	150.3	125.5	107.0	90.8
55°	583.1	456.0	352.2	282.1	233.1	195.3	162.4	136.0	113.7	96.6	82.6
57.5°	574.8	437.2	333.8	265.3	213.6	176.7	145.3	119.7	101.0	86.6	74.8
60°	557.5	413.3	309.5	240.8	189.0	153.6	124.1	102.1	86.9	76.0	68.3
62.5°	525.1	379.0	279.3	206.6	156.1	123.5	97.9	83.6	72.3	65.8	62.2
63°	515.4	369.5	266.3	198.4	148.3	116.7	92.4	77.6	69.3	63.5	60.3
65°	467.6	323.6	222.9	160.1	115.3	89.9	74.3	63.0	58.0	55.5	55.3
67.5°	378.7	254.5	157.7	109.8	78.4	65.0	57.0	52.3	50.1	49.5	50.1
70°	265.8	160.7	100.2	73.0	58.0	52.3	48.7	46.7	45.4	45.7	46.2
72.5°	169.5	96.3	68.8	55.3	49.0	45.9	44.4	43.7	43.5	43.2	43.2
75°	96.6	64.1	52.8	47.9	44.6	42.1	40.7	40.2	40.4	40.7	40.2
77.5°	63.8	52.8	47.0	43.7	40.7	37.9	37.1	36.9	37.4	37.9	37.9
80°	50.4	47.0	43.7	40.4	35.5	33.6	34.1	34.4	34.1	34.4	33.6
82.5°	35.5	34.9	35.8	34.4	29.4	27.8	27.3	27.6	26.9	26.9	26.4
85°	16.5	16.5	17.3	17.3	16.8	17.1	18.4	20.1	20.9	20.1	19.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	5.0	7.2	7.7	9.6	9.3
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-SLL

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°	293.1	293.6	293.4	293.1	293.6	293.1	293.4	293.1	293.1	292.7	292.7
5°	302.4	303.2	301.6	301.3	300.7	299.4	299.4	298.9	298.9	297.7	296.9
7.5°	308.5	308.7	307.4	307.0	305.7	304.4	303.2	302.2	301.9	301.0	299.4
10°	314.3	313.7	312.6	311.2	309.8	307.9	306.5	305.2	304.9	303.5	301.6
12.5°	319.2	319.0	316.7	315.3	313.2	311.2	309.5	307.9	307.0	305.5	302.7
15°	322.5	320.8	318.1	315.6	313.2	311.0	309.0	307.0	306.3	304.4	301.6
17.5°	321.1	318.1	314.5	311.5	308.2	305.5	303.8	301.9	300.5	299.4	295.5
20°	316.2	311.8	306.3	302.7	298.2	294.7	293.6	291.7	290.6	286.4	281.6
22.5°	303.2	296.9	290.1	284.8	279.9	276.3	273.6	271.6	268.8	266.3	258.7
25°	287.0	279.9	272.7	266.3	259.8	254.3	249.3	244.7	243.2	238.0	230.6
27.5°	271.3	263.3	256.2	248.8	240.2	233.4	224.8	218.2	213.8	208.3	201.5
30°	254.5	246.5	236.9	227.0	217.1	209.6	200.1	192.0	186.5	180.8	174.5
32.5°	233.4	223.7	212.1	201.1	192.0	183.3	173.7	165.9	160.4	155.2	149.1
35°	209.1	196.5	184.0	172.0	162.4	154.9	146.4	140.6	136.8	132.1	125.8
37.5°	181.3	167.0	153.8	144.5	136.0	128.8	122.7	119.2	115.0	112.5	108.7
40°	153.3	139.3	126.3	117.8	110.6	106.5	103.2	102.4	99.6	96.3	93.9
42.5°	128.5	115.0	102.4	95.4	90.8	89.7	88.1	88.1	86.6	84.2	82.6
45°	111.7	97.7	86.6	81.8	79.3	79.0	78.1	78.1	77.8	76.8	74.8
47.5°	99.6	86.9	78.4	75.4	74.8	74.3	73.5	73.2	73.0	72.1	71.0
50°	88.6	77.8	72.3	71.0	71.3	70.5	69.6	68.8	68.5	67.7	66.6
52.5°	78.4	70.7	67.2	66.3	66.3	66.3	65.8	65.8	65.2	65.0	63.8
55°	72.6	66.8	65.0	64.7	64.4	64.1	63.5	63.5	63.0	62.7	61.3
57.5°	67.7	64.1	63.0	62.5	62.2	61.7	61.3	61.3	61.3	61.3	59.7
60°	63.8	62.2	61.9	61.3	61.1	60.0	59.5	59.2	59.5	59.7	58.0
62.5°	59.7	59.5	59.2	58.7	58.3	57.2	56.4	55.9	56.4	57.0	56.7
63°	58.7	58.3	58.3	58.0	57.8	56.4	55.5	55.0	55.5	56.2	56.2
65°	54.7	55.0	55.0	54.7	54.5	53.7	52.5	52.0	52.3	53.1	53.4
67.5°	50.7	50.9	50.7	50.9	50.7	50.1	49.2	48.7	48.4	48.7	49.0
70°	46.7	47.4	47.0	46.7	46.5	46.5	45.9	45.1	44.9	44.6	44.6
72.5°	43.5	43.5	42.9	42.9	42.7	42.7	42.1	41.2	41.0	41.0	40.4
75°	39.9	39.9	39.1	39.1	38.5	38.8	38.2	37.4	37.1	37.1	36.9
77.5°	37.7	36.9	35.5	35.2	34.9	34.9	34.7	33.9	33.6	33.6	33.3
80°	33.3	31.6	30.3	29.9	30.3	30.8	30.8	30.3	30.3	30.3	30.3
82.5°	25.9	25.3	24.5	23.9	23.9	24.8	25.9	26.4	26.9	27.6	27.6
85°	19.0	19.3	19.0	18.1	17.9	18.8	19.8	20.9	21.1	22.3	22.0
87.5°	10.2	10.5	9.6	9.3	10.2	10.8	11.8	12.1	12.6	13.0	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):

	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°	292.5	292.2	292.5	291.9	291.9	291.4	290.9	290.6	290.1	289.7	289.2
5°	297.5	296.7	295.9	295.5	294.4	293.4	292.5	291.1	290.1	288.1	287.6
7.5°	300.7	298.9	297.7	297.5	295.9	295.0	293.1	291.4	289.7	287.3	286.4
10°	302.2	300.2	298.2	297.5	295.5	294.2	292.2	289.7	288.4	285.9	285.4
12.5°	303.8	300.2	297.2	295.0	292.2	289.2	287.3	285.9	283.9	282.6	282.1
15°	300.7	296.1	291.4	287.3	282.9	279.6	277.6	275.4	273.3	272.4	272.4
17.5°	292.5	286.4	278.4	273.3	268.6	265.0	262.5	260.3	260.0	259.0	259.5
20°	275.4	267.5	259.8	256.0	253.2	251.0	248.5	247.4	246.5	244.9	244.4
22.5°	251.8	245.2	239.7	236.9	234.7	232.0	229.7	226.4	225.6	224.0	223.2
25°	225.6	220.4	215.8	213.8	212.4	208.6	207.3	202.8	199.8	197.8	199.0
27.5°	199.5	195.6	191.3	188.8	188.0	184.4	183.0	178.0	175.5	175.5	172.8
30°	172.5	168.9	166.2	163.4	162.9	158.5	154.9	153.0	150.3	149.1	147.3
32.5°	147.3	143.6	141.5	140.1	137.8	134.3	130.7	127.4	123.0	121.3	120.5
35°	123.8	121.0	118.3	117.2	114.2	110.4	105.9	103.2	97.9	96.1	95.2
37.5°	105.9	102.6	100.7	97.7	94.6	90.6	87.3	84.8	82.8	82.0	82.0
40°	91.6	89.1	86.9	84.5	82.0	79.8	78.1	77.6	77.3	77.3	77.8
42.5°	80.9	78.7	77.6	76.3	75.4	75.4	75.1	75.4	75.6	76.0	76.8
45°	73.8	72.3	71.8	71.5	72.1	72.6	73.0	73.5	74.6	75.1	75.4
47.5°	69.8	68.8	68.5	68.8	69.6	70.7	71.8	72.6	73.5	73.8	74.0
50°	66.0	64.7	64.1	64.7	65.8	67.5	68.3	69.6	70.2	70.7	70.2
52.5°	62.7	61.7	61.3	61.3	62.5	63.5	64.7	65.8	66.0	66.0	65.8
55°	60.0	59.2	58.3	58.9	59.7	60.8	62.5	63.3	63.8	64.1	64.1
57.5°	57.8	57.0	56.2	56.7	57.5	58.7	60.3	61.1	61.7	62.5	62.7
60°	56.2	55.0	54.2	55.0	55.9	57.5	58.9	59.7	61.1	61.3	61.3
62.5°	54.5	53.4	52.0	52.8	52.8	53.7	55.0	56.2	57.5	58.0	58.0
63°	54.2	53.1	51.7	52.3	52.3	52.8	53.9	55.0	56.7	57.2	57.0
65°	52.0	51.7	50.4	50.4	49.8	50.4	51.2	52.3	53.1	53.9	53.9
67.5°	48.4	48.2	47.9	47.9	47.9	48.4	49.0	49.8	50.7	51.2	50.9
70°	44.4	44.4	44.4	44.6	44.6	45.1	45.4	45.1	45.9	46.5	46.2
72.5°	40.7	40.4	40.2	40.7	40.4	40.4	41.0	40.7	41.6	41.6	41.9
75°	36.9	36.6	36.6	36.9	36.4	35.8	36.1	36.1	36.4	36.4	36.9
77.5°	33.6	33.6	33.6	33.3	32.7	32.4	32.2	32.2	32.2	32.2	32.4
80°	30.6	30.6	30.6	30.3	29.7	29.1	28.6	28.4	28.1	26.7	26.7
82.5°	27.6	27.6	27.6	27.6	27.3	26.7	25.9	23.6	22.6	21.5	21.8
85°	21.8	22.3	22.8	23.6	23.4	23.4	21.8	19.0	17.3	16.3	16.5
87.5°	14.0	12.3	12.3	12.1	11.6	11.0	11.0	9.3	7.7	6.8	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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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°	289.2	288.7	288.1	288.1	287.3	287.3	286.7	287.9	286.7	285.9	285.9	2.5°
5°	287.0	286.4	284.8	284.6	283.4	283.4	283.4	282.9	282.9	282.3	282.1	5°
7.5°	285.6	284.2	282.9	282.1	282.1	281.6	282.6	282.1	282.3	282.3	282.6	7.5°
10°	284.6	283.4	282.9	282.6	282.6	283.4	284.2	284.6	284.2	284.6	284.6	10°
12.5°	281.8	282.3	282.6	283.7	285.1	286.7	288.7	288.9	289.5	289.5	290.1	12.5°
15°	273.0	274.3	276.0	278.8	282.3	285.9	289.5	292.5	295.2	296.7	297.7	15°
17.5°	260.6	262.0	265.0	268.0	272.7	277.9	283.9	289.2	295.0	300.2	305.5	17.5°
20°	243.8	246.0	246.8	252.3	257.8	265.0	272.1	280.4	290.3	300.2	310.4	20°
22.5°	222.1	224.6	228.4	232.8	238.5	247.4	256.0	268.8	282.1	296.1	312.0	22.5°
25°	197.8	200.6	203.9	208.6	214.4	223.7	236.1	249.8	266.1	284.6	304.4	25°
27.5°	172.8	175.5	178.3	181.7	188.2	198.1	212.7	227.0	244.9	265.0	288.1	27.5°
30°	147.8	148.1	149.7	153.8	160.7	173.7	184.4	202.3	220.9	242.2	268.8	30°
32.5°	120.2	120.0	121.9	125.5	132.1	144.5	157.7	175.0	193.5	220.1	247.7	32.5°
35°	95.8	95.8	99.4	102.9	110.4	119.2	130.7	146.1	167.9	192.6	220.1	35°
37.5°	82.8	84.8	86.9	90.6	96.3	103.2	113.4	126.8	143.9	167.6	192.8	37.5°
40°	78.7	79.8	81.8	85.1	89.9	96.3	103.7	113.9	127.2	146.1	169.2	40°
42.5°	77.1	77.3	78.4	80.9	85.3	91.6	99.4	108.4	118.3	131.8	151.9	42.5°
45°	75.4	75.1	75.6	77.6	81.1	88.3	97.1	107.0	117.0	128.2	144.8	45°
47.5°	74.0	74.0	74.0	74.8	78.1	85.3	95.4	107.0	118.9	131.5	147.8	47.5°
50°	70.2	69.8	69.8	70.5	73.0	80.6	92.7	106.7	122.2	138.7	157.1	50°
52.5°	65.8	65.8	66.0	66.3	68.5	76.3	89.7	106.7	126.0	148.1	171.2	52.5°
55°	64.4	64.7	65.0	64.7	66.3	73.0	86.4	105.1	127.7	155.4	186.3	55°
57.5°	63.3	63.8	63.8	63.5	64.7	70.2	83.1	101.9	126.3	158.2	197.0	57.5°
60°	61.7	61.7	61.7	60.8	61.3	66.3	78.1	96.6	121.9	155.8	198.7	60°
62.5°	58.0	58.0	57.5	57.2	57.0	60.8	71.5	88.9	113.9	149.1	194.5	62.5°
63°	57.2	57.0	57.0	56.2	56.2	59.7	70.2	87.8	111.7	147.5	192.8	63°
65°	54.2	54.2	54.2	53.7	53.4	56.2	64.7	80.1	103.2	139.8	184.7	65°
67.5°	50.9	51.2	50.7	50.4	50.1	51.7	58.3	70.5	89.9	123.5	169.2	67.5°
70°	46.2	46.5	46.5	46.2	45.9	47.0	51.2	60.5	74.6	102.9	144.1	70°
72.5°	42.1	42.7	42.7	43.2	43.2	44.0	45.7	50.4	59.7	80.3	113.4	72.5°
75°	37.7	37.9	38.5	39.1	38.5	38.2	38.5	42.1	46.7	59.5	80.9	75°
77.5°	33.9	34.7	34.7	34.4	33.6	33.1	33.1	34.7	38.5	45.1	57.8	77.5°
80°	28.1	29.4	29.7	28.9	28.1	28.1	28.6	29.7	32.2	37.1	43.7	80°
82.5°	22.6	23.9	24.2	24.5	24.2	25.1	25.1	25.3	26.7	30.6	35.8	82.5°
85°	17.3	18.4	19.3	19.6	19.8	20.1	19.8	18.4	19.3	21.8	24.2	85°
87.5°	7.7	8.0	7.5	7.7	7.5	7.7	8.0	6.6	6.3	8.5	8.8	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
285.6	285.6	285.9	285.4	285.4	285.6	284.8
281.2	282.3	282.3	282.3	281.8	282.3	282.6
282.3	283.1	283.7	283.7	283.4	284.6	285.4
283.7	285.1	285.6	285.6	285.6	287.0	288.9
288.9	290.1	290.9	290.9	291.4	293.1	295.2
298.5	299.9	299.9	299.7	301.3	303.2	305.7
309.3	313.2	315.0	314.8	316.2	318.7	321.5
319.5	330.3	334.9	338.2	339.6	342.9	343.7
328.0	345.9	358.9	369.8	375.0	378.3	382.2
325.0	349.2	372.3	394.9	410.9	427.0	434.0
312.6	342.9	373.2	406.1	435.0	463.9	484.9
297.5	333.8	374.5	421.2	466.9	511.3	546.5
280.1	325.3	377.5	435.3	495.3	553.4	604.2
258.3	309.0	370.2	436.7	507.5	577.8	643.9
230.9	287.0	352.7	426.8	508.0	588.6	667.6
203.3	259.2	330.8	412.5	500.8	591.1	682.4
184.0	234.4	308.5	394.3	489.2	587.3	689.6
170.9	216.6	288.7	377.8	476.9	580.3	690.7
169.7	208.8	275.8	365.7	466.9	574.3	690.7
179.2	213.0	271.3	359.7	462.8	572.3	691.2
196.8	229.5	279.3	364.4	466.1	574.8	693.7
217.9	254.5	300.7	380.5	480.2	583.1	699.2
237.2	283.4	337.4	411.9	505.8	604.0	714.6
248.5	308.2	376.2	456.0	549.5	645.6	745.5
249.8	322.0	410.6	503.8	602.6	693.2	794.7
248.8	323.0	414.9	513.0	613.9	705.0	811.8
242.7	323.3	427.4	544.9	653.0	754.8	859.4
227.3	314.5	431.7	569.8	702.3	820.3	948.3
200.6	289.5	418.9	570.5	721.2	856.9	1004.4
161.2	241.9	363.0	519.0	671.2	820.8	989.8
118.0	177.7	274.3	402.1	547.6	683.2	847.8
78.4	115.0	184.9	286.4	392.6	491.7	610.4
53.9	71.3	108.2	172.2	240.2	288.4	388.8
39.6	47.0	60.0	88.1	115.5	142.3	203.1
24.8	26.9	29.9	43.5	62.2	83.9	126.6
6.6	6.8	6.3	8.5	13.5	13.0	14.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)