

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: P158019

Luminaire Tested: **VST-E06-LED-E-U-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158019
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-E06-LED-E-U-RW-7030
Description: VENTUS LED SITE/ROADWAY 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: 17072.8 lumens
Efficiency: N/A
Efficacy: 113.4 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): 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: 28.75 FT

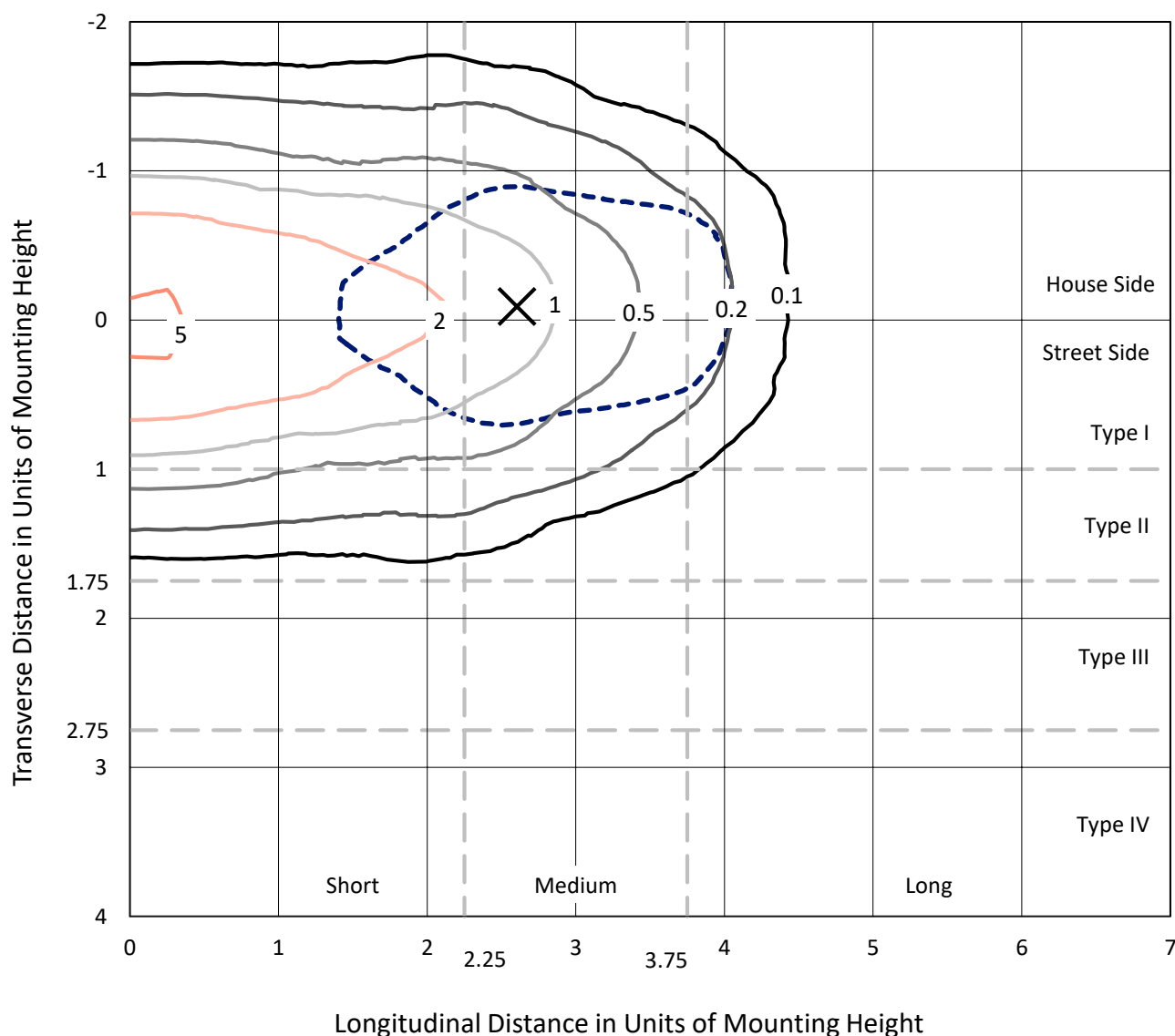


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

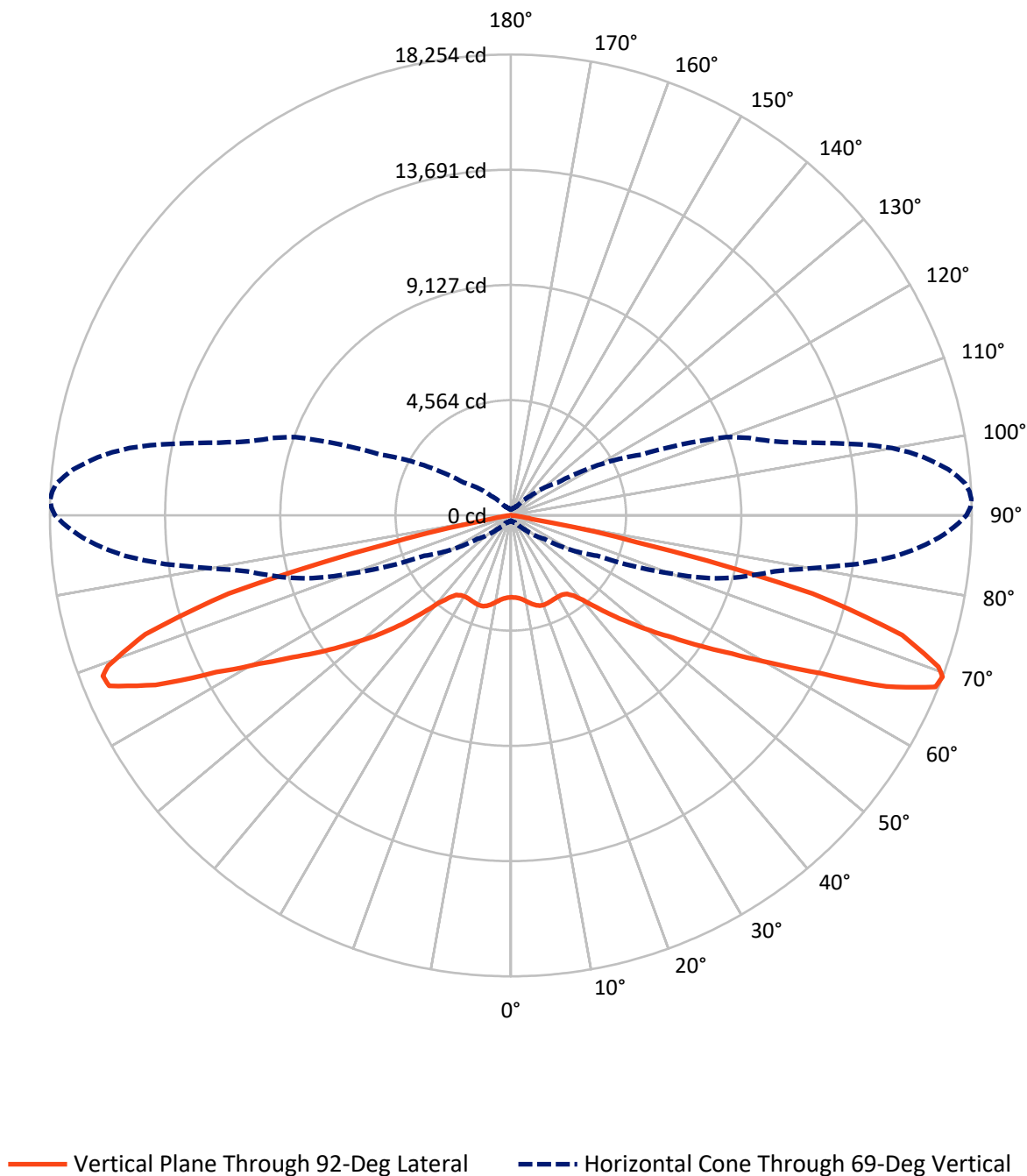


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9054.6	0.0	9054.6
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	8018.2	0.0	8018.2
	% Fixture	47.0	0.0	47.0
Total	Lumens	17072.8	0.0	17072.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.3	1.9
10°-20°	1002.5	5.9
20°-30°	1626.4	9.5
30°-40°	2027.0	11.9
40°-50°	2523.8	14.8
50°-60°	3112.5	18.2
60°-70°	3865.5	22.6
70°-80°	2375.1	13.9
80°-90°	222.6	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°	17072.8	100.0
0°-180°	17072.8	100.0

Coefficient of Utilization



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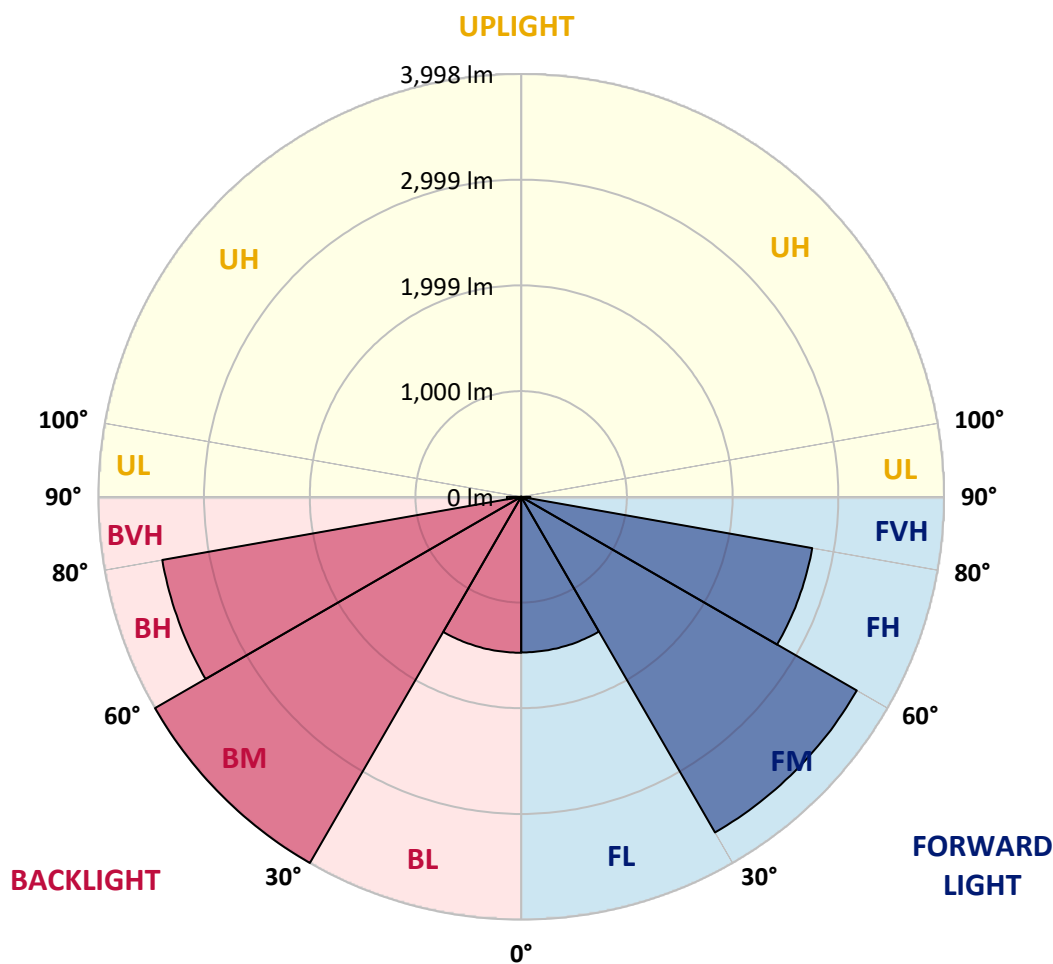
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1471.6	8.6			
FM	(30°-60°)	3664.9	21.5			
FH	(60°-80°)	2794.6	16.4			G2/5000
FVH	(80°-90°)	87.2	0.5			G1/100
BL	(0°-30°)	1474.7	8.6	B3/2500		
BM	(30°-60°)	3998.4	23.4	B3/5000		
BH	(60°-80°)	3446.0	20.2	B4/5000		G4/5000
BVH	(80°-90°)	135.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1
2.5°	3294.6	3285.9	3293.5	3294.6	3293.5	3293.5	3283.7	3281.5	3268.3	3271.6	3270.5
5°	3339.6	3336.3	3341.8	3344.0	3346.2	3341.8	3334.1	3330.8	3322.0	3318.7	3317.7
7.5°	3381.2	3375.7	3384.5	3392.2	3397.7	3398.8	3399.9	3394.4	3394.4	3390.0	3390.0
10°	3416.3	3411.9	3426.2	3436.0	3453.6	3463.4	3474.4	3482.1	3486.4	3487.5	3486.4
12.5°	3431.6	3428.4	3451.4	3481.0	3513.8	3536.9	3564.3	3584.0	3589.5	3588.4	3593.9
15°	3405.3	3407.5	3442.6	3500.7	3570.8	3628.9	3667.3	3683.7	3688.1	3690.3	3691.4
17.5°	3334.1	3338.5	3388.9	3483.2	3605.9	3711.1	3768.1	3768.1	3759.4	3759.4	3758.3
20°	3220.1	3224.5	3290.3	3426.2	3607.0	3768.1	3849.2	3832.8	3799.9	3793.3	3786.8
22.5°	3062.3	3079.8	3152.2	3310.0	3559.9	3784.6	3899.6	3875.5	3824.0	3809.8	3799.9
25°	2883.6	2881.4	2968.0	3145.6	3445.9	3745.1	3913.9	3909.5	3854.7	3839.4	3821.8
27.5°	2679.8	2686.3	2766.4	2946.1	3271.6	3631.1	3889.8	3947.9	3902.9	3887.6	3871.1
30°	2470.4	2477.0	2552.6	2762.0	3073.2	3467.8	3840.5	3985.1	3967.6	3955.5	3944.6
32.5°	2260.0	2262.2	2352.1	2576.7	2905.6	3272.7	3765.9	4019.1	4043.2	4037.7	4033.4
35°	2062.7	2064.9	2162.4	2390.4	2740.1	3106.1	3676.1	4068.4	4146.2	4152.8	4157.2
37.5°	1870.9	1874.2	1973.9	2212.9	2576.7	2980.1	3576.3	4144.1	4290.9	4315.0	4319.4
40°	1680.2	1683.5	1778.8	2032.0	2411.2	2869.4	3499.6	4250.4	4486.0	4518.9	4552.9
42.5°	1498.3	1510.3	1591.4	1833.6	2227.1	2732.4	3466.7	4379.7	4717.3	4768.8	4807.1
45°	1328.4	1329.5	1421.5	1648.4	2009.0	2547.2	3444.8	4526.6	4975.9	5053.8	5106.4
47.5°	1146.4	1159.6	1256.0	1476.3	1805.1	2318.1	3374.6	4698.6	5257.6	5348.6	5454.9
50°	970.0	988.6	1081.8	1299.9	1618.8	2081.3	3186.1	4900.3	5574.4	5692.7	5815.5
52.5°	800.1	799.0	897.6	1124.5	1431.4	1880.8	2880.3	5111.8	5940.4	6067.6	6200.2
55°	605.0	605.0	702.5	909.7	1228.6	1702.1	2552.6	5243.4	6280.2	6433.6	6578.3
57.5°	415.4	426.4	518.4	697.1	1017.1	1538.8	2301.6	5167.7	6540.0	6730.7	6902.7
60°	308.0	318.9	386.9	500.9	795.7	1345.9	2113.1	4811.5	6696.7	6949.9	7173.5
62.5°	266.3	274.0	338.7	401.1	573.2	1141.0	1946.5	4358.9	6922.5	7268.8	7580.1
65°	237.8	245.5	310.2	346.3	448.3	917.4	1853.4	4100.2	7192.1	7721.5	8173.0
67.5°	220.3	229.1	283.9	310.2	391.3	829.7	1781.0	4039.9	7189.9	7832.2	8408.7
69°	211.5	218.1	263.0	291.5	378.1	803.4	1624.3	3778.0	6715.3	7404.7	7983.4
70°	206.1	212.6	251.0	279.5	373.7	756.3	1479.6	3431.6	6175.0	6868.8	7456.2
72.5°	188.5	195.1	223.6	249.9	311.3	505.3	1031.4	2196.4	4412.6	4908.0	5579.8
75°	166.6	174.3	196.2	218.1	235.6	292.6	595.1	1139.9	2523.0	2899.0	3497.4
77.5°	135.9	143.6	166.6	201.7	199.5	222.5	386.9	700.4	1181.5	1465.4	1686.8
80°	111.8	117.3	137.0	203.9	163.3	186.3	313.5	574.3	831.9	919.6	972.2
82.5°	74.5	82.2	106.3	160.0	124.9	132.6	234.5	537.0	703.6	771.6	835.2
85°	35.1	38.4	64.7	85.5	75.6	71.2	133.7	379.2	523.9	555.7	579.8
87.5°	0.0	0.0	3.3	6.6	9.9	9.9	24.1	80.0	146.9	177.6	175.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1
2.5°	3266.1	3267.2	3266.1	3266.1	3265.0	3262.9	3262.9	3260.7	3261.8	3260.7	3262.9
5°	3316.6	3316.6	3313.3	3311.1	3314.4	3311.1	3312.2	3306.7	3306.7	3303.4	3299.0
7.5°	3388.9	3388.9	3390.0	3383.4	3387.8	3388.9	3385.6	3383.4	3381.2	3375.7	3376.8
10°	3485.3	3485.3	3488.6	3479.9	3484.2	3486.4	3487.5	3487.5	3485.3	3475.5	3476.6
12.5°	3592.8	3590.6	3591.7	3587.3	3591.7	3593.9	3596.0	3593.9	3593.9	3591.7	3590.6
15°	3690.3	3689.2	3691.4	3688.1	3689.2	3691.4	3698.0	3696.9	3695.8	3689.2	3689.2
17.5°	3757.2	3753.9	3751.7	3750.6	3750.6	3749.5	3750.6	3750.6	3747.3	3746.2	3746.2
20°	3782.4	3773.6	3768.1	3764.8	3760.4	3758.3	3756.1	3757.2	3755.0	3751.7	3752.8
22.5°	3786.8	3774.7	3763.7	3753.9	3745.1	3739.6	3734.1	3731.9	3726.5	3723.2	3723.2
25°	3807.6	3788.9	3771.4	3755.0	3741.8	3729.8	3717.7	3708.9	3702.4	3694.7	3692.5
27.5°	3853.6	3833.9	3813.1	3792.2	3774.7	3750.6	3734.1	3716.6	3701.3	3689.2	3680.4
30°	3924.8	3905.1	3884.3	3860.2	3837.2	3812.0	3784.6	3763.7	3741.8	3717.7	3704.5
32.5°	4019.1	4006.0	3985.1	3962.1	3941.3	3915.0	3882.1	3850.3	3829.5	3801.0	3780.2
35°	4153.9	4138.6	4132.0	4122.1	4101.3	4084.9	4048.7	4019.1	3999.4	3959.9	3944.6
37.5°	4338.0	4337.0	4342.4	4339.1	4342.4	4321.6	4305.2	4304.1	4275.6	4237.2	4200.0
40°	4589.0	4602.2	4631.8	4652.6	4672.3	4674.5	4697.5	4673.4	4676.7	4671.2	4632.9
42.5°	4875.1	4920.0	4955.1	5016.5	5063.6	5107.5	5137.0	5177.6	5208.3	5235.7	5242.3
45°	5194.0	5260.9	5342.0	5396.8	5488.9	5562.3	5663.1	5741.0	5822.1	5902.1	5930.6
47.5°	5540.4	5623.7	5713.6	5815.5	5931.7	6046.7	6202.4	6321.8	6452.3	6560.8	6657.2
50°	5922.9	6009.5	6130.0	6247.3	6407.3	6540.0	6743.8	6900.5	7111.0	7255.7	7380.6
52.5°	6321.8	6430.4	6565.2	6694.5	6857.8	7027.7	7254.6	7485.8	7739.0	7958.2	8140.1
55°	6712.0	6845.7	6975.1	7126.3	7307.2	7504.5	7760.9	8065.6	8381.3	8632.3	8873.4
57.5°	7059.5	7214.0	7366.4	7519.8	7705.0	7934.1	8222.3	8551.2	8912.8	9247.1	9578.1
60°	7381.7	7566.9	7753.2	7945.1	8157.7	8440.5	8786.8	9191.2	9659.2	10116.3	10549.2
62.5°	7891.3	8134.7	8365.9	8613.6	8870.1	9202.2	9611.0	10141.5	10678.5	11249.6	11693.4
65°	8581.8	8923.8	9226.3	9547.4	9879.5	10323.4	10812.2	11446.8	12216.2	12801.5	13513.9
67.5°	8924.9	9375.4	9764.4	10121.7	10532.8	10981.0	11561.9	12312.7	13133.6	13981.9	14776.5
69°	8521.6	8986.3	9417.0	9817.1	10232.4	10667.6	11274.8	12045.3	12913.3	13830.7	14606.7
70°	7998.8	8463.5	8922.7	9378.6	9757.9	10182.0	10791.4	11586.0	12453.0	13406.5	14175.9
72.5°	6127.9	6686.8	7102.2	7529.7	7969.2	8328.7	9032.3	9702.0	10605.1	11572.9	12420.1
75°	3920.5	4434.5	4888.3	5252.1	5681.8	6112.5	6632.0	7376.2	7941.8	8736.4	9423.6
77.5°	2014.5	2166.8	2604.1	2734.6	3032.7	3267.2	3553.3	3739.6	4200.0	4297.5	4703.0
80°	954.6	860.4	810.0	763.9	777.1	771.6	748.6	717.9	756.3	739.8	733.2
82.5°	831.9	742.0	591.9	503.1	435.1	369.4	317.8	291.5	294.8	303.6	306.9
85°	583.1	548.0	427.4	324.4	253.2	196.2	157.8	151.3	155.6	167.7	163.3
87.5°	168.8	176.5	155.6	108.5	75.6	54.8	42.7	48.2	46.0	44.9	47.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1
2.5°	3262.9	3261.8	3258.5	3255.2	3255.2	3253.0	3255.2	3256.3	3255.2	3255.2	3253.0
5°	3300.1	3301.2	3304.5	3297.9	3296.8	3297.9	3293.5	3292.4	3292.4	3292.4	3288.1
7.5°	3371.4	3374.6	3374.6	3370.3	3369.2	3372.5	3365.9	3363.7	3360.4	3359.3	3358.2
10°	3477.7	3481.0	3475.5	3472.2	3468.9	3473.3	3467.8	3467.8	3464.5	3461.2	3460.1
12.5°	3596.0	3593.9	3591.7	3593.9	3590.6	3590.6	3587.3	3585.1	3584.0	3582.9	3580.7
15°	3688.1	3695.8	3695.8	3698.0	3695.8	3695.8	3691.4	3692.5	3690.3	3689.2	3690.3
17.5°	3747.3	3749.5	3755.0	3758.3	3758.3	3759.4	3757.2	3759.4	3757.2	3757.2	3761.5
20°	3755.0	3757.2	3762.6	3768.1	3771.4	3773.6	3773.6	3776.9	3779.1	3781.3	3786.8
22.5°	3724.3	3727.6	3734.1	3744.0	3749.5	3751.7	3756.1	3761.5	3767.0	3771.4	3779.1
25°	3692.5	3693.6	3700.2	3710.0	3716.6	3722.1	3729.8	3736.3	3744.0	3752.8	3761.5
27.5°	3675.0	3673.9	3679.3	3689.2	3694.7	3702.4	3708.9	3718.8	3727.6	3738.5	3746.2
30°	3690.3	3681.5	3682.6	3687.0	3691.4	3696.9	3704.5	3713.3	3723.2	3733.0	3741.8
32.5°	3758.3	3738.5	3725.4	3722.1	3723.2	3724.3	3728.7	3734.1	3741.8	3749.5	3752.8
35°	3905.1	3871.1	3853.6	3839.4	3827.3	3817.4	3819.6	3818.5	3818.5	3825.1	3817.4
37.5°	4184.6	4141.9	4123.2	4098.0	4083.8	4047.6	4037.7	4035.5	4021.3	4021.3	4004.9
40°	4623.0	4597.8	4583.6	4560.5	4491.5	4500.3	4450.9	4452.0	4411.5	4415.9	4387.4
42.5°	5246.6	5249.9	5232.4	5217.1	5163.4	5139.2	5093.2	5027.4	4975.9	4974.8	4917.8
45°	5967.8	6007.3	5951.4	5971.1	5924.0	5859.3	5805.6	5721.2	5641.2	5616.0	5557.9
47.5°	6721.9	6786.6	6743.8	6751.5	6728.5	6636.4	6564.1	6459.9	6355.8	6285.7	6250.6
50°	7527.5	7570.2	7569.1	7548.3	7537.3	7447.5	7331.3	7252.4	7175.6	7081.4	7050.7
52.5°	8257.4	8357.2	8424.0	8408.7	8376.9	8323.2	8220.2	8152.2	8039.3	8026.2	8039.3
55°	9038.9	9168.2	9236.2	9318.4	9319.5	9309.6	9266.9	9241.6	9136.4	9148.5	9133.1
57.5°	9778.7	9968.3	10072.4	10247.8	10308.1	10388.1	10358.5	10391.4	10327.8	10369.4	10357.4
60°	10781.6	11044.6	11217.8	11457.8	11569.6	11770.2	11809.6	11833.7	11868.8	11954.3	11906.1
62.5°	12043.1	12428.9	12788.4	13115.0	13222.4	13523.8	13573.1	13761.6	13771.5	13829.6	13723.3
65°	14108.0	14578.2	14973.8	15365.1	15590.9	15943.8	16086.3	16452.4	16340.6	16387.7	16160.8
67.5°	15460.5	16007.4	16537.9	16908.3	17283.1	17643.7	17903.5	18140.2	18138.0	18092.0	17890.3
69°	15341.0	15950.4	16473.2	16969.7	17364.3	17734.7	18047.1	18200.5	18254.2	18187.4	18043.8
70°	14927.8	15553.6	16193.7	16602.5	17032.2	17438.8	17761.0	17928.7	17966.0	17918.8	17795.0
72.5°	13018.5	13619.1	14325.0	14696.5	15216.1	15509.8	15953.7	16170.7	16209.0	16148.8	16067.7
75°	10160.1	10268.6	10987.6	11224.3	11601.4	11940.0	12216.2	12146.1	12342.3	12303.9	12273.2
77.5°	4786.3	4497.0	4962.8	5179.8	5065.8	4762.2	5203.9	4885.0	5096.5	5371.6	5301.5
80°	789.1	786.9	807.8	853.8	799.0	848.3	847.2	823.1	825.3	884.5	853.8
82.5°	303.6	310.2	313.5	322.2	322.2	323.3	328.8	335.4	329.9	340.9	338.7
85°	164.4	175.4	165.5	157.8	163.3	166.6	171.0	176.5	171.0	187.4	178.7
87.5°	42.7	44.9	39.5	39.5	38.4	35.1	35.1	37.3	40.6	48.2	52.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VST-E06-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1
2.5°	3248.6	3249.7	3250.8	3247.5	3245.3	3245.3	3244.2	3242.0	3240.9	3240.9	3240.9
5°	3285.9	3288.1	3282.6	3281.5	3279.3	3277.1	3277.1	3274.9	3276.0	3276.0	3270.5
7.5°	3360.4	3357.1	3350.5	3346.2	3350.5	3342.9	3339.6	3341.8	3339.6	3340.7	3338.5
10°	3460.1	3460.1	3452.5	3456.8	3451.4	3442.6	3445.9	3442.6	3440.4	3432.7	3437.1
12.5°	3584.0	3580.7	3576.3	3566.5	3563.2	3562.1	3552.2	3553.3	3550.0	3547.8	3544.5
15°	3692.5	3691.4	3681.5	3676.1	3675.0	3670.6	3666.2	3664.0	3658.5	3657.4	3655.2
17.5°	3764.8	3761.5	3757.2	3751.7	3751.7	3745.1	3742.9	3737.4	3736.3	3733.0	3729.8
20°	3788.9	3790.0	3785.7	3781.3	3779.1	3774.7	3771.4	3767.0	3764.8	3760.4	3757.2
22.5°	3783.5	3783.5	3779.1	3778.0	3773.6	3767.0	3762.6	3757.2	3751.7	3746.2	3739.6
25°	3765.9	3764.8	3761.5	3756.1	3750.6	3740.7	3731.9	3723.2	3715.5	3708.9	3699.1
27.5°	3750.6	3748.4	3741.8	3734.1	3723.2	3712.2	3695.8	3683.7	3673.9	3665.1	3654.1
30°	3745.1	3737.4	3727.6	3715.5	3702.4	3685.9	3668.4	3653.0	3642.1	3633.3	3628.9
32.5°	3751.7	3741.8	3726.5	3711.1	3694.7	3675.0	3657.4	3644.3	3634.4	3632.2	3632.2
35°	3812.0	3795.5	3774.7	3752.8	3731.9	3715.5	3703.5	3702.4	3695.8	3703.5	3715.5
37.5°	3988.4	3974.2	3942.4	3913.9	3899.6	3892.0	3881.0	3883.2	3867.9	3892.0	3911.7
40°	4363.3	4345.7	4308.5	4285.4	4256.9	4229.5	4251.5	4244.9	4255.8	4251.5	4272.3
42.5°	4910.2	4892.6	4833.4	4824.7	4812.6	4801.7	4801.7	4792.9	4788.5	4803.9	4786.3
45°	5575.5	5540.4	5518.5	5544.8	5508.6	5519.6	5557.9	5506.4	5518.5	5447.2	5381.5
47.5°	6265.9	6262.7	6257.2	6289.0	6294.4	6310.9	6331.7	6279.1	6183.7	6130.0	5996.3
50°	7060.6	7094.5	7107.7	7138.4	7151.5	7163.6	7130.7	7052.9	6891.8	6749.3	6591.5
52.5°	8026.2	7967.0	8048.1	8077.7	8064.5	8016.3	7897.9	7802.6	7580.1	7375.1	7130.7
55°	9150.7	9164.9	9107.9	9084.9	9040.0	8906.3	8743.0	8528.1	8246.5	7979.0	7670.0
57.5°	10296.0	10290.5	10201.8	10076.8	9924.5	9763.3	9520.0	9212.1	8883.2	8523.8	8150.0
60°	11689.1	11683.6	11503.8	11290.1	11073.1	10813.3	10431.9	10061.5	9620.9	9148.5	8703.5
62.5°	13519.4	13283.8	13107.3	12788.4	12453.0	12113.2	11597.0	11104.9	10516.3	9920.1	9400.6
65°	15864.9	15476.9	15276.3	14813.8	14294.3	13763.8	13238.8	12592.2	11799.8	11078.6	10444.0
67.5°	17599.9	17244.8	16877.6	16416.2	15846.3	15254.4	14535.4	13721.1	12821.2	12012.4	11320.8
69°	17752.2	17420.1	16979.5	16517.0	15977.8	15334.4	14549.7	13637.8	12725.9	11907.2	11226.5
70°	17521.0	17168.1	16704.4	16223.3	15620.5	15013.3	14191.3	13241.0	12328.0	11507.1	10842.9
72.5°	15795.8	15451.7	14958.5	14383.1	13764.9	13245.4	12465.0	11474.2	10481.2	9722.8	9205.5
75°	12011.3	11935.7	11586.0	11250.6	10764.0	10184.2	9470.7	8804.3	7990.0	7187.7	6705.5
77.5°	5125.0	5299.3	5481.2	5507.5	5525.0	5346.4	5235.7	5068.0	4523.3	4275.6	4020.2
80°	947.0	846.1	903.1	909.7	947.0	966.7	1039.0	1231.9	1253.8	1301.0	1359.1
82.5°	336.5	342.0	350.7	354.0	357.3	370.5	419.8	503.1	578.7	677.3	808.9
85°	190.7	194.0	201.7	208.2	212.6	225.8	253.2	302.5	377.0	489.9	664.2
87.5°	58.1	65.8	70.1	78.9	82.2	84.4	96.4	129.3	166.6	246.6	359.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VST-E06-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1	3243.1
2.5°	3240.9	3239.8	3237.6	3235.5	3236.5	3234.4	3227.8	3225.6	3217.9	3212.4	3208.1
5°	3270.5	3269.4	3265.0	3266.1	3265.0	3254.1	3246.4	3233.3	3225.6	3213.5	3209.1
7.5°	3331.9	3330.8	3323.1	3326.4	3324.2	3307.8	3294.6	3273.8	3262.9	3247.5	3235.5
10°	3424.0	3424.0	3415.2	3416.3	3416.3	3394.4	3371.4	3336.3	3311.1	3287.0	3266.1
12.5°	3535.8	3531.4	3530.3	3524.8	3520.4	3496.3	3461.2	3414.1	3367.0	3327.5	3299.0
15°	3648.7	3642.1	3638.8	3632.2	3626.7	3604.8	3557.7	3499.6	3436.0	3372.5	3325.3
17.5°	3722.1	3717.7	3711.1	3708.9	3701.3	3679.3	3646.5	3588.4	3509.5	3420.7	3349.4
20°	3749.5	3741.8	3737.4	3733.0	3728.7	3713.3	3713.3	3676.1	3588.4	3463.4	3354.9
22.5°	3731.9	3727.6	3721.0	3717.7	3713.3	3715.5	3758.3	3752.8	3651.9	3473.3	3315.5
25°	3691.4	3685.9	3680.4	3680.4	3679.3	3702.4	3805.4	3819.6	3670.6	3425.1	3228.9
27.5°	3649.7	3642.1	3644.3	3645.4	3650.8	3700.2	3856.9	3837.2	3620.2	3308.9	3079.8
30°	3624.5	3624.5	3630.0	3638.8	3649.7	3736.3	3897.4	3797.7	3489.7	3133.5	2882.5
32.5°	3635.5	3646.5	3658.5	3680.4	3696.9	3816.3	3911.7	3695.8	3300.1	2916.5	2676.5
35°	3733.0	3746.2	3769.2	3803.2	3822.9	3931.4	3911.7	3546.7	3079.8	2730.2	2463.9
37.5°	3945.7	3958.8	3986.2	4012.5	4032.3	4076.1	3895.3	3357.1	2895.7	2537.3	2273.1
40°	4287.6	4306.3	4326.0	4321.6	4308.5	4265.7	3862.4	3180.7	2725.8	2368.5	2085.7
42.5°	4768.8	4751.2	4749.1	4706.3	4662.5	4479.4	3838.3	3065.6	2580.0	2190.9	1899.4
45°	5324.5	5253.2	5179.8	5122.8	5055.9	4714.0	3831.7	2972.4	2418.9	1993.7	1696.6
47.5°	5883.4	5769.5	5627.0	5538.2	5429.7	4963.9	3851.4	2847.5	2211.8	1778.8	1507.0
50°	6431.4	6245.1	6068.7	5962.4	5839.6	5251.0	3883.2	2637.0	1964.1	1583.7	1333.9
52.5°	6938.9	6698.9	6518.0	6393.1	6242.9	5585.3	3854.7	2360.8	1749.2	1396.3	1169.5
55°	7421.2	7155.9	6968.5	6837.0	6660.5	5920.7	3648.7	2109.8	1544.3	1213.3	984.2
57.5°	7843.1	7588.8	7393.8	7215.1	7066.0	6212.2	3242.0	1902.7	1347.0	1004.0	783.7
60°	8336.3	8050.3	7819.0	7628.3	7452.9	6362.4	2786.1	1718.6	1136.6	777.1	566.6
62.5°	9001.6	8672.8	8405.4	8187.3	7958.2	6395.3	2474.8	1534.4	902.0	562.3	412.1
65°	9988.0	9582.5	9248.2	8947.9	8637.7	6259.4	2321.4	1333.9	670.8	417.6	345.2
67.5°	10771.7	10350.8	9963.9	9578.1	9181.4	6007.3	2287.4	1148.6	515.1	355.1	310.2
69°	10676.3	10275.2	9920.1	9502.5	9063.0	5690.5	2253.4	1077.4	470.2	329.9	293.7
70°	10309.2	9928.8	9568.3	9228.5	8690.3	5337.6	2163.5	1037.9	452.7	317.8	281.7
72.5°	8711.2	8270.6	7920.9	7497.9	6931.2	3966.5	1640.7	839.6	415.4	290.4	254.3
75°	6353.6	5988.7	5640.1	5172.1	4620.8	2295.1	1021.5	480.1	304.7	263.0	230.2
77.5°	3710.0	3627.8	3291.3	2983.4	2437.5	1168.4	586.4	287.2	236.7	238.9	202.8
80°	1396.3	1487.3	1521.3	1415.0	1307.6	806.7	426.4	233.5	206.1	235.6	172.1
82.5°	1018.2	1181.5	1201.2	1150.8	1070.8	751.9	340.9	187.4	167.7	253.2	148.0
85°	849.4	940.4	954.6	902.0	875.7	636.8	237.8	131.5	122.8	181.9	110.7
87.5°	429.6	452.7	464.7	420.9	423.1	297.0	95.4	55.9	66.9	77.8	61.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VST-E06-LED-E-U-RW-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	3243.1	3243.1
2.5°	3198.2	3204.8
5°	3202.6	3202.6
7.5°	3227.8	3227.8
10°	3255.2	3256.3
12.5°	3280.4	3279.3
15°	3300.1	3296.8
17.5°	3312.2	3308.9
20°	3300.1	3294.6
22.5°	3238.7	3223.4
25°	3126.9	3107.2
27.5°	2979.0	2965.8
30°	2786.1	2766.4
32.5°	2560.3	2550.4
35°	2344.4	2332.3
37.5°	2147.1	2143.8
40°	1980.5	1963.0
42.5°	1785.4	1777.7
45°	1587.0	1582.7
47.5°	1400.7	1396.3
50°	1228.6	1219.9
52.5°	1059.9	1045.6
55°	872.4	862.6
57.5°	669.7	660.9
60°	471.3	461.4
62.5°	335.4	324.4
65°	279.5	270.7
67.5°	253.2	243.3
69°	241.1	232.4
70°	233.5	226.9
72.5°	217.0	212.6
75°	198.4	195.1
77.5°	174.3	168.8
80°	145.8	140.3
82.5°	122.8	117.3
85°	82.2	74.5
87.5°	37.3	32.9
90°	0.0	0.0

(END OF REPORT)