

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: P152194

Luminaire Tested: **VXS-F06-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152194
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-SL4-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13364.3 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
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



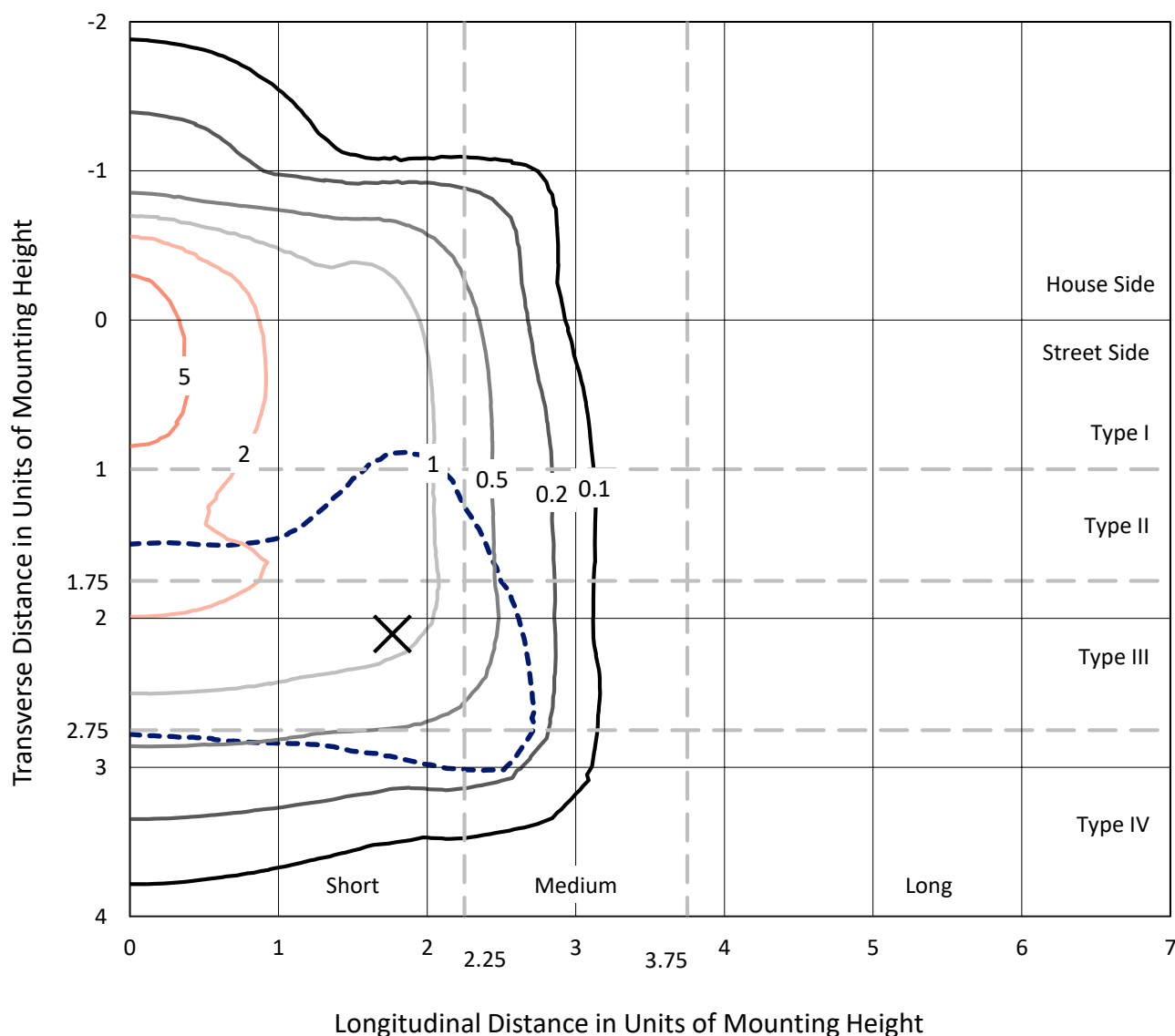
REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

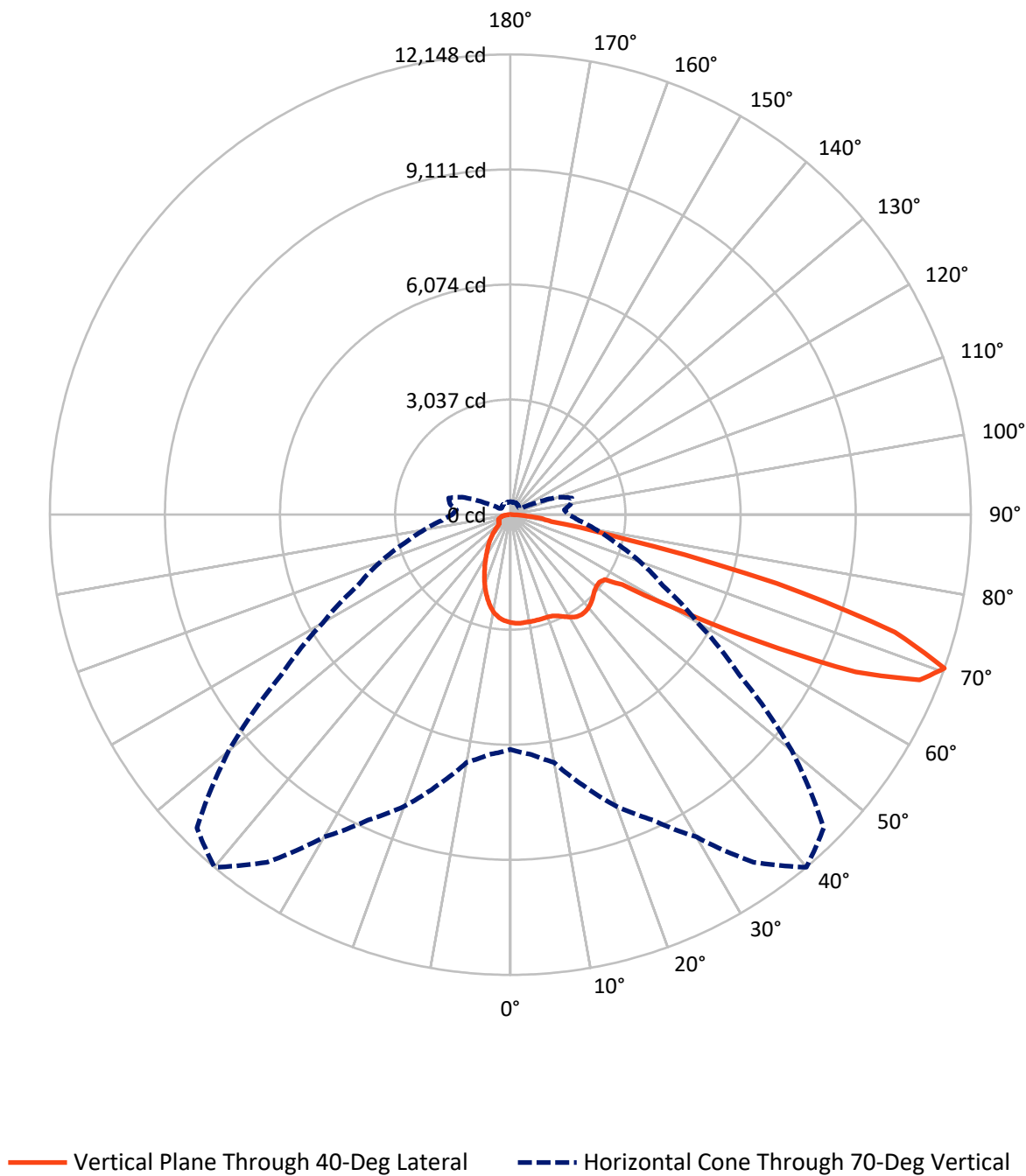


Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2774.3	0.0	2774.3
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	10590.0	0.0	10590.0
	% Fixture	79.2	0.0	79.2
Total	Lumens	13364.3	0.0	13364.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.4	2.0
10°-20°	729.3	5.5
20°-30°	1079.6	8.1
30°-40°	1364.3	10.2
40°-50°	1543.0	11.5
50°-60°	2195.7	16.4
60°-70°	4089.3	30.6
70°-80°	1874.2	14.0
80°-90°	222.5	1.7
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°	13364.3	100.0
0°-180°	13364.3	100.0

Coefficient of Utilization



REPORT NUMBER: P152194

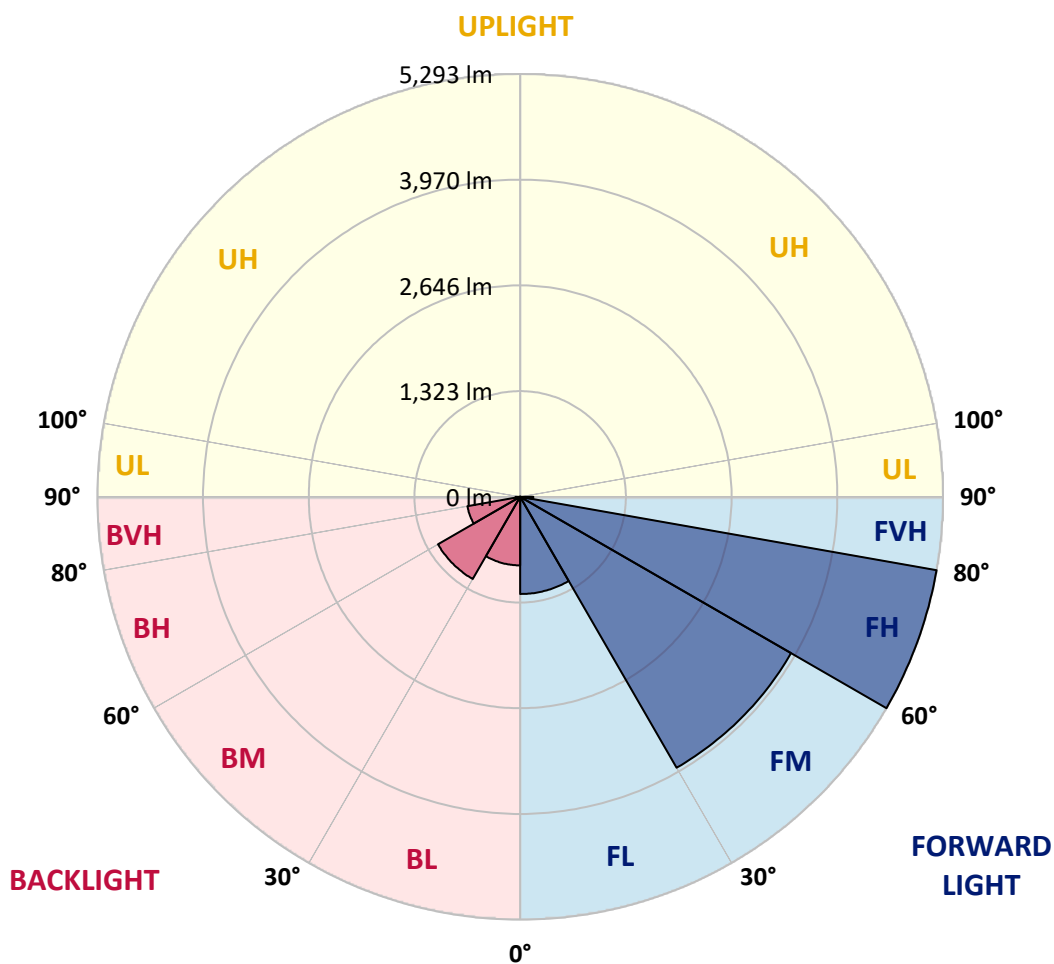
CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1216.9	9.1			
FM	(30°-60°)	3915.3	29.3			
FH	(60°-80°)	5292.8	39.6			G3/7500
FVH	(80°-90°)	165.0	1.2			G2/225
BL	(0°-30°)	858.4	6.4	B2/1000		
BM	(30°-60°)	1187.8	8.9	B2/2500		
BH	(60°-80°)	670.7	5.0	B2/1000		G2/1000
BVH	(80°-90°)	57.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6
2.5°	2895.3	2902.9	2893.8	2892.3	2892.3	2890.8	2881.8	2880.2	2868.2	2869.7	2872.7
5°	2916.5	2919.5	2913.5	2911.9	2908.9	2902.9	2895.3	2886.3	2877.2	2868.2	2860.6
7.5°	2937.5	2934.5	2930.1	2930.1	2925.5	2916.5	2901.3	2889.3	2869.7	2859.2	2845.6
10°	2967.7	2963.2	2957.2	2954.2	2946.6	2933.1	2911.9	2895.3	2871.2	2850.1	2827.5
12.5°	2996.4	2994.8	2985.8	2981.2	2969.2	2955.6	2930.1	2904.4	2872.7	2839.6	2809.4
15°	3047.7	3041.7	3032.5	3023.5	3003.9	2985.8	2946.6	2916.5	2871.2	2827.5	2780.7
17.5°	3136.6	3126.0	3117.0	3097.4	3073.3	3041.7	2984.4	2933.1	2871.2	2807.9	2755.1
20°	3299.5	3276.9	3264.8	3239.2	3196.9	3139.6	3050.7	2967.7	2875.8	2794.3	2723.4
22.5°	3483.4	3468.4	3451.8	3435.2	3368.8	3285.9	3165.3	3041.7	2902.9	2788.3	2697.8
25°	3690.1	3670.5	3661.3	3632.7	3570.9	3476.0	3311.5	3139.6	2964.7	2812.4	2697.8
27.5°	3874.0	3868.0	3866.5	3833.3	3774.5	3662.9	3468.4	3261.8	3049.1	2862.2	2720.4
30°	4041.5	4035.3	4032.3	4014.3	3946.4	3813.7	3602.6	3370.4	3141.1	2931.5	2762.6
32.5°	4219.4	4199.8	4190.7	4156.1	4079.1	3923.7	3682.5	3441.2	3213.5	2999.4	2809.4
35°	4364.1	4347.6	4329.4	4279.7	4171.1	3987.2	3717.2	3465.4	3242.2	3037.1	2833.5
37.5°	4469.6	4453.1	4427.5	4364.1	4229.9	4008.2	3715.6	3457.8	3231.6	3031.1	2838.0
40°	4516.4	4499.8	4472.6	4392.7	4240.4	3996.2	3687.0	3423.1	3200.0	2999.4	2819.9
42.5°	4498.3	4486.2	4451.6	4374.7	4207.3	3941.9	3629.7	3358.2	3139.6	2948.1	2779.2
45°	4428.9	4419.9	4386.7	4305.3	4131.9	3854.4	3545.3	3276.9	3067.3	2884.8	2725.0
47.5°	4324.9	4321.9	4288.7	4208.8	4036.9	3766.9	3457.8	3196.9	2994.8	2822.9	2679.7
50°	4210.3	4195.2	4178.7	4104.8	3947.9	3691.5	3394.5	3147.2	2954.2	2800.3	2660.1
52.5°	4137.9	4133.4	4118.3	4051.9	3901.1	3647.8	3365.8	3129.1	2951.1	2795.9	2649.5
55°	4780.3	4790.9	4652.1	4364.1	4110.8	3768.5	3451.8	3221.0	3025.0	2868.2	2761.1
57.5°	7071.0	7024.2	6785.9	6214.4	5569.0	4717.0	4103.2	3730.8	3488.0	3515.1	3569.4
60°	8238.1	8229.1	8185.4	7963.7	7533.9	6885.5	6166.1	5341.2	5078.9	5107.6	5128.7
62.5°	8759.9	8773.5	8806.6	8723.7	8610.6	8422.1	8063.2	7731.4	7380.1	7248.9	6897.5
65°	9001.1	9025.3	9100.7	9147.5	9191.2	9224.4	9366.1	9755.1	10011.5	9532.0	8416.1
67.5°	8502.1	8618.1	8866.9	9109.7	9326.9	9636.1	10115.5	11018.9	11647.7	11058.0	9440.0
70°	6197.8	6356.2	6641.1	7392.1	8194.4	8895.6	9824.6	11199.8	12148.4	11693.0	9693.4
72.5°	3886.1	3929.8	4056.5	4332.4	4928.1	5828.4	7452.4	9515.4	10610.2	10246.7	8192.8
75°	2465.6	2480.6	2476.2	2539.5	2640.5	2836.5	3479.0	5620.3	7268.5	6701.5	4566.2
77.5°	1468.8	1491.4	1500.4	1520.0	1568.3	1637.7	1690.5	1912.1	3047.7	2958.7	1657.3
80°	1230.5	1248.6	1233.6	1229.0	1198.9	1177.7	1203.4	1177.7	1093.3	1052.5	969.6
82.5°	651.4	649.9	645.4	689.1	778.1	847.5	900.3	888.2	803.7	684.7	580.6
85°	357.4	369.4	369.4	384.6	371.0	372.4	384.6	405.7	375.4	313.7	256.4
87.5°	30.2	46.7	37.7	46.7	63.3	45.3	43.7	43.7	37.7	27.2	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6
2.5°	2865.2	2862.2	2856.2	2851.6	2851.6	2844.0	2839.6	2836.5	2835.0	2829.0	2829.0
5°	2856.2	2845.6	2835.0	2827.5	2822.9	2815.4	2803.3	2797.3	2789.7	2783.7	2780.7
7.5°	2836.5	2816.9	2800.3	2788.3	2773.2	2761.1	2746.0	2732.4	2718.9	2712.8	2709.8
10°	2806.3	2780.7	2755.1	2732.4	2711.4	2690.3	2670.7	2651.1	2634.4	2622.4	2610.4
12.5°	2777.7	2738.5	2705.3	2672.1	2639.0	2613.4	2586.2	2557.5	2533.4	2510.8	2504.8
15°	2738.5	2693.3	2651.1	2610.4	2569.6	2527.4	2494.2	2462.6	2423.3	2397.7	2378.1
17.5°	2702.3	2648.0	2596.8	2548.5	2498.8	2455.0	2405.3	2363.0	2323.8	2284.6	2256.0
20°	2663.1	2604.2	2550.1	2495.8	2441.5	2385.6	2328.3	2274.1	2225.8	2179.1	2132.3
22.5°	2628.4	2568.1	2515.3	2456.5	2396.2	2332.8	2266.5	2198.7	2142.8	2082.5	2028.3
25°	2607.4	2540.9	2486.6	2429.3	2363.0	2293.7	2218.2	2138.3	2070.5	2001.1	1936.3
27.5°	2607.4	2521.3	2465.6	2408.3	2340.4	2266.5	2183.5	2096.1	2019.2	1942.3	1862.4
30°	2629.9	2524.4	2449.0	2388.6	2319.3	2239.4	2147.4	2055.3	1971.0	1880.4	1803.5
32.5°	2651.1	2530.4	2436.9	2360.0	2280.1	2201.7	2108.2	2010.2	1916.7	1830.7	1749.2
35°	2664.7	2530.4	2414.3	2316.3	2225.8	2148.9	2056.9	1958.9	1863.8	1779.4	1704.0
37.5°	2666.1	2518.3	2378.1	2266.5	2171.5	2091.6	2004.1	1912.1	1821.7	1743.2	1679.9
40°	2651.1	2494.2	2341.9	2213.7	2114.2	2032.7	1952.8	1869.9	1788.5	1723.6	1669.3
42.5°	2623.9	2468.6	2307.3	2171.5	2067.5	1983.0	1909.1	1838.2	1767.4	1711.6	1666.3
45°	2583.2	2433.9	2275.5	2145.9	2043.3	1954.3	1882.0	1823.1	1762.8	1716.1	1670.9
47.5°	2546.9	2421.9	2286.1	2162.5	2055.3	1963.4	1889.5	1839.8	1793.0	1761.3	1699.5
50°	2539.5	2415.8	2290.7	2176.1	2067.5	1974.0	1909.1	1883.5	1869.9	1850.3	1755.3
52.5°	2518.3	2414.3	2323.8	2260.5	2191.1	2147.4	2079.5	2103.6	2088.6	2019.2	1847.3
55°	2740.0	2770.2	2854.6	2975.2	3086.8	3112.4	3105.0	3076.3	2923.9	2515.3	2068.9
57.5°	3766.9	3937.3	4097.2	4168.1	4159.1	4079.1	4021.8	3905.7	3685.5	3187.9	2506.3
60°	5193.5	5220.6	5136.2	5011.1	4799.9	4623.5	4435.0	4217.8	3898.1	3411.1	2774.7
62.5°	6506.9	6142.1	5766.5	5413.7	5092.4	4812.0	4549.6	4246.5	3830.3	3322.1	2740.0
65°	7434.4	6662.3	6069.6	5563.0	5109.0	4717.0	4389.7	3996.2	3527.2	3068.7	2539.5
67.5°	7912.4	6728.6	5819.3	5113.6	4469.6	3926.8	3491.0	3108.0	2759.6	2559.1	2222.8
70°	7378.5	5710.8	4444.0	3646.3	2875.8	2305.7	1821.7	1529.1	1428.1	1618.0	1682.9
72.5°	5498.1	3717.2	2643.5	2044.9	1566.8	1248.6	957.6	752.4	612.2	642.4	833.9
75°	2599.8	1604.5	1134.0	862.6	686.1	568.5	464.5	425.3	355.9	295.5	277.5
77.5°	1011.8	737.4	609.2	446.3	316.7	254.8	217.1	209.6	214.1	208.1	205.1
80°	770.6	521.8	327.3	239.8	206.6	182.5	161.3	155.3	158.3	165.9	173.4
82.5°	429.7	268.4	199.1	173.4	155.3	132.7	120.6	111.6	113.1	122.2	138.8
85°	165.9	129.6	119.2	114.6	107.0	85.9	73.9	75.4	85.9	102.6	102.6
87.5°	18.1	18.1	24.1	18.1	18.1	18.1	16.6	19.6	21.1	27.2	31.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6	2851.6
2.5°	2826.0	2826.0	2826.0	2822.9	2824.5	2818.4	2818.4	2813.9	2821.5	2816.9	2815.4
5°	2782.3	2780.7	2774.7	2774.7	2774.7	2774.7	2779.2	2767.2	2776.2	2776.2	2771.7
7.5°	2708.4	2708.4	2691.7	2700.8	2697.8	2702.3	2708.4	2702.3	2711.4	2717.4	2712.8
10°	2605.8	2605.8	2592.2	2602.8	2598.2	2608.8	2619.4	2613.4	2619.4	2628.4	2631.4
12.5°	2492.7	2486.6	2474.6	2479.2	2479.2	2485.2	2489.6	2497.2	2504.8	2516.8	2522.9
15°	2361.6	2352.4	2337.4	2337.4	2328.3	2331.4	2340.4	2343.4	2358.4	2375.1	2394.7
17.5°	2227.3	2204.7	2188.1	2168.5	2153.4	2165.5	2176.1	2183.5	2195.6	2221.2	2234.8
20°	2100.6	2055.3	2023.7	1998.0	1981.5	1989.0	2002.6	2011.6	2022.2	2028.3	2032.7
22.5°	1975.4	1924.1	1880.4	1848.8	1821.7	1829.2	1823.1	1818.7	1826.2	1806.5	1805.1
25°	1866.8	1806.5	1747.8	1710.1	1676.9	1666.3	1634.6	1627.2	1606.0	1589.4	1577.3
27.5°	1788.5	1710.1	1645.2	1601.5	1548.7	1509.5	1468.8	1428.1	1405.5	1378.3	1364.8
30°	1726.6	1643.7	1566.8	1493.0	1423.5	1363.2	1308.9	1256.2	1220.0	1180.7	1155.1
32.5°	1669.3	1592.4	1499.0	1397.9	1304.5	1236.6	1165.7	1105.4	1048.1	996.8	959.1
35°	1630.2	1544.1	1425.1	1301.3	1195.9	1116.0	1040.5	954.5	885.2	818.9	778.1
37.5°	1609.0	1503.4	1357.2	1220.0	1102.4	1011.8	918.3	818.9	734.4	672.5	610.8
40°	1592.4	1462.8	1296.9	1147.6	1023.9	915.3	806.7	689.1	595.6	530.8	482.6
42.5°	1574.3	1417.5	1244.0	1090.3	953.1	826.4	695.2	570.1	481.0	435.9	414.7
45°	1554.7	1378.3	1194.3	1036.0	883.7	729.8	579.1	462.9	410.2	395.1	395.1
47.5°	1550.3	1352.6	1158.1	983.2	805.3	618.2	472.0	399.6	384.6	387.6	393.6
50°	1568.3	1345.1	1126.4	921.3	701.2	500.6	399.6	375.4	378.5	387.6	396.6
52.5°	1612.0	1351.2	1093.3	835.4	577.5	413.2	369.4	368.0	377.0	390.6	399.6
55°	1685.9	1351.2	1029.9	707.3	461.5	371.0	358.9	365.0	377.0	389.0	396.6
57.5°	1844.2	1337.6	918.3	565.5	386.0	355.9	355.9	363.4	374.0	386.0	392.1
60°	2032.7	1319.5	761.6	437.3	348.4	343.8	354.4	363.4	372.4	383.0	389.0
62.5°	2044.9	1272.7	603.2	361.9	328.7	336.3	352.8	365.0	368.0	375.4	383.0
65°	1879.0	1109.8	479.6	324.2	319.7	331.7	348.4	357.4	358.9	361.9	369.4
67.5°	1645.2	904.8	387.6	306.1	310.7	324.2	333.3	340.8	345.3	352.8	354.4
70°	1351.2	726.8	331.7	288.0	292.5	307.7	315.1	322.7	331.7	340.8	336.3
72.5°	957.6	565.5	291.1	268.4	274.4	288.0	297.1	303.1	310.7	319.7	313.7
75°	407.2	395.1	251.8	242.8	251.8	260.9	269.9	279.0	286.5	291.1	291.1
77.5°	208.1	232.2	217.1	217.1	223.2	232.2	239.8	248.8	253.4	257.8	263.9
80°	176.5	179.5	182.5	188.5	194.5	203.6	211.1	218.7	220.2	221.7	224.7
82.5°	146.3	152.3	155.3	164.4	168.9	171.9	176.5	176.5	179.5	179.5	174.9
85°	105.6	113.1	117.6	119.2	117.6	119.2	120.6	123.6	131.2	131.2	125.2
87.5°	30.2	28.6	36.2	37.7	40.7	46.7	52.7	63.3	66.3	69.3	69.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P152194

CATALOG NUMBER: VXS-F06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2851.6	2851.6	2851.6	2851.6
2.5°	2813.9	2816.9	2810.9	2812.4
5°	2771.7	2777.7	2770.2	2779.2
7.5°	2717.4	2726.4	2725.0	2723.4
10°	2639.0	2651.1	2651.1	2655.5
12.5°	2539.5	2546.9	2553.1	2556.1
15°	2405.3	2418.9	2426.3	2426.3
17.5°	2243.8	2253.0	2257.4	2251.4
20°	2038.8	2035.8	2037.3	2022.2
22.5°	1802.1	1806.5	1793.0	1796.1
25°	1569.8	1562.3	1568.3	1559.3
27.5°	1345.1	1346.6	1330.1	1337.6
30°	1131.0	1123.4	1102.4	1112.8
32.5°	924.4	904.8	882.2	868.6
35°	729.8	699.7	689.1	684.7
37.5°	573.1	539.9	529.3	517.2
40°	455.4	443.3	438.9	441.9
42.5°	408.7	408.7	411.7	413.2
45°	396.6	401.1	405.7	407.2
47.5°	398.1	402.6	408.7	410.2
50°	401.1	405.7	410.2	411.7
52.5°	402.6	402.6	405.7	407.2
55°	399.6	398.1	399.6	401.1
57.5°	393.6	390.6	392.1	396.6
60°	390.6	386.0	389.0	392.1
62.5°	383.0	381.6	384.6	386.0
65°	366.4	368.0	372.4	372.4
67.5°	351.4	352.8	354.4	355.9
70°	333.3	334.8	337.8	339.3
72.5°	312.1	318.1	322.7	328.7
75°	295.5	301.6	310.7	316.7
77.5°	266.9	271.4	282.0	289.5
80°	226.2	224.7	226.2	230.7
82.5°	173.4	173.4	171.9	170.4
85°	122.2	120.6	116.2	116.2
87.5°	66.3	64.9	63.3	60.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)