

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: P148769

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148769
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
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-RW-7030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17119.5 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

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

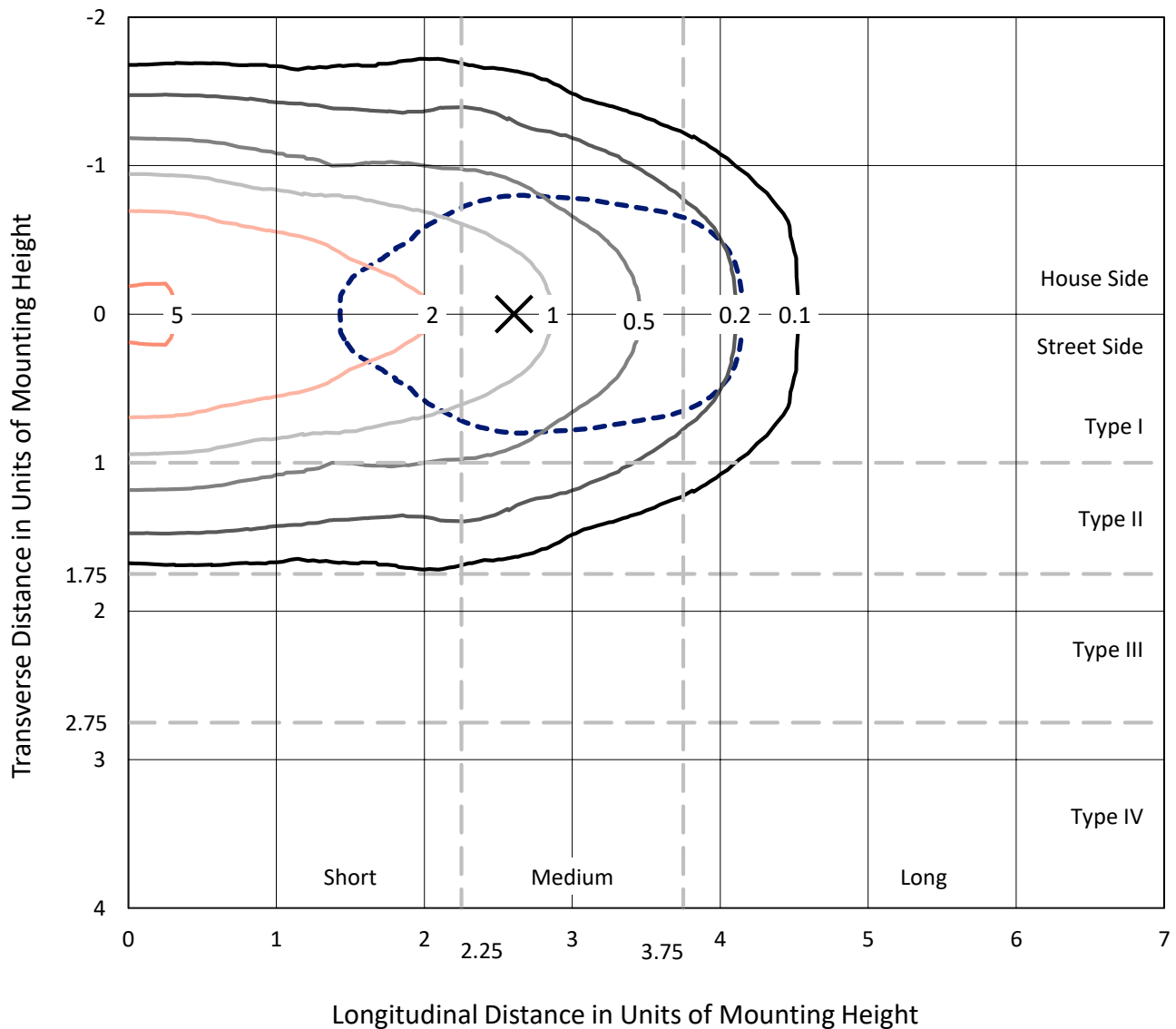


REPORT NUMBER: P148769

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

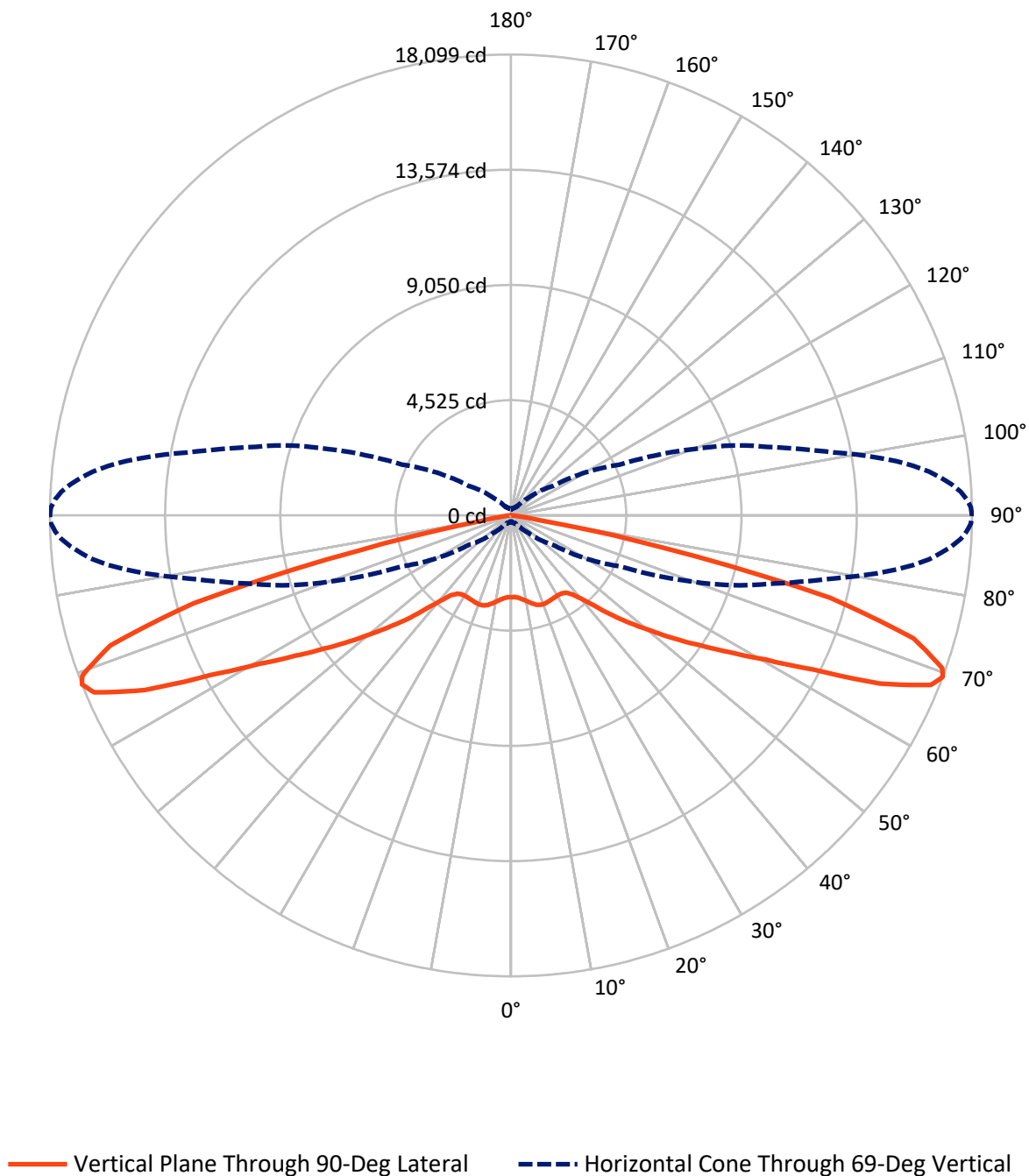


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type I - Short - Full Cutoff

REPORT NUMBER: P148769

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

Luminous Intensity Polar Plot



REPORT NUMBER: P148769

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8559.8	0.0	8559.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8559.8	0.0	8559.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17119.5	0.0	17119.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.6	1.8
10°-20°	992.6	5.8
20°-30°	1608.1	9.4
30°-40°	2004.0	11.7
40°-50°	2504.3	14.6
50°-60°	3092.3	18.1
60°-70°	3842.3	22.4
70°-80°	2550.8	14.9
80°-90°	210.6	1.2
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°	17119.5	100.0
0°-180°	17119.5	100.0

Coefficient of Utilization



REPORT NUMBER: P148769

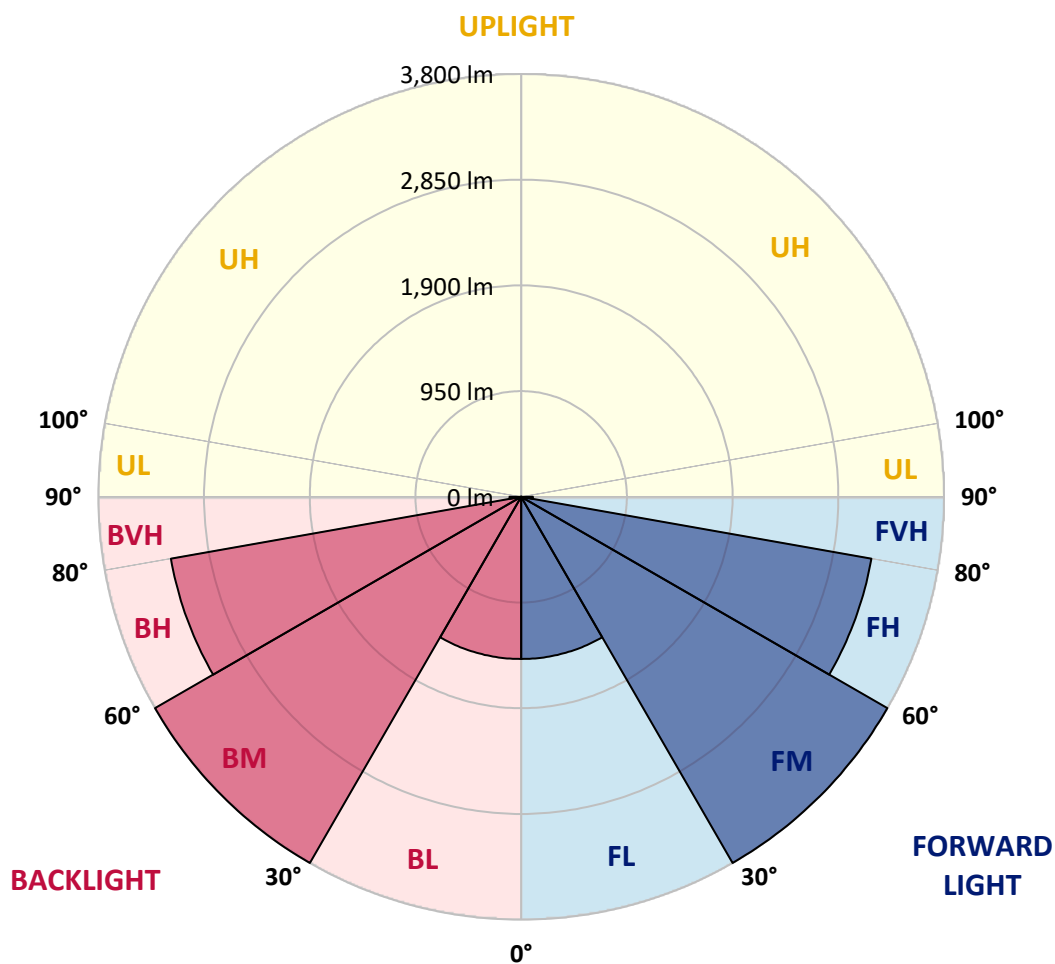
CATALOG NUMBER: VXS-E06-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1457.6	8.5			
FM	(30°-60°)	3800.3	22.2			
FH	(60°-80°)	3196.5	18.7			G2/5000
FVH	(80°-90°)	105.3	0.6			G2/225
BL	(0°-30°)	1457.6	8.5	B3/2500		
BM	(30°-60°)	3800.3	22.2	B3/5000		
BH	(60°-80°)	3196.5	18.7	B4/5000		G4/5000
BVH	(80°-90°)	105.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P148769

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3222.2	3225.0	3223.2	3226.9	3226.0	3226.0	3224.2	3220.4	3220.0	3219.5	3219.1
5°	3253.4	3249.6	3255.2	3260.6	3258.9	3259.8	3258.8	3258.9	3258.5	3258.2	3257.8
7.5°	3286.2	3285.4	3289.0	3303.6	3305.4	3310.9	3317.2	3321.8	3322.0	3322.2	3322.4
10°	3314.5	3315.4	3324.6	3345.6	3356.6	3373.9	3391.3	3405.0	3406.0	3407.0	3408.0
12.5°	3337.4	3338.3	3352.0	3384.9	3411.4	3444.2	3481.8	3502.8	3504.6	3506.4	3508.2
15°	3339.2	3341.9	3365.7	3419.6	3472.6	3526.4	3571.2	3599.5	3601.0	3602.4	3603.9
17.5°	3315.4	3317.3	3357.5	3437.0	3525.6	3609.6	3656.2	3668.9	3669.5	3670.0	3670.6
20°	3253.4	3258.0	3314.6	3432.3	3567.6	3677.2	3725.6	3708.2	3706.5	3704.7	3703.0
22.5°	3152.9	3152.0	3226.0	3384.9	3575.8	3730.1	3773.0	3727.4	3722.0	3716.6	3711.2
25°	2990.4	3001.2	3088.0	3278.0	3529.2	3742.0	3806.8	3737.4	3729.6	3721.9	3714.1
27.5°	2814.0	2820.4	2912.7	3116.3	3420.6	3700.8	3823.3	3757.5	3748.8	3740.2	3731.5
30°	2608.5	2616.7	2715.4	2928.2	3246.0	3595.0	3818.8	3803.2	3793.0	3782.9	3772.7
32.5°	2407.6	2416.8	2505.3	2738.2	3062.5	3449.8	3791.3	3868.0	3857.6	3847.2	3836.8
35°	2199.4	2213.0	2320.8	2556.5	2885.2	3288.0	3749.3	3951.2	3945.4	3939.6	3933.9
37.5°	2026.7	2029.5	2133.6	2381.1	2720.9	3133.7	3693.6	4056.2	4060.4	4064.6	4068.8
40°	1834.0	1851.4	1955.5	2216.7	2572.0	3003.2	3640.6	4198.7	4220.5	4242.3	4264.2
42.5°	1661.4	1663.2	1769.2	2038.6	2410.3	2898.0	3611.4	4370.4	4417.0	4463.7	4510.4
45°	1479.6	1487.0	1582.8	1843.1	2224.0	2773.9	3610.5	4568.6	4643.1	4717.7	4792.2
47.5°	1307.9	1310.6	1412.0	1654.1	2010.3	2600.3	3604.1	4781.4	4882.9	4984.3	5085.8
50°	1143.6	1140.8	1240.4	1473.2	1799.2	2372.9	3548.4	5022.6	5150.7	5278.8	5407.0
52.5°	955.4	968.2	1071.4	1294.2	1607.6	2141.9	3385.8	5286.4	5439.7	5593.0	5746.2
55°	770.8	776.4	886.9	1095.0	1413.0	1926.2	3102.6	5529.4	5710.1	5890.8	6071.4
57.5°	568.2	584.6	681.3	886.8	1215.7	1744.5	2742.8	5655.5	5875.3	6095.1	6315.0
60°	401.0	413.8	499.6	672.2	999.2	1553.6	2433.2	5585.2	5870.9	6156.6	6442.3
62.5°	312.4	322.4	391.0	503.2	779.1	1362.8	2211.2	5357.8	5746.5	6135.2	6523.9
65°	274.0	283.2	345.2	402.8	581.8	1168.2	2089.7	5117.5	5631.4	6145.2	6659.0
67.5°	247.5	258.5	312.3	352.6	474.0	1019.4	2057.8	4965.8	5547.8	6129.8	6711.8
69°	235.6	246.6	295.0	328.8	440.2	966.3	2003.0	4727.6	5306.2	5884.8	6463.4
70°	228.4	237.4	282.2	317.0	429.3	929.8	1911.7	4429.8	4998.0	5566.2	6134.4
72.5°	211.9	216.4	255.8	289.5	398.2	751.7	1470.5	3289.9	3782.5	4275.1	4767.6
75°	187.2	192.8	229.2	262.2	310.6	466.7	930.6	2035.0	2402.7	2770.4	3138.1
77.5°	161.6	166.2	198.2	250.2	241.2	291.4	556.2	1132.6	1345.9	1559.1	1772.4
80°	129.6	135.2	163.6	248.4	199.1	226.5	400.0	791.8	849.4	907.0	964.5
82.5°	95.0	99.6	127.8	201.0	152.6	170.8	305.0	671.3	691.3	711.3	731.3
85°	48.4	49.3	81.2	122.4	96.8	88.6	171.7	459.4	472.2	485.0	497.8
87.5°	8.2	8.2	18.3	21.1	23.7	14.6	22.0	78.6	81.0	83.5	85.9
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: P148769

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

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3218.6	3218.2	3216.6	3216.9	3218.1	3217.5	3218.6	3218.8	3219.9	3216.4	3215.7
5°	3257.4	3257.0	3256.8	3256.7	3257.4	3257.2	3258.0	3259.4	3259.0	3256.9	3256.4
7.5°	3322.6	3322.8	3323.7	3322.8	3324.6	3323.7	3321.9	3324.8	3326.8	3327.0	3329.0
10°	3409.0	3410.0	3413.2	3412.7	3415.9	3415.5	3415.9	3419.1	3421.2	3421.6	3423.7
12.5°	3510.0	3511.8	3513.5	3515.1	3518.6	3516.6	3521.0	3522.8	3525.5	3531.0	3528.3
15°	3605.3	3606.8	3611.7	3612.1	3615.2	3616.5	3620.5	3622.2	3622.8	3627.2	3628.0
17.5°	3671.1	3671.7	3673.5	3672.6	3675.3	3674.4	3677.2	3678.6	3681.0	3683.4	3687.6
20°	3701.3	3699.5	3698.5	3697.5	3695.6	3692.8	3693.6	3694.8	3695.2	3697.4	3700.6
22.5°	3705.8	3700.4	3694.9	3691.1	3685.5	3680.9	3676.2	3676.6	3677.0	3676.4	3678.6
25°	3706.4	3698.6	3690.0	3679.5	3671.7	3661.2	3652.5	3651.8	3649.2	3649.4	3650.5
27.5°	3722.8	3714.1	3702.0	3689.8	3673.1	3659.1	3645.2	3640.2	3635.3	3632.2	3630.9
30°	3762.6	3752.5	3738.0	3722.5	3704.4	3682.6	3662.6	3656.3	3649.2	3643.0	3637.7
32.5°	3826.4	3816.0	3799.9	3783.9	3759.6	3738.0	3718.2	3708.2	3698.2	3687.2	3677.2
35°	3928.1	3922.4	3908.2	3894.0	3876.2	3859.3	3841.6	3830.2	3813.4	3804.8	3792.6
37.5°	4073.0	4077.2	4077.2	4079.0	4073.6	4065.3	4052.6	4040.7	4035.2	4012.3	3997.7
40°	4286.0	4307.8	4327.8	4343.2	4356.9	4370.4	4382.2	4375.3	4377.5	4371.5	4362.7
42.5°	4557.0	4603.7	4646.4	4689.0	4719.8	4767.9	4801.5	4812.1	4839.1	4849.7	4869.4
45°	4866.7	4941.2	5012.9	5079.0	5140.5	5209.4	5276.5	5326.2	5380.8	5442.5	5504.2
47.5°	5187.3	5288.7	5394.2	5480.6	5569.6	5671.4	5760.5	5835.6	5933.5	6024.1	6123.8
50°	5535.1	5663.2	5783.4	5889.7	6004.4	6121.8	6243.6	6354.0	6486.2	6631.2	6788.2
52.5°	5899.5	6052.8	6191.8	6325.3	6459.7	6594.2	6724.1	6879.9	7043.0	7234.5	7430.5
55°	6252.1	6432.7	6590.4	6738.9	6892.9	7043.2	7177.1	7385.6	7585.7	7814.3	8070.2
57.5°	6534.8	6754.6	6936.5	7112.9	7286.5	7446.4	7610.9	7846.0	8101.2	8368.2	8692.9
60°	6728.0	7013.6	7245.8	7457.9	7670.9	7872.0	8061.2	8368.4	8672.1	9004.0	9408.1
62.5°	6912.6	7301.3	7604.2	7893.4	8180.7	8438.8	8674.1	9060.6	9457.2	9867.5	10348.1
65°	7172.9	7686.8	8132.8	8536.0	8933.7	9313.1	9665.0	10154.8	10655.5	11195.5	11769.3
67.5°	7293.8	7875.8	8456.7	9000.1	9505.3	9985.7	10437.8	11029.8	11619.1	12244.9	12938.4
69°	7042.0	7620.6	8241.5	8835.1	9393.1	9902.6	10392.1	10996.6	11609.2	12248.4	12947.8
70°	6702.6	7270.8	7897.6	8518.0	9051.7	9582.6	10089.8	10689.5	11310.2	11951.0	12683.2
72.5°	5260.2	5752.8	6364.1	6966.3	7501.7	8034.5	8527.0	9140.9	9765.5	10438.7	11131.9
75°	3505.8	3873.5	4329.0	4887.6	5378.6	5849.5	6326.8	6846.0	7455.5	8010.2	8644.5
77.5°	1985.6	2198.9	2463.4	2826.7	3179.0	3460.9	3801.4	4045.6	4399.4	4704.9	5027.6
80°	1022.0	1079.6	1158.5	1245.6	1295.3	1287.4	1338.0	1288.0	1299.1	1258.2	1214.6
82.5°	751.3	771.3	807.0	824.5	822.7	765.3	704.2	619.4	544.7	466.4	394.4
85°	510.6	523.4	532.3	545.8	542.0	517.1	462.2	388.5	316.7	254.1	203.3
87.5°	88.4	90.9	90.2	97.9	98.1	91.1	75.0	63.9	53.9	40.2	28.4
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: P148769

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

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7	3207.7
2.5°	3215.0	3215.0	3216.8	3215.0	3215.0	3215.0	3214.0	3215.9	3215.0	3212.2	3209.5
5°	3257.0	3254.3	3253.4	3255.2	3257.0	3253.4	3256.0	3258.8	3254.2	3255.1	3253.4
7.5°	3327.4	3326.4	3325.5	3327.4	3327.4	3326.4	3327.3	3324.6	3322.8	3325.6	3328.3
10°	3421.4	3420.4	3422.4	3422.3	3426.0	3424.2	3423.3	3426.0	3424.2	3422.4	3423.2
12.5°	3532.0	3529.2	3533.8	3533.8	3536.5	3536.5	3535.6	3536.5	3535.6	3532.8	3531.0
15°	3630.6	3627.0	3627.8	3635.1	3634.2	3636.0	3636.0	3634.2	3633.3	3632.4	3633.3
17.5°	3690.0	3688.1	3688.2	3691.8	3694.5	3693.6	3693.6	3693.6	3692.6	3693.6	3695.4
20°	3700.9	3700.9	3701.8	3705.4	3710.0	3707.3	3707.3	3709.2	3707.4	3709.1	3710.1
22.5°	3679.9	3681.7	3683.6	3688.1	3689.0	3689.0	3689.0	3690.0	3691.8	3691.8	3693.6
25°	3650.7	3652.5	3655.2	3658.8	3662.6	3662.5	3662.5	3664.4	3664.4	3665.3	3666.2
27.5°	3628.8	3630.6	3633.3	3637.0	3641.5	3641.5	3641.6	3643.4	3643.4	3644.3	3646.1
30°	3631.4	3627.8	3630.6	3632.4	3635.2	3635.1	3634.2	3635.1	3636.0	3636.0	3637.0
32.5°	3670.8	3662.6	3659.8	3658.9	3659.8	3657.0	3656.1	3654.4	3652.5	3652.5	3651.6
35°	3774.8	3762.2	3761.2	3753.8	3746.6	3739.2	3740.2	3734.6	3736.6	3732.0	3728.3
37.5°	3988.6	3974.0	3983.1	3967.6	3957.5	3950.2	3942.0	3931.0	3924.6	3932.9	3932.8
40°	4371.3	4361.2	4358.5	4361.2	4352.2	4356.7	4336.6	4331.1	4319.2	4327.5	4338.4
42.5°	4900.1	4893.8	4928.4	4934.8	4938.5	4944.0	4947.6	4917.4	4916.6	4910.2	4891.9
45°	5553.2	5591.6	5589.7	5631.8	5633.6	5620.8	5626.2	5612.5	5607.0	5587.0	5611.6
47.5°	6224.5	6297.5	6325.0	6334.1	6368.8	6377.0	6344.2	6333.2	6352.4	6319.5	6324.0
50°	6945.0	7023.6	7087.6	7130.6	7155.2	7157.0	7132.4	7126.9	7144.2	7082.1	7111.3
52.5°	7653.9	7772.6	7893.2	7957.2	8002.8	8006.4	8025.6	8002.8	8012.0	7997.3	8026.5
55°	8352.6	8558.0	8699.7	8824.8	8904.2	8972.8	8979.1	9003.8	9005.7	9035.8	9005.6
57.5°	9035.8	9259.6	9506.2	9728.1	9851.4	9929.0	10002.2	10101.7	10123.6	10111.8	10130.9
60°	9842.3	10188.4	10523.6	10779.4	10992.2	11195.8	11305.4	11461.7	11486.3	11553.9	11495.4
62.5°	10861.6	11363.9	11818.8	12163.0	12486.4	12803.4	13042.6	13163.2	13236.2	13377.8	13331.3
65°	12425.2	13028.0	13630.0	14123.2	14576.2	14953.4	15316.9	15490.4	15682.2	15883.2	15919.7
67.5°	13713.0	14459.2	15137.9	15738.8	16287.8	16707.0	17085.2	17385.6	17619.5	17767.4	17779.3
69°	13771.5	14547.0	15284.0	15928.9	16501.5	16947.2	17345.4	17679.8	17907.2	18058.8	18099.0
70°	13492.0	14285.7	15071.2	15722.4	16308.8	16764.6	17186.6	17505.3	17759.2	17913.5	17967.5
72.5°	11920.2	12767.7	13607.1	14177.9	14777.1	15319.6	15657.6	15982.6	16340.8	16387.4	16535.3
75°	9396.5	10109.0	10760.2	11196.8	11697.3	12184.1	12515.7	12601.4	12788.8	13024.4	12940.3
77.5°	5445.4	5664.6	6084.8	6192.5	6101.2	6313.0	6383.4	6233.6	6226.4	6364.2	6090.3
80°	1206.5	1138.0	1223.9	1159.9	1161.8	1163.6	1144.4	1137.2	1150.8	1137.1	1117.9
82.5°	334.4	323.3	325.1	321.5	328.0	323.4	320.6	327.8	327.0	326.0	332.4
85°	160.7	158.9	156.1	155.3	151.7	147.0	139.8	139.8	143.4	137.8	140.6
87.5°	21.0	20.1	20.1	23.7	21.0	17.4	17.4	17.4	16.4	16.4	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)