

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: P158018

Luminaire Tested: **VST-E06-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158018
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-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15776.3 lumens
Efficiency: N/A
Efficacy: 104.8 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

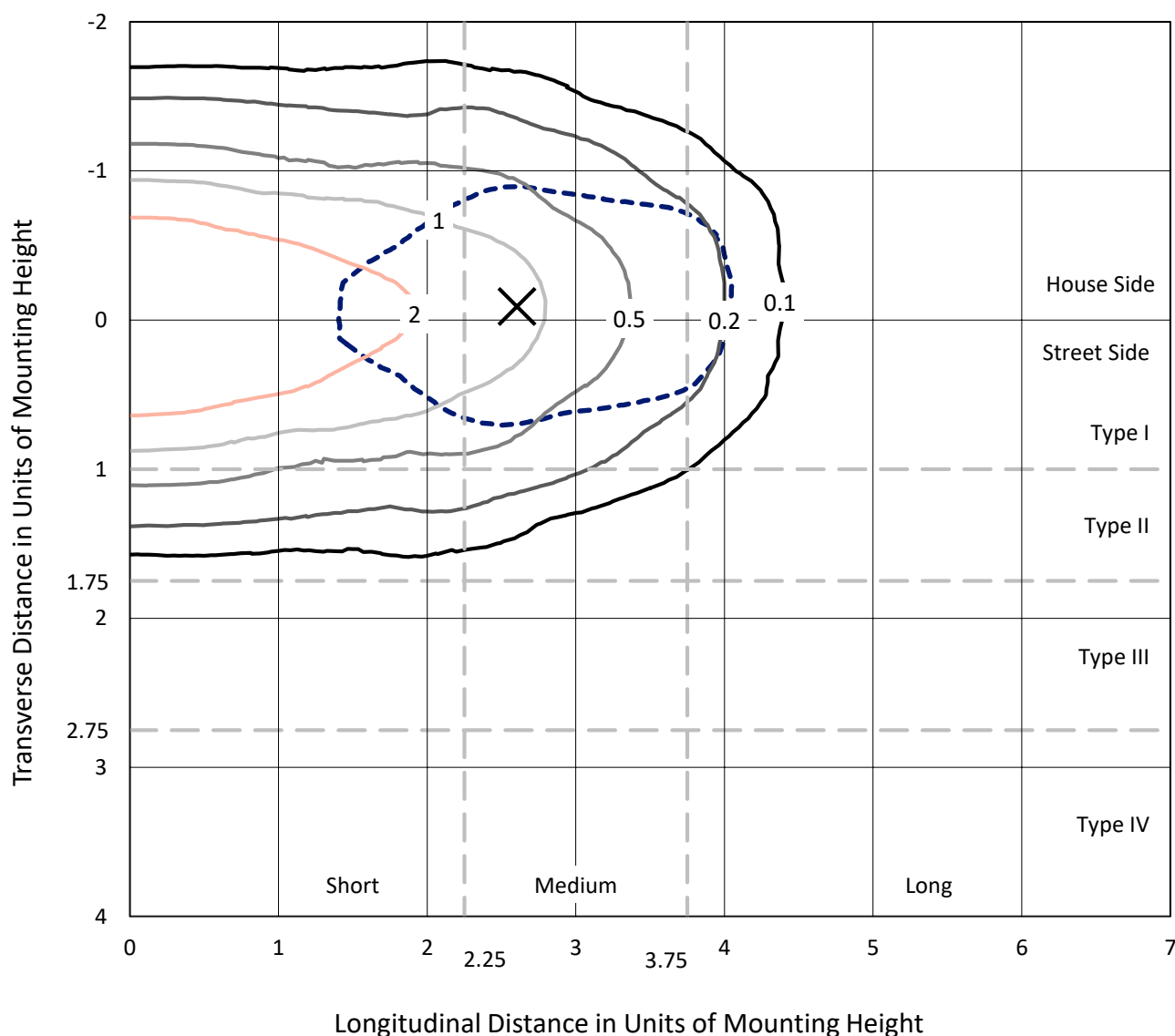


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

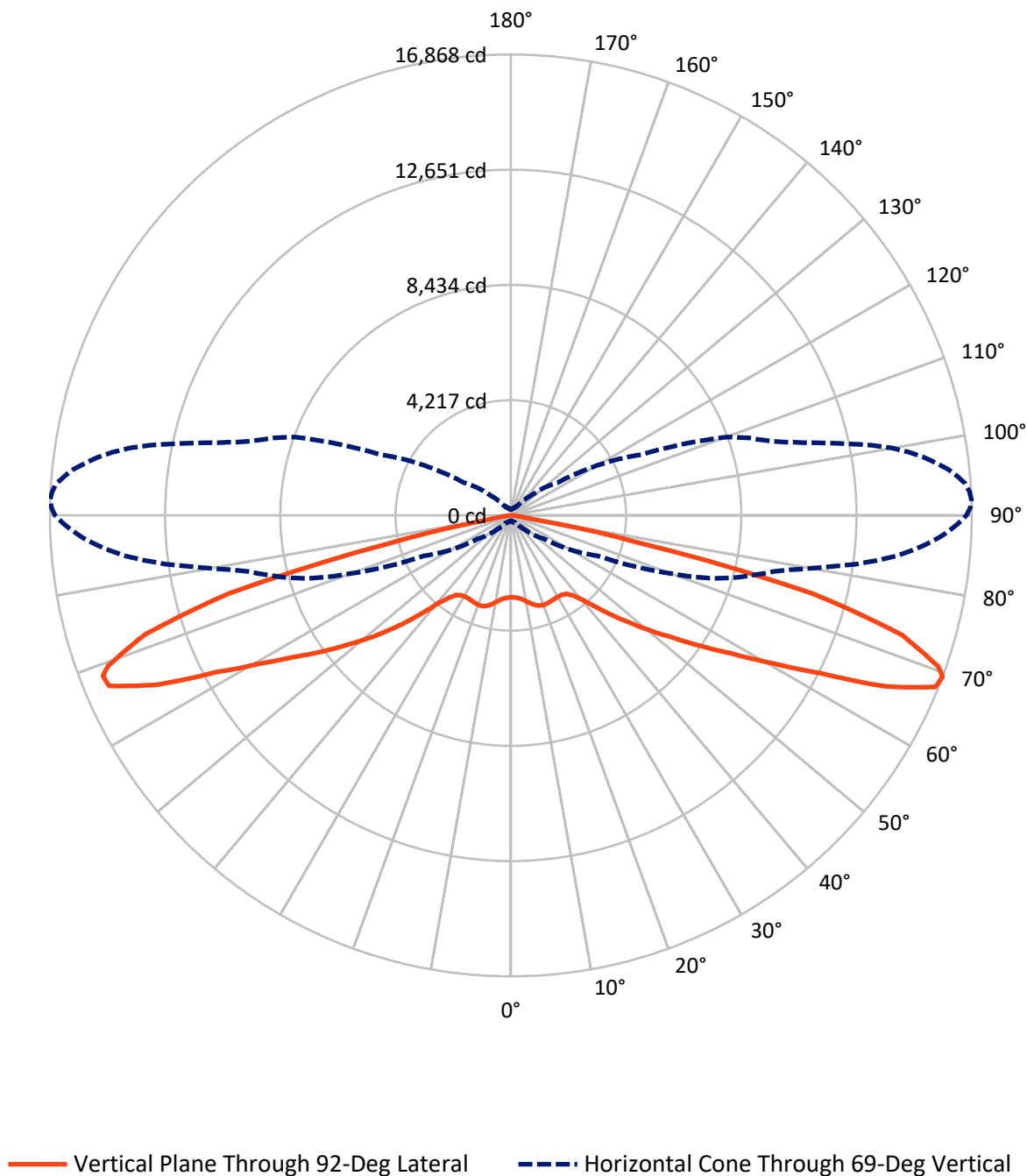


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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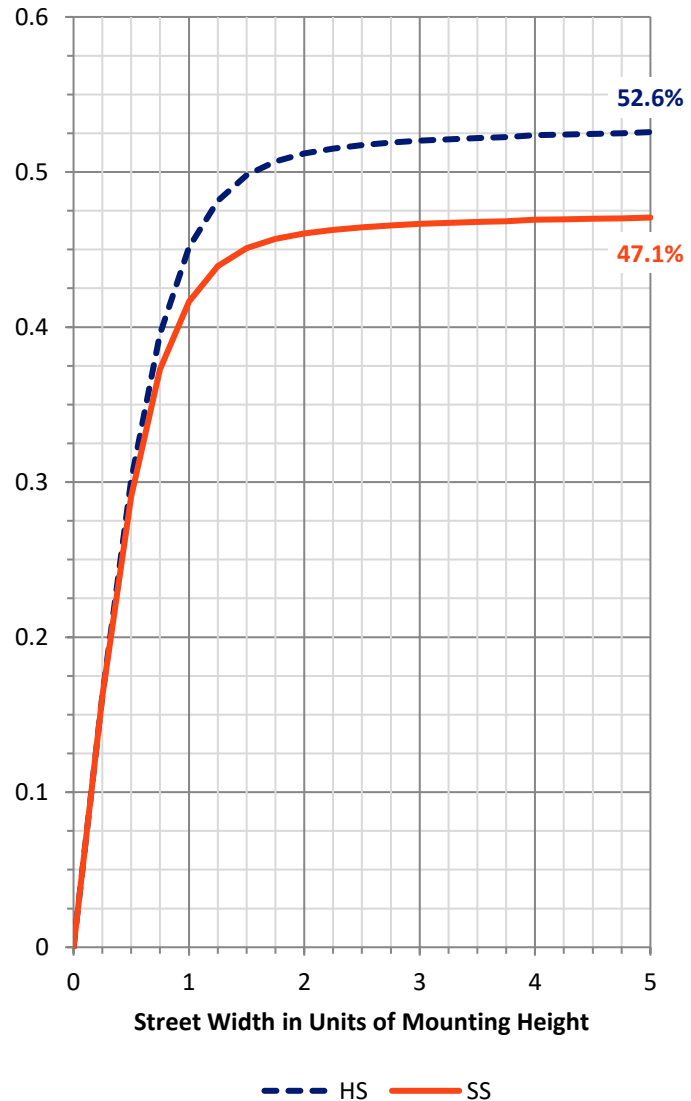
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8367.0	0.0	8367.0
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	7409.3	0.0	7409.3
	% Fixture	47.0	0.0	47.0
Total	Lumens	15776.3	0.0	15776.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	1.9
10°-20°	926.4	5.9
20°-30°	1502.9	9.5
30°-40°	1873.1	11.9
40°-50°	2332.1	14.8
50°-60°	2876.1	18.2
60°-70°	3572.0	22.6
70°-80°	2194.8	13.9
80°-90°	205.7	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°	15776.3	100.0
0°-180°	15776.3	100.0

Coefficient of Utilization



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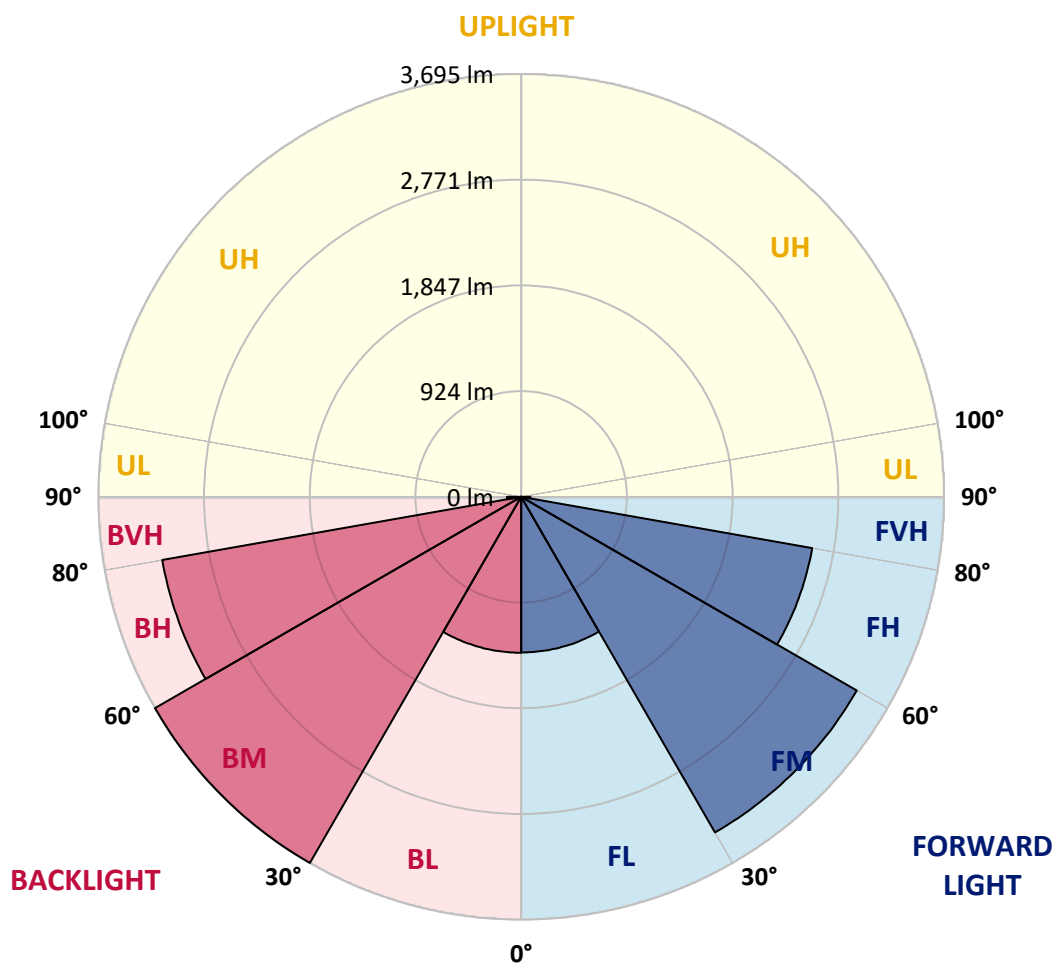
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1359.8	8.6			
FM	(30°-60°)	3386.6	21.5			
FH	(60°-80°)	2582.4	16.4			G2/5000
FVH	(80°-90°)	80.5	0.5			G1/100
BL	(0°-30°)	1362.7	8.6	B3/2500		
BM	(30°-60°)	3694.8	23.4	B3/5000		
BH	(60°-80°)	3184.3	20.2	B4/5000		G4/5000
BVH	(80°-90°)	125.2	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°	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8
2.5°	3044.4	3036.3	3043.4	3044.4	3043.4	3043.4	3034.3	3032.3	3020.1	3023.2	3022.2
5°	3086.0	3082.9	3088.0	3090.0	3092.0	3088.0	3080.9	3077.9	3069.8	3066.7	3065.7
7.5°	3124.5	3119.4	3127.5	3134.6	3139.6	3140.7	3141.7	3136.6	3136.6	3132.6	3132.6
10°	3156.9	3152.8	3166.0	3175.1	3191.3	3200.4	3210.5	3217.6	3221.7	3222.7	3221.7
12.5°	3171.0	3168.0	3189.3	3216.6	3247.0	3268.3	3293.6	3311.8	3316.9	3315.9	3320.9
15°	3146.7	3148.8	3181.2	3234.8	3299.7	3353.3	3388.8	3404.0	3408.0	3410.1	3411.1
17.5°	3080.9	3085.0	3131.5	3218.6	3332.1	3429.3	3482.0	3482.0	3473.9	3473.9	3472.9
20°	2975.6	2979.6	3040.4	3166.0	3333.1	3482.0	3556.9	3541.7	3511.3	3505.3	3499.2
22.5°	2829.7	2845.9	2912.8	3058.6	3289.5	3497.2	3603.5	3581.2	3533.6	3520.5	3511.3
25°	2664.6	2662.6	2742.6	2906.7	3184.2	3460.7	3616.7	3612.6	3562.0	3547.8	3531.6
27.5°	2476.3	2482.3	2556.3	2722.4	3023.2	3355.4	3594.4	3648.1	3606.5	3592.4	3577.2
30°	2282.8	2288.9	2358.8	2552.2	2839.9	3204.5	3548.8	3682.5	3666.3	3655.2	3645.0
32.5°	2088.4	2090.4	2173.4	2381.1	2684.9	3024.2	3479.9	3713.9	3736.2	3731.1	3727.1
35°	1906.1	1908.1	1998.2	2208.9	2532.0	2870.2	3396.9	3759.5	3831.4	3837.5	3841.5
37.5°	1728.8	1731.9	1824.0	2044.8	2381.1	2753.8	3304.7	3829.4	3965.1	3987.4	3991.4
40°	1552.6	1555.6	1643.8	1877.7	2228.1	2651.5	3233.8	3927.6	4145.3	4175.7	4207.1
42.5°	1384.5	1395.6	1470.6	1694.4	2058.0	2524.9	3203.5	4047.1	4359.0	4406.6	4442.1
45°	1227.5	1228.5	1313.6	1523.2	1856.4	2353.7	3183.2	4182.8	4598.1	4670.0	4718.6
47.5°	1059.4	1071.5	1160.7	1364.2	1668.1	2142.0	3118.4	4341.8	4858.3	4942.4	5040.7
50°	896.3	913.5	999.6	1201.2	1495.9	1923.3	2944.2	4528.2	5151.0	5260.4	5373.9
52.5°	739.3	738.3	829.5	1039.1	1322.7	1737.9	2661.6	4723.6	5489.3	5606.8	5729.3
55°	559.1	559.1	649.2	840.6	1135.3	1572.9	2358.8	4845.2	5803.3	5945.1	6078.8
57.5°	383.8	394.0	479.0	644.1	939.9	1422.0	2126.9	4775.3	6043.3	6219.5	6378.5
60°	284.6	294.7	357.5	462.8	735.3	1243.7	1952.7	4446.1	6188.1	6422.1	6628.7
62.5°	246.1	253.2	313.0	370.7	529.7	1054.3	1798.7	4027.9	6396.8	6716.8	7004.4
65°	219.8	226.9	286.6	320.0	414.2	847.7	1712.6	3788.8	6645.9	7135.1	7552.4
67.5°	203.6	211.7	262.3	286.6	361.6	766.7	1645.8	3733.1	6643.9	7237.4	7770.1
69°	195.5	201.5	243.1	269.4	349.4	742.4	1501.0	3491.1	6205.4	6842.4	7377.2
70°	190.4	196.5	231.9	258.3	345.4	698.8	1367.3	3171.0	5706.1	6347.1	6890.0
72.5°	174.2	180.3	206.6	230.9	287.6	466.9	953.0	2029.6	4077.5	4535.3	5156.1
75°	153.9	161.0	181.3	201.5	217.7	270.4	549.9	1053.3	2331.4	2678.8	3231.8
77.5°	125.6	132.7	153.9	186.4	184.3	205.6	357.5	647.2	1091.8	1354.1	1558.7
80°	103.3	108.4	126.6	188.4	150.9	172.2	289.7	530.7	768.7	849.7	898.3
82.5°	68.9	76.0	98.2	147.9	115.5	122.5	216.7	496.3	650.2	713.0	771.7
85°	32.4	35.4	59.8	79.0	69.9	65.8	123.6	350.4	484.1	513.5	535.8
87.5°	0.0	0.0	3.0	6.1	9.1	9.1	22.3	73.9	135.7	164.1	162.0
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°	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8
2.5°	3018.1	3019.1	3018.1	3018.1	3017.1	3015.1	3015.1	3013.0	3014.1	3013.0	3015.1
5°	3064.7	3064.7	3061.7	3059.6	3062.7	3059.6	3060.6	3055.6	3055.6	3052.5	3048.5
7.5°	3131.5	3131.5	3132.6	3126.5	3130.5	3131.5	3128.5	3126.5	3124.5	3119.4	3120.4
10°	3220.7	3220.7	3223.7	3215.6	3219.7	3221.7	3222.7	3222.7	3220.7	3211.6	3212.6
12.5°	3319.9	3317.9	3318.9	3314.9	3318.9	3320.9	3323.0	3320.9	3320.9	3318.9	3317.9
15°	3410.1	3409.0	3411.1	3408.0	3409.0	3411.1	3417.2	3416.1	3415.1	3409.0	3409.0
17.5°	3471.8	3468.8	3466.8	3465.8	3465.8	3464.8	3465.8	3465.8	3462.7	3461.7	3461.7
20°	3495.1	3487.0	3482.0	3478.9	3474.9	3472.9	3470.8	3471.8	3469.8	3466.8	3467.8
22.5°	3499.2	3488.0	3477.9	3468.8	3460.7	3455.6	3450.6	3448.5	3443.5	3440.4	3440.4
25°	3518.4	3501.2	3485.0	3469.8	3457.7	3446.5	3435.4	3427.3	3421.2	3414.1	3412.1
27.5°	3561.0	3542.7	3523.5	3504.3	3488.0	3465.8	3450.6	3434.4	3420.2	3409.0	3400.9
30°	3626.8	3608.6	3589.3	3567.0	3545.8	3522.5	3497.2	3477.9	3457.7	3435.4	3423.2
32.5°	3713.9	3701.7	3682.5	3661.2	3642.0	3617.7	3587.3	3557.9	3538.7	3512.4	3493.1
35°	3838.5	3824.3	3818.2	3809.1	3789.9	3774.7	3741.2	3713.9	3695.7	3659.2	3645.0
37.5°	4008.6	4007.6	4012.7	4009.6	4012.7	3993.4	3978.2	3977.2	3950.9	3915.4	3881.0
40°	4240.5	4252.7	4280.0	4299.3	4317.5	4319.5	4340.8	4318.5	4321.6	4316.5	4281.1
42.5°	4504.9	4546.4	4578.8	4635.5	4679.1	4719.6	4746.9	4784.4	4812.8	4838.1	4844.2
45°	4799.6	4861.4	4936.3	4987.0	5072.0	5139.9	5233.1	5305.0	5379.9	5453.9	5480.2
47.5°	5119.6	5196.6	5279.7	5373.9	5481.2	5587.6	5731.4	5841.8	5962.3	6062.6	6151.7
50°	5473.1	5553.1	5664.5	5772.9	5920.8	6043.3	6231.7	6376.5	6571.0	6704.7	6820.1
52.5°	5841.8	5942.0	6066.6	6186.1	6337.0	6494.0	6703.7	6917.3	7151.3	7353.9	7522.0
55°	6202.3	6325.9	6445.4	6585.2	6752.3	6934.6	7171.6	7453.1	7744.8	7976.7	8199.5
57.5°	6523.4	6666.2	6807.0	6948.7	7119.9	7331.6	7597.9	7901.8	8236.0	8544.9	8850.8
60°	6821.1	6992.3	7164.5	7341.7	7538.2	7799.5	8119.5	8493.2	8925.7	9348.0	9748.1
62.5°	7292.1	7516.9	7730.6	7959.5	8196.5	8503.4	8881.1	9371.3	9867.6	10395.3	10805.4
65°	7930.1	8246.1	8525.7	8822.4	9129.3	9539.5	9991.2	10577.6	11288.5	11829.4	12487.7
67.5°	8247.1	8663.4	9022.9	9353.1	9732.9	10147.1	10683.9	11377.7	12136.3	12920.2	13654.4
69°	7874.4	8303.9	8701.9	9071.6	9455.4	9857.5	10418.6	11130.6	11932.7	12780.4	13497.4
70°	7391.3	7820.8	8245.1	8666.4	9016.9	9408.8	9971.9	10706.2	11507.3	12388.4	13099.4
72.5°	5662.5	6179.0	6562.9	6957.9	7364.0	7696.2	8346.4	8965.2	9799.7	10694.0	11476.9
75°	3622.7	4097.7	4517.0	4853.3	5250.3	5648.3	6128.4	6816.1	7338.7	8072.9	8708.0
77.5°	1861.5	2002.3	2406.4	2526.9	2802.4	3019.1	3283.5	3455.6	3881.0	3971.1	4345.9
80°	882.1	795.0	748.5	705.9	718.1	713.0	691.7	663.4	698.8	683.6	677.6
82.5°	768.7	685.7	546.9	464.9	402.1	341.3	293.7	269.4	272.4	280.5	283.6
85°	538.8	506.4	395.0	299.8	234.0	181.3	145.8	139.8	143.8	155.0	150.9
87.5°	156.0	163.1	143.8	100.3	69.9	50.6	39.5	44.6	42.5	41.5	43.5
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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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8
2.5°	3015.1	3014.1	3011.0	3008.0	3008.0	3006.0	3008.0	3009.0	3008.0	3008.0	3006.0
5°	3049.5	3050.5	3053.6	3047.5	3046.5	3047.5	3043.4	3042.4	3039.4	3042.4	3038.4
7.5°	3115.3	3118.4	3118.4	3114.3	3113.3	3116.4	3110.3	3108.2	3105.2	3104.2	3103.2
10°	3213.6	3216.6	3211.6	3208.5	3205.5	3209.5	3204.5	3204.5	3201.4	3198.4	3197.4
12.5°	3323.0	3320.9	3318.9	3320.9	3317.9	3317.9	3314.9	3312.8	3311.8	3310.8	3308.8
15°	3408.0	3415.1	3415.1	3417.2	3415.1	3415.1	3411.1	3412.1	3410.1	3409.0	3410.1
17.5°	3462.7	3464.8	3469.8	3472.9	3472.9	3473.9	3471.8	3473.9	3471.8	3471.8	3475.9
20°	3469.8	3471.8	3476.9	3482.0	3485.0	3487.0	3487.0	3490.1	3492.1	3494.1	3499.2
22.5°	3441.5	3444.5	3450.6	3459.7	3464.8	3466.8	3470.8	3475.9	3481.0	3485.0	3492.1
25°	3412.1	3413.1	3419.2	3428.3	3434.4	3439.4	3446.5	3452.6	3459.7	3467.8	3475.9
27.5°	3395.9	3394.9	3399.9	3409.0	3414.1	3421.2	3427.3	3436.4	3444.5	3454.6	3461.7
30°	3410.1	3402.0	3403.0	3407.0	3411.1	3416.1	3423.2	3431.3	3440.4	3449.6	3457.7
32.5°	3472.9	3454.6	3442.5	3439.4	3440.4	3441.5	3445.5	3450.6	3457.7	3464.8	3467.8
35°	3608.6	3577.2	3561.0	3547.8	3536.7	3527.5	3529.6	3528.6	3528.6	3534.6	3527.5
37.5°	3866.8	3827.3	3810.1	3786.8	3773.7	3740.2	3731.1	3729.1	3715.9	3715.9	3700.7
40°	4271.9	4248.7	4235.5	4214.2	4150.4	4158.5	4112.9	4113.9	4076.5	4080.5	4054.2
42.5°	4848.2	4851.3	4835.1	4820.9	4771.2	4749.0	4706.4	4645.7	4598.1	4597.0	4544.4
45°	5514.6	5551.1	5499.4	5517.7	5474.1	5414.4	5364.7	5286.8	5212.8	5189.5	5135.9
47.5°	6211.4	6271.2	6231.7	6238.8	6217.5	6132.4	6065.6	5969.4	5873.2	5808.3	5775.9
50°	6955.8	6995.3	6994.3	6975.1	6965.0	6881.9	6774.5	6701.6	6630.7	6543.6	6515.3
52.5°	7630.4	7722.5	7784.3	7770.1	7740.7	7691.1	7595.9	7533.1	7428.8	7416.7	7428.8
55°	8352.5	8472.0	8534.8	8610.7	8611.7	8602.6	8563.1	8539.8	8442.6	8453.8	8439.6
57.5°	9036.1	9211.3	9307.5	9469.6	9525.3	9599.2	9571.9	9602.3	9543.5	9582.0	9570.9
60°	9962.8	10205.9	10365.9	10587.7	10691.0	10876.3	10912.8	10935.1	10967.5	11046.5	11001.9
62.5°	11128.5	11485.0	11817.2	12119.0	12218.3	12496.8	12542.4	12716.6	12725.7	12779.4	12681.1
65°	13036.6	13471.1	13836.7	14198.3	14406.9	14733.0	14864.7	15203.0	15099.7	15143.2	14933.6
67.5°	14286.4	14791.8	15282.0	15624.3	15970.7	16303.9	16543.9	16762.7	16760.6	16718.1	16531.8
69°	14176.0	14739.1	15222.2	15681.0	16045.6	16387.9	16676.6	16818.4	16868.0	16806.2	16673.5
70°	13794.2	14372.5	14964.0	15341.7	15738.7	16114.5	16412.2	16567.2	16601.6	16558.1	16443.6
72.5°	12029.9	12584.9	13237.2	13580.5	14060.6	14332.0	14742.2	14942.7	14978.1	14922.4	14847.5
75°	9388.6	9488.8	10153.2	10372.0	10720.4	11033.3	11288.5	11223.7	11405.0	11369.6	11341.2
77.5°	4422.9	4155.5	4585.9	4786.4	4681.1	4400.6	4808.7	4514.0	4709.5	4963.7	4898.9
80°	729.2	727.2	746.4	789.0	738.3	783.9	782.9	760.6	762.6	817.3	789.0
82.5°	280.5	286.6	289.7	297.8	297.8	298.8	303.8	309.9	304.8	315.0	313.0
85°	151.9	162.0	152.9	145.8	150.9	153.9	158.0	163.1	158.0	173.2	165.1
87.5°	39.5	41.5	36.5	36.5	35.4	32.4	32.4	34.4	37.5	44.6	48.6
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-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8
2.5°	3001.9	3002.9	3003.9	3000.9	2998.9	2998.9	2997.9	2995.8	2994.8	2994.8	2994.8
5°	3036.3	3038.4	3033.3	3032.3	3030.3	3028.2	3028.2	3026.2	3027.2	3027.2	3022.2
7.5°	3105.2	3102.2	3096.1	3092.0	3096.1	3089.0	3086.0	3088.0	3086.0	3087.0	3085.0
10°	3197.4	3197.4	3190.3	3194.3	3189.3	3181.2	3184.2	3181.2	3179.1	3172.1	3176.1
12.5°	3311.8	3308.8	3304.7	3295.6	3292.6	3291.6	3282.4	3283.5	3280.4	3278.4	3275.4
15°	3412.1	3411.1	3402.0	3396.9	3395.9	3391.8	3387.8	3385.8	3380.7	3379.7	3377.7
17.5°	3478.9	3475.9	3471.8	3466.8	3466.8	3460.7	3458.7	3453.6	3452.6	3449.6	3446.5
20°	3501.2	3502.2	3498.2	3494.1	3492.1	3488.0	3485.0	3481.0	3478.9	3474.9	3471.8
22.5°	3496.1	3496.1	3492.1	3491.1	3487.0	3481.0	3476.9	3471.8	3466.8	3461.7	3455.6
25°	3479.9	3478.9	3475.9	3470.8	3465.8	3456.6	3448.5	3440.4	3433.4	3427.3	3418.2
27.5°	3465.8	3463.7	3457.7	3450.6	3440.4	3430.3	3415.1	3404.0	3394.9	3386.8	3376.6
30°	3460.7	3453.6	3444.5	3433.4	3421.2	3406.0	3389.8	3375.6	3365.5	3357.4	3353.3
32.5°	3466.8	3457.7	3443.5	3429.3	3414.1	3395.9	3379.7	3367.5	3358.4	3356.4	3356.4
35°	3522.5	3507.3	3488.0	3467.8	3448.5	3433.4	3422.2	3421.2	3415.1	3422.2	3433.4
37.5°	3685.5	3672.4	3643.0	3616.7	3603.5	3596.4	3586.3	3588.3	3574.1	3596.4	3614.6
40°	4031.9	4015.7	3981.3	3960.0	3933.7	3908.4	3928.6	3922.5	3932.7	3928.6	3947.9
42.5°	4537.3	4521.1	4466.4	4458.3	4447.2	4437.0	4437.0	4428.9	4424.9	4439.1	4422.9
45°	5152.1	5119.6	5099.4	5123.7	5090.3	5100.4	5135.9	5088.3	5099.4	5033.6	4972.8
47.5°	5790.1	5787.1	5782.0	5811.4	5816.4	5831.6	5850.9	5802.3	5714.2	5664.5	5541.0
50°	6524.4	6555.8	6567.9	6596.3	6608.4	6619.6	6589.2	6517.3	6368.4	6236.8	6090.9
52.5°	7416.7	7362.0	7436.9	7464.3	7452.1	7407.5	7298.2	7210.0	7004.4	6815.1	6589.2
55°	8455.8	8468.9	8416.3	8395.0	8353.5	8229.9	8079.0	7880.5	7620.2	7373.1	7087.5
57.5°	9514.1	9509.1	9427.0	9311.6	9170.8	9021.9	8797.1	8512.5	8208.7	7876.5	7531.1
60°	10801.4	10796.3	10630.2	10432.7	10232.2	9992.2	9639.7	9297.4	8890.3	8453.8	8042.6
62.5°	12492.8	12275.0	12111.9	11817.2	11507.3	11193.3	10716.3	10261.6	9717.7	9166.8	8686.7
65°	14660.1	14301.6	14116.3	13688.9	13208.8	12718.6	12233.5	11635.9	10903.7	10237.3	9650.9
67.5°	16263.4	15935.2	15595.9	15169.6	14642.9	14096.0	13431.6	12679.1	11847.6	11100.2	10461.1
69°	16404.1	16097.3	15690.1	15262.7	14764.4	14169.9	13444.8	12602.1	11759.5	11002.9	10374.0
70°	16190.4	15864.3	15435.9	14991.3	14434.3	13873.2	13113.6	12235.5	11391.9	10633.3	10019.5
72.5°	14596.3	14278.3	13822.5	13290.8	12719.6	12239.6	11518.5	10602.9	9685.3	8984.5	8506.4
75°	11099.2	11029.3	10706.2	10396.3	9946.6	9410.8	8751.5	8135.7	7383.2	6641.9	6196.2
77.5°	4735.8	4896.8	5065.0	5089.3	5105.5	4940.4	4838.1	4683.1	4179.8	3950.9	3714.9
80°	875.0	781.9	834.5	840.6	875.0	893.3	960.1	1138.4	1158.6	1202.2	1255.9
82.5°	310.9	316.0	324.1	327.1	330.2	342.3	387.9	464.9	534.8	625.9	747.4
85°	176.2	179.3	186.4	192.4	196.5	208.6	234.0	279.5	348.4	452.7	613.8
87.5°	53.7	60.8	64.8	72.9	76.0	78.0	89.1	119.5	153.9	227.9	332.2
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-8030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8	2996.8
2.5°	2994.8	2993.8	2991.8	2989.8	2990.8	2988.7	2982.7	2980.6	2973.5	2968.5	2964.4
5°	3022.2	3021.1	3017.1	3018.1	3017.1	3007.0	2999.9	2987.7	2980.6	2969.5	2965.4
7.5°	3078.9	3077.9	3070.8	3073.8	3071.8	3056.6	3044.4	3025.2	3015.1	3000.9	2989.8
10°	3164.0	3164.0	3155.9	3156.9	3156.9	3136.6	3115.3	3082.9	3059.6	3037.4	3018.1
12.5°	3267.3	3263.2	3262.2	3257.1	3253.1	3230.8	3198.4	3154.8	3111.3	3074.8	3048.5
15°	3371.6	3365.5	3362.5	3356.4	3351.3	3331.1	3287.5	3233.8	3175.1	3116.4	3072.8
17.5°	3439.4	3435.4	3429.3	3427.3	3420.2	3399.9	3369.5	3315.9	3243.0	3160.9	3095.1
20°	3464.8	3457.7	3453.6	3449.6	3445.5	3431.3	3431.3	3396.9	3315.9	3200.4	3100.1
22.5°	3448.5	3444.5	3438.4	3435.4	3431.3	3433.4	3472.9	3467.8	3374.6	3209.5	3063.7
25°	3411.1	3406.0	3400.9	3400.9	3399.9	3421.2	3516.4	3529.6	3391.8	3165.0	2983.7
27.5°	3372.6	3365.5	3367.5	3368.5	3373.6	3419.2	3564.0	3545.8	3345.2	3057.6	2845.9
30°	3349.3	3349.3	3354.4	3362.5	3372.6	3452.6	3601.5	3509.3	3224.7	2895.6	2663.6
32.5°	3359.4	3369.5	3380.7	3400.9	3416.1	3526.5	3614.6	3415.1	3049.5	2695.0	2473.2
35°	3449.6	3461.7	3483.0	3514.4	3532.6	3632.9	3614.6	3277.4	2845.9	2522.9	2276.7
37.5°	3646.0	3658.2	3683.5	3707.8	3726.1	3766.6	3599.5	3102.2	2675.8	2344.6	2100.5
40°	3962.0	3979.2	3997.5	3993.4	3981.3	3941.8	3569.1	2939.1	2518.8	2188.6	1927.3
42.5°	4406.6	4390.4	4388.4	4348.9	4308.4	4139.3	3546.8	2832.8	2384.1	2024.6	1755.2
45°	4920.1	4854.3	4786.4	4733.8	4672.0	4356.0	3540.7	2746.7	2235.2	1842.3	1567.8
47.5°	5436.7	5331.3	5199.7	5117.6	5017.4	4586.9	3558.9	2631.2	2043.8	1643.8	1392.6
50°	5943.0	5770.9	5607.8	5509.6	5396.1	4852.3	3588.3	2436.8	1814.9	1463.5	1232.6
52.5°	6412.0	6190.2	6023.1	5907.6	5768.8	5161.2	3562.0	2181.5	1616.4	1290.3	1080.6
55°	6857.6	6612.5	6439.3	6317.8	6154.7	5471.1	3371.6	1949.6	1427.0	1121.2	909.5
57.5°	7247.5	7012.6	6832.3	6667.2	6529.5	5740.5	2995.8	1758.2	1244.7	927.7	724.1
60°	7703.3	7438.9	7225.2	7049.0	6887.0	5879.2	2574.5	1588.1	1050.3	718.1	523.6
62.5°	8318.0	8014.2	7767.1	7565.5	7353.9	5909.6	2286.9	1417.9	833.5	519.6	380.8
65°	9229.5	8854.8	8545.9	8268.4	7981.8	5784.0	2145.1	1232.6	619.8	385.9	319.0
67.5°	9953.7	9564.8	9207.3	8850.8	8484.1	5551.1	2113.7	1061.4	476.0	328.1	286.6
69°	9865.6	9494.9	9166.8	8780.9	8374.8	5258.4	2082.3	995.6	434.5	304.8	271.4
70°	9526.3	9174.9	8841.6	8527.7	8030.4	4932.3	1999.2	959.1	418.3	293.7	260.3
72.5°	8049.6	7642.5	7319.4	6928.5	6404.9	3665.3	1516.1	775.8	383.8	268.4	235.0
75°	5871.1	5533.9	5211.8	4779.4	4269.9	2120.8	943.9	443.6	281.6	243.1	212.7
77.5°	3428.3	3352.3	3041.4	2756.8	2252.4	1079.6	541.8	265.4	218.8	220.8	187.4
80°	1290.3	1374.4	1405.8	1307.5	1208.3	745.4	394.0	215.7	190.4	217.7	159.0
82.5°	940.9	1091.8	1110.0	1063.4	989.5	694.8	315.0	173.2	155.0	234.0	136.7
85°	784.9	869.0	882.1	833.5	809.2	588.4	219.8	121.5	113.4	168.1	102.3
87.5°	397.0	418.3	429.4	388.9	390.9	274.5	88.1	51.7	61.8	71.9	56.7
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):

	175°	180°
0°	2996.8	2996.8
2.5°	2955.3	2961.4
5°	2959.4	2959.4
7.5°	2982.7	2982.7
10°	3008.0	3009.0
12.5°	3031.3	3030.3
15°	3049.5	3046.5
17.5°	3060.6	3057.6
20°	3049.5	3044.4
22.5°	2992.8	2978.6
25°	2889.5	2871.3
27.5°	2752.8	2740.6
30°	2574.5	2556.3
32.5°	2365.9	2356.8
35°	2166.4	2155.2
37.5°	1984.1	1981.0
40°	1830.1	1813.9
42.5°	1649.8	1642.7
45°	1466.5	1462.5
47.5°	1294.3	1290.3
50°	1135.3	1127.2
52.5°	979.4	966.2
55°	806.2	797.1
57.5°	618.8	610.7
60°	435.5	426.4
62.5°	309.9	299.8
65°	258.3	250.2
67.5°	234.0	224.8
69°	222.8	214.7
70°	215.7	209.6
72.5°	200.5	196.5
75°	183.3	180.3
77.5°	161.0	156.0
80°	134.7	129.6
82.5°	113.4	108.4
85°	76.0	68.9
87.5°	34.4	30.4
90°	0.0	0.0

(END OF REPORT)