

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: P152725

Luminaire Tested: **VXS-F02-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152725
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-F02-LED-E1-SLL
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4594 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

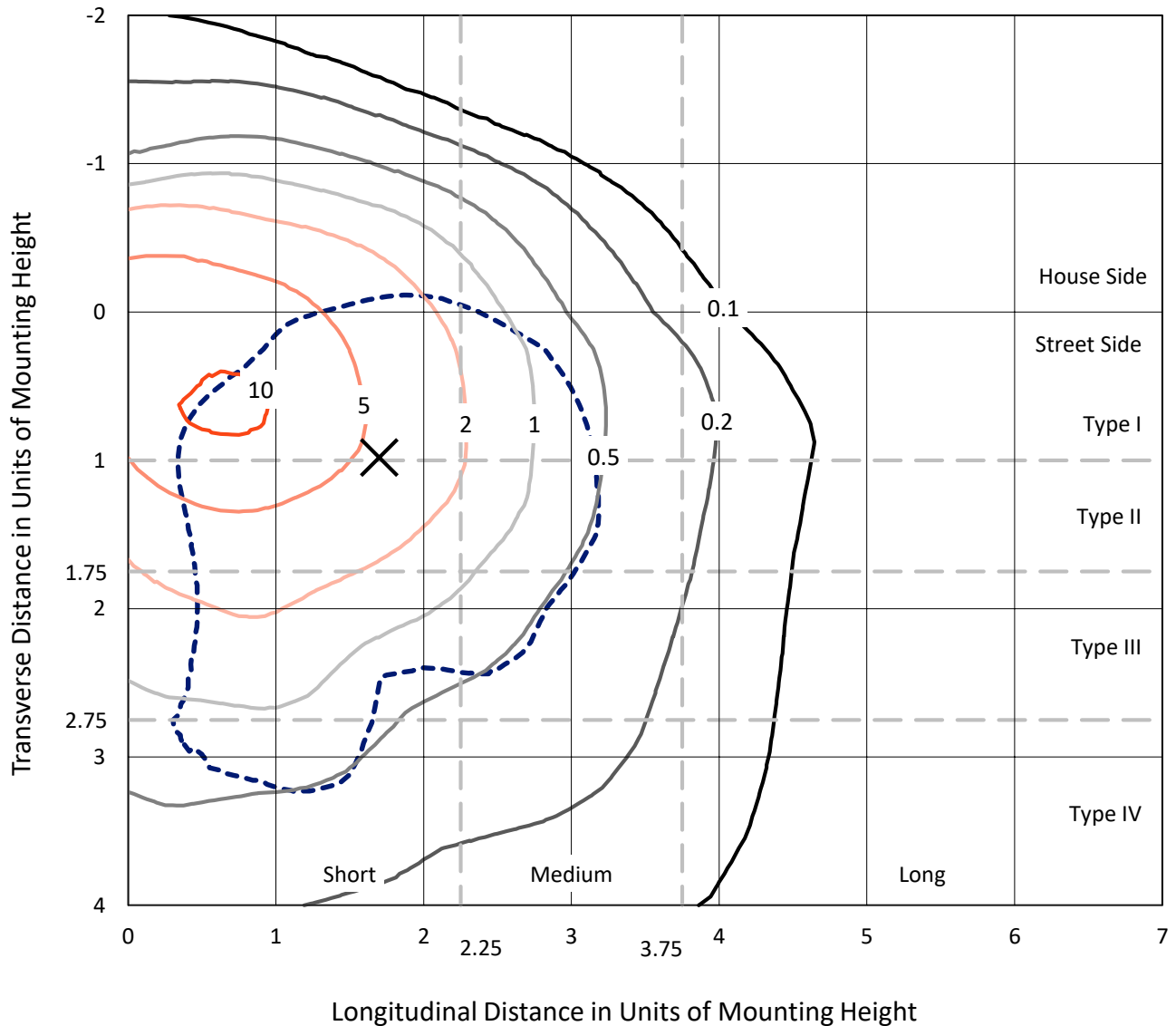
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

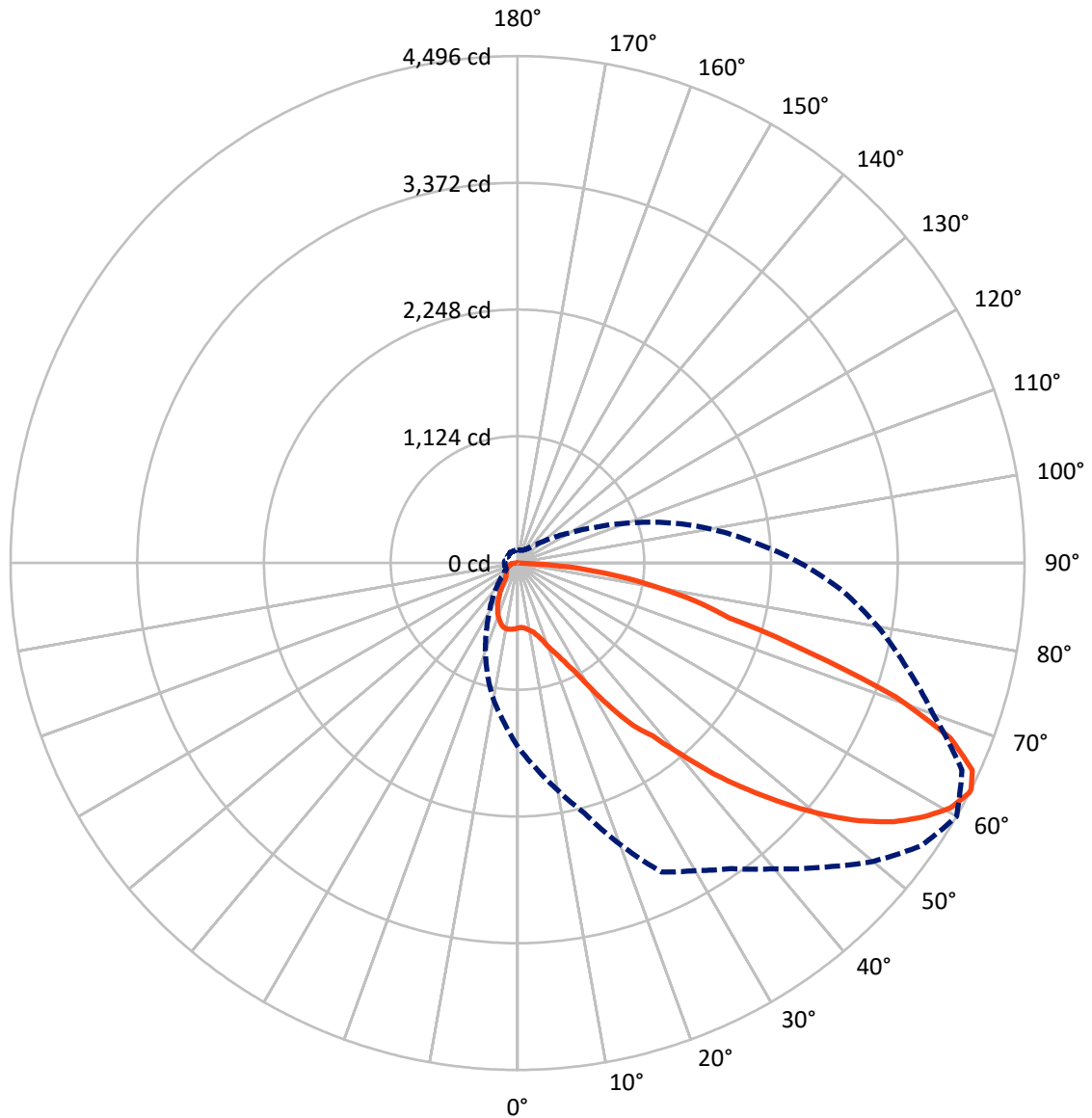
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.2	0.0	996.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3597.8	0.0	3597.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	4594.0	0.0	4594.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.2
10°-20°	175.0	3.8
20°-30°	310.9	6.8
30°-40°	489.7	10.7
40°-50°	720.6	15.7
50°-60°	957.2	20.8
60°-70°	1054.4	23.0
70°-80°	661.5	14.4
80°-90°	168.5	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°	4594.0	100.0
0°-180°	4594.0	100.0



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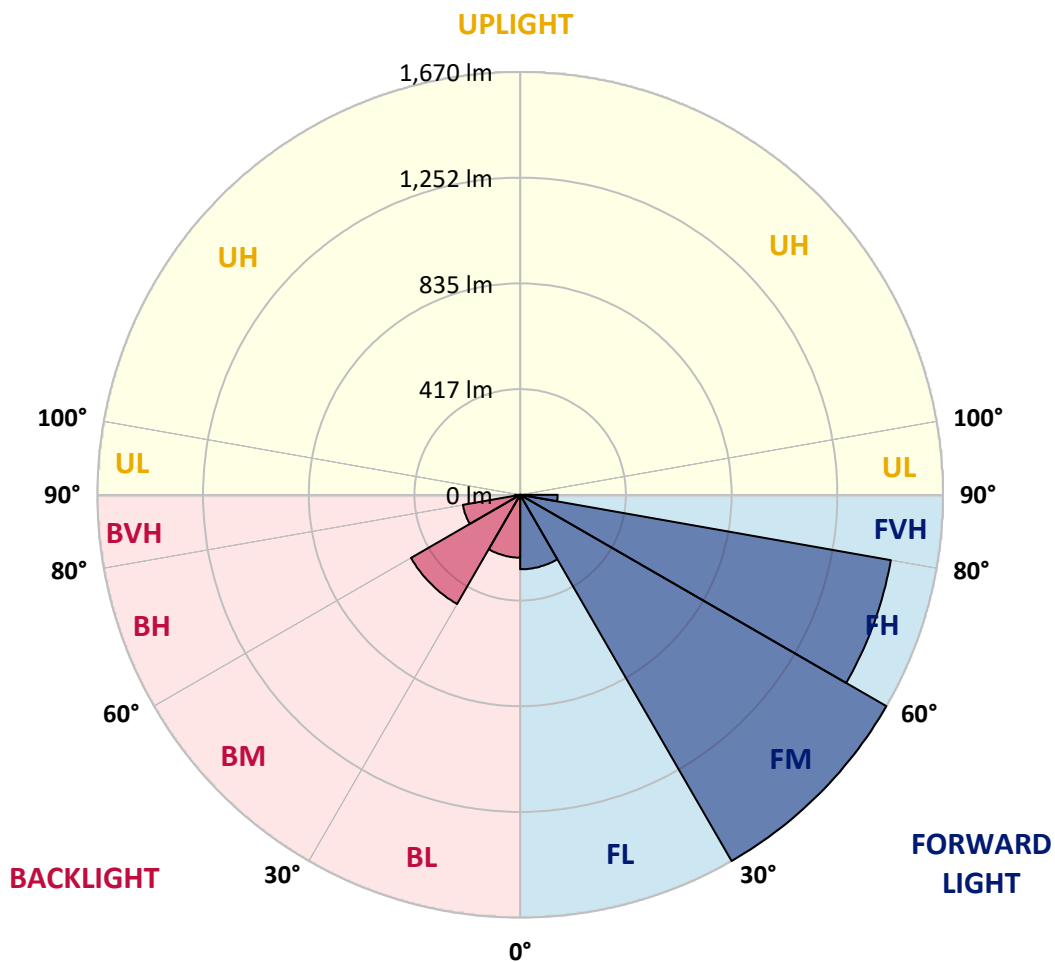
CATALOG NUMBER: VXS-F02-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.2	6.4			
FM	(30°-60°)	1669.6	36.3			
FH	(60°-80°)	1486.2	32.4			G1/1800
FVH	(80°-90°)	147.8	3.2			G2/225
BL	(0°-30°)	248.0	5.4	B1/500		
BM	(30°-60°)	497.9	10.8	B1/1000		
BH	(60°-80°)	229.6	5.0	B1/500		G1/500
BVH	(80°-90°)	20.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	569.6	570.7	570.7	570.2	570.2	571.3	570.7	570.2	568.5	570.7	570.7
5°	565.2	566.3	566.3	567.5	568.5	569.6	569.6	570.7	570.2	572.3	574.0
7.5°	570.7	571.8	574.0	576.8	578.4	582.3	582.3	585.0	586.1	587.8	587.3
10°	577.8	580.6	585.6	589.9	593.3	597.7	600.9	604.9	604.9	606.5	607.6
12.5°	590.6	593.3	598.8	604.2	609.2	614.7	619.7	623.5	627.4	628.5	630.7
15°	611.4	614.7	623.0	630.7	636.8	643.9	650.5	658.2	665.4	667.0	668.1
17.5°	642.8	649.4	655.4	669.2	678.0	687.4	697.8	708.8	711.1	722.6	725.4
20°	687.4	695.6	701.1	718.2	733.1	745.2	760.6	773.3	778.2	789.2	800.2
22.5°	764.5	762.8	771.1	788.1	799.1	823.3	836.6	849.7	856.4	872.8	881.7
25°	867.9	876.7	894.8	896.5	906.9	935.0	952.1	965.3	965.9	970.8	980.2
27.5°	969.7	1006.0	1034.6	1050.1	1078.1	1104.0	1102.9	1121.7	1092.4	1098.5	1107.3
30°	1093.0	1153.6	1207.5	1243.8	1272.4	1302.7	1317.5	1328.0	1315.3	1309.8	1299.4
32.5°	1208.6	1293.4	1376.5	1440.8	1494.2	1544.2	1577.3	1592.1	1609.7	1654.3	1670.4
35°	1287.8	1407.8	1511.3	1604.2	1693.5	1773.3	1831.0	1864.0	1851.4	1845.3	1842.1
37.5°	1335.1	1481.6	1610.9	1742.4	1844.8	1964.2	2053.9	2140.8	2160.7	2126.0	2108.9
40°	1364.9	1538.2	1704.5	1859.6	1992.2	2146.3	2257.5	2388.0	2487.0	2500.2	2459.5
42.5°	1379.2	1576.2	1769.9	1945.5	2124.9	2313.7	2454.6	2612.5	2760.5	2862.4	2837.1
45°	1381.3	1600.9	1817.8	2023.1	2236.6	2460.6	2642.3	2817.2	3015.3	3189.8	3194.8
47.5°	1381.3	1619.7	1850.8	2079.2	2336.8	2588.3	2786.4	2993.4	3236.1	3442.5	3505.7
50°	1382.5	1632.3	1881.7	2123.2	2413.3	2696.2	2920.2	3164.6	3419.9	3644.5	3766.6
52.5°	1387.5	1641.7	1905.9	2154.6	2462.8	2772.1	3024.1	3305.9	3560.2	3790.8	3948.8
55°	1398.4	1654.9	1923.5	2173.9	2495.9	2821.7	3099.6	3402.8	3651.0	3884.9	4105.6
57.5°	1429.2	1678.0	1945.0	2191.0	2514.0	2854.1	3152.4	3444.7	3685.7	3929.5	4188.7
60°	1490.9	1727.0	1981.8	2225.1	2544.2	2914.1	3177.7	3416.6	3660.4	3916.3	4207.5
62.5°	1589.4	1803.5	2033.0	2282.9	2630.7	3007.2	3158.4	3333.0	3560.7	3839.8	4140.8
63°	1623.5	1820.0	2044.6	2295.5	2654.3	3024.1	3150.2	3308.2	3540.4	3815.5	4117.2
65°	1718.8	1893.2	2099.6	2359.4	2751.7	3041.2	3085.8	3179.4	3399.5	3677.4	3977.4
67.5°	1896.5	2071.0	2217.9	2467.3	2833.8	2974.1	2886.0	2897.6	3127.7	3415.4	3685.2
70°	2008.8	2216.8	2293.3	2480.9	2818.9	2874.5	2627.4	2474.4	2658.8	2986.7	3222.8
72.5°	1979.6	2218.4	2210.2	2297.7	2521.7	2573.5	2317.5	2076.5	2186.0	2430.9	2583.9
75°	1695.6	1981.2	1920.7	1903.1	1981.8	2016.0	1823.8	1786.9	1925.1	2061.0	2063.2
77.5°	1220.7	1534.9	1463.9	1362.1	1356.6	1435.3	1461.1	1702.8	1906.9	2014.3	1966.9
80°	777.6	1118.3	1044.6	866.8	864.0	966.4	1193.7	1522.3	1738.5	1798.5	1675.2
82.5°	406.1	731.9	760.0	650.5	744.7	914.1	1136.0	1226.7	1308.7	1317.0	1171.7
85°	253.2	450.2	529.4	546.5	672.5	810.7	809.0	777.1	740.7	634.0	573.5
87.5°	28.6	56.7	85.8	81.5	109.5	153.6	191.5	112.2	78.7	28.6	39.6
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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	571.8	572.3	573.0	573.0	575.6	575.1	575.6	576.8	578.4	579.5	580.6
5°	576.2	576.2	578.4	580.1	583.4	585.6	586.6	589.9	593.8	592.7	596.1
7.5°	590.6	589.9	592.2	593.3	596.1	599.9	599.4	602.1	605.4	606.5	609.2
10°	609.7	608.2	608.2	607.0	607.6	606.5	606.5	606.5	608.7	608.2	610.4
12.5°	629.6	629.0	628.0	624.7	624.7	620.2	618.0	615.3	614.7	610.9	611.4
15°	670.4	670.4	668.1	661.6	656.1	652.1	646.6	642.8	637.3	630.2	626.3
17.5°	729.7	722.1	719.3	718.2	709.4	706.1	694.0	681.3	675.2	665.4	659.9
20°	802.4	800.7	789.7	784.2	773.3	757.8	742.4	725.9	716.0	703.9	697.3
22.5°	884.5	872.3	866.8	858.5	841.5	823.8	800.7	778.8	763.3	755.1	750.2
25°	980.2	968.1	962.6	951.6	930.7	911.9	883.3	857.4	843.7	829.9	822.2
27.5°	1107.3	1095.8	1089.1	1060.5	1053.4	1022.6	987.4	952.1	934.0	913.6	900.4
30°	1297.2	1297.7	1263.6	1228.9	1193.2	1139.8	1102.9	1063.3	1033.6	1004.4	975.2
32.5°	1618.0	1536.1	1472.7	1398.4	1320.8	1264.1	1218.4	1171.2	1129.8	1087.5	1039.1
35°	1814.0	1774.3	1692.3	1556.4	1478.2	1409.4	1358.9	1301.6	1251.0	1176.1	1102.4
37.5°	2035.2	1943.3	1843.6	1768.3	1679.7	1599.9	1515.1	1450.2	1362.7	1262.0	1157.4
40°	2358.2	2226.7	2106.7	2005.5	1891.0	1807.4	1712.6	1618.5	1502.5	1356.6	1213.0
42.5°	2695.6	2559.7	2401.1	2269.6	2134.8	2036.9	1919.6	1787.6	1616.9	1436.4	1260.8
45°	3049.5	2867.9	2678.0	2517.3	2377.0	2255.3	2110.1	1935.0	1727.0	1508.0	1305.4
47.5°	3398.4	3189.8	2963.6	2790.8	2608.1	2459.5	2281.2	2060.0	1812.8	1575.6	1350.1
50°	3706.0	3505.2	3232.7	3013.2	2828.3	2645.0	2422.6	2156.3	1880.5	1634.0	1390.2
52.5°	3971.3	3798.5	3511.8	3234.4	3021.5	2815.5	2536.6	2233.9	1948.8	1687.9	1423.2
55°	4166.1	4051.1	3786.9	3443.0	3191.5	2946.0	2632.8	2308.7	2013.2	1730.9	1444.7
57.5°	4313.1	4249.2	4022.5	3639.5	3347.8	3072.6	2732.5	2398.4	2077.0	1767.8	1454.6
60°	4393.5	4411.1	4200.8	3811.2	3485.9	3178.2	2832.1	2474.9	2124.4	1789.2	1449.1
62.5°	4385.7	4493.6	4334.5	3916.9	3566.2	3241.0	2899.3	2510.7	2117.7	1755.0	1399.0
63°	4370.9	4496.4	4349.4	3924.0	3571.2	3243.2	2900.9	2505.7	2103.9	1738.5	1379.2
65°	4242.7	4433.1	4336.8	3891.5	3527.2	3202.0	2866.2	2434.2	2007.2	1649.9	1277.4
67.5°	3899.3	4137.5	4110.1	3662.1	3318.7	3031.3	2689.0	2203.6	1767.8	1432.0	1082.5
70°	3331.8	3555.9	3560.7	3184.9	2898.1	2616.4	2331.8	1793.1	1401.1	1110.1	807.4
72.5°	2553.6	2697.8	2747.9	2500.2	2308.2	2110.1	1854.7	1301.6	998.9	755.1	525.6
75°	1977.4	1937.8	1937.2	1832.6	1754.5	1657.6	1377.0	878.3	656.1	490.9	321.5
77.5°	1777.6	1601.6	1430.9	1305.4	1242.7	1210.3	903.1	529.4	386.9	282.3	184.9
80°	1466.1	1206.3	974.7	839.3	785.4	822.8	503.5	286.2	211.9	160.7	120.0
82.5°	1011.0	839.3	637.8	528.3	453.5	474.4	257.5	146.4	97.9	89.7	74.3
85°	526.7	461.8	389.6	334.6	295.5	259.8	133.8	69.8	40.7	35.8	32.4
87.5°	0.0	0.5	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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	582.3	581.8	582.8	583.4	585.0	586.1	586.6	585.6	587.3	588.9	587.8
5°	597.7	601.6	602.1	603.7	603.7	607.0	607.0	607.0	606.5	607.0	605.9
7.5°	610.9	615.9	616.4	618.5	619.2	623.0	621.3	622.5	622.5	619.7	618.5
10°	612.5	617.5	620.2	623.0	626.8	631.8	631.8	634.5	634.5	632.3	631.8
12.5°	613.1	616.9	619.7	623.5	629.0	636.2	640.1	643.9	645.6	645.0	643.3
15°	624.7	624.7	625.2	628.5	632.3	641.1	646.6	651.1	653.8	652.7	649.9
17.5°	654.9	650.5	647.3	641.7	642.8	647.3	650.5	654.4	654.9	653.8	649.4
20°	690.2	684.7	676.4	667.6	663.2	659.9	657.6	657.6	656.1	650.5	643.3
22.5°	740.2	733.1	721.6	708.3	699.5	689.0	676.4	664.2	651.1	637.8	622.5
25°	809.5	799.7	787.6	767.2	748.5	726.4	700.6	673.7	642.3	614.7	592.2
27.5°	879.5	857.4	826.1	798.0	763.3	730.4	693.5	660.4	620.2	587.3	562.5
30°	937.2	895.4	850.3	805.7	760.0	715.4	671.4	631.8	587.8	554.2	529.9
32.5°	981.9	924.0	861.3	803.0	746.8	692.3	641.7	597.7	553.1	518.4	492.5
35°	1023.1	942.8	862.9	790.9	721.6	664.9	607.6	559.7	512.3	476.1	448.0
37.5°	1053.9	951.6	853.1	768.3	688.5	625.2	566.8	517.9	469.4	429.8	397.9
40°	1073.8	946.0	831.6	735.9	649.4	582.8	523.4	472.7	426.0	382.5	343.9
42.5°	1089.7	938.9	810.2	706.1	618.5	545.9	484.9	430.4	383.0	335.8	293.4
45°	1113.4	944.4	800.7	685.2	591.1	514.6	447.5	390.8	341.2	295.0	254.3
47.5°	1136.5	947.2	787.0	659.3	556.4	482.1	413.9	358.9	308.2	265.8	228.4
50°	1157.4	945.5	765.5	626.3	522.8	449.6	383.6	328.6	278.4	239.4	204.1
52.5°	1167.3	936.2	739.2	594.4	495.9	421.0	353.9	300.5	251.0	214.1	181.7
55°	1166.2	911.9	704.5	564.1	466.1	390.8	324.7	271.9	227.3	193.2	165.1
57.5°	1149.6	874.5	667.6	530.6	427.0	353.4	290.6	239.4	202.0	173.4	149.7
60°	1115.0	826.6	619.2	481.6	378.1	307.0	248.2	204.1	173.9	151.9	136.5
62.5°	1050.1	757.8	558.7	413.3	312.0	247.2	196.0	167.4	144.8	131.5	124.4
63°	1030.8	739.2	532.7	396.8	296.7	233.4	184.9	155.2	138.7	127.2	120.5
65°	935.0	647.3	445.8	320.3	230.6	180.0	148.6	126.0	116.2	111.2	110.6
67.5°	757.3	509.1	315.3	219.6	156.9	129.8	113.9	104.6	100.2	99.1	100.2
70°	531.6	321.5	200.3	145.8	116.2	104.6	97.4	93.6	90.8	91.4	92.4
72.5°	339.1	192.6	137.6	110.6	97.9	91.9	88.6	87.5	86.9	86.4	86.4
75°	193.2	128.2	105.7	95.8	89.1	84.2	81.5	80.3	80.9	81.5	80.3
77.5°	127.7	105.7	94.1	87.5	81.5	76.0	74.3	73.8	74.8	76.0	76.0
80°	100.7	94.1	87.5	80.9	71.0	67.2	68.3	68.8	68.3	68.8	67.2
82.5°	71.0	69.8	71.5	68.8	58.9	55.5	54.5	55.0	53.9	53.9	52.8
85°	33.1	33.1	34.7	34.7	33.6	34.1	36.9	40.2	41.9	40.2	37.9
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	9.9	14.3	15.4	19.3	18.8
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-F02-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	586.1	587.3	586.6	586.1	587.3	586.1	586.6	586.1	586.1	585.6	585.6
5°	604.9	606.5	603.2	602.6	601.6	598.8	598.8	597.7	597.7	595.4	593.8
7.5°	616.9	617.5	614.7	614.2	611.4	608.7	606.5	604.2	603.7	602.1	598.8
10°	628.5	627.4	625.2	622.5	619.7	615.9	613.1	610.4	609.7	607.0	603.2
12.5°	638.4	637.8	633.5	630.7	626.3	622.5	619.2	615.9	614.2	610.9	605.4
15°	645.0	641.7	636.2	631.3	626.3	621.9	618.0	614.2	612.5	608.7	603.2
17.5°	642.3	636.2	629.0	623.0	616.4	610.9	607.6	603.7	600.9	598.8	591.1
20°	632.3	623.5	612.5	605.4	596.6	589.4	587.3	583.4	581.1	573.0	563.0
22.5°	606.5	593.8	580.1	569.6	559.7	552.5	547.0	543.2	537.7	532.7	517.3
25°	574.0	559.7	545.4	532.7	519.5	508.5	498.7	489.2	486.5	476.1	461.2
27.5°	542.7	526.7	512.3	497.5	480.4	466.7	449.6	436.5	427.7	416.6	402.9
30°	509.1	493.2	473.9	454.0	434.2	419.4	400.1	384.1	373.2	361.6	348.9
32.5°	466.7	447.5	424.4	402.3	384.1	366.5	347.3	331.8	320.8	310.4	298.2
35°	418.2	393.0	368.2	343.9	324.7	309.8	292.7	281.2	273.6	264.1	251.5
37.5°	362.7	334.1	307.7	288.9	271.9	257.5	245.5	238.3	230.1	225.1	217.4
40°	306.5	278.4	252.6	235.5	221.2	213.0	206.4	204.8	199.3	192.6	187.7
42.5°	257.0	230.1	204.8	191.0	181.7	179.4	176.1	176.1	173.4	168.4	165.1
45°	223.4	195.3	173.4	163.4	158.5	157.9	156.3	156.3	155.8	153.6	149.7
47.5°	199.3	173.9	156.9	150.8	149.7	148.6	146.9	146.4	145.8	144.1	142.0
50°	177.2	155.8	144.8	142.0	142.6	140.9	139.3	137.6	137.0	135.3	133.2
52.5°	156.9	141.5	134.3	132.6	132.6	132.6	131.5	131.5	130.5	129.8	127.7
55°	145.3	133.8	129.8	129.3	128.8	128.2	127.2	127.2	126.0	125.5	122.7
57.5°	135.3	128.2	126.0	125.0	124.4	123.3	122.7	122.7	122.7	122.7	119.4
60°	127.7	124.4	123.8	122.7	122.2	120.0	118.9	118.3	118.9	119.4	116.2
62.5°	119.4	118.9	118.3	117.2	116.7	114.5	112.8	111.7	112.8	113.9	113.4
63°	117.2	116.7	116.7	116.2	115.5	112.8	111.2	110.1	111.2	112.2	112.2
65°	109.5	110.1	110.1	109.5	109.0	107.4	105.1	104.0	104.6	106.2	106.7
67.5°	101.2	101.9	101.2	101.9	101.2	100.2	98.5	97.4	96.9	97.4	97.9
70°	93.6	94.6	94.1	93.6	93.1	93.1	91.9	90.3	89.7	89.1	89.1
72.5°	86.9	86.9	85.8	85.8	85.3	85.3	84.2	82.6	82.0	82.0	80.9
75°	79.8	79.8	78.1	78.1	77.1	77.6	76.5	74.8	74.3	74.3	73.8
77.5°	75.4	73.8	71.0	70.5	69.8	69.8	69.3	67.7	67.2	67.2	66.6
80°	66.6	63.3	60.5	60.0	60.5	61.7	61.7	60.5	60.5	60.5	60.5
82.5°	51.7	50.7	49.0	47.9	47.9	49.5	51.7	52.8	53.9	55.0	55.0
85°	37.9	38.5	37.9	36.4	35.8	37.4	39.6	41.9	42.4	44.6	44.0
87.5°	20.4	20.9	19.3	18.8	20.4	21.5	23.6	24.2	25.3	25.9	26.4
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	585.0	584.5	585.0	583.9	583.9	582.8	581.8	581.1	580.1	579.5	578.4
5°	594.9	593.3	591.6	591.1	588.9	586.6	585.0	582.3	580.1	576.2	575.1
7.5°	601.6	597.7	595.4	594.9	591.6	589.9	586.1	582.8	579.5	574.6	573.0
10°	604.2	600.4	596.6	594.9	591.1	588.3	584.5	579.5	576.8	571.8	570.7
12.5°	607.6	600.4	594.4	589.9	584.5	578.4	574.6	571.8	568.0	565.2	564.1
15°	601.6	592.2	582.8	574.6	565.8	559.2	555.3	550.9	546.5	544.9	544.9
17.5°	585.0	573.0	557.0	546.5	537.1	529.9	525.1	520.6	520.1	517.9	519.0
20°	550.9	534.9	519.5	511.8	506.3	502.0	497.0	494.7	493.2	489.8	488.7
22.5°	503.5	490.4	479.4	473.9	469.4	463.9	459.6	453.0	451.3	448.0	446.3
25°	451.3	440.8	431.5	427.7	424.9	417.2	414.4	405.6	399.6	395.8	397.9
27.5°	399.0	391.3	382.5	377.5	375.9	368.7	366.0	356.1	351.1	351.1	345.6
30°	345.1	337.9	332.4	326.9	325.8	317.0	309.8	306.0	300.5	298.2	294.4
32.5°	294.4	287.3	282.9	280.1	275.8	268.6	261.5	254.8	246.0	242.7	241.0
35°	247.7	242.2	236.7	234.4	228.4	220.7	211.9	206.4	196.0	192.0	190.5
37.5°	211.9	205.3	201.5	195.3	189.3	181.0	174.5	169.5	165.7	164.0	164.0
40°	183.3	178.3	173.9	168.9	164.0	159.6	156.3	155.2	154.6	154.6	155.8
42.5°	161.8	157.4	155.2	152.4	150.8	150.8	150.3	150.8	151.3	151.9	153.6
45°	147.5	144.8	143.6	143.1	144.1	145.3	145.8	146.9	149.1	150.3	150.8
47.5°	139.8	137.6	137.0	137.6	139.3	141.5	143.6	145.3	146.9	147.5	148.1
50°	132.1	129.3	128.2	129.3	131.5	134.8	136.5	139.3	140.3	141.5	140.3
52.5°	125.5	123.3	122.7	122.7	125.0	127.2	129.3	131.5	132.1	132.1	131.5
55°	120.0	118.3	116.7	117.8	119.4	121.7	125.0	126.6	127.7	128.2	128.2
57.5°	115.5	113.9	112.2	113.4	115.0	117.2	120.5	122.2	123.3	125.0	125.5
60°	112.2	110.1	108.4	110.1	111.7	115.0	117.8	119.4	122.2	122.7	122.7
62.5°	109.0	106.7	104.0	105.7	105.7	107.4	110.1	112.2	115.0	116.2	116.2
63°	108.4	106.2	103.4	104.6	104.6	105.7	107.9	110.1	113.4	114.5	113.9
65°	104.0	103.4	100.7	100.7	99.6	100.7	102.4	104.6	106.2	107.9	107.9
67.5°	96.9	96.3	95.8	95.8	95.8	96.9	97.9	99.6	101.2	102.4	101.9
70°	88.6	88.6	88.6	89.1	89.1	90.3	90.8	90.3	91.9	93.1	92.4
72.5°	81.5	80.9	80.3	81.5	80.9	80.9	82.0	81.5	83.1	83.1	83.6
75°	73.8	73.2	73.2	73.8	72.6	71.5	72.1	72.1	72.6	72.6	73.8
77.5°	67.2	67.2	67.2	66.6	65.5	65.0	64.4	64.4	64.4	64.4	65.0
80°	61.1	61.1	61.1	60.5	59.5	58.3	57.2	56.7	56.2	53.4	53.4
82.5°	55.0	55.0	55.0	55.0	54.5	53.4	51.7	47.4	45.1	42.9	43.5
85°	43.5	44.6	45.7	47.4	46.7	46.7	43.5	37.9	34.7	32.4	33.1
87.5°	28.1	24.8	24.8	24.2	23.1	22.0	22.0	18.8	15.4	13.8	14.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	0°
2.5°	578.4	577.3	576.2	576.2	574.6	574.6	573.5	575.6	573.5	571.8	571.8	2.5°
5°	574.0	573.0	569.6	569.0	566.8	566.8	566.8	565.8	565.8	564.7	564.1	5°
7.5°	571.3	568.5	565.8	564.1	564.1	563.0	565.2	564.1	564.7	564.7	565.2	7.5°
10°	569.0	566.8	565.8	565.2	565.2	566.8	568.5	569.0	568.5	569.0	569.0	10°
12.5°	563.5	564.7	565.2	567.5	570.2	573.5	577.3	577.8	579.0	579.0	580.1	12.5°
15°	545.9	548.7	552.0	557.5	564.7	571.8	579.0	585.0	590.6	593.3	595.4	15°
17.5°	521.1	523.9	529.9	536.1	545.4	555.9	568.0	578.4	589.9	600.4	610.9	17.5°
20°	487.6	492.0	493.7	504.7	515.6	529.9	544.2	560.8	580.6	600.4	620.8	20°
22.5°	444.1	449.1	456.8	465.6	477.2	494.7	511.8	537.7	564.1	592.2	624.1	22.5°
25°	395.8	401.2	407.8	417.2	428.7	447.5	472.2	499.7	532.2	569.0	608.7	25°
27.5°	345.6	351.1	356.6	363.2	376.5	396.3	425.4	454.0	489.8	529.9	576.2	27.5°
30°	295.5	296.1	299.4	307.7	321.5	347.3	368.7	404.5	442.0	484.4	537.7	30°
32.5°	240.5	240.0	243.8	251.0	264.1	288.9	315.3	350.1	386.9	440.3	495.3	32.5°
35°	191.5	191.5	198.7	205.8	220.7	238.3	261.5	292.2	335.8	385.3	440.3	35°
37.5°	165.7	169.5	173.9	181.0	192.6	206.4	226.7	253.7	287.9	335.1	385.8	37.5°
40°	157.4	159.6	163.4	170.1	180.0	192.6	207.5	227.9	254.3	292.2	338.4	40°
42.5°	154.1	154.6	156.9	161.8	170.6	183.3	198.7	216.8	236.7	263.6	303.8	42.5°
45°	150.8	150.3	151.3	155.2	162.4	176.7	194.3	214.1	233.9	256.5	289.5	45°
47.5°	148.1	148.1	148.1	149.7	156.3	170.6	191.0	214.1	237.7	263.1	295.5	47.5°
50°	140.3	139.8	139.8	140.9	145.8	161.2	185.5	213.6	244.4	277.4	314.3	50°
52.5°	131.5	131.5	132.1	132.6	137.0	152.4	179.4	213.6	252.0	296.1	342.3	52.5°
55°	128.8	129.3	129.8	129.3	132.6	145.8	172.8	210.3	255.3	311.0	372.5	55°
57.5°	126.6	127.7	127.7	127.2	129.3	140.3	166.2	203.6	252.6	316.5	394.1	57.5°
60°	123.3	123.3	123.3	121.7	122.7	132.6	156.3	193.2	243.8	311.5	397.3	60°
62.5°	116.2	116.2	115.0	114.5	113.9	121.7	143.1	177.7	227.9	298.2	389.1	62.5°
63°	114.5	113.9	113.9	112.2	112.2	119.4	140.3	175.5	223.4	295.0	385.8	63°
65°	108.4	108.4	108.4	107.4	106.7	112.2	129.3	160.1	206.4	279.6	369.3	65°
67.5°	101.9	102.4	101.2	100.7	100.2	103.4	116.7	140.9	180.0	247.2	338.4	67.5°
70°	92.4	93.1	93.1	92.4	91.9	94.1	102.4	121.0	149.1	205.8	288.4	70°
72.5°	84.2	85.3	85.3	86.4	86.4	88.1	91.4	100.7	119.4	160.7	226.7	72.5°
75°	75.4	76.0	77.1	78.1	77.1	76.5	77.1	84.2	93.6	118.9	161.8	75°
77.5°	67.7	69.3	69.3	68.8	67.2	66.0	66.0	69.3	77.1	90.3	115.5	77.5°
80°	56.2	58.9	59.5	57.8	56.2	56.2	57.2	59.5	64.4	74.3	87.5	80°
82.5°	45.1	47.9	48.4	49.0	48.4	50.1	50.1	50.7	53.4	61.1	71.5	82.5°
85°	34.7	36.9	38.5	39.1	39.6	40.2	39.6	36.9	38.5	43.5	48.4	85°
87.5°	15.4	16.0	14.8	15.4	14.8	15.4	16.0	13.2	12.6	17.1	17.6	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°
577.3	577.3	577.3	577.3	577.3	577.3	577.3
571.3	571.3	571.8	570.7	570.7	571.3	569.6
562.5	564.7	564.7	564.7	563.5	564.7	565.2
564.7	566.3	567.5	567.5	566.8	569.0	570.7
567.5	570.2	571.3	571.3	571.3	574.0	577.8
577.8	580.1	581.8	581.8	582.8	586.1	590.6
597.1	599.9	599.9	599.4	602.6	606.5	611.4
618.5	626.3	630.2	629.6	632.3	637.3	642.8
639.0	660.4	669.7	676.4	679.2	685.7	687.4
656.1	691.8	717.6	739.7	750.2	756.7	764.5
649.9	698.4	744.7	789.7	821.7	854.1	867.9
625.2	685.7	746.3	812.3	870.1	927.9	969.7
594.9	667.6	749.0	842.6	934.0	1022.6	1093.0
560.2	650.5	755.1	870.7	990.7	1106.7	1208.6
516.8	618.0	740.2	873.4	1014.8	1155.8	1287.8
461.8	574.0	705.6	853.6	1016.0	1177.2	1335.1
406.7	518.4	661.6	825.0	1001.7	1182.2	1364.9
368.2	468.9	616.9	788.6	978.5	1174.4	1379.2
341.8	433.2	577.3	755.6	953.8	1160.7	1381.3
339.6	417.7	551.4	731.4	934.0	1148.6	1381.3
358.2	426.0	542.7	719.3	925.7	1144.8	1382.5
393.5	459.0	558.7	728.7	932.3	1149.6	1387.5
435.9	509.1	601.6	761.1	960.3	1166.2	1398.4
474.4	566.8	674.7	823.8	1011.5	1208.0	1429.2
497.0	616.4	752.3	911.9	1099.1	1291.1	1490.9
499.7	643.9	821.1	1007.7	1205.3	1386.3	1589.4
497.5	646.1	829.9	1025.8	1227.9	1409.9	1623.5
485.4	646.6	854.7	1089.7	1306.0	1509.6	1718.8
454.6	629.0	863.5	1139.8	1404.5	1640.6	1896.5
401.2	579.0	837.6	1140.8	1442.5	1713.8	2008.8
322.5	483.7	725.9	1037.9	1342.3	1641.7	1979.6
236.1	355.5	548.7	804.0	1095.2	1366.5	1695.6
156.9	230.1	369.8	573.0	785.4	983.5	1220.7
107.9	142.6	216.3	344.6	480.4	576.8	777.6
79.3	94.1	120.0	176.1	231.2	284.6	406.1
49.5	53.9	60.0	86.9	124.4	167.9	253.2
13.2	13.8	12.6	17.1	26.9	25.9	28.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)