

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: P148776

Luminaire Tested: **VXS-F06-LED-E1-RW-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148776
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-F06-LED-E1-RW-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15877.2 lumens
Efficiency: N/A
Efficacy: 101.5 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): 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

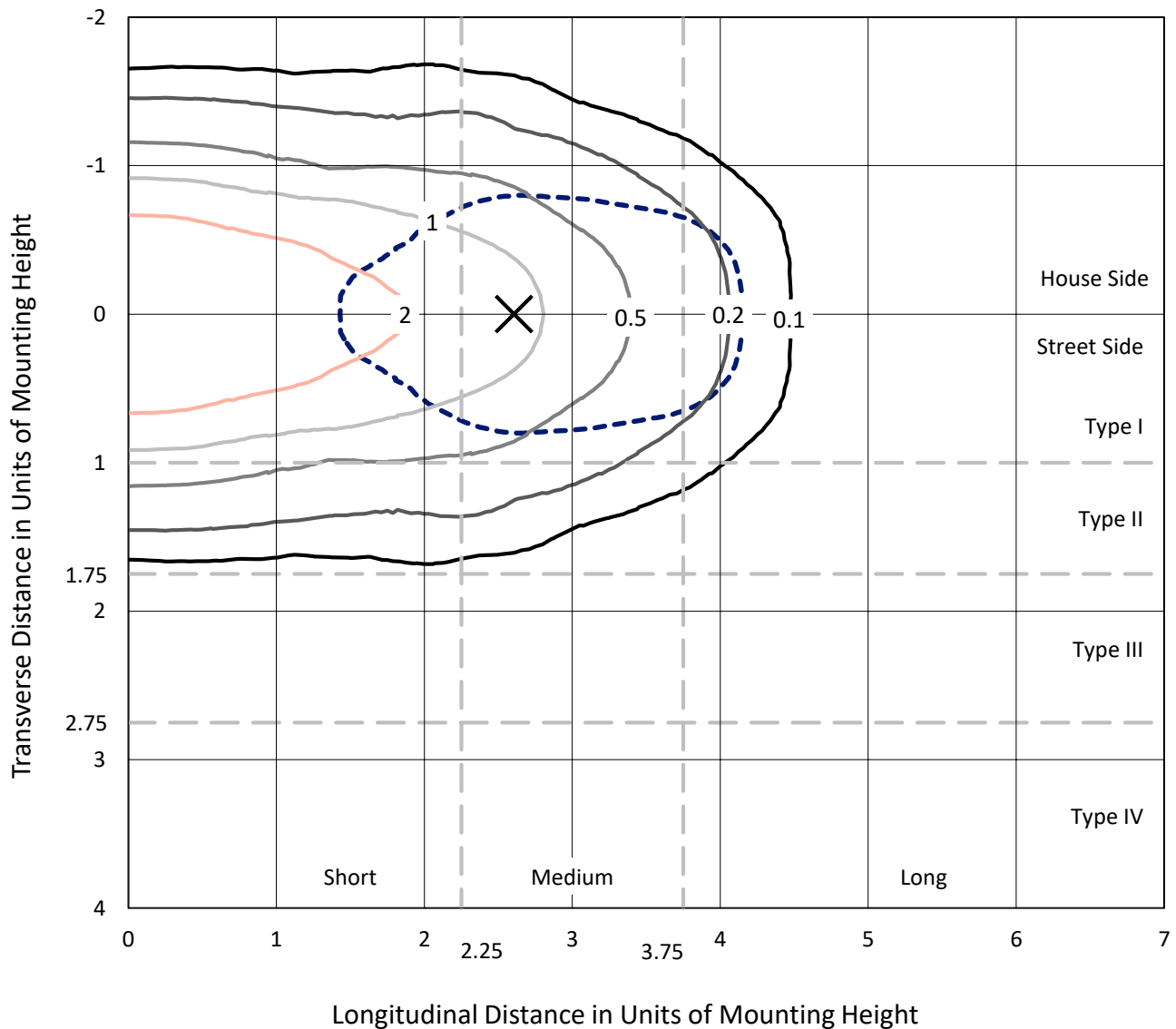


REPORT NUMBER: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

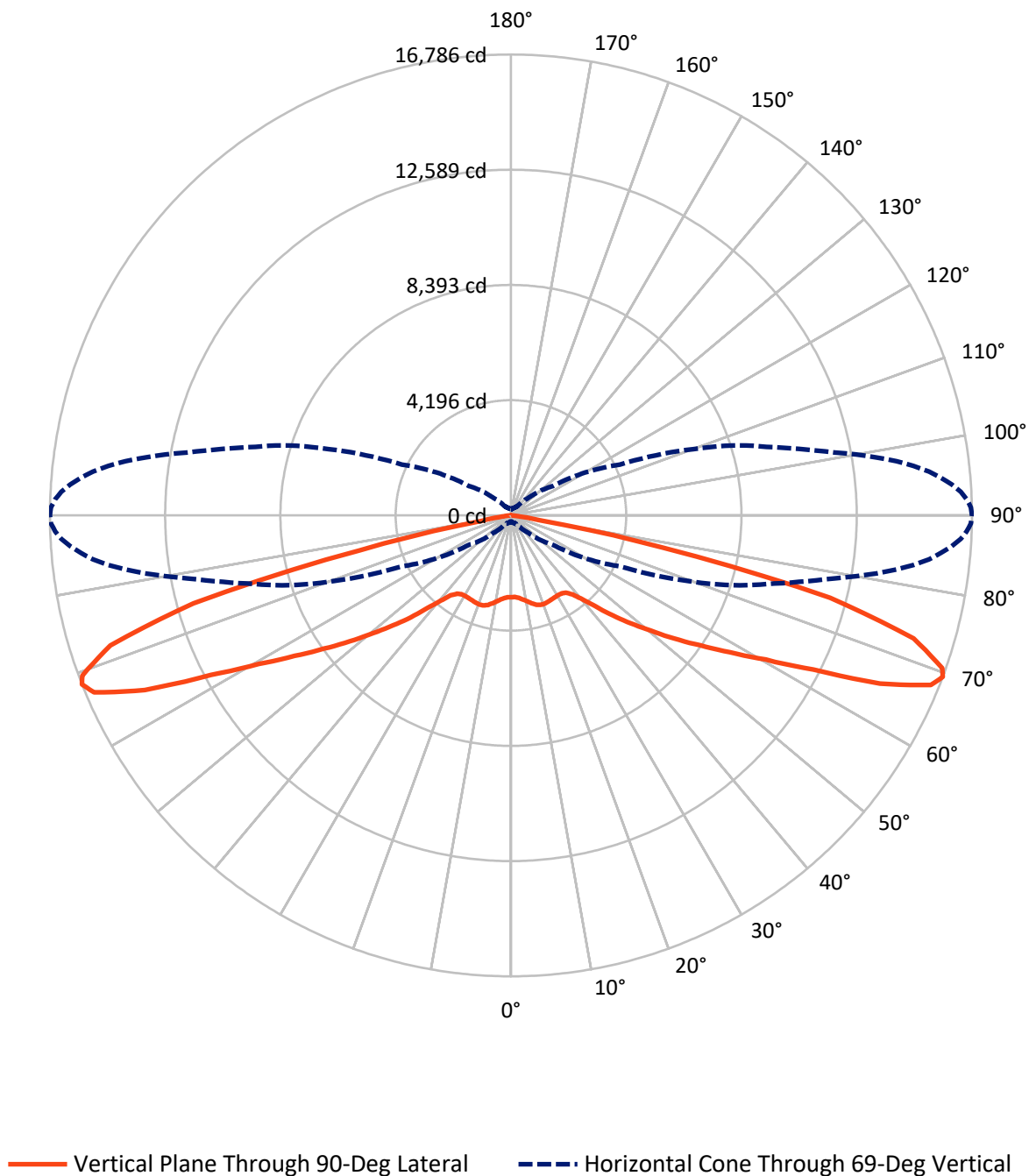


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7938.6	0.0	7938.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7938.6	0.0	7938.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15877.2	0.0	15877.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	1.8
10°-20°	920.5	5.8
20°-30°	1491.4	9.4
30°-40°	1858.6	11.7
40°-50°	2322.6	14.6
50°-60°	2867.9	18.1
60°-70°	3563.5	22.4
70°-80°	2365.7	14.9
80°-90°	195.3	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°	15877.2	100.0
0°-180°	15877.2	100.0

Coefficient of Utilization



REPORT NUMBER: P148776

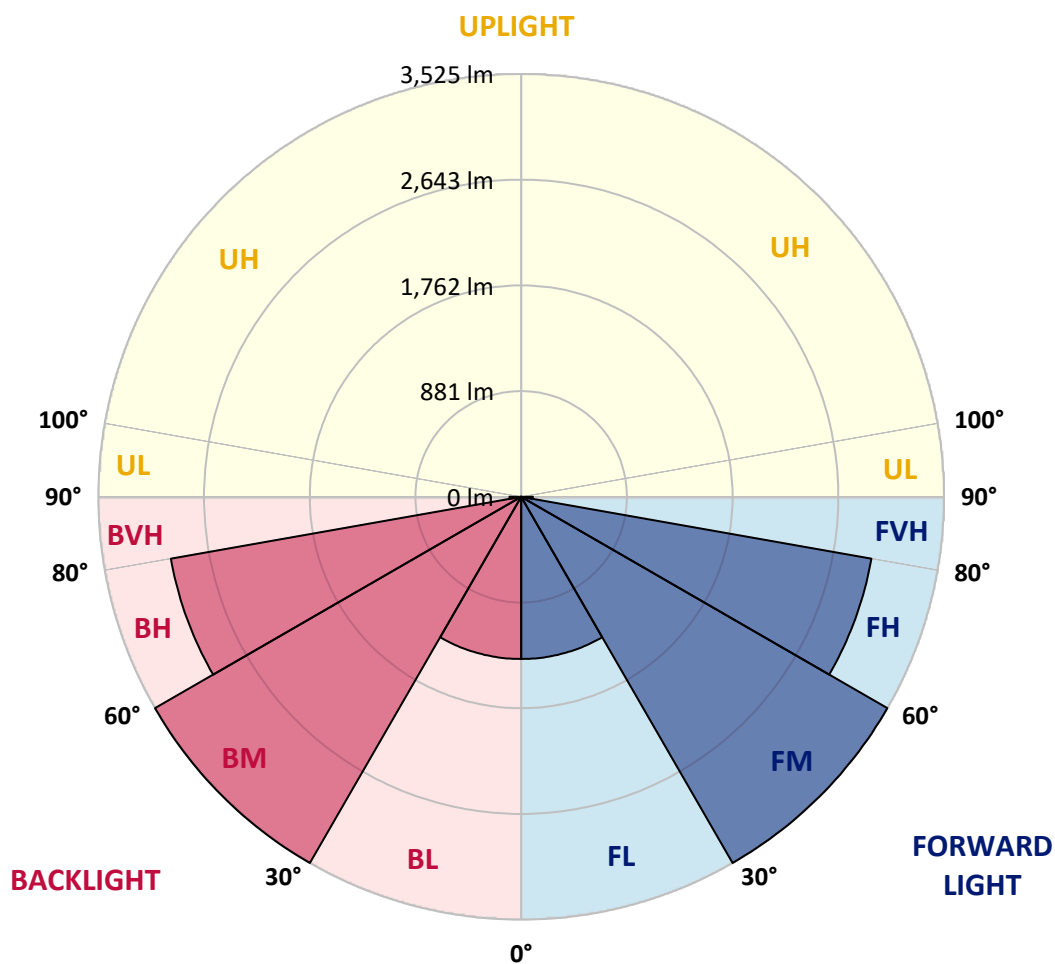
CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1351.9	8.5			
FM	(30°-60°)	3524.5	22.2			
FH	(60°-80°)	2964.6	18.7			G2/5000
FVH	(80°-90°)	97.7	0.6			G1/100
BL	(0°-30°)	1351.9	8.5	B3/2500		
BM	(30°-60°)	3524.5	22.2	B3/5000		
BH	(60°-80°)	2964.6	18.7	B4/5000		G4/5000
BVH	(80°-90°)	97.7	0.6			G1/100
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: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2988.5	2991.0	2989.4	2992.7	2991.9	2991.9	2990.2	2986.8	2986.4	2986.0	2985.5
5°	3017.3	3013.9	3019.0	3024.1	3022.4	3023.2	3022.4	3022.4	3022.0	3021.7	3021.3
7.5°	3047.8	3046.8	3050.4	3063.9	3065.6	3070.7	3076.6	3080.8	3081.0	3081.1	3081.3
10°	3074.0	3074.9	3083.4	3102.9	3113.0	3129.2	3145.2	3158.0	3158.9	3159.8	3160.7
12.5°	3095.2	3096.0	3108.8	3139.2	3163.9	3194.4	3229.1	3248.5	3250.2	3251.9	3253.6
15°	3096.9	3099.4	3121.5	3171.4	3220.6	3270.6	3312.1	3338.4	3339.7	3341.1	3342.4
17.5°	3074.8	3076.6	3113.9	3187.6	3269.7	3347.6	3390.9	3402.7	3403.2	3403.7	3404.2
20°	3017.2	3021.5	3074.0	3183.3	3308.6	3410.4	3455.2	3439.1	3437.5	3435.9	3434.3
22.5°	2924.1	2923.2	2991.8	3139.3	3316.4	3459.4	3499.3	3457.0	3452.0	3447.0	3442.0
25°	2773.3	2783.6	2864.0	3040.2	3273.1	3470.4	3530.6	3466.2	3459.0	3451.8	3444.6
27.5°	2609.8	2615.8	2701.3	2890.2	3172.3	3432.4	3545.8	3484.8	3476.8	3468.8	3460.7
30°	2419.2	2426.9	2518.4	2715.7	3010.5	3334.1	3541.6	3527.2	3517.8	3508.4	3499.0
32.5°	2232.9	2241.4	2323.5	2539.5	2840.2	3199.4	3516.2	3587.4	3577.7	3568.0	3558.4
35°	2039.8	2052.4	2152.4	2371.0	2675.9	3049.4	3477.2	3664.4	3659.1	3653.8	3648.5
37.5°	1879.7	1882.2	1978.8	2208.3	2523.4	2906.3	3425.6	3761.9	3765.8	3769.7	3773.6
40°	1701.0	1717.0	1813.6	2055.8	2385.4	2785.2	3376.4	3894.0	3914.2	3934.5	3954.8
42.5°	1540.8	1542.6	1640.8	1890.7	2235.4	2687.8	3349.4	4053.2	4096.5	4139.8	4183.1
45°	1372.2	1379.0	1468.0	1709.4	2062.6	2572.6	3348.5	4237.1	4306.2	4375.3	4444.4
47.5°	1213.0	1215.6	1309.6	1534.0	1864.4	2411.6	3342.6	4434.5	4528.6	4622.7	4716.8
50°	1060.5	1058.0	1150.4	1366.4	1668.8	2200.6	3290.8	4658.1	4776.9	4895.8	5014.6
52.5°	886.0	897.8	993.6	1200.4	1490.8	1986.4	3140.1	4902.8	5045.0	5187.1	5329.3
55°	714.9	720.1	822.4	1015.6	1310.5	1786.5	2877.5	5128.2	5295.7	5463.3	5630.8
57.5°	526.9	542.1	631.9	822.6	1127.4	1617.8	2543.8	5245.0	5449.0	5652.8	5856.8
60°	371.8	383.7	463.3	623.4	926.7	1440.8	2256.6	5179.8	5444.8	5709.8	5974.7
62.5°	289.6	299.0	362.6	466.7	722.5	1263.8	2050.8	4969.0	5329.5	5690.0	6050.5
65°	254.1	262.5	320.2	373.6	539.6	1083.4	1938.1	4746.2	5222.8	5699.3	6175.8
67.5°	229.6	239.7	289.7	327.0	439.6	945.3	1908.5	4605.6	5145.3	5685.0	6224.8
69°	218.6	228.7	273.5	305.0	408.3	896.2	1857.6	4384.5	4921.1	5457.8	5994.4
70°	211.8	220.2	261.7	294.0	398.1	862.2	1772.9	4108.2	4635.2	5162.2	5689.2
72.5°	196.6	200.8	237.2	268.5	369.3	697.2	1363.8	3051.2	3508.0	3964.8	4421.6
75°	173.6	178.8	212.6	243.1	288.0	432.8	863.2	1887.3	2228.3	2569.4	2910.4
77.5°	150.0	154.2	183.8	232.0	223.6	270.2	515.8	1050.4	1248.1	1445.9	1643.7
80°	120.3	125.4	151.6	230.4	184.6	210.0	371.0	734.4	787.8	841.1	894.5
82.5°	88.1	92.4	118.6	186.4	141.5	158.4	282.9	622.6	641.1	659.7	678.2
85°	44.9	45.8	75.4	113.5	89.8	82.2	159.3	426.0	437.9	449.8	461.6
87.5°	7.6	7.6	17.0	19.5	22.0	13.6	20.3	72.8	75.1	77.4	79.7
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: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2985.1	2984.7	2983.2	2983.5	2984.6	2984.0	2985.0	2985.2	2986.3	2983.0	2982.4
5°	3021.0	3020.6	3020.5	3020.4	3021.0	3020.9	3021.5	3022.9	3022.5	3020.5	3020.2
7.5°	3081.5	3081.6	3082.5	3081.7	3083.3	3082.5	3080.8	3083.5	3085.4	3085.6	3087.4
10°	3161.6	3162.6	3165.6	3165.1	3168.1	3167.6	3168.1	3170.9	3173.0	3173.3	3175.4
12.5°	3255.3	3257.0	3258.6	3260.1	3263.3	3261.5	3265.5	3267.2	3269.7	3274.8	3272.2
15°	3343.8	3345.2	3349.7	3350.0	3352.9	3354.1	3357.8	3359.4	3360.0	3364.1	3364.7
17.5°	3404.8	3405.3	3407.0	3406.1	3408.6	3407.8	3410.3	3411.7	3413.9	3416.1	3420.0
20°	3432.7	3431.0	3430.1	3429.2	3427.4	3424.8	3425.6	3426.8	3427.1	3429.2	3432.0
22.5°	3437.0	3432.0	3426.8	3423.3	3418.1	3413.8	3409.5	3409.8	3410.2	3409.7	3411.7
25°	3437.4	3430.2	3422.2	3412.5	3405.2	3395.5	3387.4	3386.8	3384.4	3384.6	3385.6
27.5°	3452.6	3444.6	3433.4	3422.0	3406.6	3393.6	3380.6	3376.1	3371.5	3368.6	3367.4
30°	3489.6	3480.2	3466.7	3452.4	3435.6	3415.3	3396.8	3391.0	3384.4	3378.6	3373.8
32.5°	3548.7	3539.1	3524.2	3509.3	3486.8	3466.7	3448.4	3439.1	3429.8	3419.7	3410.3
35°	3643.1	3637.8	3624.7	3611.5	3595.0	3579.3	3562.8	3552.3	3536.8	3528.8	3517.3
37.5°	3777.4	3781.3	3781.4	3783.0	3777.9	3770.3	3758.4	3747.5	3742.4	3721.2	3707.7
40°	3975.0	3995.2	4013.8	4028.1	4040.8	4053.4	4064.3	4057.8	4059.8	4054.3	4046.2
42.5°	4226.4	4269.7	4309.3	4348.8	4377.4	4422.0	4453.1	4462.9	4488.0	4497.9	4516.1
45°	4513.6	4582.7	4649.1	4710.4	4767.5	4831.4	4893.6	4939.8	4990.3	5047.6	5104.8
47.5°	4810.9	4905.0	5002.9	5082.9	5165.5	5259.9	5342.5	5412.1	5503.0	5587.0	5679.5
50°	5133.5	5252.3	5363.7	5462.3	5568.7	5677.5	5790.6	5892.9	6015.6	6150.1	6295.6
52.5°	5471.4	5613.6	5742.5	5866.3	5991.1	6115.7	6236.2	6380.7	6532.0	6709.5	6891.3
55°	5798.4	5966.0	6112.2	6249.9	6392.8	6532.2	6656.4	6849.7	7035.3	7247.2	7484.6
57.5°	6060.6	6264.5	6433.2	6596.7	6757.8	6906.2	7058.7	7276.8	7513.4	7761.1	8062.1
60°	6239.7	6504.7	6720.0	6916.6	7114.2	7300.7	7476.2	7761.2	8042.7	8350.6	8725.4
62.5°	6411.0	6771.5	7052.4	7320.6	7587.1	7826.5	8044.7	8403.2	8771.0	9151.4	9597.2
65°	6652.4	7129.0	7542.7	7916.6	8285.4	8637.3	8963.8	9418.0	9882.3	10383.1	10915.2
67.5°	6764.5	7304.3	7843.1	8347.1	8815.5	9261.0	9680.4	10229.5	10776.0	11356.4	11999.5
69°	6531.0	7067.6	7643.5	8194.0	8711.5	9184.1	9638.0	10198.6	10766.9	11359.6	12008.3
70°	6216.2	6743.1	7324.5	7899.9	8394.8	8887.2	9357.6	9913.8	10489.5	11083.8	11762.8
72.5°	4878.5	5335.3	5902.2	6460.7	6957.3	7451.5	7908.3	8477.5	9056.9	9681.2	10324.1
75°	3251.4	3592.5	4014.8	4532.9	4988.3	5425.1	5867.8	6349.2	6914.5	7429.0	8017.2
77.5°	1841.5	2039.3	2284.7	2621.6	2948.3	3209.8	3525.6	3752.0	4080.2	4363.5	4662.8
80°	947.9	1001.2	1074.4	1155.3	1201.3	1194.1	1241.0	1194.5	1204.9	1166.9	1126.5
82.5°	696.8	715.4	748.5	764.6	763.0	709.8	653.1	574.5	505.2	432.5	365.8
85°	473.5	485.4	493.7	506.2	502.6	479.6	428.6	360.4	293.8	235.7	188.6
87.5°	82.0	84.3	83.7	90.7	91.0	84.5	69.5	59.3	49.9	37.3	26.2
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: P148776

CATALOG NUMBER: VXS-F06-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2981.7	2981.8	2983.4	2981.7	2981.7	2981.7	2980.8	2982.6	2981.7	2979.1	2976.6
5°	3020.6	3018.1	3017.3	3019.0	3020.7	3017.3	3019.8	3022.4	3018.1	3019.0	3017.3
7.5°	3085.9	3085.0	3084.2	3085.9	3086.0	3085.0	3085.9	3083.4	3081.6	3084.2	3086.7
10°	3173.1	3172.3	3174.0	3174.0	3177.4	3175.6	3174.9	3177.4	3175.7	3174.0	3174.8
12.5°	3275.6	3273.1	3277.3	3277.4	3279.8	3279.9	3279.0	3279.9	3279.0	3276.5	3274.8
15°	3367.1	3363.8	3364.6	3371.4	3370.5	3372.2	3372.2	3370.6	3369.7	3368.8	3369.6
17.5°	3422.2	3420.5	3420.4	3423.9	3426.4	3425.6	3425.6	3425.6	3424.8	3425.6	3427.3
20°	3432.4	3432.4	3433.2	3436.6	3440.8	3438.3	3438.3	3440.0	3438.3	3440.0	3440.8
22.5°	3412.9	3414.6	3416.2	3420.5	3421.4	3421.4	3421.4	3422.2	3423.8	3423.8	3425.6
25°	3385.8	3387.5	3390.0	3393.4	3396.8	3396.8	3396.8	3398.5	3398.4	3399.3	3400.2
27.5°	3365.4	3367.1	3369.6	3373.0	3377.3	3377.3	3377.2	3379.0	3379.0	3379.8	3381.6
30°	3368.0	3364.6	3367.2	3368.8	3371.4	3371.4	3370.5	3371.4	3372.2	3372.2	3373.1
32.5°	3404.4	3396.8	3394.2	3393.4	3394.2	3391.8	3390.8	3389.2	3387.4	3387.4	3386.6
35°	3501.0	3489.1	3488.2	3481.5	3474.7	3468.0	3468.8	3463.7	3465.4	3461.2	3457.7
37.5°	3699.2	3685.6	3694.1	3679.8	3670.4	3663.6	3656.0	3645.8	3639.8	3647.5	3647.5
40°	4054.1	4044.8	4042.3	4044.8	4036.4	4040.5	4022.0	4016.8	4005.8	4013.4	4023.6
42.5°	4544.5	4538.6	4570.8	4576.8	4580.2	4585.2	4588.6	4560.7	4559.8	4553.9	4536.9
45°	5150.2	5185.8	5184.1	5223.0	5224.8	5212.9	5218.0	5205.3	5200.2	5181.6	5204.5
47.5°	5772.8	5840.6	5866.0	5874.5	5906.7	5914.3	5883.8	5873.6	5891.4	5860.9	5865.2
50°	6441.2	6514.0	6573.3	6613.1	6636.0	6637.7	6614.8	6609.8	6625.8	6568.2	6595.3
52.5°	7098.5	7208.6	7320.4	7379.8	7422.1	7425.4	7443.2	7422.1	7430.6	7417.0	7444.1
55°	7746.4	7937.1	8068.4	8184.4	8258.2	8321.7	8327.6	8350.4	8352.1	8380.1	8352.1
57.5°	8380.1	8587.7	8816.4	9022.2	9136.6	9208.6	9276.3	9368.6	9389.0	9377.9	9395.8
60°	9128.0	9449.2	9760.0	9997.2	10194.6	10383.4	10485.1	10630.0	10652.8	10715.5	10661.2
62.5°	10073.4	10539.4	10961.2	11280.5	11580.4	11874.3	12096.2	12208.1	12275.8	12407.2	12363.9
65°	11523.6	12082.6	12641.0	13098.4	13518.4	13868.4	14205.4	14366.4	14544.2	14730.6	14764.6
67.5°	12718.0	13410.0	14039.4	14596.8	15105.8	15494.6	15845.4	16124.0	16341.0	16478.2	16489.2
69°	12772.2	13491.4	14174.9	14773.0	15304.1	15717.5	16086.8	16396.8	16607.8	16748.4	16785.7
70°	12513.0	13249.2	13977.6	14581.6	15125.4	15548.1	15939.4	16235.0	16470.5	16613.7	16663.6
72.5°	11055.2	11841.2	12619.8	13149.1	13704.8	14208.0	14521.4	14823.0	15155.0	15198.2	15335.4
75°	8714.7	9375.4	9979.3	10384.3	10848.5	11300.0	11607.4	11687.2	11860.8	12079.2	12001.3
77.5°	5050.2	5253.6	5643.2	5743.2	5658.5	5855.0	5920.2	5781.3	5774.5	5902.5	5648.3
80°	1119.0	1055.4	1135.1	1075.8	1077.5	1079.2	1061.4	1054.6	1067.3	1054.6	1036.8
82.5°	310.0	299.9	301.5	298.2	304.1	299.8	297.3	304.1	303.3	302.4	308.3
85°	149.2	147.4	144.9	144.0	140.6	136.4	129.6	129.6	133.0	128.0	130.5
87.5°	19.4	18.6	18.6	22.1	19.5	16.0	16.0	16.0	15.2	15.2	15.2
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)