

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: P158281

Luminaire Tested: **VST-E10-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158281
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-SL2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (210) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30873.1 lumens
Efficiency: N/A
Efficacy: 124.6 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



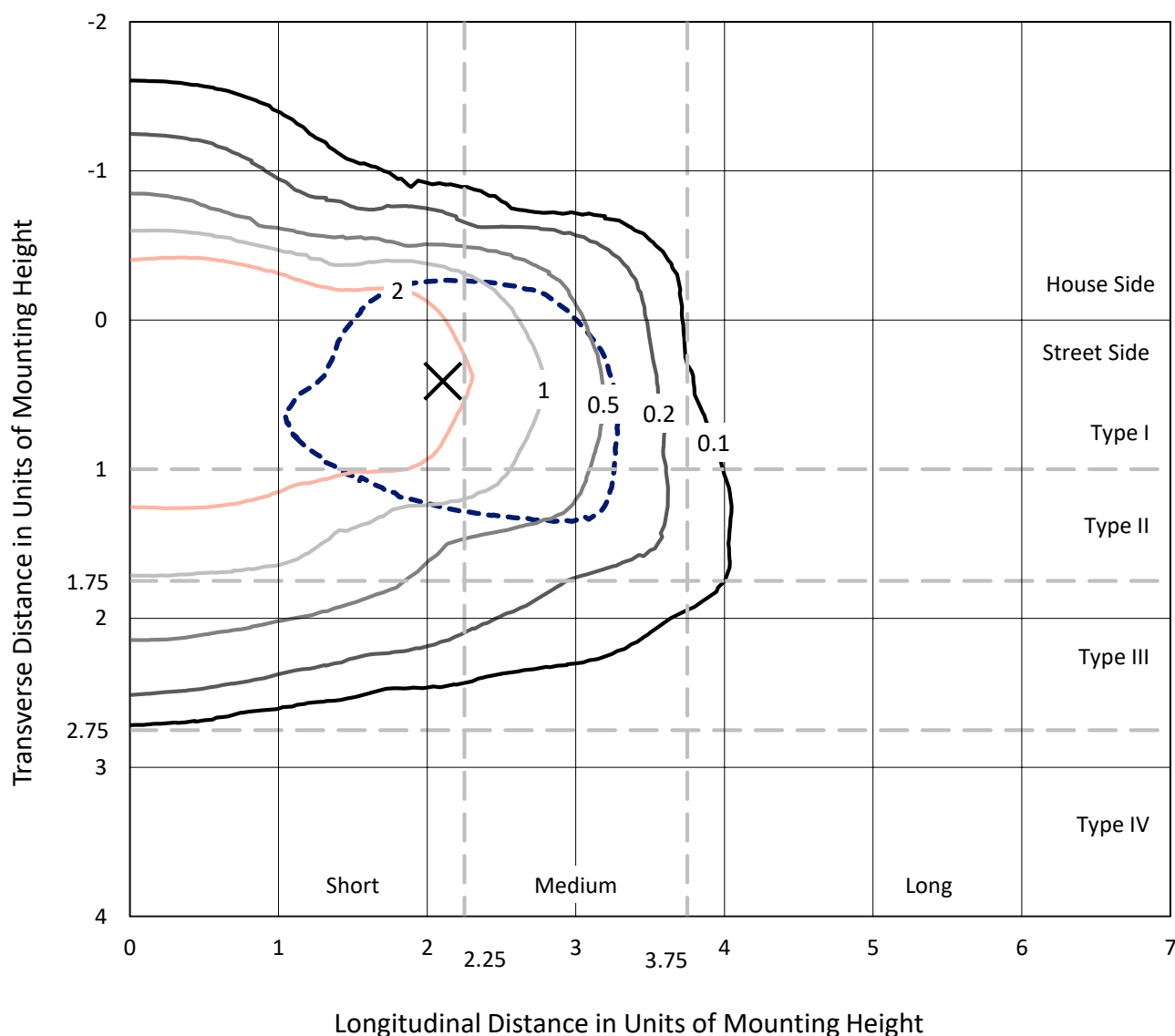
REPORT NUMBER: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

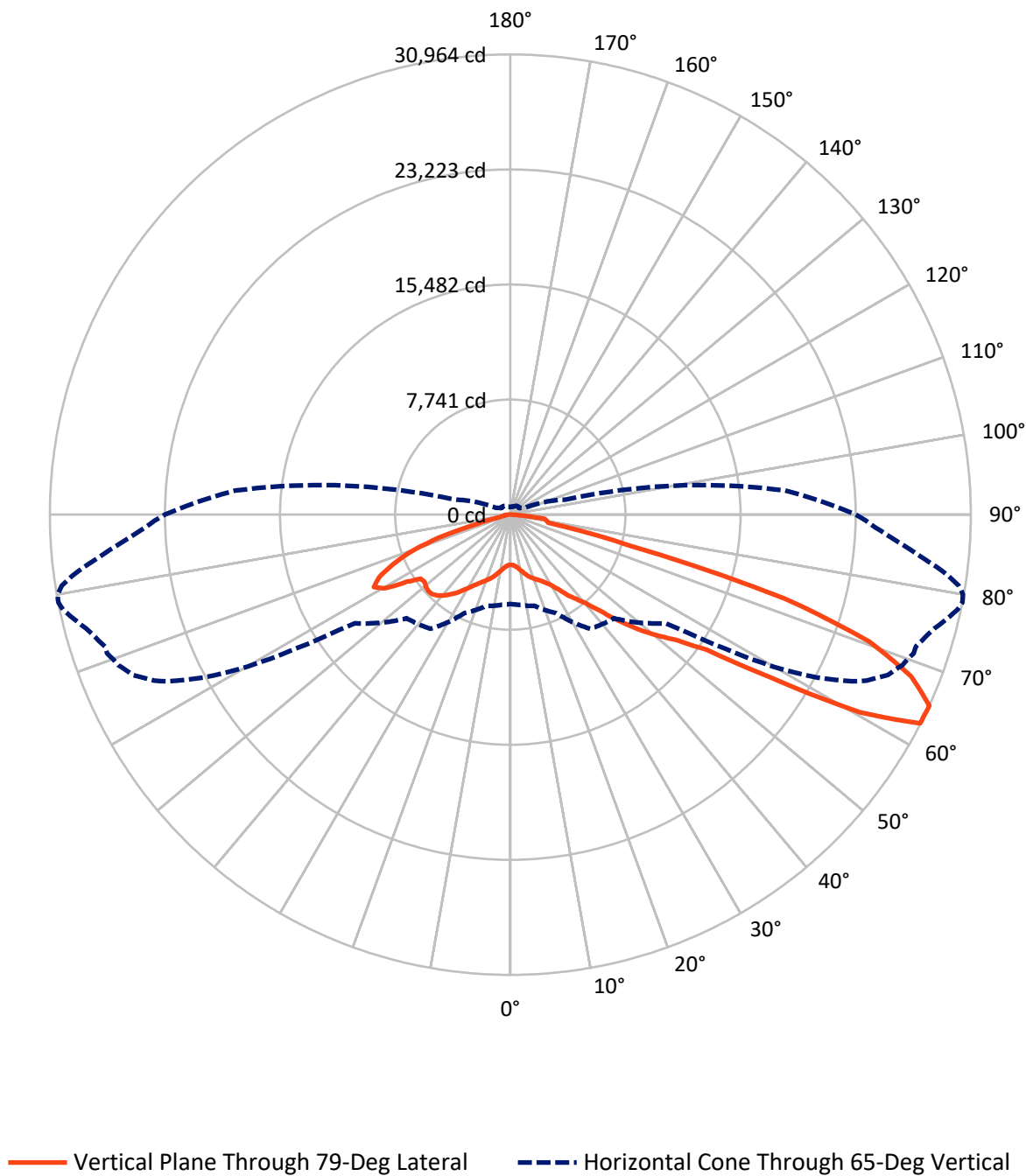


Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7094.1	0.0	7094.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	23779.0	0.0	23779.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	30873.1	0.0	30873.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	1.1
10°-20°	1085.4	3.5
20°-30°	1871.2	6.1
30°-40°	3065.0	9.9
40°-50°	5132.8	16.6
50°-60°	6942.8	22.5
60°-70°	8550.1	27.7
70°-80°	3309.6	10.7
80°-90°	582.0	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°	30873.1	100.0
0°-180°	30873.1	100.0

Coefficient of Utilization



REPORT NUMBER: P158281

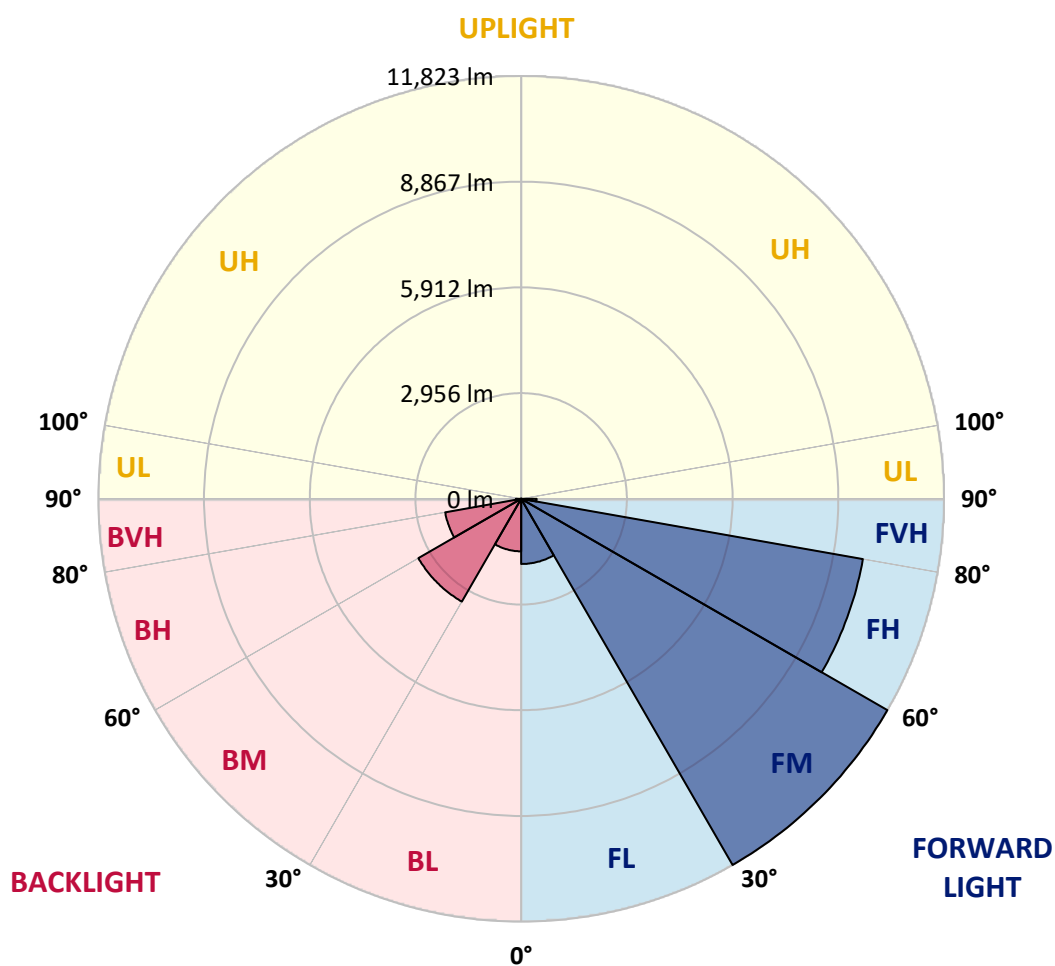
CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1822.7	5.9			
FM	(30°-60°)	11823.1	38.3			
FH	(60°-80°)	9701.4	31.4			G4/12000
FVH	(80°-90°)	431.9	1.4			G3/500
BL	(0°-30°)	1468.1	4.8	B3/2500		
BM	(30°-60°)	3317.5	10.7	B3/5000		
BH	(60°-80°)	2158.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	150.1	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: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3384.1	3373.8	3384.1	3392.3	3398.5	3406.7	3404.6	3402.6	3400.5	3402.6	3402.6
5°	3412.8	3410.8	3421.0	3429.2	3443.6	3453.9	3466.2	3466.2	3466.2	3464.1	3468.2
7.5°	3505.2	3503.1	3513.4	3521.6	3533.9	3554.4	3570.8	3579.1	3577.0	3577.0	3577.0
10°	3657.0	3648.8	3648.8	3648.8	3665.2	3679.6	3716.6	3720.7	3728.9	3724.8	3726.8
12.5°	3804.8	3806.9	3800.7	3794.5	3796.6	3825.3	3878.7	3888.9	3891.0	3897.1	3901.3
15°	3938.2	3936.1	3921.8	3907.4	3925.9	3975.1	4044.9	4063.4	4063.4	4075.7	4083.9
17.5°	4061.3	4057.2	4030.5	4005.9	4024.4	4108.5	4217.3	4229.6	4248.1	4254.2	4262.4
20°	4207.0	4198.8	4168.0	4102.4	4102.4	4217.3	4360.9	4373.3	4389.7	4393.8	4408.1
22.5°	4410.2	4389.7	4324.0	4205.0	4172.1	4305.5	4482.0	4488.2	4500.5	4516.9	4529.2
25°	4640.0	4644.2	4537.4	4330.2	4258.3	4397.9	4599.0	4609.3	4631.8	4644.2	4658.5
27.5°	4878.1	4884.3	4765.2	4506.7	4385.6	4525.1	4757.0	4769.3	4796.0	4810.4	4833.0
30°	5149.0	5157.2	5042.3	4781.7	4597.0	4711.9	4991.0	5023.8	5046.4	5064.9	5101.8
32.5°	5799.5	5750.3	5670.3	5393.2	5101.8	5093.6	5368.6	5405.5	5436.3	5475.3	5510.2
35°	6618.4	6649.2	6690.2	6503.5	6246.9	6060.2	6082.8	6062.2	6091.0	6148.4	6183.3
37.5°	7266.9	7334.6	7513.1	7634.2	7624.0	7587.0	7242.3	7242.3	7260.7	7229.9	7225.8
40°	7775.8	7818.9	8184.2	8654.2	9050.2	9245.2	8972.3	8933.3	8953.8	8795.8	8801.9
42.5°	8038.5	8102.1	8627.5	9452.5	10238.5	10864.4	10780.3	10753.6	10692.0	10653.0	10628.4
45°	8171.9	8247.8	8873.8	10006.6	11151.7	12118.3	12553.4	12549.3	12493.9	12448.7	12428.2
47.5°	8104.2	8169.9	8836.8	10174.9	11631.9	12926.9	13889.4	13948.9	13932.5	13998.1	14024.8
50°	7660.9	7745.0	8414.1	9811.6	11430.8	13245.0	14814.9	14925.7	15075.5	15169.9	15295.1
52.5°	7260.7	7330.5	7933.8	9222.6	10770.0	12986.4	15373.1	15600.9	15806.1	15999.0	16148.8
55°	6842.1	6911.8	7441.3	8611.1	10103.0	12223.0	15627.6	15960.0	16280.2	16606.5	16906.1
57.5°	6684.1	6757.9	7152.0	8137.0	9557.1	11465.7	15752.8	16298.7	16819.9	17374.0	17948.6
60°	7094.5	7160.2	7459.8	8149.3	9140.5	10708.4	15500.3	16358.2	17255.0	18168.2	19050.7
62.5°	6969.3	7004.2	7377.7	8446.9	9672.1	9961.4	14406.5	15539.3	16842.5	18180.5	19532.9
65°	6013.0	6080.7	6361.9	7301.8	9374.5	9860.9	12740.1	13879.1	15416.2	16998.5	18810.6
67.5°	4313.7	4219.3	4436.9	5259.8	7273.0	9844.5	10864.4	11707.9	12912.5	14125.4	15611.2
70°	1959.9	1914.7	2085.0	2735.6	4387.6	7779.9	9185.7	9471.0	9918.3	10735.1	11738.6
72.5°	773.7	771.6	882.5	1130.8	2074.8	5007.4	7724.5	7888.7	8046.7	8401.8	8834.8
75°	506.9	506.9	539.7	609.5	1022.0	2417.5	6534.2	6684.1	6926.2	7026.8	7211.5
77.5°	381.7	383.8	398.1	414.5	564.4	1272.4	4611.3	5142.8	5553.3	5859.1	6082.8
80°	270.9	283.2	309.9	320.1	367.3	724.4	2606.3	2990.1	3453.9	3948.5	4570.3
82.5°	203.2	217.5	262.7	275.0	291.4	412.5	1175.9	1333.9	1557.6	2019.4	2903.9
85°	94.4	104.7	180.6	197.0	211.4	238.1	597.2	667.0	757.3	829.1	966.6
87.5°	14.4	10.3	30.8	43.1	67.7	69.8	205.2	244.2	264.7	318.1	330.4
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: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3402.6	3404.6	3406.7	3402.6	3404.6	3404.6	3400.5	3398.5	3398.5	3398.5	3400.5
5°	3468.2	3472.3	3468.2	3470.3	3478.5	3476.4	3472.3	3470.3	3478.5	3480.5	3474.4
7.5°	3585.2	3587.3	3579.1	3589.3	3593.4	3595.5	3595.5	3599.6	3599.6	3605.7	3599.6
10°	3735.0	3735.0	3749.4	3747.3	3749.4	3753.5	3755.5	3763.8	3769.9	3769.9	3774.0
12.5°	3907.4	3909.5	3923.8	3925.9	3934.1	3936.1	3948.5	3940.2	3960.8	3960.8	3966.9
15°	4086.0	4100.3	4102.4	4122.9	4127.0	4129.0	4145.5	4145.5	4159.8	4161.9	4166.0
17.5°	4262.4	4274.8	4283.0	4299.4	4313.7	4319.9	4326.1	4338.4	4348.6	4352.7	4363.0
20°	4414.3	4426.6	4434.8	4451.2	4463.6	4473.8	4480.0	4494.3	4504.6	4508.7	4523.1
22.5°	4541.5	4549.8	4564.1	4586.7	4590.8	4603.1	4621.6	4631.8	4635.9	4648.3	4664.7
25°	4677.0	4689.3	4697.5	4718.0	4734.5	4755.0	4771.4	4787.8	4791.9	4808.3	4822.7
27.5°	4857.6	4869.9	4871.9	4913.0	4929.4	4958.1	4976.6	5001.2	5013.6	5027.9	5056.6
30°	5124.4	5153.1	5165.4	5212.6	5220.8	5253.7	5286.5	5294.7	5313.2	5315.2	5362.4
32.5°	5532.8	5573.8	5590.2	5639.5	5651.8	5682.6	5701.0	5744.1	5746.2	5766.7	5777.0
35°	6201.8	6191.5	6255.1	6267.5	6304.4	6331.1	6349.5	6349.5	6388.5	6390.6	6402.9
37.5°	7115.0	7094.5	7110.9	7037.0	7055.5	7022.7	7016.5	7024.7	7008.3	7012.4	7010.4
40°	8576.2	8483.8	8387.4	8159.6	8110.3	8015.9	7942.1	7882.5	7825.1	7763.5	7722.5
42.5°	10408.8	10275.4	10131.8	9766.5	9596.1	9413.5	9234.9	9132.3	8927.1	8801.9	8734.2
45°	12329.7	12173.7	11972.6	11668.9	11426.7	11231.8	10905.4	10751.5	10433.4	10275.4	10062.0
47.5°	13903.7	13905.8	13743.7	13435.8	13177.2	13048.0	12844.8	12547.2	12186.0	11982.9	11603.2
50°	15280.8	15278.7	15268.4	15083.8	14903.2	14761.6	14583.0	14314.2	14018.7	13788.8	13353.7
52.5°	16298.7	16434.1	16491.6	16489.5	16466.9	16401.3	16265.8	16033.9	15734.3	15605.0	15258.2
55°	17140.1	17435.6	17589.5	17926.1	17956.8	18065.6	17946.6	17948.6	17772.1	17784.5	17673.6
57.5°	18414.5	18954.2	19264.1	20009.1	20382.6	20834.0	20754.0	21131.6	21269.1	21443.6	21675.5
60°	19861.3	20868.9	21603.6	23085.3	23688.7	24419.3	24821.5	25250.4	25562.3	25882.5	26118.5
62.5°	20895.6	22219.3	23426.0	25537.7	26321.7	27091.2	27598.1	28117.3	28468.3	28698.1	28868.5
65°	20472.9	21936.1	23362.4	25576.7	26430.4	26988.6	27592.0	27891.6	28242.5	28433.4	28677.6
67.5°	17396.6	18863.9	20392.8	23005.3	23898.0	24669.6	25139.6	25527.5	25810.7	26052.8	26334.0
70°	12937.1	14542.0	16122.2	18987.1	20113.7	21228.1	21782.2	22262.4	22557.9	22802.1	23112.0
72.5°	9310.9	10316.5	11303.6	14511.2	15637.8	17078.5	17653.1	18186.7	18570.5	18558.1	18886.5
75°	7412.6	7821.0	8260.1	9916.3	10724.9	11939.8	12262.0	12561.6	12381.0	12034.2	12013.6
77.5°	6171.0	6339.3	6487.0	7006.2	7125.3	7414.6	7254.6	7088.3	6552.7	6101.2	5863.2
80°	5009.4	5341.9	5559.4	5928.8	6080.7	6166.9	6189.5	6132.0	5935.0	5662.0	5227.0
82.5°	3724.8	4356.8	4787.8	5514.3	5781.1	5836.5	5943.2	5877.5	5748.2	5526.6	5214.7
85°	1091.8	1235.4	1416.0	1920.9	2251.3	2532.4	2819.7	2961.3	3049.6	2926.5	2604.3
87.5°	383.8	433.0	484.3	667.0	710.1	857.8	841.4	993.3	999.4	1042.5	997.4
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: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3398.5	3398.5	3398.5	3400.5	3400.5	3400.5	3396.4	3394.4	3396.4	3400.5	3400.5
5°	3478.5	3480.5	3484.7	3476.4	3478.5	3484.7	3480.5	3478.5	3480.5	3484.7	3480.5
7.5°	3607.8	3609.8	3605.7	3613.9	3613.9	3618.0	3624.2	3618.0	3620.1	3622.2	3624.2
10°	3776.1	3778.1	3782.2	3788.4	3790.4	3794.5	3798.6	3804.8	3804.8	3800.7	3811.0
12.5°	3977.2	3975.1	3979.2	3987.4	3991.6	3997.7	4010.0	4010.0	4018.2	4016.2	4026.4
15°	4174.2	4184.5	4186.5	4200.9	4207.0	4217.3	4231.7	4239.9	4239.9	4252.2	4256.3
17.5°	4371.2	4379.4	4387.6	4399.9	4408.1	4414.3	4430.7	4441.0	4438.9	4461.5	4461.5
20°	4523.1	4539.5	4549.8	4558.0	4572.3	4582.6	4594.9	4607.2	4615.4	4629.8	4633.9
22.5°	4670.8	4681.1	4695.5	4705.7	4722.1	4734.5	4748.8	4759.1	4773.4	4791.9	4798.1
25°	4835.0	4851.4	4867.8	4882.2	4894.5	4908.9	4933.5	4956.1	4976.6	4993.0	4999.2
27.5°	5062.8	5081.3	5105.9	5116.2	5134.6	5146.9	5183.9	5212.6	5222.9	5251.6	5259.8
30°	5370.6	5391.2	5415.8	5428.1	5460.9	5477.4	5516.3	5547.1	5557.4	5592.3	5598.4
32.5°	5816.0	5828.3	5877.5	5875.5	5920.6	5967.8	5990.4	6015.0	6060.2	6078.6	6084.8
35°	6433.7	6462.4	6497.3	6495.2	6552.7	6579.4	6624.5	6651.2	6684.1	6682.0	6716.9
37.5°	7030.9	7041.1	7053.4	7080.1	7121.2	7158.1	7174.5	7201.2	7225.8	7262.8	7307.9
40°	7681.4	7706.1	7708.1	7722.5	7743.0	7790.2	7821.0	7849.7	7933.8	7987.2	8013.9
42.5°	8656.2	8650.1	8609.0	8635.7	8648.0	8719.8	8742.4	8830.7	8925.1	9037.9	9068.7
45°	9910.1	9828.0	9803.4	9793.2	9858.8	9895.8	9988.1	10152.3	10250.8	10357.5	10408.8
47.5°	11453.4	11196.9	11075.8	11049.1	11116.8	11274.8	11305.6	11467.8	11597.0	11675.0	11726.3
50°	12998.7	12797.6	12543.1	12456.9	12438.5	12584.2	12619.0	12754.5	12885.8	12908.4	12881.7
52.5°	14940.1	14611.7	14191.0	14039.2	13918.1	13928.4	13957.1	14014.5	14098.7	14063.8	13992.0
55°	17423.3	17049.8	16842.5	16555.2	16372.5	16339.7	16214.5	16042.1	16036.0	16058.6	15843.1
57.5°	21558.5	21402.5	21490.8	21460.0	21279.4	21388.1	20823.8	20663.7	20536.5	20314.8	20115.8
60°	26327.8	26487.9	26670.5	27091.2	27072.8	27495.5	27103.5	27005.0	26886.0	26202.6	25868.1
62.5°	29166.0	29229.6	29498.5	29890.5	30276.3	30680.6	30863.2	30926.8	30678.5	30120.3	29422.5
65°	28671.4	28952.6	29213.2	29551.8	29947.9	30352.2	30738.0	30963.8	30906.3	30536.9	29769.4
67.5°	26424.3	26719.8	27101.5	27456.5	27883.4	28234.3	28657.1	29071.6	29083.9	28899.2	28365.7
70°	23144.8	23487.6	23881.6	24080.6	24542.4	24860.5	25211.4	25621.9	25755.2	25777.8	25156.0
72.5°	18816.7	18960.4	19153.3	19048.6	19141.0	19344.1	19249.7	19282.6	18775.7	18870.1	18102.6
75°	11459.5	11328.2	10745.4	10213.9	9565.4	9066.7	9185.7	8233.5	7295.6	7248.4	6571.2
77.5°	5811.9	5602.5	5241.3	4865.8	4315.8	3685.8	3160.4	2594.0	2115.8	1842.9	1582.3
80°	4949.9	4802.2	4603.1	4330.2	3930.0	3464.1	2916.2	2485.2	2085.0	1668.4	1336.0
82.5°	4736.5	4285.0	3995.7	3767.9	3334.8	2903.9	2604.3	2308.7	2025.5	1769.0	1401.7
85°	2349.8	2078.9	1758.7	1559.7	1200.5	939.9	880.4	724.4	675.2	521.3	439.2
87.5°	790.1	646.4	482.3	406.3	324.2	264.7	260.6	231.9	229.8	209.3	192.9
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: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3398.5	3402.6	3402.6	3398.5	3400.5	3396.4	3398.5	3400.5	3394.4	3392.3	3386.1
5°	3482.6	3480.5	3480.5	3482.6	3488.8	3490.8	3480.5	3484.7	3486.7	3476.4	3453.9
7.5°	3622.2	3622.2	3628.3	3626.3	3638.6	3634.5	3632.4	3632.4	3632.4	3611.9	3575.0
10°	3811.0	3811.0	3817.1	3825.3	3827.4	3823.3	3823.3	3825.3	3835.6	3794.5	3737.1
12.5°	4022.3	4032.6	4030.5	4030.5	4055.2	4049.0	4040.8	4049.0	4059.3	4001.8	3919.7
15°	4258.3	4264.5	4268.6	4283.0	4278.9	4293.2	4297.3	4293.2	4303.5	4229.6	4092.1
17.5°	4471.8	4484.1	4488.2	4504.6	4504.6	4506.7	4523.1	4516.9	4519.0	4434.8	4237.8
20°	4648.3	4660.6	4666.7	4685.2	4689.3	4697.5	4703.7	4707.8	4718.0	4617.5	4356.8
22.5°	4824.7	4835.0	4845.3	4857.6	4874.0	4884.3	4892.5	4896.6	4915.0	4798.1	4469.7
25°	5021.8	5044.3	5054.6	5075.1	5091.5	5108.0	5120.3	5122.3	5153.1	5007.4	4562.1
27.5°	5284.4	5315.2	5331.6	5364.5	5380.9	5397.3	5393.2	5417.8	5460.9	5247.5	4633.9
30°	5629.2	5668.2	5678.5	5711.3	5738.0	5754.4	5772.9	5793.4	5822.1	5514.3	4668.8
32.5°	6109.4	6168.9	6183.3	6201.8	6240.8	6269.5	6281.8	6314.7	6322.9	5766.7	4658.5
35°	6768.2	6741.5	6811.3	6827.7	6883.1	6905.7	6920.1	6963.2	6930.3	6041.7	4590.8
37.5°	7363.3	7355.1	7422.8	7459.8	7531.6	7515.2	7550.1	7578.8	7461.8	6236.7	4465.6
40°	8089.8	8079.6	8174.0	8186.3	8297.1	8272.5	8286.8	8309.4	8048.8	6372.1	4237.8
42.5°	9103.6	9107.7	9208.3	9220.6	9234.9	9280.1	9206.2	9210.3	8672.6	6409.1	3862.3
45°	10439.6	10511.4	10449.9	10451.9	10447.8	10361.6	10269.3	10160.5	9321.1	6281.8	3377.9
47.5°	11734.5	11685.3	11607.3	11535.5	11476.0	11340.5	11205.1	11020.4	9881.4	5980.1	2838.2
50°	12842.7	12731.9	12662.1	12463.1	12321.5	12145.0	11956.2	11744.8	10341.1	5545.1	2333.4
52.5°	13872.9	13758.0	13497.4	13290.1	13086.9	12853.0	12633.4	12385.1	10747.4	5048.4	1947.5
55°	15584.5	15483.9	15223.3	14843.6	14593.3	14271.1	13981.7	13645.2	11570.4	4646.2	1693.1
57.5°	19567.8	19481.6	18933.7	18693.6	18363.2	17554.6	17435.6	16910.2	13776.5	4599.0	1543.3
60°	25176.5	24807.1	24351.5	23694.8	22921.1	22654.4	22059.2	21359.4	17326.8	4728.3	1422.2
62.5°	28620.1	27778.7	27109.7	26352.4	25640.3	25028.8	24378.2	23686.6	19143.0	4558.0	1272.4
65°	28878.7	27889.5	27005.0	26116.4	25316.1	24554.7	23922.6	23231.0	18552.0	3917.7	1077.4
67.5°	27454.5	26412.0	25447.4	24439.8	23631.2	22943.7	22139.3	21474.3	16885.6	3049.6	896.8
70°	24517.8	23602.5	22771.3	21685.7	21014.6	20177.3	19666.3	18835.2	14718.5	2078.9	740.8
72.5°	17659.3	16969.7	16698.8	15941.6	15063.2	14570.7	14334.7	13528.2	10876.7	1290.8	605.4
75°	5965.8	6136.1	5746.2	5149.0	5440.4	4991.0	5173.6	4789.9	4601.1	740.8	508.9
77.5°	1323.7	1243.6	1149.2	1067.1	1061.0	997.4	1056.9	999.4	1069.2	472.0	449.4
80°	1044.6	825.0	701.9	640.3	607.5	589.0	574.6	558.2	508.9	402.2	414.5
82.5°	1128.7	851.7	623.9	498.7	426.9	400.2	394.0	377.6	373.5	389.9	418.7
85°	361.2	301.7	256.5	242.2	223.7	213.4	209.3	203.2	246.3	424.8	402.2
87.5°	188.8	166.2	147.8	141.6	123.1	114.9	112.9	114.9	172.4	424.8	291.4
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: P158281

CATALOG NUMBER: VST-E10-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3380.0	3377.9	3373.8	3371.8	3369.7	3359.5	3367.7
5°	3443.6	3423.1	3404.6	3382.0	3369.7	3359.5	3359.5
7.5°	3540.1	3482.6	3435.4	3384.1	3349.2	3322.5	3318.4
10°	3661.1	3550.3	3441.6	3349.2	3283.5	3234.3	3228.1
12.5°	3776.1	3607.8	3435.4	3283.5	3180.9	3111.2	3107.0
15°	3882.8	3638.6	3388.2	3164.5	3010.6	2918.2	2908.0
17.5°	3966.9	3620.1	3281.5	2998.3	2789.0	2680.2	2674.0
20°	3985.4	3546.2	3129.6	2793.1	2571.4	2456.5	2429.8
22.5°	3969.0	3412.8	2940.8	2567.3	2312.8	2197.9	2183.6
25°	3919.7	3250.7	2706.9	2304.6	2068.6	1951.7	1922.9
27.5°	3831.5	3059.8	2454.4	2050.2	1816.2	1703.3	1674.6
30°	3700.1	2830.0	2185.6	1812.1	1569.9	1479.6	1450.9
32.5°	3517.5	2550.9	1920.9	1567.9	1366.8	1294.9	1282.6
35°	3265.1	2230.8	1643.8	1366.8	1219.0	1175.9	1169.8
37.5°	2942.9	1910.6	1411.9	1223.1	1116.4	1089.7	1085.6
40°	2522.2	1582.3	1247.7	1120.5	1042.5	1019.9	1015.8
42.5°	2089.2	1336.0	1126.7	1038.4	974.8	954.3	948.1
45°	1709.5	1169.8	1036.4	970.7	911.2	888.6	886.6
47.5°	1426.3	1073.3	962.5	909.1	849.6	822.9	825.0
50°	1219.0	985.1	900.9	855.8	788.0	763.4	765.5
52.5°	1077.4	896.8	843.5	792.2	734.7	710.1	710.1
55°	966.6	825.0	788.0	732.6	687.5	664.9	662.9
57.5°	876.3	767.5	734.7	689.5	644.4	617.7	617.7
60°	820.9	726.5	699.8	658.8	605.4	576.7	574.6
62.5°	788.0	714.2	691.6	634.1	574.6	545.9	539.7
65°	763.4	742.9	714.2	619.8	550.0	519.2	513.1
67.5°	765.5	810.6	769.6	628.0	541.8	496.6	488.4
70°	777.8	864.0	808.6	646.4	576.7	486.4	467.9
72.5°	716.2	781.9	728.5	615.7	562.3	467.9	445.3
75°	597.2	570.5	523.3	500.7	504.8	424.8	416.6
77.5°	484.3	424.8	379.7	398.1	424.8	363.2	355.0
80°	420.7	344.8	322.2	353.0	385.8	309.9	289.4
82.5°	394.0	291.4	277.0	367.3	404.3	266.8	234.0
85°	346.8	238.1	217.5	433.0	404.3	201.1	186.8
87.5°	231.9	141.6	135.4	318.1	277.0	139.6	112.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)