

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: STREETWORKS

Report Number: P158025

Luminaire Tested: **VST-F06-LED-E-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158025
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-RW
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15431.1 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Medium - 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: 28.75 FT

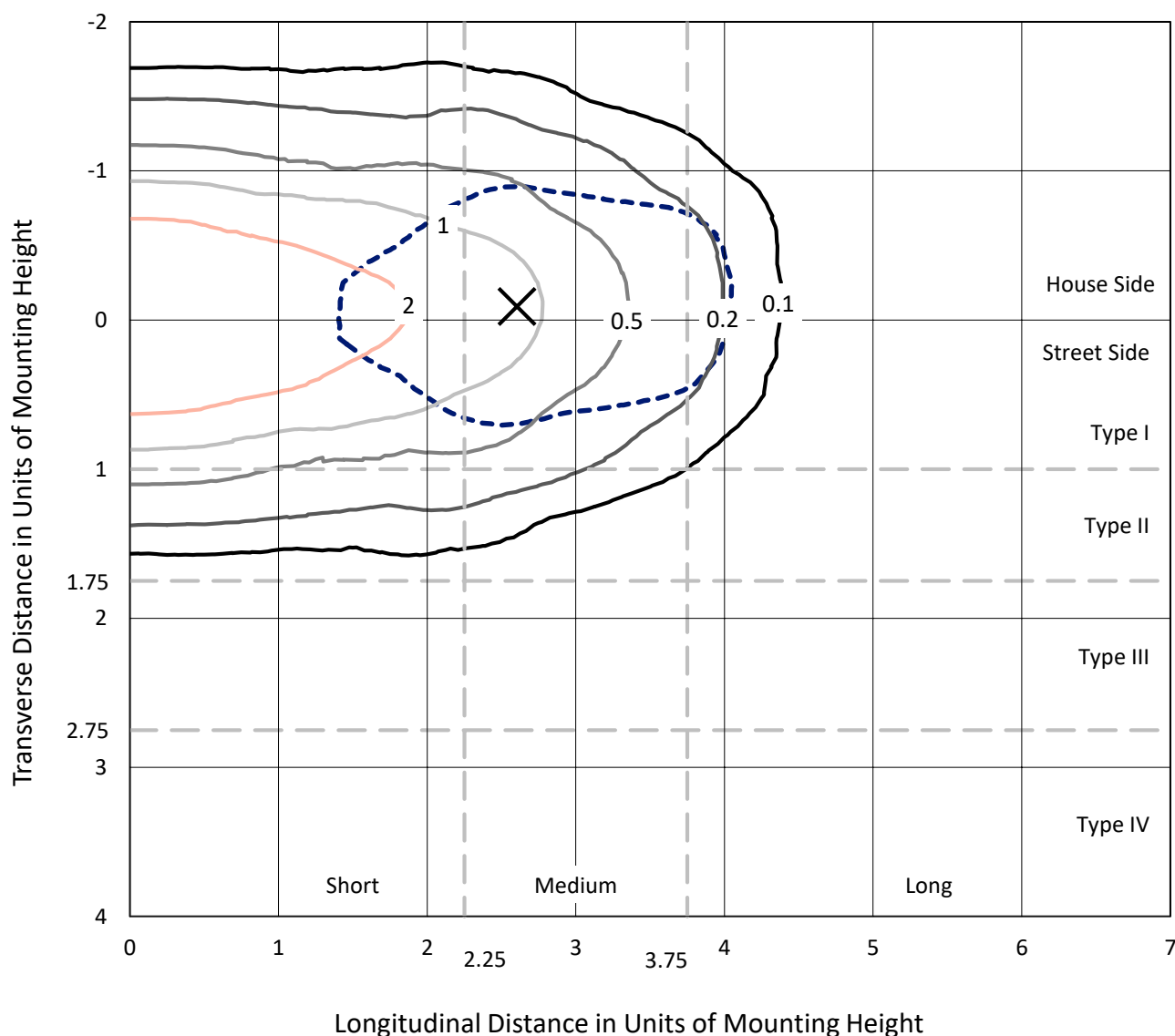


REPORT NUMBER: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

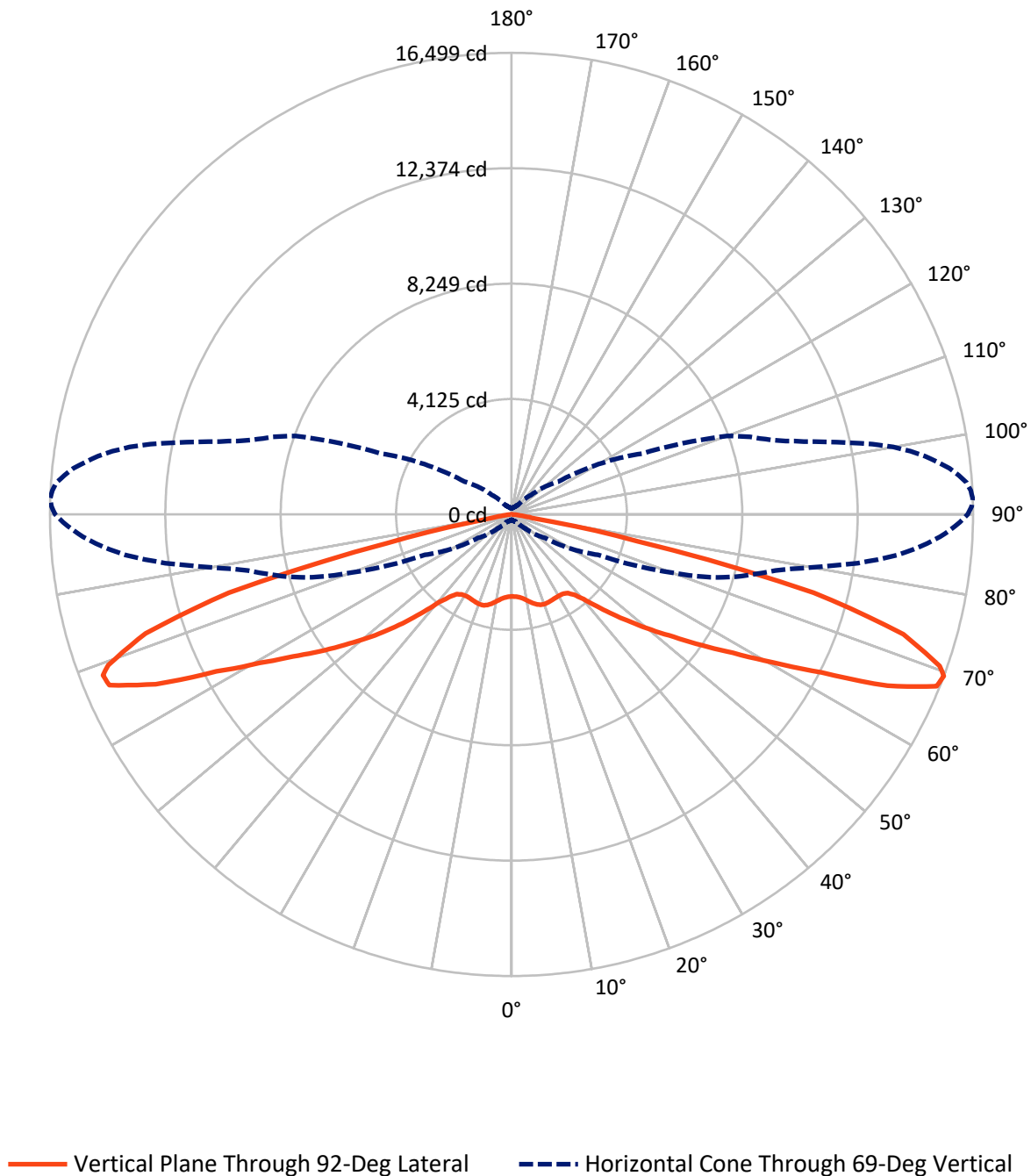


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type I - Medium - Full Cutoff

REPORT NUMBER: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

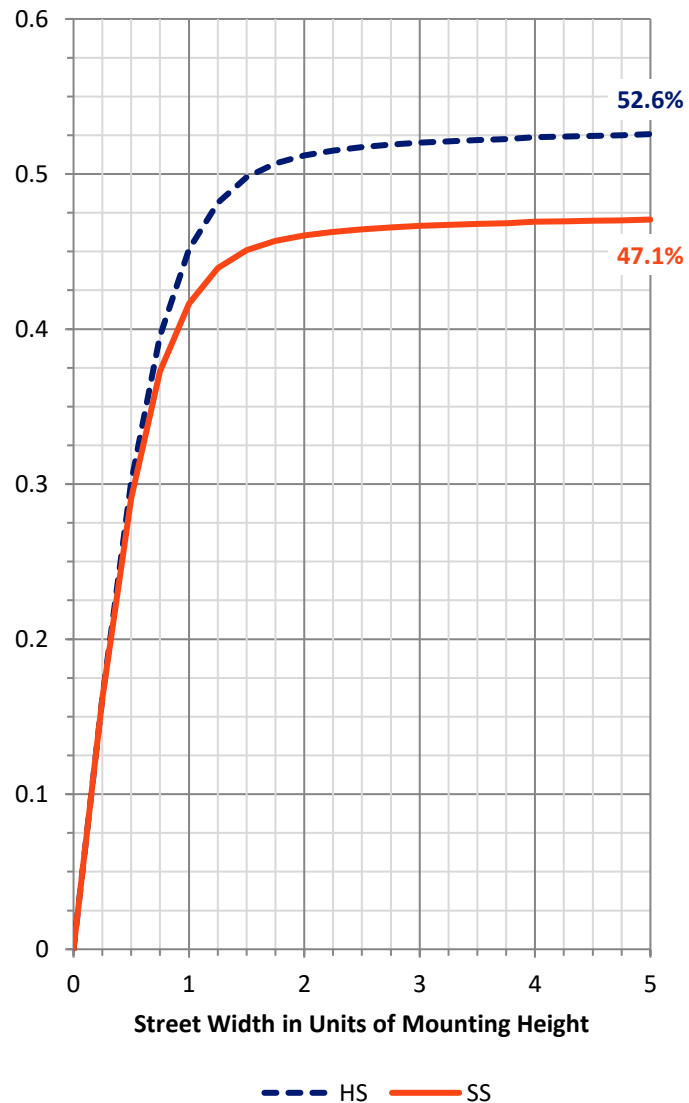
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8183.9	0.0	8183.9
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	7247.2	0.0	7247.2
	% Fixture	47.0	0.0	47.0
Total	Lumens	15431.1	0.0	15431.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	1.9
10°-20°	906.1	5.9
20°-30°	1470.0	9.5
30°-40°	1832.1	11.9
40°-50°	2281.1	14.8
50°-60°	2813.2	18.2
60°-70°	3493.8	22.6
70°-80°	2146.7	13.9
80°-90°	201.2	1.3
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°	15431.1	100.0
0°-180°	15431.1	100.0

Coefficient of Utilization



REPORT NUMBER: P158025

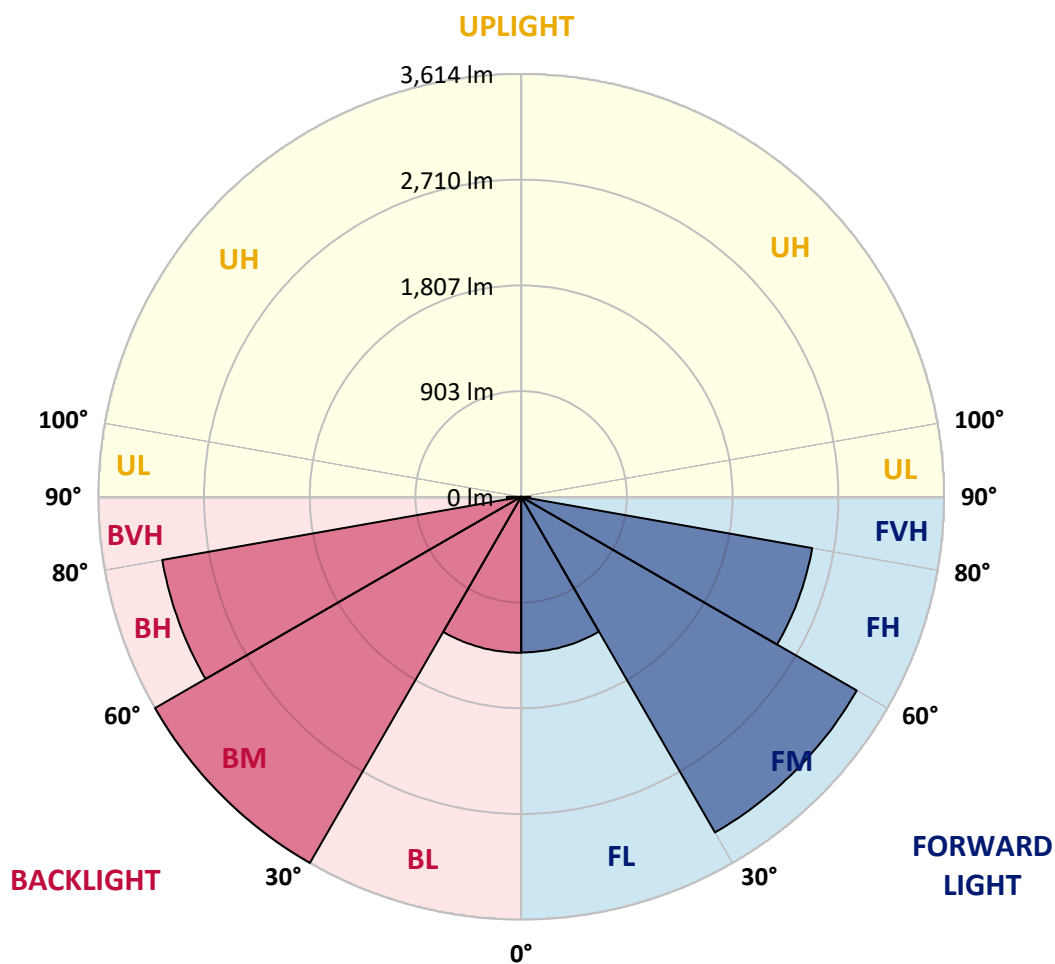
CATALOG NUMBER: VST-F06-LED-E-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1330.1	8.6			
FM	(30°-60°)	3312.5	21.5			
FH	(60°-80°)	2525.9	16.4			G2/5000
FVH	(80°-90°)	78.8	0.5			G1/100
BL	(0°-30°)	1332.9	8.6	B3/2500		
BM	(30°-60°)	3613.9	23.4	B3/5000		
BH	(60°-80°)	3114.7	20.2	B4/5000		G4/5000
BVH	(80°-90°)	122.4	0.8			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 Medium





REPORT NUMBER: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3
2.5°	2977.8	2969.9	2976.8	2977.8	2976.8	2976.8	2967.9	2965.9	2954.1	2957.0	2956.0
5°	3018.4	3015.5	3020.4	3022.4	3024.4	3020.4	3013.5	3010.5	3002.6	2999.6	2998.6
7.5°	3056.1	3051.1	3059.1	3066.0	3071.0	3071.9	3072.9	3068.0	3068.0	3064.0	3064.0
10°	3087.8	3083.8	3096.7	3105.6	3121.5	3130.4	3140.3	3147.2	3151.2	3152.2	3151.2
12.5°	3101.7	3098.7	3119.5	3146.2	3176.0	3196.8	3221.5	3239.4	3244.3	3243.3	3248.3
15°	3077.9	3079.9	3111.6	3164.1	3227.5	3280.0	3314.6	3329.5	3333.5	3335.5	3336.4
17.5°	3013.5	3017.5	3063.0	3148.2	3259.2	3354.3	3405.8	3405.8	3397.9	3397.9	3396.9
20°	2910.5	2914.4	2973.9	3096.7	3260.2	3405.8	3479.1	3464.2	3434.5	3428.6	3422.6
22.5°	2767.8	2783.7	2849.1	2991.7	3217.6	3420.6	3524.7	3502.9	3456.3	3443.4	3434.5
25°	2606.3	2604.4	2682.6	2843.1	3114.5	3385.0	3537.5	3533.6	3484.0	3470.2	3454.3
27.5°	2422.1	2428.0	2500.3	2662.8	2957.0	3282.0	3515.7	3568.2	3527.6	3513.8	3498.9
30°	2232.9	2238.8	2307.2	2496.4	2777.7	3134.4	3471.2	3601.9	3586.1	3575.2	3565.3
32.5°	2042.7	2044.7	2125.9	2329.0	2626.2	2958.0	3403.8	3632.6	3654.4	3649.5	3645.5
35°	1864.4	1866.3	1954.5	2160.6	2476.6	2807.4	3322.6	3677.2	3747.6	3753.5	3757.5
37.5°	1691.0	1694.0	1784.1	2000.1	2329.0	2693.5	3232.4	3745.6	3878.3	3900.1	3904.1
40°	1518.6	1521.6	1607.8	1836.6	2179.4	2593.5	3163.1	3841.7	4054.6	4084.4	4115.1
42.5°	1354.2	1365.1	1438.4	1657.3	2013.0	2469.6	3133.4	3958.6	4263.7	4310.2	4344.9
45°	1200.6	1201.6	1284.8	1489.9	1815.8	2302.2	3113.5	4091.3	4497.5	4567.8	4615.3
47.5°	1036.2	1048.1	1135.3	1334.4	1631.6	2095.2	3050.1	4246.8	4752.1	4834.3	4930.4
50°	876.7	893.5	977.8	1174.9	1463.2	1881.2	2879.8	4429.1	5038.3	5145.3	5256.3
52.5°	723.2	722.2	811.3	1016.4	1293.8	1699.9	2603.4	4620.3	5369.2	5484.1	5604.0
55°	546.8	546.8	635.0	822.2	1110.5	1538.4	2307.2	4739.2	5676.3	5815.0	5945.8
57.5°	375.4	385.4	468.6	630.0	919.3	1390.8	2080.3	4670.8	5911.1	6083.5	6239.0
60°	278.4	288.3	349.7	452.7	719.2	1216.5	1909.9	4348.9	6052.7	6281.6	6483.7
62.5°	240.7	247.7	306.1	362.6	518.1	1031.2	1759.4	3939.7	6256.8	6569.9	6851.2
65°	215.0	221.9	280.3	313.0	405.2	829.2	1675.2	3705.9	6500.5	6979.0	7387.1
67.5°	199.1	207.0	256.6	280.3	353.7	749.9	1609.8	3651.5	6498.5	7079.0	7600.1
69°	191.2	197.1	237.8	263.5	341.8	726.1	1468.1	3414.7	6069.6	6692.7	7215.7
70°	186.2	192.2	226.9	252.6	337.8	683.5	1337.4	3101.7	5581.2	6208.3	6739.3
72.5°	170.4	176.3	202.1	225.9	281.3	456.7	932.2	1985.2	3988.3	4436.0	5043.3
75°	150.6	157.5	177.3	197.1	213.0	264.5	537.9	1030.3	2280.4	2620.2	3161.1
77.5°	122.8	129.8	150.6	182.3	180.3	201.1	349.7	633.0	1067.9	1324.5	1524.6
80°	101.0	106.0	123.8	184.3	147.6	168.4	283.3	519.1	751.9	831.1	878.7
82.5°	67.4	74.3	96.1	144.6	112.9	119.9	212.0	485.4	636.0	697.4	754.9
85°	31.7	34.7	58.4	77.3	68.4	64.4	120.9	342.8	473.5	502.2	524.0
87.5°	0.0	0.0	3.0	5.9	8.9	8.9	21.8	72.3	132.7	160.5	158.5
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: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3
2.5°	2952.1	2953.1	2952.1	2952.1	2951.1	2949.1	2949.1	2947.1	2948.1	2947.1	2949.1
5°	2997.6	2997.6	2994.7	2992.7	2995.7	2992.7	2993.7	2988.7	2988.7	2985.8	2981.8
7.5°	3063.0	3063.0	3064.0	3058.1	3062.0	3063.0	3060.1	3058.1	3056.1	3051.1	3052.1
10°	3150.2	3150.2	3153.2	3145.2	3149.2	3151.2	3152.2	3152.2	3150.2	3141.3	3142.3
12.5°	3247.3	3245.3	3246.3	3242.3	3246.3	3248.3	3250.3	3248.3	3248.3	3246.3	3245.3
15°	3335.5	3334.5	3336.4	3333.5	3334.5	3336.4	3342.4	3341.4	3340.4	3334.5	3334.5
17.5°	3395.9	3392.9	3390.9	3389.9	3389.9	3388.9	3389.9	3389.9	3387.0	3386.0	3386.0
20°	3418.7	3410.7	3405.8	3402.8	3398.9	3396.9	3394.9	3395.9	3393.9	3390.9	3391.9
22.5°	3422.6	3411.7	3401.8	3392.9	3385.0	3380.0	3375.1	3373.1	3368.1	3365.2	3365.2
25°	3441.4	3424.6	3408.8	3393.9	3382.0	3371.1	3360.2	3352.3	3346.3	3339.4	3337.4
27.5°	3483.1	3465.2	3446.4	3427.6	3411.7	3389.9	3375.1	3359.2	3345.4	3334.5	3326.5
30°	3547.4	3529.6	3510.8	3489.0	3468.2	3445.4	3420.6	3401.8	3382.0	3360.2	3348.3
32.5°	3632.6	3620.8	3601.9	3581.1	3562.3	3538.5	3508.8	3480.1	3461.3	3435.5	3416.7
35°	3754.5	3740.6	3734.7	3725.8	3706.9	3692.1	3659.4	3632.6	3614.8	3579.1	3565.3
37.5°	3920.9	3919.9	3924.9	3921.9	3924.9	3906.1	3891.2	3890.2	3864.4	3829.8	3796.1
40°	4147.8	4159.7	4186.4	4205.2	4223.1	4225.0	4245.8	4224.0	4227.0	4222.1	4187.4
42.5°	4406.3	4446.9	4478.6	4534.1	4576.7	4616.3	4643.1	4679.7	4707.5	4732.2	4738.2
45°	4694.6	4755.0	4828.3	4877.9	4961.1	5027.4	5118.6	5188.9	5262.2	5334.5	5360.3
47.5°	5007.6	5082.9	5164.2	5256.3	5361.3	5465.3	5606.0	5714.0	5831.8	5929.9	6017.1
50°	5353.4	5431.6	5540.6	5646.6	5791.2	5911.1	6095.3	6237.0	6427.2	6558.0	6670.9
52.5°	5714.0	5812.0	5933.9	6050.8	6198.4	6351.9	6557.0	6766.0	6994.8	7193.0	7357.4
55°	6066.6	6187.5	6304.4	6441.1	6604.5	6782.8	7014.7	7290.0	7575.3	7802.2	8020.1
57.5°	6380.6	6520.3	6658.0	6796.7	6964.1	7171.2	7431.7	7728.9	8055.8	8357.9	8657.1
60°	6671.9	6839.3	7007.7	7181.1	7373.3	7628.8	7941.9	8307.4	8730.4	9143.5	9534.8
62.5°	7132.5	7352.5	7561.5	7785.4	8017.2	8317.3	8686.8	9166.3	9651.7	10167.8	10569.0
65°	7756.6	8065.7	8339.1	8629.4	8929.5	9330.7	9772.6	10346.1	11041.6	11570.6	12214.5
67.5°	8066.7	8473.8	8825.5	9148.5	9520.0	9925.1	10450.2	11128.7	11870.7	12637.5	13355.7
69°	7702.1	8122.2	8511.5	8873.1	9248.5	9641.8	10190.6	10887.0	11671.6	12500.8	13202.1
70°	7229.6	7649.6	8064.7	8476.8	8819.6	9203.0	9753.7	10471.9	11255.5	12117.4	12812.8
72.5°	5538.6	6043.8	6419.3	6805.6	7202.9	7527.8	8163.8	8769.1	9585.3	10460.1	11225.8
75°	3543.5	4008.1	4418.2	4747.1	5135.4	5524.7	5994.3	6666.9	7178.1	7896.3	8517.4
77.5°	1820.8	1958.5	2353.7	2471.6	2741.1	2953.1	3211.6	3380.0	3796.1	3884.3	4250.8
80°	862.8	777.6	732.1	690.5	702.4	697.4	676.6	648.9	683.5	668.7	662.7
82.5°	751.9	670.7	534.9	454.7	393.3	333.8	287.3	263.5	266.5	274.4	277.4
85°	527.0	495.3	386.3	293.2	228.8	177.3	142.7	136.7	140.7	151.6	147.6
87.5°	152.6	159.5	140.7	98.1	68.4	49.5	38.6	43.6	41.6	40.6	42.6
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: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3
2.5°	2949.1	2948.1	2945.1	2942.2	2942.2	2940.2	2942.2	2943.2	2942.2	2942.2	2940.2
5°	2982.8	2983.8	2986.7	2980.8	2979.8	2980.8	2976.8	2975.9	2972.9	2975.9	2971.9
7.5°	3047.2	3050.1	3050.1	3046.2	3045.2	3048.2	3042.2	3040.2	3037.3	3036.3	3035.3
10°	3143.3	3146.2	3141.3	3138.3	3135.3	3139.3	3134.4	3134.4	3131.4	3128.4	3127.4
12.5°	3250.3	3248.3	3246.3	3248.3	3245.3	3245.3	3242.3	3240.4	3239.4	3238.4	3236.4
15°	3333.5	3340.4	3340.4	3342.4	3340.4	3340.4	3336.4	3337.4	3335.5	3334.5	3335.5
17.5°	3387.0	3388.9	3393.9	3396.9	3396.9	3397.9	3395.9	3397.9	3395.9	3395.9	3399.8
20°	3393.9	3395.9	3400.8	3405.8	3408.8	3410.7	3410.7	3413.7	3415.7	3417.7	3422.6
22.5°	3366.2	3369.1	3375.1	3384.0	3388.9	3390.9	3394.9	3399.8	3404.8	3408.8	3415.7
25°	3337.4	3338.4	3344.4	3353.3	3359.2	3364.2	3371.1	3377.1	3384.0	3391.9	3399.8
27.5°	3321.6	3320.6	3325.5	3334.5	3339.4	3346.3	3352.3	3361.2	3369.1	3379.0	3386.0
30°	3335.5	3327.5	3328.5	3332.5	3336.4	3341.4	3348.3	3356.3	3365.2	3374.1	3382.0
32.5°	3396.9	3379.0	3367.2	3364.2	3365.2	3366.2	3370.1	3375.1	3382.0	3388.9	3391.9
35°	3529.6	3498.9	3483.1	3470.2	3459.3	3450.4	3452.3	3451.4	3451.4	3457.3	3450.4
37.5°	3782.2	3743.6	3726.7	3704.0	3691.1	3658.4	3649.5	3647.5	3634.6	3634.6	3619.8
40°	4178.5	4155.7	4142.8	4122.0	4059.6	4067.5	4022.9	4023.9	3987.3	3991.2	3965.5
42.5°	4742.1	4745.1	4729.3	4715.4	4666.9	4645.1	4603.5	4544.0	4497.5	4496.5	4445.0
45°	5394.0	5429.6	5379.1	5397.0	5354.4	5295.9	5247.4	5171.1	5098.8	5076.0	5023.5
47.5°	6075.5	6134.0	6095.3	6102.3	6081.5	5998.3	5932.9	5838.8	5744.7	5681.3	5649.6
50°	6803.6	6842.3	6841.3	6822.5	6812.6	6731.3	6626.3	6555.0	6485.7	6400.5	6372.7
52.5°	7463.4	7553.6	7614.0	7600.1	7571.4	7522.8	7429.7	7368.3	7266.3	7254.4	7266.3
55°	8169.7	8286.6	8348.0	8422.3	8423.3	8414.4	8375.8	8353.0	8257.9	8268.8	8254.9
57.5°	8838.4	9009.8	9103.9	9262.4	9316.9	9389.2	9362.4	9392.2	9334.7	9372.3	9361.5
60°	9744.8	9982.6	10139.1	10356.0	10457.1	10638.4	10674.0	10695.8	10727.5	10804.8	10761.2
62.5°	10885.0	11233.7	11558.7	11853.9	11951.0	12223.4	12268.0	12438.3	12447.3	12499.8	12403.7
65°	12751.4	13176.4	13534.0	13887.6	14091.7	14410.7	14539.5	14870.3	14769.3	14811.9	14606.8
67.5°	13973.8	14468.1	14947.6	15282.4	15621.2	15947.2	16181.9	16395.9	16393.9	16352.3	16170.1
69°	13865.8	14416.6	14889.2	15337.9	15694.5	16029.4	16311.7	16450.4	16498.9	16438.5	16308.7
70°	13492.4	14058.0	14636.6	15006.1	15394.4	15761.9	16053.2	16204.7	16238.4	16195.8	16083.9
72.5°	11766.7	12309.6	12947.5	13283.4	13752.9	14018.4	14419.6	14615.8	14650.4	14595.9	14522.6
75°	9183.1	9281.2	9931.1	10145.0	10485.8	10791.9	11041.6	10978.2	11155.5	11120.8	11093.1
77.5°	4326.1	4064.6	4485.6	4681.7	4578.7	4304.3	4703.5	4415.2	4606.4	4855.1	4791.7
80°	713.3	711.3	730.1	771.7	722.2	766.7	765.8	744.0	745.9	799.4	771.7
82.5°	274.4	280.3	283.3	291.2	291.2	292.2	297.2	303.1	298.2	308.1	306.1
85°	148.6	158.5	149.6	142.7	147.6	150.6	154.5	159.5	154.5	169.4	161.5
87.5°	38.6	40.6	35.7	35.7	34.7	31.7	31.7	33.7	36.7	43.6	47.6
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: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3
2.5°	2936.2	2937.2	2938.2	2935.2	2933.3	2933.3	2932.3	2930.3	2929.3	2929.3	2929.3
5°	2969.9	2971.9	2966.9	2965.9	2964.0	2962.0	2962.0	2960.0	2961.0	2961.0	2956.0
7.5°	3037.3	3034.3	3028.4	3024.4	3028.4	3021.4	3018.4	3020.4	3018.4	3019.4	3017.5
10°	3127.4	3127.4	3120.5	3124.4	3119.5	3111.6	3114.5	3111.6	3109.6	3102.7	3106.6
12.5°	3239.4	3236.4	3232.4	3223.5	3220.5	3219.5	3210.6	3211.6	3208.7	3206.7	3203.7
15°	3337.4	3336.4	3327.5	3322.6	3321.6	3317.6	3313.7	3311.7	3306.7	3305.7	3303.8
17.5°	3402.8	3399.8	3395.9	3390.9	3390.9	3385.0	3383.0	3378.0	3377.1	3374.1	3371.1
20°	3424.6	3425.6	3421.6	3417.7	3415.7	3411.7	3408.8	3404.8	3402.8	3398.9	3395.9
22.5°	3419.7	3419.7	3415.7	3414.7	3410.7	3404.8	3400.8	3395.9	3390.9	3386.0	3380.0
25°	3403.8	3402.8	3399.8	3394.9	3389.9	3381.0	3373.1	3365.2	3358.2	3352.3	3343.4
27.5°	3389.9	3388.0	3382.0	3375.1	3365.2	3355.3	3340.4	3329.5	3320.6	3312.7	3302.8
30°	3385.0	3378.0	3369.1	3358.2	3346.3	3331.5	3315.6	3301.8	3291.9	3283.9	3280.0
32.5°	3390.9	3382.0	3368.1	3354.3	3339.4	3321.6	3305.7	3293.8	3284.9	3282.9	3282.9
35°	3445.4	3430.6	3411.7	3391.9	3373.1	3358.2	3347.3	3346.3	3340.4	3347.3	3358.2
37.5°	3604.9	3592.0	3563.3	3537.5	3524.7	3517.7	3507.8	3509.8	3495.9	3517.7	3535.6
40°	3943.7	3927.8	3894.2	3873.4	3847.6	3822.8	3842.7	3836.7	3846.6	3842.7	3861.5
42.5°	4438.0	4422.2	4368.7	4360.8	4349.9	4339.9	4339.9	4332.0	4328.1	4341.9	4326.1
45°	5039.3	5007.6	4987.8	5011.6	4978.9	4988.8	5023.5	4976.9	4987.8	4923.4	4864.0
47.5°	5663.4	5660.5	5655.5	5684.2	5689.2	5704.0	5722.9	5675.3	5589.1	5540.6	5419.7
50°	6381.6	6412.3	6424.2	6452.0	6463.9	6474.8	6445.0	6374.7	6229.1	6100.3	5957.6
52.5°	7254.4	7200.9	7274.2	7300.9	7289.1	7245.5	7138.5	7052.3	6851.2	6665.9	6445.0
55°	8270.8	8283.6	8232.1	8211.3	8170.7	8049.9	7902.3	7708.1	7453.5	7211.8	6932.4
57.5°	9306.0	9301.0	9220.8	9107.9	8970.2	8824.5	8604.6	8326.2	8029.1	7704.1	7366.3
60°	10565.1	10560.1	10397.7	10204.5	10008.3	9773.6	9428.8	9094.0	8695.7	8268.8	7866.6
62.5°	12219.4	12006.4	11846.9	11558.7	11255.5	10948.4	10481.9	10037.1	9505.1	8966.2	8496.6
65°	14339.4	13988.7	13807.4	13389.4	12919.8	12440.3	11965.8	11381.3	10665.1	10013.3	9439.7
67.5°	15907.5	15586.6	15254.7	14837.7	14322.5	13787.6	13137.7	12401.7	11588.4	10857.3	10232.2
69°	16045.2	15745.1	15346.8	14928.8	14441.4	13859.9	13150.6	12326.4	11502.2	10762.2	10147.0
70°	15836.2	15517.2	15098.2	14663.3	14118.5	13569.6	12826.7	11967.8	11142.6	10400.6	9800.3
72.5°	14277.0	13965.9	13520.1	13000.0	12441.3	11971.8	11266.4	10370.9	9473.4	8787.9	8320.3
75°	10856.3	10788.0	10471.9	10168.8	9729.0	9204.9	8560.0	7957.7	7221.7	6496.6	6060.7
77.5°	4632.2	4789.7	4954.1	4977.9	4993.8	4832.3	4732.2	4580.7	4088.3	3864.4	3633.6
80°	855.9	764.8	816.3	822.2	855.9	873.7	939.1	1113.5	1133.3	1175.9	1228.4
82.5°	304.1	309.1	317.0	320.0	322.9	334.8	379.4	454.7	523.1	612.2	731.1
85°	172.4	175.3	182.3	188.2	192.2	204.1	228.8	273.4	340.8	442.8	600.3
87.5°	52.5	59.4	63.4	71.3	74.3	76.3	87.2	116.9	150.6	222.9	324.9
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: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3	2931.3
2.5°	2929.3	2928.3	2926.3	2924.3	2925.3	2923.3	2917.4	2915.4	2908.5	2903.5	2899.6
5°	2956.0	2955.0	2951.1	2952.1	2951.1	2941.2	2934.2	2922.4	2915.4	2904.5	2900.6
7.5°	3011.5	3010.5	3003.6	3006.6	3004.6	2989.7	2977.8	2959.0	2949.1	2935.2	2924.3
10°	3094.7	3094.7	3086.8	3087.8	3087.8	3068.0	3047.2	3015.5	2992.7	2970.9	2952.1
12.5°	3195.8	3191.8	3190.8	3185.9	3181.9	3160.1	3128.4	3085.8	3043.2	3007.6	2981.8
15°	3297.8	3291.9	3288.9	3282.9	3278.0	3258.2	3215.6	3163.1	3105.6	3048.2	3005.6
17.5°	3364.2	3360.2	3354.3	3352.3	3345.4	3325.5	3295.8	3243.3	3172.0	3091.8	3027.4
20°	3388.9	3382.0	3378.0	3374.1	3370.1	3356.3	3356.3	3322.6	3243.3	3130.4	3032.3
22.5°	3373.1	3369.1	3363.2	3360.2	3356.3	3358.2	3396.9	3391.9	3300.8	3139.3	2996.7
25°	3336.4	3331.5	3326.5	3326.5	3325.5	3346.3	3439.5	3452.3	3317.6	3095.7	2918.4
27.5°	3298.8	3291.9	3293.8	3294.8	3299.8	3344.4	3486.0	3468.2	3272.1	2990.7	2783.7
30°	3276.0	3276.0	3281.0	3288.9	3298.8	3377.1	3522.7	3432.5	3154.2	2832.2	2605.4
32.5°	3285.9	3295.8	3306.7	3326.5	3341.4	3449.4	3535.6	3340.4	2982.8	2636.1	2419.1
35°	3374.1	3386.0	3406.8	3437.5	3455.3	3553.4	3535.6	3205.7	2783.7	2467.7	2226.9
37.5°	3566.3	3578.2	3602.9	3626.7	3644.5	3684.2	3520.7	3034.3	2617.2	2293.3	2054.6
40°	3875.3	3892.2	3910.0	3906.1	3894.2	3855.5	3491.0	2874.8	2463.7	2140.8	1885.2
42.5°	4310.2	4294.4	4292.4	4253.8	4214.1	4048.7	3469.2	2770.8	2331.9	1980.3	1716.8
45°	4812.5	4748.1	4681.7	4630.2	4569.8	4260.7	3463.2	2686.6	2186.3	1802.0	1533.5
47.5°	5317.7	5214.7	5085.9	5005.7	4907.6	4486.6	3481.1	2573.7	1999.1	1607.8	1362.1
50°	5813.0	5644.6	5485.1	5389.0	5278.1	4746.1	3509.8	2383.5	1775.2	1431.5	1205.6
52.5°	6271.7	6054.7	5891.3	5778.3	5642.6	5048.3	3484.0	2133.8	1581.0	1262.1	1057.0
55°	6707.6	6467.8	6298.4	6179.5	6020.1	5351.4	3297.8	1907.0	1395.8	1096.6	889.6
57.5°	7088.9	6859.1	6682.8	6521.3	6386.6	5614.9	2930.3	1719.7	1217.5	907.4	708.3
60°	7534.7	7276.2	7067.2	6894.8	6736.3	5750.6	2518.2	1553.3	1027.3	702.4	512.2
62.5°	8136.0	7838.9	7597.1	7400.0	7193.0	5780.3	2236.8	1386.9	815.3	508.2	372.5
65°	9027.6	8661.1	8358.9	8087.5	7807.2	5657.5	2098.2	1205.6	606.3	377.4	312.0
67.5°	9735.9	9355.5	9005.8	8657.1	8298.5	5429.6	2067.4	1038.2	465.6	321.0	280.3
69°	9649.7	9287.2	8966.2	8588.8	8191.5	5143.4	2036.7	973.8	425.0	298.2	265.5
70°	9317.9	8974.1	8648.2	8341.1	7854.7	4824.4	1955.5	938.1	409.1	287.3	254.6
72.5°	7873.5	7475.3	7159.3	6776.9	6264.7	3585.1	1483.0	758.8	375.4	262.5	229.8
75°	5742.7	5412.8	5097.8	4674.8	4176.5	2074.4	923.3	433.9	275.4	237.8	208.0
77.5°	3353.3	3279.0	2974.9	2696.5	2203.2	1056.0	530.0	259.5	214.0	216.0	183.3
80°	1262.1	1344.3	1375.0	1278.9	1181.8	729.1	385.4	211.0	186.2	213.0	155.5
82.5°	920.3	1067.9	1085.7	1040.2	967.8	679.6	308.1	169.4	151.6	228.8	133.7
85°	767.7	850.0	862.8	815.3	791.5	575.6	215.0	118.9	111.0	164.4	100.1
87.5°	388.3	409.1	420.0	380.4	382.4	268.5	86.2	50.5	60.4	70.3	55.5
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: P158025

CATALOG NUMBER: VST-F06-LED-E-U-RW

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	2931.3	2931.3
2.5°	2890.7	2896.6
5°	2894.6	2894.6
7.5°	2917.4	2917.4
10°	2942.2	2943.2
12.5°	2965.0	2964.0
15°	2982.8	2979.8
17.5°	2993.7	2990.7
20°	2982.8	2977.8
22.5°	2927.3	2913.4
25°	2826.3	2808.4
27.5°	2692.5	2680.6
30°	2518.2	2500.3
32.5°	2314.1	2305.2
35°	2119.0	2108.1
37.5°	1940.6	1937.7
40°	1790.1	1774.2
42.5°	1613.7	1606.8
45°	1434.4	1430.5
47.5°	1266.0	1262.1
50°	1110.5	1102.6
52.5°	957.9	945.1
55°	788.5	779.6
57.5°	605.3	597.3
60°	426.0	417.1
62.5°	303.1	293.2
65°	252.6	244.7
67.5°	228.8	219.9
69°	217.9	210.0
70°	211.0	205.1
72.5°	196.1	192.2
75°	179.3	176.3
77.5°	157.5	152.6
80°	131.8	126.8
82.5°	111.0	106.0
85°	74.3	67.4
87.5°	33.7	29.7
90°	0.0	0.0

(END OF REPORT)