

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: P152189

Luminaire Tested: **VXS-E06-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152189
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-E06-LED-E1-SL4-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16188.9 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5
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



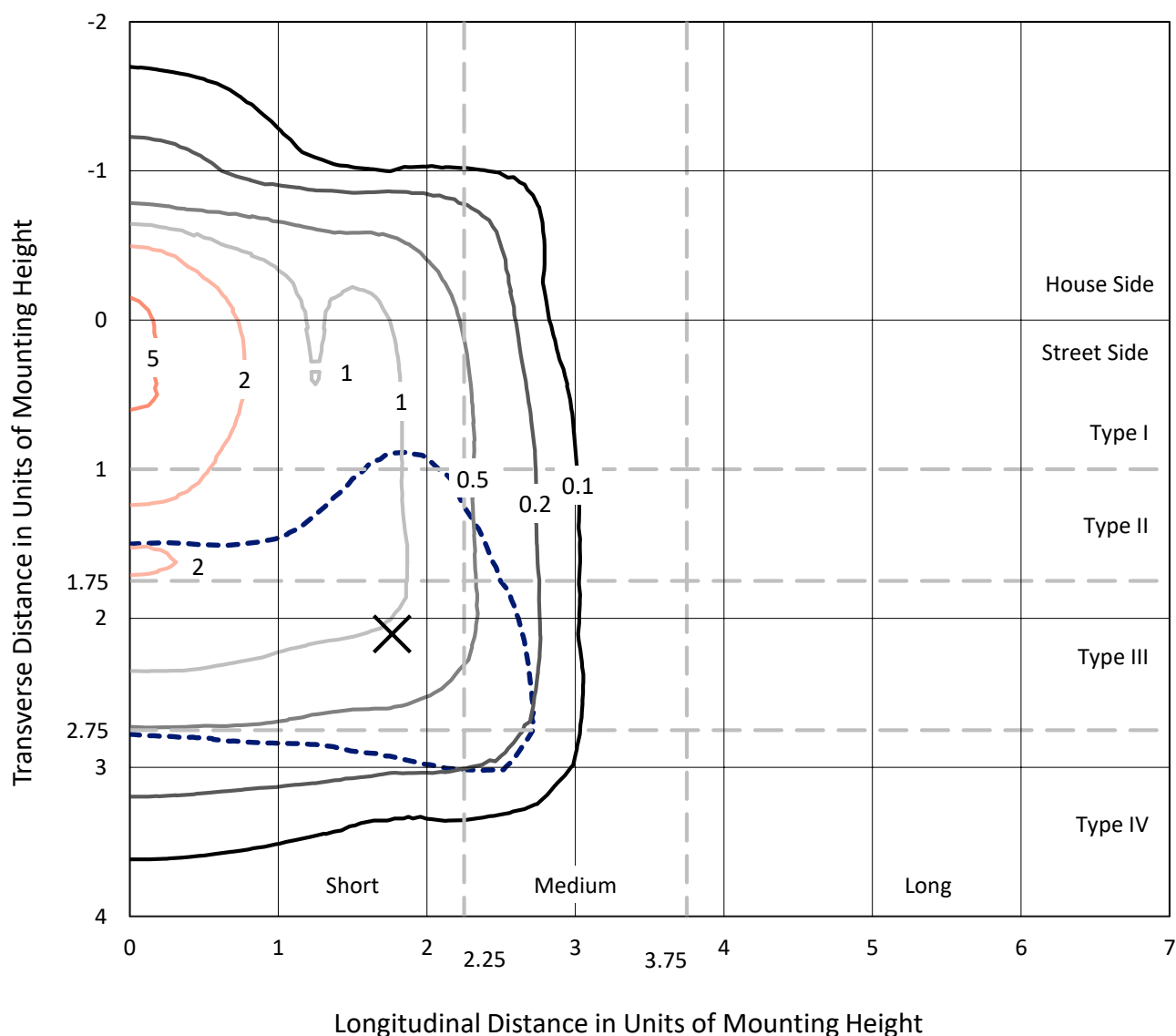
REPORT NUMBER: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

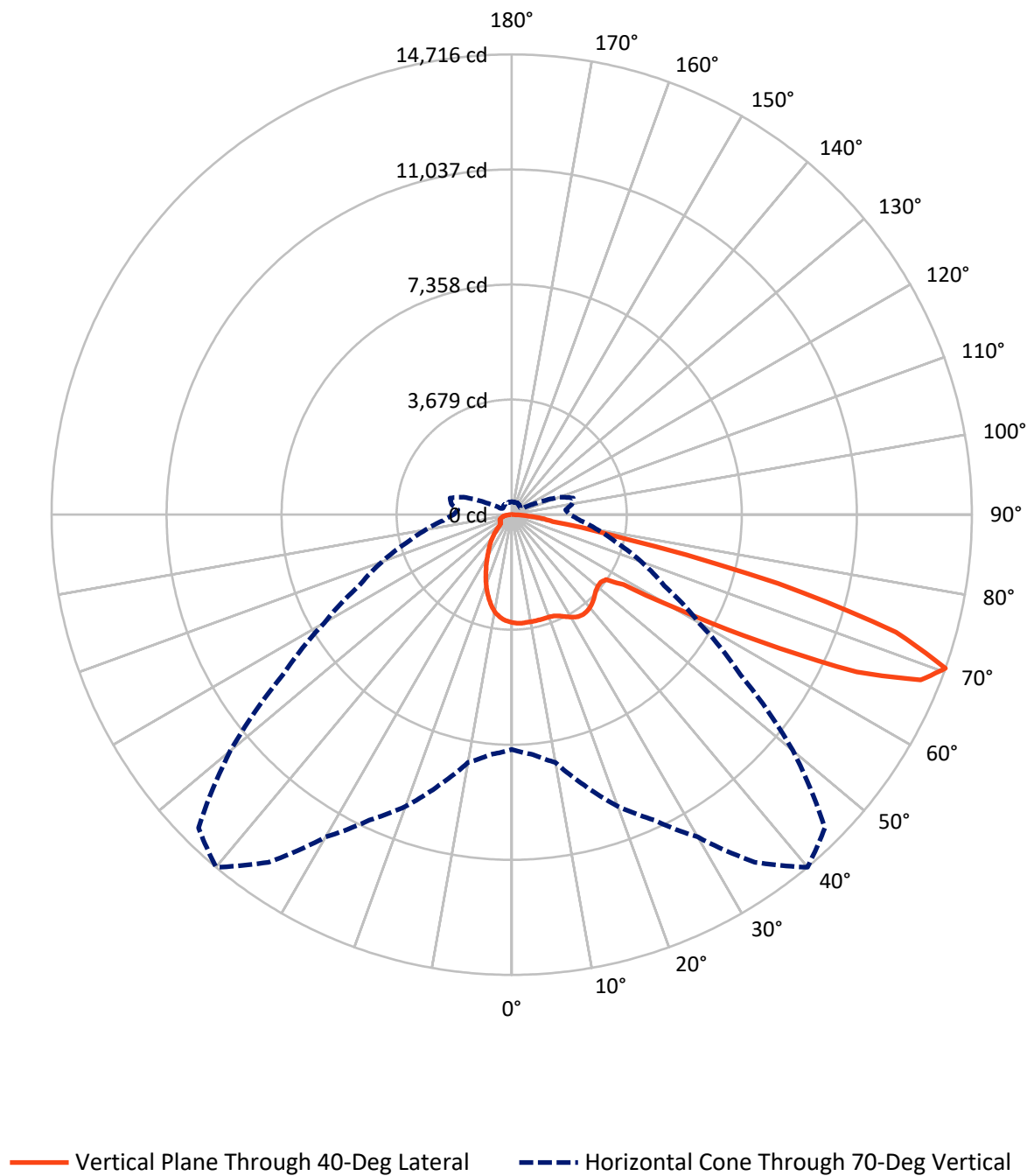


Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

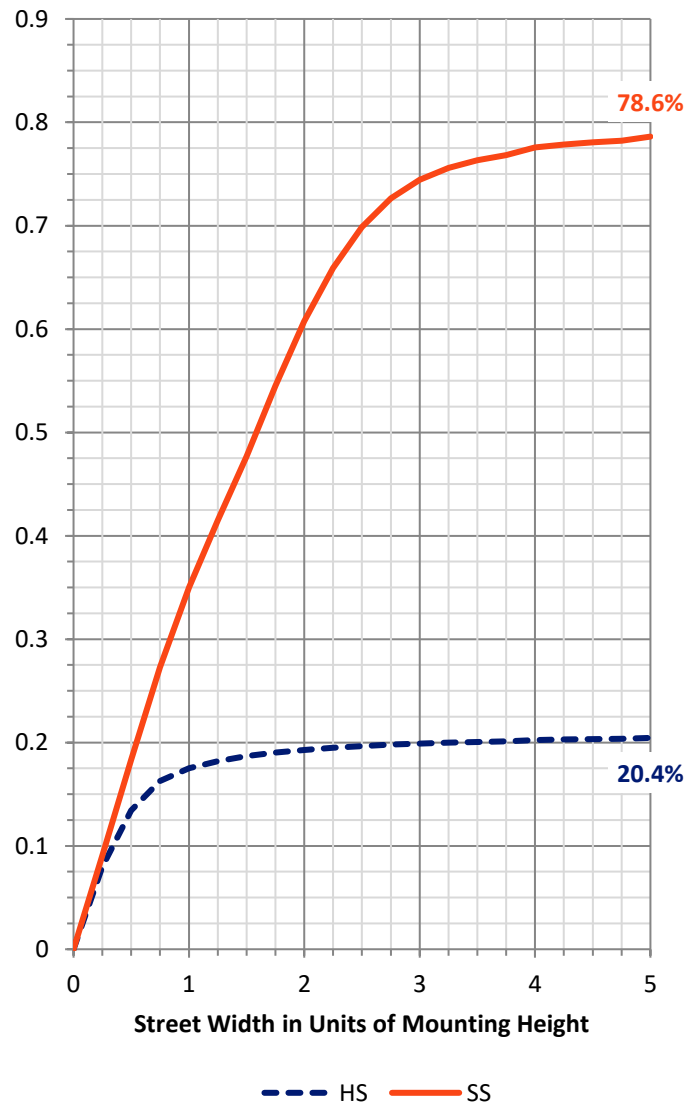
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3360.6	0.0	3360.6
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	12828.2	0.0	12828.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	16188.9	0.0	16188.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.7	2.0
10°-20°	883.4	5.5
20°-30°	1307.8	8.1
30°-40°	1652.7	10.2
40°-50°	1869.1	11.5
50°-60°	2659.8	16.4
60°-70°	4953.6	30.6
70°-80°	2270.3	14.0
80°-90°	269.5	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°	16188.9	100.0
0°-180°	16188.9	100.0

Coefficient of Utilization



REPORT NUMBER: P152189

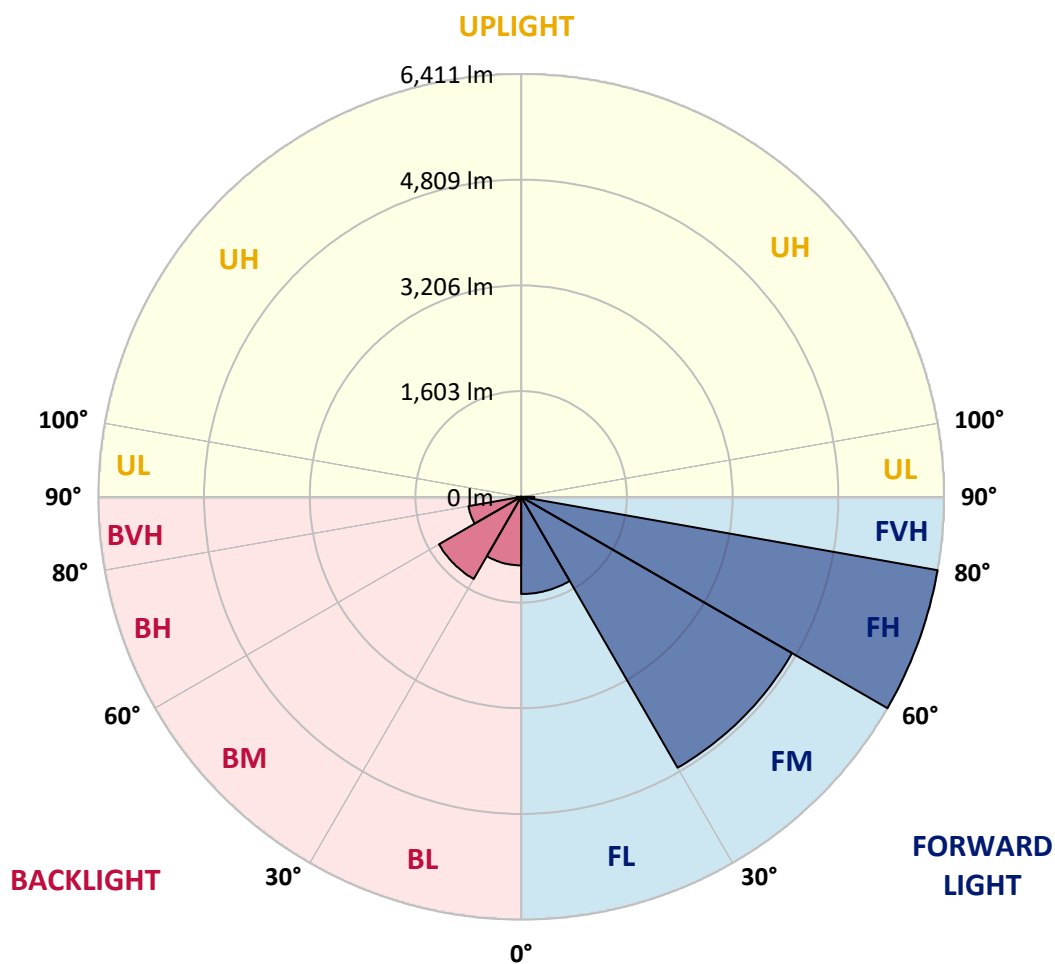
CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1474.1	9.1			
FM	(30°-60°)	4742.8	29.3			
FH	(60°-80°)	6411.4	39.6			G3/7500
FVH	(80°-90°)	199.9	1.2			G2/225
BL	(0°-30°)	1039.8	6.4	B3/2500		
BM	(30°-60°)	1438.8	8.9	B2/2500		
BH	(60°-80°)	812.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	69.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3
2.5°	3507.3	3516.4	3505.4	3503.6	3503.6	3501.8	3490.8	3489.0	3474.4	3476.2	3479.9
5°	3532.8	3536.5	3529.2	3527.4	3523.7	3516.4	3507.3	3496.3	3485.4	3474.4	3465.3
7.5°	3558.4	3554.7	3549.3	3549.3	3543.8	3532.8	3514.6	3500.0	3476.2	3463.4	3446.9
10°	3594.9	3589.4	3582.2	3578.5	3569.3	3553.0	3527.4	3507.3	3478.0	3452.4	3425.1
12.5°	3629.6	3627.9	3616.9	3611.4	3596.8	3580.3	3549.3	3518.2	3479.9	3439.7	3403.1
15°	3691.8	3684.5	3673.5	3662.5	3638.8	3616.9	3569.3	3532.8	3478.0	3425.1	3368.4
17.5°	3799.6	3786.7	3775.8	3752.0	3722.8	3684.5	3615.0	3553.0	3478.0	3401.3	3337.4
20°	3996.8	3969.4	3954.8	3923.7	3872.6	3803.2	3695.4	3594.9	3483.5	3384.9	3299.1
22.5°	4219.7	4201.5	4181.3	4161.2	4080.8	3980.4	3834.2	3684.5	3516.4	3377.6	3268.0
25°	4469.9	4446.2	4435.2	4400.5	4325.6	4210.6	4011.4	3803.2	3591.3	3406.8	3268.0
27.5°	4692.7	4685.5	4683.6	4643.5	4572.2	4437.1	4201.5	3951.2	3693.6	3467.0	3295.3
30°	4895.5	4888.3	4884.6	4862.7	4780.5	4619.7	4363.9	4082.7	3805.0	3551.1	3346.5
32.5°	5111.1	5087.4	5076.4	5034.4	4941.2	4753.1	4460.8	4168.5	3892.7	3633.3	3403.1
35°	5286.4	5266.4	5244.5	5184.1	5052.6	4829.8	4502.8	4197.7	3927.4	3679.0	3432.3
37.5°	5414.3	5394.2	5363.2	5286.4	5123.9	4855.3	4501.0	4188.6	3914.6	3671.7	3437.8
40°	5471.0	5450.9	5418.0	5321.1	5136.7	4840.7	4466.3	4146.6	3876.3	3633.3	3416.0
42.5°	5449.0	5434.4	5392.4	5299.3	5096.5	4775.0	4396.9	4068.1	3803.2	3571.2	3366.6
45°	5365.0	5354.1	5313.9	5215.2	5005.2	4669.0	4294.6	3969.4	3715.5	3494.5	3300.8
47.5°	5239.0	5235.3	5195.1	5098.3	4890.1	4563.1	4188.6	3872.6	3627.9	3419.6	3246.0
50°	5100.1	5081.9	5061.8	4972.2	4782.3	4471.8	4111.9	3812.3	3578.5	3392.2	3222.3
52.5°	5012.4	5006.9	4988.7	4908.4	4725.7	4418.8	4077.2	3790.4	3574.8	3386.7	3209.5
55°	5790.7	5803.4	5635.3	5286.4	4979.6	4565.0	4181.3	3901.9	3664.4	3474.4	3344.7
57.5°	8565.4	8508.8	8220.1	7527.9	6746.0	5713.9	4970.5	4519.3	4225.2	4258.0	4323.8
60°	9979.3	9968.3	9915.3	9646.8	9126.2	8340.7	7469.4	6470.2	6152.3	6187.0	6212.6
62.5°	10611.3	10627.8	10668.0	10567.5	10430.5	10202.1	9767.4	9365.5	8939.9	8780.9	8355.3
65°	10903.6	10932.8	11024.1	11080.7	11133.8	11173.9	11345.6	11816.9	12127.5	11546.5	10194.8
67.5°	10299.0	10439.6	10741.0	11035.1	11298.1	11672.6	12253.5	13347.7	14109.4	13395.2	11435.1
70°	7507.8	7699.6	8044.8	8954.5	9926.3	10775.8	11900.9	13566.9	14715.9	14164.2	11742.1
72.5°	4707.4	4760.4	4913.8	5248.1	5969.6	7060.2	9027.6	11526.5	12852.6	12412.4	9924.5
75°	2986.6	3005.0	2999.5	3076.2	3198.5	3436.1	4214.2	6808.1	8804.7	8117.8	5531.3
77.5°	1779.2	1806.6	1817.6	1841.3	1899.8	1983.8	2047.8	2316.3	3691.8	3583.9	2007.6
80°	1490.6	1512.5	1494.2	1488.8	1452.2	1426.6	1457.7	1426.6	1324.4	1275.0	1174.6
82.5°	789.1	787.4	781.9	834.8	942.6	1026.6	1090.6	1076.0	973.7	829.3	703.3
85°	433.0	447.6	447.6	465.8	449.3	451.2	465.8	491.4	454.8	380.0	310.6
87.5°	36.6	56.6	45.7	56.6	76.7	54.8	53.0	53.0	45.7	32.8	29.2
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: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3
2.5°	3470.8	3467.0	3459.8	3454.3	3454.3	3445.2	3439.7	3436.1	3434.2	3426.8	3426.8
5°	3459.8	3446.9	3434.2	3425.1	3419.6	3410.5	3395.9	3388.5	3379.4	3372.1	3368.4
7.5°	3436.1	3412.2	3392.2	3377.6	3359.3	3344.7	3326.4	3309.9	3293.6	3286.2	3282.6
10°	3399.5	3368.4	3337.4	3309.9	3284.5	3258.9	3235.1	3211.3	3191.3	3176.7	3162.0
12.5°	3364.8	3317.3	3277.1	3236.9	3196.7	3165.7	3132.7	3098.1	3068.8	3041.5	3034.2
15°	3317.3	3262.5	3211.3	3162.0	3112.7	3061.6	3021.3	2983.0	2935.5	2904.5	2880.7
17.5°	3273.5	3207.7	3145.6	3087.2	3026.8	2973.9	2913.6	2862.5	2814.9	2767.5	2732.7
20°	3225.9	3154.7	3088.9	3023.2	2957.4	2889.8	2820.4	2754.7	2696.2	2639.6	2583.0
22.5°	3183.9	3110.9	3046.9	2975.6	2902.6	2825.9	2745.5	2663.3	2595.8	2522.7	2456.9
25°	3158.3	3078.0	3012.2	2942.8	2862.5	2778.4	2687.0	2590.3	2508.1	2424.0	2345.5
27.5°	3158.3	3054.2	2986.6	2917.2	2835.0	2745.5	2645.1	2539.1	2445.9	2352.7	2256.0
30°	3185.8	3057.9	2966.5	2893.5	2809.4	2712.6	2601.2	2489.8	2387.5	2277.9	2184.8
32.5°	3211.3	3065.2	2951.9	2858.8	2762.0	2666.9	2553.7	2435.0	2321.8	2217.6	2119.0
35°	3227.8	3065.2	2924.6	2805.8	2696.2	2603.0	2491.6	2372.8	2257.8	2155.5	2064.1
37.5°	3229.6	3050.6	2880.7	2745.5	2630.5	2533.7	2427.7	2316.3	2206.6	2111.7	2034.9
40°	3211.3	3021.3	2836.9	2681.6	2561.0	2462.4	2365.6	2265.1	2166.4	2087.9	2022.2
42.5°	3178.4	2990.3	2794.8	2630.5	2504.5	2402.1	2312.6	2226.7	2140.9	2073.3	2018.5
45°	3129.1	2948.3	2756.5	2599.4	2475.1	2367.4	2279.7	2208.5	2135.4	2078.8	2023.9
47.5°	3085.3	2933.7	2769.3	2619.5	2489.8	2378.3	2288.8	2228.6	2171.9	2133.6	2058.7
50°	3076.2	2926.4	2774.7	2636.0	2504.5	2391.2	2312.6	2281.6	2265.1	2241.3	2126.3
52.5°	3050.6	2924.6	2814.9	2738.2	2654.2	2601.2	2519.1	2548.3	2529.9	2445.9	2237.7
55°	3319.1	3355.6	3457.9	3604.0	3739.3	3770.3	3761.1	3726.4	3542.0	3046.9	2506.2
57.5°	4563.1	4769.5	4963.1	5049.0	5038.0	4941.2	4871.8	4731.2	4464.5	3861.7	3036.0
60°	6291.2	6324.0	6221.8	6070.2	5814.4	5600.6	5372.3	5109.3	4722.1	4132.0	3361.1
62.5°	7882.2	7440.1	6985.3	6557.8	6168.8	5829.0	5511.2	5143.9	4639.8	4024.2	3319.1
65°	9005.6	8070.4	7352.4	6738.7	6188.9	5713.9	5317.5	4840.7	4272.6	3717.3	3076.2
67.5°	9584.7	8150.8	7049.2	6194.3	5414.3	4756.7	4228.8	3764.9	3342.9	3099.9	2692.5
70°	8938.0	6917.7	5383.3	4417.0	3483.5	2793.1	2206.6	1852.2	1729.8	1960.0	2038.5
72.5°	6660.1	4502.8	3202.2	2477.0	1897.9	1512.5	1160.0	911.5	741.7	778.1	1010.2
75°	3149.2	1943.6	1373.7	1044.9	831.2	688.7	562.6	515.1	431.1	358.0	336.1
77.5°	1225.7	893.3	738.0	540.7	383.6	308.7	263.0	253.9	259.4	252.1	248.4
80°	933.5	632.0	396.4	290.5	250.3	221.0	195.4	188.2	191.8	200.9	210.1
82.5°	520.6	325.2	241.1	210.1	188.2	160.7	146.1	135.1	137.0	148.0	168.1
85°	200.9	157.1	144.4	138.9	129.7	104.1	89.5	91.3	104.1	124.2	124.2
87.5°	22.0	22.0	29.2	22.0	22.0	22.0	20.1	23.7	25.6	32.8	38.3
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: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3	3454.3
2.5°	3423.2	3423.2	3423.2	3419.6	3421.5	3414.1	3414.1	3408.6	3417.7	3412.2	3410.5
5°	3370.3	3368.4	3361.1	3361.1	3361.1	3361.1	3366.6	3352.0	3363.0	3363.0	3357.5
7.5°	3280.7	3280.7	3260.6	3271.6	3268.0	3273.5	3280.7	3273.5	3284.5	3291.7	3286.2
10°	3156.6	3156.6	3140.1	3152.8	3147.4	3160.2	3173.0	3165.7	3173.0	3183.9	3187.6
12.5°	3019.6	3012.2	2997.6	3003.1	3003.1	3010.4	3015.9	3025.0	3034.2	3048.8	3056.1
15°	2860.6	2849.6	2831.4	2831.4	2820.4	2824.0	2835.0	2838.7	2857.0	2877.1	2900.8
17.5°	2698.0	2670.7	2650.6	2626.8	2608.5	2623.1	2636.0	2645.1	2659.7	2690.8	2707.2
20°	2544.6	2489.8	2451.4	2420.4	2400.3	2409.4	2425.9	2436.8	2449.6	2456.9	2462.4
22.5°	2393.0	2330.9	2277.9	2239.6	2206.6	2215.8	2208.5	2203.0	2212.1	2188.4	2186.5
25°	2261.5	2188.4	2117.1	2071.5	2031.3	2018.5	1980.1	1971.0	1945.4	1925.4	1910.8
27.5°	2166.4	2071.5	1993.0	1940.0	1876.1	1828.5	1779.2	1729.8	1702.5	1669.6	1653.2
30°	2091.6	1991.1	1897.9	1808.4	1724.5	1651.3	1585.6	1521.7	1477.8	1430.3	1399.3
32.5°	2022.2	1929.0	1815.8	1693.4	1580.1	1497.9	1412.0	1339.0	1269.5	1207.5	1161.8
35°	1974.7	1870.6	1726.2	1576.5	1448.6	1351.7	1260.4	1156.3	1072.2	991.9	942.6
37.5°	1949.1	1821.2	1644.0	1477.8	1335.3	1225.7	1112.4	991.9	889.6	814.7	739.8
40°	1929.0	1771.9	1571.0	1390.2	1240.3	1108.8	977.3	834.8	721.6	643.0	584.6
42.5°	1907.0	1717.1	1507.0	1320.7	1154.5	1001.0	842.1	690.5	582.7	527.9	502.4
45°	1883.3	1669.6	1446.7	1254.9	1070.5	884.1	701.5	560.8	496.9	478.5	478.5
47.5°	1877.8	1638.5	1402.9	1191.0	975.4	748.9	571.7	484.0	465.8	469.4	476.8
50°	1899.8	1629.4	1364.6	1116.2	849.4	606.4	484.0	454.8	458.5	469.4	480.4
52.5°	1952.7	1636.7	1324.4	1012.0	699.6	500.5	447.6	445.7	456.7	473.2	484.0
55°	2042.3	1636.7	1247.7	856.7	559.0	449.3	434.7	442.1	456.7	471.3	480.4
57.5°	2234.1	1620.3	1112.4	685.0	467.7	431.1	431.1	440.2	453.1	467.7	474.9
60°	2462.4	1598.3	922.5	529.7	422.0	416.5	429.3	440.2	451.2	463.9	471.3
62.5°	2477.0	1541.8	730.7	438.4	398.2	407.4	427.5	442.1	445.7	454.8	463.9
65°	2276.1	1344.5	580.9	392.7	387.3	401.9	422.0	433.0	434.7	438.4	447.6
67.5°	1993.0	1096.1	469.4	370.8	376.3	392.7	403.7	412.8	418.3	427.5	429.3
70°	1636.7	880.5	401.9	348.9	354.4	372.6	381.8	390.9	401.9	412.8	407.4
72.5°	1160.0	685.0	352.5	325.2	332.4	348.9	359.9	367.2	376.3	387.3	380.0
75°	493.2	478.5	305.1	294.1	305.1	316.1	326.9	337.9	347.0	352.5	352.5
77.5°	252.1	281.3	263.0	263.0	270.4	281.3	290.5	301.5	306.8	312.3	319.7
80°	213.7	217.4	221.0	228.3	235.6	246.6	255.8	264.9	266.7	268.5	272.2
82.5°	177.2	184.5	188.2	199.1	204.6	208.3	213.7	213.7	217.4	217.4	211.9
85°	127.9	137.0	142.5	144.4	142.5	144.4	146.1	149.7	159.0	159.0	151.6
87.5°	36.6	34.7	43.8	45.7	49.3	56.6	63.9	76.7	80.4	84.0	84.0
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: P152189

CATALOG NUMBER: VXS-E06-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	3454.3	3454.3	3454.3	3454.3
2.5°	3408.6	3412.2	3405.0	3406.8
5°	3357.5	3364.8	3355.6	3366.6
7.5°	3291.7	3302.7	3300.8	3299.1
10°	3196.7	3211.3	3211.3	3216.8
12.5°	3076.2	3085.3	3092.6	3096.3
15°	2913.6	2930.1	2939.2	2939.2
17.5°	2718.1	2729.1	2734.6	2727.3
20°	2469.7	2466.0	2467.9	2449.6
22.5°	2182.9	2188.4	2171.9	2175.6
25°	1901.6	1892.4	1899.8	1888.8
27.5°	1629.4	1631.3	1611.2	1620.3
30°	1370.1	1360.9	1335.3	1348.1
32.5°	1119.8	1096.1	1068.6	1052.2
35°	884.1	847.6	834.8	829.3
37.5°	694.2	654.0	641.1	626.5
40°	551.7	537.1	531.6	535.2
42.5°	495.0	495.0	498.7	500.5
45°	480.4	485.9	491.4	493.2
47.5°	482.3	487.8	495.0	496.9
50°	485.9	491.4	496.9	498.7
52.5°	487.8	487.8	491.4	493.2
55°	484.0	482.3	484.0	485.9
57.5°	476.8	473.2	474.9	480.4
60°	473.2	467.7	471.3	474.9
62.5°	463.9	462.2	465.8	467.7
65°	443.9	445.7	451.2	451.2
67.5°	425.6	427.5	429.3	431.1
70°	403.7	405.5	409.2	411.0
72.5°	378.1	385.4	390.9	398.2
75°	358.0	365.4	376.3	383.6
77.5°	323.3	328.8	341.6	350.8
80°	274.0	272.2	274.0	279.5
82.5°	210.1	210.1	208.3	206.4
85°	148.0	146.1	140.6	140.6
87.5°	80.4	78.5	76.7	73.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)