

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: P158279

Luminaire Tested: **VST-E10-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158279
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E10-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (210) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27480.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 247.7
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



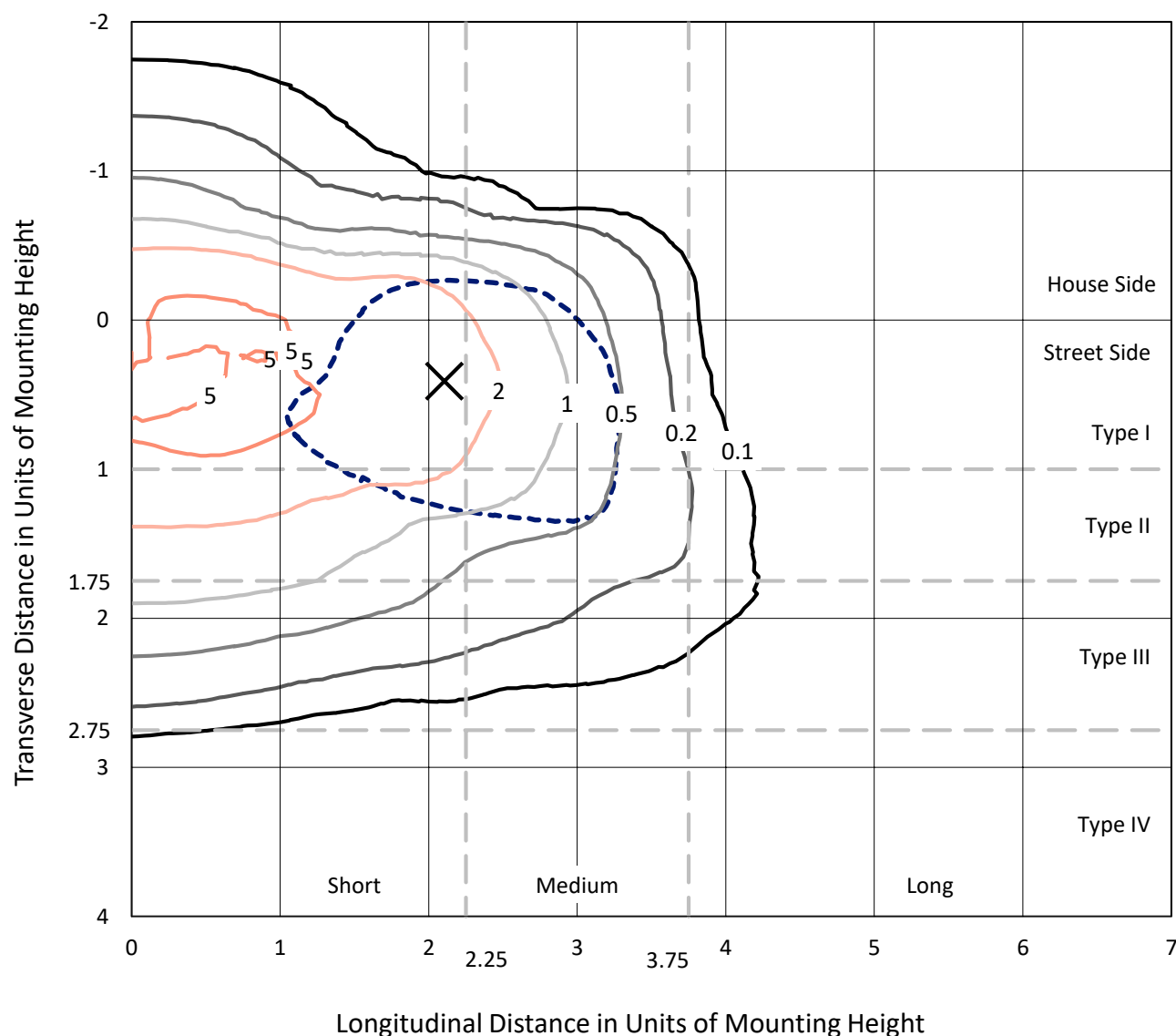
REPORT NUMBER: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

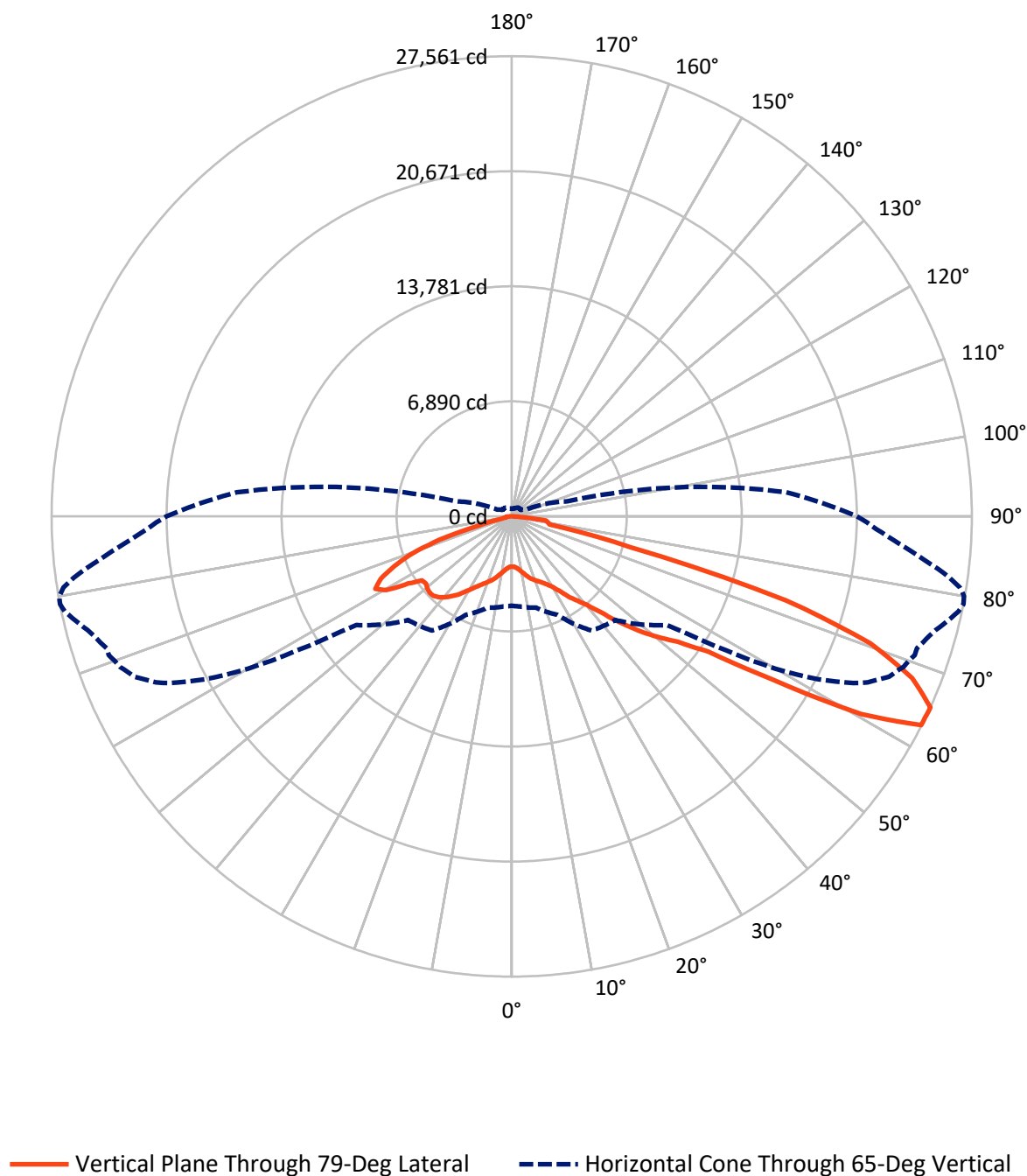


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P158279

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6314.5	0.0	6314.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	21166.0	0.0	21166.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	27480.6	0.0	27480.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	1.1
10°-20°	966.1	3.5
20°-30°	1665.6	6.1
30°-40°	2728.2	9.9
40°-50°	4568.7	16.6
50°-60°	6179.9	22.5
60°-70°	7610.5	27.7
70°-80°	2946.0	10.7
80°-90°	518.1	1.9
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°	27480.6	100.0
0°-180°	27480.6	100.0

Coefficient of Utilization



REPORT NUMBER: P158279

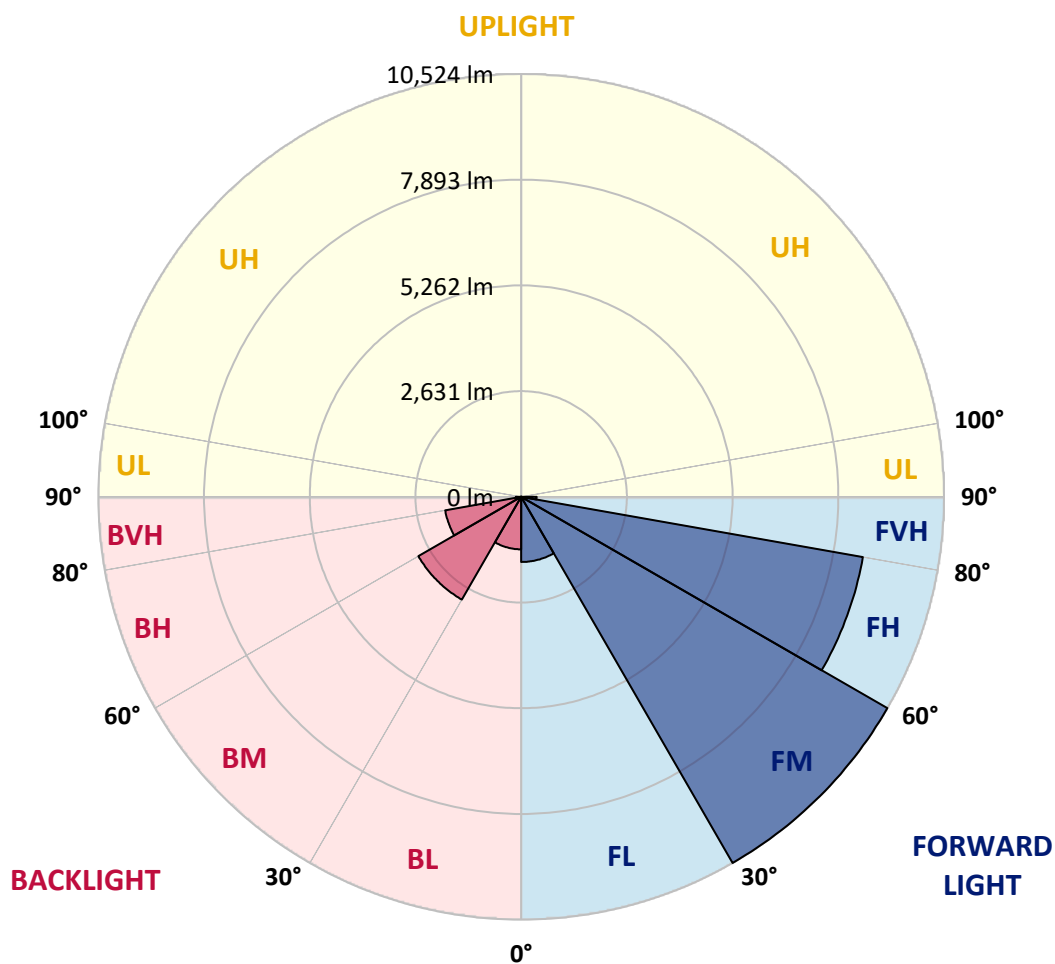
CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1622.4	5.9			
FM	(30°-60°)	10523.9	38.3			
FH	(60°-80°)	8635.4	31.4			G4/12000
FVH	(80°-90°)	384.4	1.4			G3/500
BL	(0°-30°)	1306.8	4.8	B3/2500		
BM	(30°-60°)	2953.0	10.7	B3/5000		
BH	(60°-80°)	1921.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	133.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





REPORT NUMBER: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7
2.5°	3012.2	3003.1	3012.2	3019.5	3025.0	3032.3	3030.5	3028.7	3026.8	3028.7	3028.7
5°	3037.8	3036.0	3045.1	3052.4	3065.2	3074.3	3085.3	3085.3	3085.3	3083.5	3087.1
7.5°	3120.0	3118.2	3127.3	3134.6	3145.6	3163.8	3178.5	3185.8	3183.9	3183.9	3183.9
10°	3255.2	3247.9	3247.9	3247.9	3262.5	3275.3	3308.2	3311.8	3319.1	3315.5	3317.3
12.5°	3386.7	3388.5	3383.0	3377.6	3379.4	3405.0	3452.5	3461.6	3463.4	3468.9	3472.6
15°	3505.4	3503.6	3490.8	3478.0	3494.5	3538.3	3600.4	3616.9	3616.9	3627.8	3635.1
17.5°	3615.0	3611.4	3587.6	3565.7	3582.2	3657.1	3753.9	3764.8	3781.3	3786.8	3794.1
20°	3744.7	3737.4	3710.0	3651.6	3651.6	3753.9	3881.7	3892.7	3907.3	3911.0	3923.8
22.5°	3925.6	3907.3	3848.9	3742.9	3713.7	3832.4	3989.5	3995.0	4006.0	4020.6	4031.5
25°	4130.2	4133.8	4038.8	3854.3	3790.4	3914.6	4093.6	4102.8	4122.9	4133.8	4146.6
27.5°	4342.1	4347.5	4241.6	4011.4	3903.7	4027.9	4234.3	4245.3	4269.0	4281.8	4301.9
30°	4583.2	4590.5	4488.2	4256.2	4091.8	4194.1	4442.5	4471.8	4491.9	4508.3	4541.2
32.5°	5162.3	5118.4	5047.2	4800.6	4541.2	4533.9	4778.6	4811.5	4838.9	4873.6	4904.7
35°	5891.1	5918.5	5955.0	5788.8	5560.5	5394.2	5414.3	5396.1	5421.6	5472.8	5503.8
37.5°	6468.3	6528.6	6687.6	6795.3	6786.2	6753.3	6446.4	6446.4	6462.9	6435.5	6431.8
40°	6921.4	6959.7	7284.9	7703.2	8055.8	8229.3	7986.3	7951.6	7969.9	7829.2	7834.7
42.5°	7155.2	7211.8	7679.4	8413.8	9113.4	9670.6	9595.7	9571.9	9517.1	9482.4	9460.5
45°	7273.9	7341.5	7898.7	8907.0	9926.3	10786.7	11173.9	11170.3	11121.0	11080.8	11062.5
47.5°	7213.6	7272.1	7865.8	9056.8	10353.7	11506.4	12363.1	12416.1	12401.5	12459.9	12483.7
50°	6819.1	6894.0	7489.5	8733.5	10174.7	11789.5	13187.0	13285.6	13418.9	13503.0	13614.4
52.5°	6462.9	6525.0	7062.0	8209.2	9586.5	11559.4	13683.8	13886.6	14069.2	14241.0	14374.3
55°	6090.2	6152.3	6623.6	7664.8	8992.8	10879.8	13910.3	14206.3	14491.2	14781.7	15048.4
57.5°	5949.6	6015.3	6366.1	7242.9	8506.9	10205.8	14021.8	14507.7	14971.6	15464.8	15976.3
60°	6314.9	6373.4	6640.1	7253.8	8136.1	9531.7	13797.1	14560.6	15358.9	16171.8	16957.3
62.5°	6203.5	6234.5	6567.0	7518.7	8609.2	8866.8	12823.4	13831.8	14991.7	16182.7	17386.5
65°	5352.2	5412.5	5662.8	6499.4	8344.4	8777.3	11340.2	12354.0	13722.2	15130.6	16743.5
67.5°	3839.7	3755.7	3949.3	4681.8	6473.8	8762.7	9670.6	10421.3	11493.6	12573.2	13895.7
70°	1744.5	1704.3	1855.9	2435.0	3905.5	6925.0	8176.3	8430.2	8828.4	9555.5	10448.7
72.5°	688.7	686.8	785.5	1006.5	1846.8	4457.1	6875.7	7021.8	7162.5	7478.5	7863.9
75°	451.2	451.2	480.4	542.5	909.7	2151.9	5816.2	5949.6	6165.1	6254.6	6419.0
77.5°	339.8	341.6	354.4	369.0	502.3	1132.6	4104.6	4577.7	4943.1	5215.2	5414.3
80°	241.1	252.1	275.8	285.0	327.0	644.8	2319.9	2661.5	3074.3	3514.6	4068.1
82.5°	180.8	193.6	233.8	244.8	259.4	367.2	1046.7	1187.4	1386.5	1797.5	2584.8
85°	84.0	93.2	160.7	175.4	188.2	211.9	531.6	593.7	674.1	738.0	860.4
87.5°	12.8	9.1	27.4	38.4	60.3	62.1	182.7	217.4	235.6	283.1	294.1
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: P158279

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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7
2.5°	3028.7	3030.5	3032.3	3028.7	3030.5	3030.5	3026.8	3025.0	3025.0	3025.0	3026.8
5°	3087.1	3090.8	3087.1	3089.0	3096.3	3094.4	3090.8	3089.0	3096.3	3098.1	3092.6
7.5°	3191.2	3193.1	3185.8	3194.9	3198.6	3200.4	3200.4	3204.0	3204.0	3209.5	3204.0
10°	3324.6	3324.6	3337.4	3335.6	3337.4	3341.0	3342.9	3350.2	3355.6	3355.6	3359.3
12.5°	3478.0	3479.9	3492.7	3494.5	3501.8	3503.6	3514.6	3507.3	3525.5	3525.5	3531.0
15°	3637.0	3649.7	3651.6	3669.8	3673.5	3675.3	3689.9	3689.9	3702.7	3704.5	3708.2
17.5°	3794.1	3805.0	3812.3	3826.9	3839.7	3845.2	3850.7	3861.6	3870.8	3874.4	3883.6
20°	3929.2	3940.2	3947.5	3962.1	3973.1	3982.2	3987.7	4000.5	4009.6	4013.3	4026.0
22.5°	4042.5	4049.8	4062.6	4082.7	4086.3	4097.3	4113.7	4122.9	4126.5	4137.5	4152.1
25°	4163.1	4174.0	4181.3	4199.6	4214.2	4232.5	4247.1	4261.7	4265.3	4280.0	4292.7
27.5°	4323.8	4334.8	4336.6	4373.1	4387.7	4413.3	4429.7	4451.7	4462.6	4475.4	4501.0
30°	4561.3	4586.8	4597.8	4639.8	4647.1	4676.4	4705.6	4712.9	4729.3	4731.2	4773.2
32.5°	4924.8	4961.3	4975.9	5019.8	5030.7	5058.1	5074.6	5112.9	5114.8	5133.0	5142.2
35°	5520.3	5511.2	5567.8	5578.7	5611.6	5635.4	5651.8	5651.8	5686.5	5688.3	5699.3
37.5°	6333.2	6314.9	6329.5	6263.8	6280.2	6251.0	6245.5	6252.8	6238.2	6241.8	6240.0
40°	7633.8	7551.6	7465.7	7263.0	7219.1	7135.1	7069.3	7016.4	6965.2	6910.4	6873.9
42.5°	9265.0	9146.3	9018.4	8693.3	8541.7	8379.1	8220.2	8128.8	7946.1	7834.7	7774.4
45°	10974.8	10836.0	10657.0	10386.6	10171.1	9997.5	9707.1	9570.1	9286.9	9146.3	8956.3
47.5°	12375.9	12377.7	12233.4	11959.4	11729.2	11614.2	11433.3	11168.4	10846.9	10666.1	10328.2
50°	13601.6	13599.8	13590.7	13426.2	13265.5	13139.5	12980.5	12741.2	12478.2	12273.6	11886.3
52.5°	14507.7	14628.2	14679.4	14677.5	14657.4	14599.0	14478.4	14272.0	14005.3	13890.2	13581.5
55°	15256.6	15519.6	15656.7	15956.2	15983.6	16080.4	15974.5	15976.3	15819.2	15830.2	15731.5
57.5°	16391.0	16871.4	17147.2	17810.3	18142.8	18544.7	18473.4	18809.5	18931.9	19087.2	19293.6
60°	17678.8	18575.7	19229.7	20548.6	21085.6	21735.9	22093.9	22475.7	22753.4	23038.3	23248.4
62.5°	18599.5	19777.7	20851.8	22731.5	23429.3	24114.3	24565.5	25027.6	25340.0	25544.6	25696.2
65°	18223.2	19525.6	20795.2	22766.2	23526.1	24022.9	24560.0	24826.7	25139.1	25308.9	25526.3
67.5°	15484.9	16791.0	18151.9	20477.3	21271.9	21958.8	22377.1	22722.3	22974.4	23190.0	23440.2
70°	11515.5	12944.0	14350.6	16900.6	17903.5	18895.4	19388.6	19816.0	20079.1	20296.5	20572.3
72.5°	8287.7	9182.8	10061.5	12916.6	13919.5	15201.8	15713.3	16188.2	16529.8	16518.9	16811.1
75°	6598.0	6961.6	7352.5	8826.6	9546.3	10627.7	10914.5	11181.2	11020.5	10711.8	10693.5
77.5°	5492.9	5642.7	5774.2	6236.4	6342.3	6599.9	6457.4	6309.4	5832.7	5430.8	5218.9
80°	4459.0	4754.9	4948.5	5277.3	5412.5	5489.2	5509.3	5458.2	5282.8	5039.9	4652.6
82.5°	3315.5	3878.1	4261.7	4908.3	5145.8	5195.1	5290.1	5231.7	5116.6	4919.3	4641.6
85°	971.8	1099.7	1260.4	1709.8	2003.9	2254.1	2509.9	2635.9	2714.5	2604.9	2318.1
87.5°	341.6	385.4	431.1	593.7	632.0	763.6	748.9	884.1	889.6	928.0	887.8
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: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7
2.5°	3025.0	3025.0	3025.0	3026.8	3026.8	3026.8	3023.2	3021.4	3023.2	3026.8	3026.8
5°	3096.3	3098.1	3101.7	3094.4	3096.3	3101.7	3098.1	3096.3	3098.1	3101.7	3098.1
7.5°	3211.3	3213.2	3209.5	3216.8	3216.8	3220.5	3226.0	3220.5	3222.3	3224.1	3226.0
10°	3361.1	3363.0	3366.6	3372.1	3373.9	3377.6	3381.2	3386.7	3386.7	3383.0	3392.2
12.5°	3540.1	3538.3	3542.0	3549.3	3552.9	3558.4	3569.4	3569.4	3576.7	3574.9	3584.0
15°	3715.5	3724.6	3726.5	3739.3	3744.7	3753.9	3766.7	3774.0	3774.0	3784.9	3788.6
17.5°	3890.9	3898.2	3905.5	3916.4	3923.8	3929.2	3943.8	3953.0	3951.2	3971.2	3971.2
20°	4026.0	4040.7	4049.8	4057.1	4069.9	4079.0	4090.0	4100.9	4108.2	4121.0	4124.7
22.5°	4157.6	4166.7	4179.5	4188.6	4203.2	4214.2	4227.0	4236.1	4248.9	4265.3	4270.8
25°	4303.7	4318.3	4332.9	4345.7	4356.7	4369.5	4391.4	4411.5	4429.7	4444.4	4449.8
27.5°	4506.5	4522.9	4544.8	4554.0	4570.4	4581.4	4614.2	4639.8	4649.0	4674.5	4681.8
30°	4780.5	4798.7	4820.7	4831.6	4860.9	4875.5	4910.2	4937.6	4946.7	4977.8	4983.2
32.5°	5176.9	5187.8	5231.7	5229.8	5270.0	5312.0	5332.1	5354.1	5394.2	5410.7	5416.2
35°	5726.7	5752.3	5783.3	5781.5	5832.7	5856.4	5896.6	5920.3	5949.6	5947.7	5978.8
37.5°	6258.3	6267.4	6278.4	6302.1	6338.7	6371.5	6386.1	6409.9	6431.8	6464.7	6504.9
40°	6837.3	6859.3	6861.1	6873.9	6892.1	6934.2	6961.6	6987.1	7062.0	7109.5	7133.3
42.5°	7705.0	7699.5	7663.0	7686.8	7697.7	7761.7	7781.7	7860.3	7944.3	8044.8	8072.2
45°	8821.1	8748.1	8726.1	8717.0	8775.5	8808.4	8890.6	9036.7	9124.4	9219.4	9265.0
47.5°	10194.8	9966.5	9858.7	9835.0	9895.2	10035.9	10063.3	10207.6	10322.7	10392.1	10437.8
50°	11570.3	11391.3	11164.8	11088.1	11071.6	11201.3	11232.4	11352.9	11469.9	11489.9	11466.2
52.5°	13298.4	13006.1	12631.6	12496.5	12388.7	12397.8	12423.4	12474.5	12549.4	12518.4	12454.4
55°	15508.7	15176.2	14991.7	14736.0	14573.4	14544.2	14432.8	14279.3	14273.8	14293.9	14102.1
57.5°	19189.5	19050.7	19129.2	19101.8	18941.1	19037.9	18535.5	18393.0	18279.8	18082.5	17905.3
60°	23434.7	23577.2	23739.8	24114.3	24097.8	24474.1	24125.2	24037.6	23931.6	23323.3	23025.6
62.5°	25961.1	26017.7	26257.0	26605.9	26949.3	27309.2	27471.8	27528.4	27307.3	26810.5	26189.4
65°	25520.8	25771.1	26003.1	26304.5	26657.0	27016.9	27360.3	27561.3	27510.1	27181.3	26498.1
67.5°	23520.6	23783.6	24123.4	24439.4	24819.4	25131.7	25508.0	25877.0	25888.0	25723.6	25248.7
70°	20601.5	20906.6	21257.3	21434.5	21845.5	22128.7	22441.0	22806.4	22925.1	22945.2	22391.7
72.5°	16749.0	16876.9	17048.6	16955.4	17037.6	17218.5	17134.5	17163.7	16712.5	16796.5	16113.3
75°	10200.3	10083.4	9564.6	9091.5	8514.3	8070.4	8176.3	7328.7	6493.9	6451.9	5849.1
77.5°	5173.2	4986.9	4665.4	4331.1	3841.6	3280.8	2813.1	2308.9	1883.3	1640.4	1408.4
80°	4406.0	4274.5	4097.3	3854.3	3498.1	3083.5	2595.7	2212.1	1855.9	1485.1	1189.2
82.5°	4216.0	3814.2	3556.6	3353.8	2968.4	2584.8	2318.1	2055.0	1803.0	1574.6	1247.6
85°	2091.6	1850.4	1565.5	1388.3	1068.6	836.6	783.7	644.8	601.0	464.0	390.9
87.5°	703.3	575.4	429.3	361.7	288.6	235.6	232.0	206.4	204.6	186.3	171.7
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: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7
2.5°	3025.0	3028.7	3028.7	3025.0	3026.8	3023.2	3025.0	3026.8	3021.4	3019.5	3014.1
5°	3099.9	3098.1	3098.1	3099.9	3105.4	3107.2	3098.1	3101.7	3103.6	3094.4	3074.3
7.5°	3224.1	3224.1	3229.6	3227.8	3238.7	3235.1	3233.3	3233.3	3233.3	3215.0	3182.1
10°	3392.2	3392.2	3397.7	3405.0	3406.8	3403.1	3403.1	3405.0	3414.1	3377.6	3326.4
12.5°	3580.3	3589.5	3587.6	3587.6	3609.6	3604.1	3596.8	3604.1	3613.2	3562.1	3489.0
15°	3790.4	3795.9	3799.5	3812.3	3808.7	3821.5	3825.1	3821.5	3830.6	3764.8	3642.4
17.5°	3980.4	3991.3	3995.0	4009.6	4009.6	4011.4	4026.0	4020.6	4022.4	3947.5	3772.1
20°	4137.5	4148.4	4153.9	4170.4	4174.0	4181.3	4186.8	4190.5	4199.6	4110.1	3878.1
22.5°	4294.6	4303.7	4312.8	4323.8	4338.4	4347.5	4354.9	4358.5	4374.9	4270.8	3978.6
25°	4469.9	4490.0	4499.2	4517.4	4532.0	4546.7	4557.6	4559.4	4586.8	4457.1	4060.8
27.5°	4703.8	4731.2	4745.8	4775.0	4789.6	4804.2	4800.6	4822.5	4860.9	4670.9	4124.7
30°	5010.6	5045.3	5054.5	5083.7	5107.5	5122.1	5138.5	5156.8	5182.3	4908.3	4155.7
32.5°	5438.1	5491.1	5503.8	5520.3	5555.0	5580.6	5591.5	5620.8	5628.1	5133.0	4146.6
35°	6024.5	6000.7	6062.8	6077.4	6126.8	6146.8	6159.6	6198.0	6168.8	5377.8	4086.3
37.5°	6554.2	6546.9	6607.2	6640.1	6704.0	6689.4	6720.4	6746.0	6641.9	5551.3	3974.9
40°	7200.9	7191.7	7275.7	7286.7	7385.4	7363.4	7376.2	7396.3	7164.3	5671.9	3772.1
42.5°	8103.2	8106.9	8196.4	8207.4	8220.2	8260.3	8194.6	8198.2	7719.6	5704.8	3437.9
45°	9292.4	9356.4	9301.6	9303.4	9299.7	9223.0	9140.8	9044.0	8296.9	5591.5	3006.7
47.5°	10445.1	10401.2	10331.8	10267.9	10214.9	10094.3	9973.8	9809.4	8795.6	5323.0	2526.3
50°	11431.5	11332.9	11270.7	11093.6	10967.5	10810.4	10642.4	10454.2	9204.7	4935.7	2077.0
52.5°	12348.5	12246.2	12014.2	11829.7	11648.9	11440.6	11245.2	11024.1	9566.4	4493.7	1733.5
55°	13872.0	13782.5	13550.5	13212.5	12989.7	12702.9	12445.3	12145.7	10298.9	4135.7	1507.0
57.5°	17417.6	17340.9	16853.1	16639.4	16345.3	15625.6	15519.6	15052.0	12262.6	4093.6	1373.7
60°	22410.0	22081.2	21675.6	21091.1	20402.4	20164.9	19635.2	19012.3	15422.8	4208.7	1265.9
62.5°	25475.2	24726.2	24130.7	23456.7	22822.8	22278.4	21699.4	21083.8	17039.5	4057.1	1132.6
65°	25705.3	24824.9	24037.6	23246.6	22534.2	21856.5	21293.8	20678.3	16513.4	3487.2	959.0
67.5°	24437.6	23509.6	22651.1	21754.2	21034.5	20422.5	19706.4	19114.6	15030.1	2714.5	798.3
70°	21823.6	21008.9	20269.1	19302.7	18705.4	17960.1	17505.3	16765.5	13101.1	1850.4	659.4
72.5°	15718.8	15105.0	14863.9	14189.8	13408.0	12969.6	12759.5	12041.6	9681.5	1149.0	538.9
75°	5310.2	5461.8	5114.8	4583.2	4842.6	4442.5	4605.1	4263.5	4095.5	659.4	453.0
77.5°	1178.2	1107.0	1023.0	949.9	944.4	887.8	940.8	889.6	951.7	420.1	400.0
80°	929.8	734.3	624.7	569.9	540.7	524.3	511.5	496.9	453.0	358.0	369.0
82.5°	1004.7	758.1	555.3	443.9	380.0	356.2	350.7	336.1	332.5	347.1	372.6
85°	321.5	268.5	228.3	215.6	199.1	190.0	186.3	180.8	219.2	378.1	358.0
87.5°	168.1	148.0	131.5	126.0	109.6	102.3	100.5	102.3	153.4	378.1	259.4
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: P158279

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7	3006.7
2.5°	3008.6	3006.7	3003.1	3001.3	2999.4	2990.3	2997.6
5°	3065.2	3046.9	3030.5	3010.4	2999.4	2990.3	2990.3
7.5°	3151.1	3099.9	3057.9	3012.2	2981.2	2957.4	2953.8
10°	3258.8	3160.2	3063.4	2981.2	2922.7	2878.9	2873.4
12.5°	3361.1	3211.3	3057.9	2922.7	2831.4	2769.3	2765.6
15°	3456.1	3238.7	3015.9	2816.8	2679.8	2597.6	2588.4
17.5°	3531.0	3222.3	2920.9	2668.8	2482.5	2385.7	2380.2
20°	3547.5	3156.5	2785.7	2486.1	2288.9	2186.6	2162.8
22.5°	3532.8	3037.8	2617.7	2285.2	2058.7	1956.4	1943.6
25°	3489.0	2893.5	2409.4	2051.4	1841.3	1737.2	1711.6
27.5°	3410.5	2723.6	2184.7	1824.9	1616.6	1516.2	1490.6
30°	3293.5	2519.0	1945.4	1613.0	1397.4	1317.1	1291.5
32.5°	3131.0	2270.6	1709.8	1395.6	1216.6	1152.6	1141.7
35°	2906.3	1985.6	1463.2	1216.6	1085.1	1046.7	1041.2
37.5°	2619.5	1700.7	1256.8	1088.7	993.7	970.0	966.3
40°	2245.0	1408.4	1110.6	997.4	928.0	907.9	904.2
42.5°	1859.6	1189.2	1002.9	924.3	867.7	849.4	843.9
45°	1521.6	1041.2	922.5	864.0	811.1	791.0	789.1
47.5°	1269.6	955.4	856.7	809.2	756.3	732.5	734.3
50°	1085.1	876.8	801.9	761.7	701.5	679.5	681.4
52.5°	959.0	798.3	750.8	705.1	654.0	632.0	632.0
55°	860.4	734.3	701.5	652.1	611.9	591.9	590.0
57.5°	780.0	683.2	654.0	613.8	573.6	549.8	549.8
60°	730.7	646.7	622.9	586.4	538.9	513.3	511.5
62.5°	701.5	635.7	615.6	564.5	511.5	485.9	480.4
65°	679.5	661.3	635.7	551.7	489.6	462.2	456.7
67.5°	681.4	721.5	685.0	559.0	482.2	442.1	434.8
70°	692.3	769.0	719.7	575.4	513.3	432.9	416.5
72.5°	637.5	696.0	648.5	548.0	500.5	416.5	396.4
75°	531.6	507.8	465.8	445.7	449.4	378.1	370.8
77.5°	431.1	378.1	337.9	354.4	378.1	323.3	316.0
80°	374.5	306.9	286.8	314.2	343.4	275.8	257.6
82.5°	350.7	259.4	246.6	327.0	359.9	237.5	208.2
85°	308.7	211.9	193.6	385.4	359.9	179.0	166.2
87.5°	206.4	126.0	120.6	283.1	246.6	124.2	100.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)