

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: McGRAW-EDISON

Report Number: P158168

Luminaire Tested: **VTS-E10-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158168
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: MCGRAW-EDISON
Catalog Number: VTS-E10-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (210) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

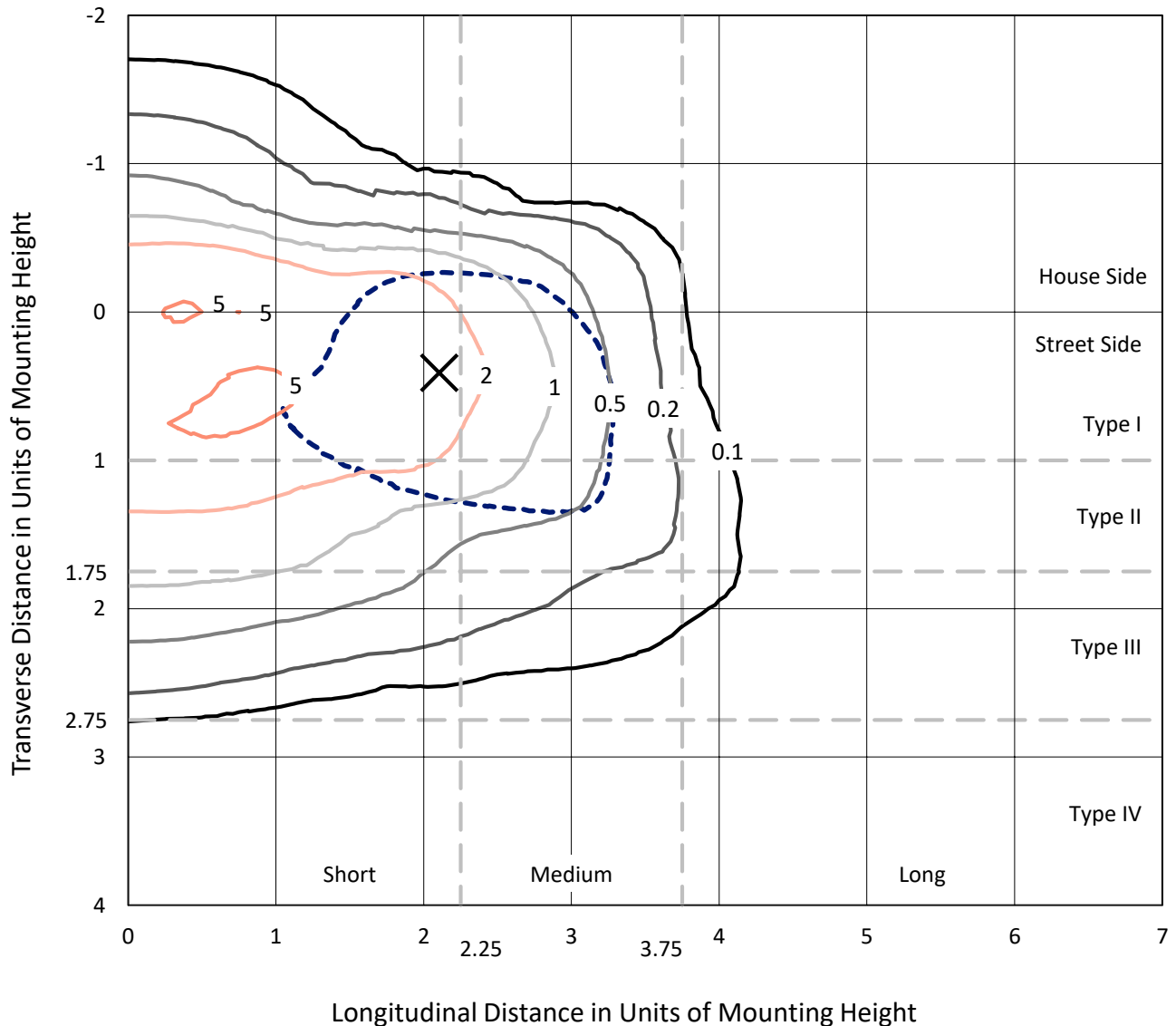
Lumens per Lamp: N/A
Luminaire Lumens: 25393.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

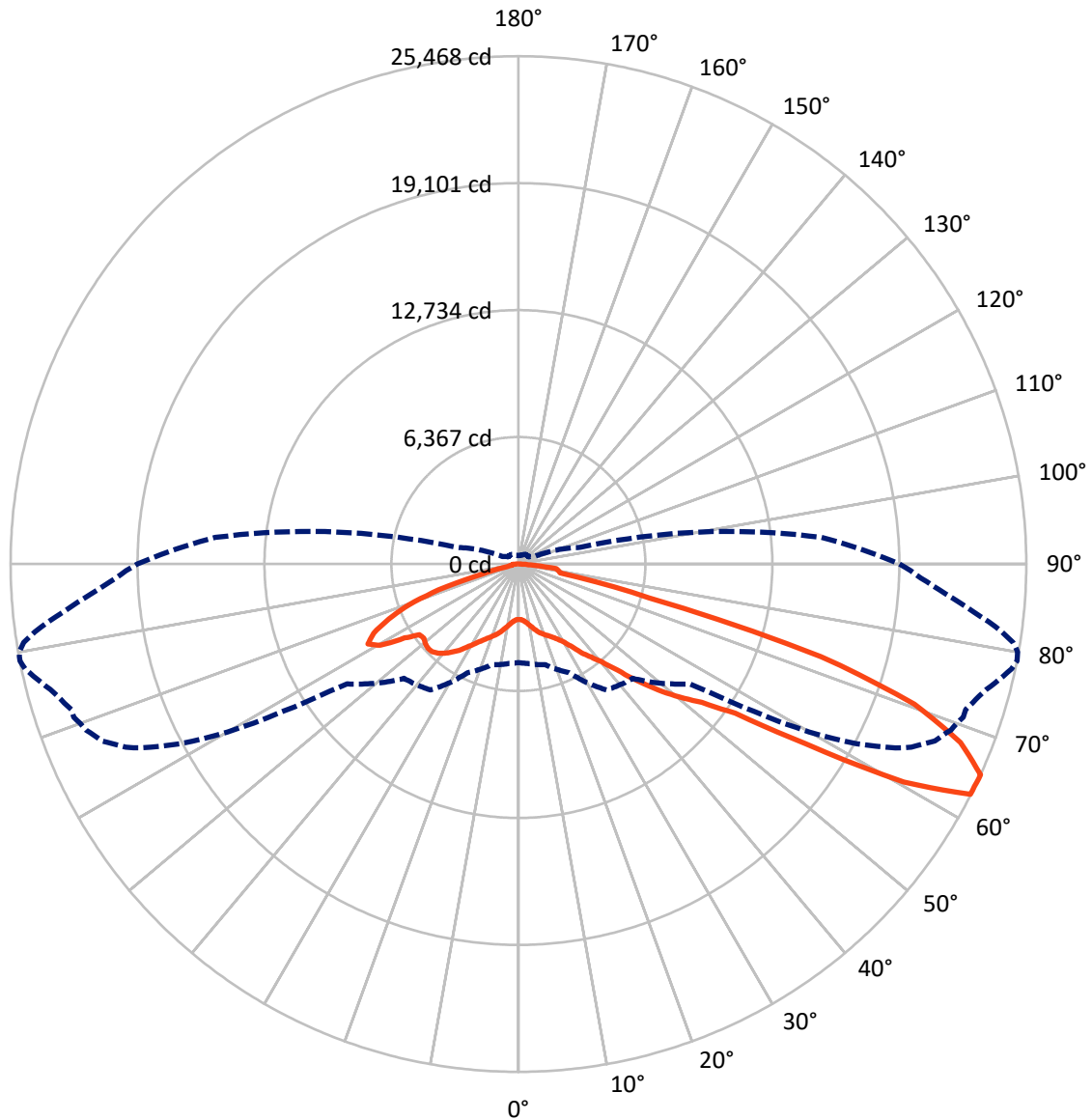
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5835.0	0.0	5835.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19558.7	0.0	19558.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	25393.7	0.0	25393.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.9	1.1
10°-20°	892.8	3.5
20°-30°	1539.1	6.1
30°-40°	2521.0	9.9
40°-50°	4221.8	16.6
50°-60°	5710.6	22.5
60°-70°	7032.6	27.7
70°-80°	2722.2	10.7
80°-90°	478.7	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°	25393.7	100.0
0°-180°	25393.7	100.0



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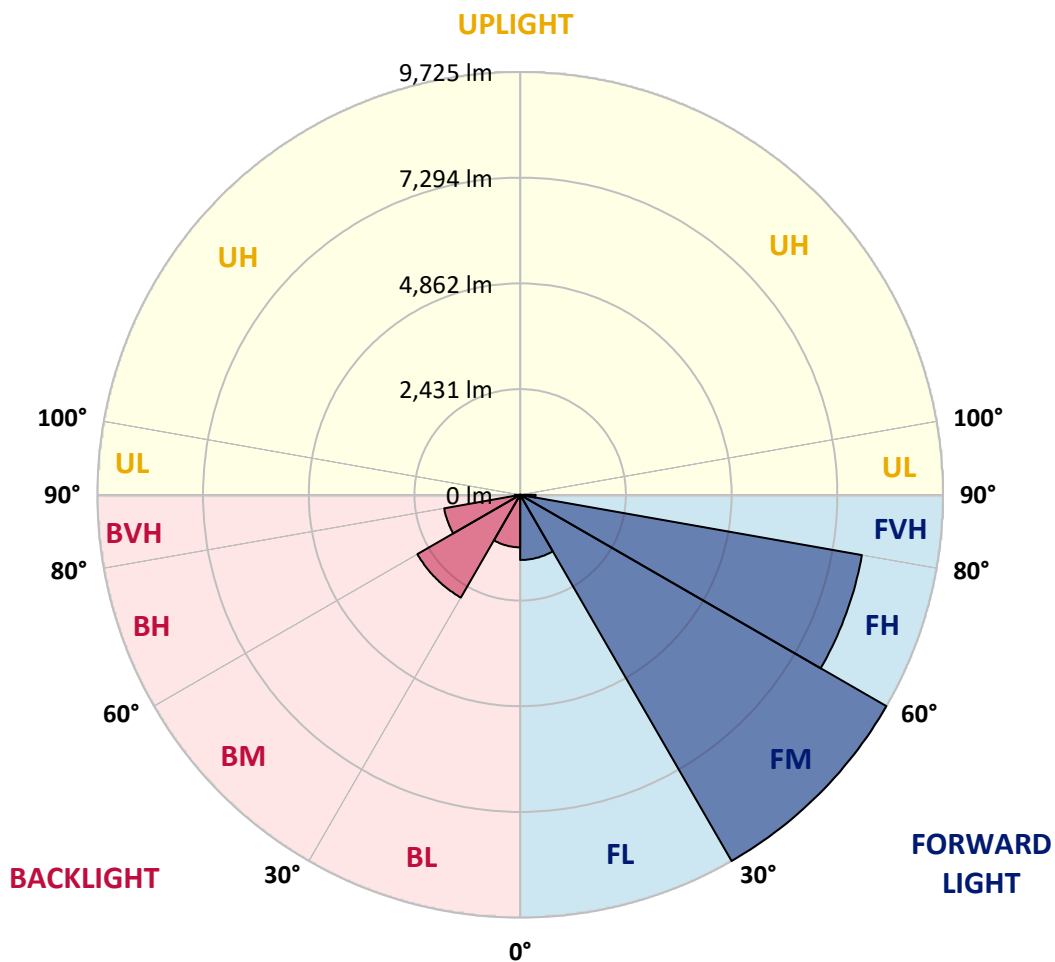
CATALOG NUMBER: VTS-E10-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1499.2	5.9			
FM (30°-60°)	9724.7	38.3			
FH (60°-80°)	7979.6	31.4			G4/12000
FVH (80°-90°)	355.2	1.4			G3/500
BL (0°-30°)	1207.6	4.8	B3/2500		
BM (30°-60°)	2728.7	10.7	B3/5000		
BH (60°-80°)	1775.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	123.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4
2.5°	2783.5	2775.0	2783.5	2790.2	2795.3	2802.0	2800.4	2798.7	2797.0	2798.7	2798.7
5°	2807.1	2805.4	2813.9	2820.6	2832.4	2840.9	2851.0	2851.0	2851.0	2849.3	2852.7
7.5°	2883.1	2881.4	2889.8	2896.6	2906.7	2923.6	2937.1	2943.8	2942.2	2942.2	2942.2
10°	3008.0	3001.2	3001.2	3001.2	3014.7	3026.6	3056.9	3060.3	3067.1	3063.7	3065.4
12.5°	3129.5	3131.2	3126.1	3121.1	3122.8	3146.4	3190.3	3198.7	3200.4	3205.5	3208.9
15°	3239.2	3237.5	3225.7	3213.9	3229.1	3269.6	3327.0	3342.2	3342.2	3352.3	3359.1
17.5°	3340.5	3337.1	3315.2	3294.9	3310.1	3379.3	3468.8	3478.9	3494.1	3499.2	3505.9
20°	3460.4	3453.6	3428.3	3374.3	3374.3	3468.8	3587.0	3597.1	3610.6	3614.0	3625.8
22.5°	3627.5	3610.6	3556.6	3458.7	3431.7	3541.4	3686.6	3691.6	3701.7	3715.2	3725.4
25°	3816.5	3819.9	3732.1	3561.6	3502.6	3617.3	3782.8	3791.2	3809.8	3819.9	3831.7
27.5°	4012.3	4017.4	3919.5	3706.8	3607.2	3722.0	3912.7	3922.9	3944.8	3956.6	3975.2
30°	4235.1	4241.9	4147.4	3933.0	3781.1	3875.6	4105.2	4132.2	4150.7	4165.9	4196.3
32.5°	4770.2	4729.7	4663.9	4436.0	4196.3	4189.6	4415.8	4446.1	4471.5	4503.5	4532.2
35°	5443.7	5469.1	5502.8	5349.2	5138.2	4984.6	5003.2	4986.3	5009.9	5057.2	5085.9
37.5°	5977.1	6032.8	6179.7	6279.3	6270.9	6240.5	5956.9	5956.9	5972.1	5946.8	5943.4
40°	6395.8	6431.2	6731.7	7118.2	7444.0	7604.4	7379.9	7347.8	7364.7	7234.7	7239.8
42.5°	6611.8	6664.2	7096.3	7774.8	8421.3	8936.2	8867.0	8845.0	8794.4	8762.3	8742.1
45°	6721.5	6784.0	7298.8	8230.6	9172.5	9967.5	10325.4	10322.0	10276.4	10239.3	10222.4
47.5°	6665.8	6719.9	7268.4	8369.0	9567.5	10632.6	11424.3	11473.2	11459.7	11513.7	11535.7
50°	6301.2	6370.4	6920.7	8070.2	9402.1	10894.2	12185.5	12276.7	12399.9	12477.6	12580.5
52.5°	5972.1	6029.5	6525.7	7585.8	8858.5	10681.5	12644.7	12832.0	13000.8	13159.5	13282.7
55°	5627.7	5685.1	6120.6	7082.8	8309.9	10053.6	12854.0	13127.4	13390.8	13659.1	13905.6
57.5°	5497.8	5558.5	5882.6	6692.8	7860.9	9430.8	12956.9	13406.0	13834.7	14290.5	14763.1
60°	5835.4	5889.4	6135.8	6703.0	7518.3	8807.9	12749.3	13454.9	14192.6	14943.7	15669.5
62.5°	5732.4	5761.1	6068.3	6947.7	7955.5	8193.5	11849.6	12781.4	13853.3	14953.8	16066.2
65°	4945.8	5001.5	5232.7	6005.8	7710.7	8110.8	10479.0	11415.8	12680.1	13981.6	15472.0
67.5°	3548.1	3470.5	3649.4	4326.3	5982.2	8097.2	8936.2	9629.9	10620.8	11618.4	12840.5
70°	1612.0	1574.9	1715.0	2250.1	3608.9	6399.1	7555.4	7790.0	8158.0	8829.8	9655.3
72.5°	636.4	634.7	725.8	930.1	1706.5	4118.7	6353.6	6488.6	6618.6	6910.6	7266.8
75°	416.9	416.9	443.9	501.3	840.6	1988.4	5374.5	5497.8	5696.9	5779.6	5931.6
77.5°	314.0	315.7	327.5	341.0	464.2	1046.5	3792.9	4230.1	4567.7	4819.2	5003.2
80°	222.8	232.9	254.9	263.3	302.1	595.9	2143.7	2459.4	2840.9	3247.7	3759.1
82.5°	167.1	178.9	216.1	226.2	239.7	339.3	967.2	1097.2	1281.2	1661.0	2388.5
85°	77.6	86.1	148.5	162.0	173.9	195.8	491.2	548.6	622.9	681.9	795.0
87.5°	11.8	8.4	25.3	35.4	55.7	57.4	168.8	200.9	217.7	261.6	271.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4
2.5°	2798.7	2800.4	2802.0	2798.7	2800.4	2800.4	2797.0	2795.3	2795.3	2795.3	2797.0
5°	2852.7	2856.1	2852.7	2854.4	2861.1	2859.4	2856.1	2854.4	2861.1	2862.8	2857.8
7.5°	2948.9	2950.6	2943.8	2952.3	2955.7	2957.3	2957.3	2960.7	2960.7	2965.8	2960.7
10°	3072.1	3072.1	3083.9	3082.3	3083.9	3087.3	3089.0	3095.8	3100.8	3100.8	3104.2
12.5°	3213.9	3215.6	3227.4	3229.1	3235.9	3237.5	3247.7	3240.9	3257.8	3257.8	3262.9
15°	3360.8	3372.6	3374.3	3391.2	3394.5	3396.2	3409.7	3409.7	3421.5	3423.2	3426.6
17.5°	3505.9	3516.1	3522.8	3536.3	3548.1	3553.2	3558.3	3568.4	3576.8	3580.2	3588.6
20°	3630.8	3641.0	3647.7	3661.2	3671.4	3679.8	3684.9	3696.7	3705.1	3708.5	3720.3
22.5°	3735.5	3742.3	3754.1	3772.6	3776.0	3786.1	3801.3	3809.8	3813.2	3823.3	3836.8
25°	3846.9	3857.0	3863.8	3880.7	3894.2	3911.1	3924.6	3938.1	3941.4	3954.9	3966.8
27.5°	3995.5	4005.6	4007.3	4041.0	4054.5	4078.2	4093.4	4113.6	4123.7	4135.6	4159.2
30°	4214.9	4238.5	4248.7	4287.5	4294.2	4321.2	4348.2	4355.0	4370.2	4371.9	4410.7
32.5°	4550.8	4584.6	4598.1	4638.6	4648.7	4674.0	4689.2	4724.7	4726.3	4743.2	4751.7
35°	5101.1	5092.6	5145.0	5155.1	5185.5	5207.4	5222.6	5222.6	5254.7	5256.4	5266.5
37.5°	5852.2	5835.4	5848.9	5788.1	5803.3	5776.3	5771.2	5778.0	5764.5	5767.8	5766.1
40°	7054.1	6978.1	6898.8	6711.4	6670.9	6593.3	6532.5	6483.5	6436.3	6385.6	6351.9
42.5°	8561.4	8451.7	8333.6	8033.1	7893.0	7742.8	7595.9	7511.5	7342.7	7239.8	7184.1
45°	10141.4	10013.1	9847.7	9597.9	9398.7	9238.3	8969.9	8843.3	8581.7	8451.7	8276.2
47.5°	11436.1	11437.8	11304.4	11051.2	10838.5	10732.2	10565.1	10320.3	10023.2	9856.1	9543.8
50°	12568.7	12567.0	12558.6	12406.7	12258.1	12141.7	11994.8	11773.7	11530.6	11341.6	10983.7
52.5°	13406.0	13517.4	13564.6	13562.9	13544.4	13490.4	13378.9	13188.2	12941.8	12835.4	12550.1
55°	14098.0	14341.1	14467.7	14744.5	14769.8	14859.3	14761.4	14763.1	14617.9	14628.1	14536.9
57.5°	15146.3	15590.2	15845.1	16457.8	16765.0	17136.4	17070.6	17381.1	17494.2	17637.7	17828.5
60°	16336.3	17165.1	17769.4	18988.1	19484.4	20085.3	20416.1	20768.9	21025.5	21288.8	21482.9
62.5°	17187.0	18275.8	19268.3	21005.2	21650.1	22283.0	22700.0	23127.0	23415.7	23604.7	23744.8
65°	16839.3	18042.8	19216.0	21037.3	21739.5	22198.6	22694.9	22941.4	23230.0	23387.0	23587.9
67.5°	14309.0	15515.9	16773.5	18922.3	19656.5	20291.2	20677.8	20996.8	21229.7	21428.9	21660.2
70°	10641.0	11961.0	13260.8	15617.2	16543.9	17460.5	17916.2	18311.2	18554.3	18755.2	19010.1
72.5°	7658.4	8485.5	9297.4	11935.7	12862.4	14047.4	14520.0	14958.9	15274.5	15264.4	15534.5
75°	6097.0	6432.9	6794.1	8156.3	8821.4	9820.7	10085.7	10332.1	10183.6	9898.3	9881.4
77.5°	5075.8	5214.2	5335.7	5762.8	5860.7	6098.7	5967.0	5830.3	5389.7	5018.4	4822.6
80°	4120.4	4393.8	4572.7	4876.6	5001.5	5072.4	5091.0	5043.7	4881.6	4657.1	4299.3
82.5°	3063.7	3583.6	3938.1	4535.6	4755.0	4800.6	4888.4	4834.4	4728.0	4545.7	4289.2
85°	898.0	1016.2	1164.7	1580.0	1851.7	2083.0	2319.3	2435.8	2508.3	2407.1	2142.0
87.5°	315.7	356.2	398.4	548.6	584.0	705.6	692.1	817.0	822.0	857.5	820.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4
2.5°	2795.3	2795.3	2795.3	2797.0	2797.0	2797.0	2793.6	2791.9	2793.6	2797.0	2797.0
5°	2861.1	2862.8	2866.2	2859.4	2861.1	2866.2	2862.8	2861.1	2862.8	2866.2	2862.8
7.5°	2967.5	2969.2	2965.8	2972.5	2972.5	2975.9	2981.0	2975.9	2977.6	2979.3	2981.0
10°	3105.9	3107.6	3111.0	3116.0	3117.7	3121.1	3124.5	3129.5	3129.5	3126.1	3134.6
12.5°	3271.3	3269.6	3273.0	3279.7	3283.1	3288.2	3298.3	3298.3	3305.1	3303.4	3311.8
15°	3433.4	3441.8	3443.5	3455.3	3460.4	3468.8	3480.6	3487.4	3487.4	3497.5	3500.9
17.5°	3595.4	3602.2	3608.9	3619.0	3625.8	3630.8	3644.4	3652.8	3651.1	3669.7	3669.7
20°	3720.3	3733.8	3742.3	3749.0	3760.8	3769.3	3779.4	3789.5	3796.3	3808.1	3811.5
22.5°	3841.8	3850.3	3862.1	3870.5	3884.0	3894.2	3906.0	3914.4	3926.2	3941.4	3946.5
25°	3976.9	3990.4	4003.9	4015.7	4025.8	4037.7	4057.9	4076.5	4093.4	4106.9	4111.9
27.5°	4164.3	4179.4	4199.7	4208.1	4223.3	4233.5	4263.8	4287.5	4295.9	4319.5	4326.3
30°	4417.4	4434.3	4454.6	4464.7	4491.7	4505.2	4537.3	4562.6	4571.1	4599.8	4604.8
32.5°	4783.7	4793.9	4834.4	4832.7	4869.8	4908.7	4927.2	4947.5	4984.6	4999.8	5004.9
35°	5291.8	5315.5	5344.2	5342.5	5389.7	5411.7	5448.8	5470.7	5497.8	5496.1	5524.8
37.5°	5783.0	5791.5	5801.6	5823.5	5857.3	5887.7	5901.2	5923.1	5943.4	5973.8	6010.9
40°	6318.1	6338.4	6340.1	6351.9	6368.8	6407.6	6432.9	6456.5	6525.7	6569.6	6591.6
42.5°	7119.9	7114.8	7081.1	7103.0	7113.2	7172.2	7190.8	7263.4	7341.0	7433.9	7459.2
45°	8151.3	8083.7	8063.5	8055.0	8109.1	8139.4	8215.4	8350.4	8431.5	8519.2	8561.4
47.5°	9420.6	9209.6	9110.0	9088.1	9143.8	9273.8	9299.1	9432.4	9538.8	9602.9	9645.1
50°	10691.7	10526.3	10316.9	10246.0	10230.9	10350.7	10379.4	10490.8	10598.8	10617.4	10595.5
52.5°	12288.5	12018.4	11672.4	11547.5	11447.9	11456.3	11480.0	11527.2	11596.4	11567.7	11508.7
55°	14331.0	14023.8	13853.3	13616.9	13466.7	13439.7	13336.7	13195.0	13189.9	13208.5	13031.2
57.5°	17732.2	17604.0	17676.5	17651.2	17502.7	17592.1	17128.0	16996.3	16891.6	16709.3	16545.6
60°	21655.1	21786.8	21937.0	22283.0	22267.9	22615.6	22293.2	22212.2	22114.3	21552.2	21277.0
62.5°	23989.6	24041.9	24263.1	24585.5	24902.8	25235.3	25385.6	25437.9	25233.6	24774.5	24200.6
65°	23582.8	23814.0	24028.4	24306.9	24632.7	24965.3	25282.6	25468.3	25421.0	25117.2	24485.9
67.5°	21734.5	21977.5	22291.5	22583.5	22934.6	23223.3	23571.0	23912.0	23922.1	23770.2	23331.3
70°	19037.1	19319.0	19643.0	19806.8	20186.6	20448.2	20736.9	21074.5	21184.2	21202.7	20691.3
72.5°	15477.1	15595.3	15753.9	15667.8	15743.8	15910.9	15833.3	15860.3	15443.3	15521.0	14889.7
75°	9425.7	9317.7	8838.3	8401.1	7867.7	7457.5	7555.4	6772.2	6000.8	5962.0	5404.9
77.5°	4780.4	4608.2	4311.1	4002.2	3549.8	3031.6	2599.5	2133.6	1740.3	1515.8	1301.4
80°	4071.4	3949.9	3786.1	3561.6	3232.5	2849.3	2398.6	2044.1	1715.0	1372.3	1098.9
82.5°	3895.9	3524.5	3286.5	3099.1	2743.0	2388.5	2142.0	1899.0	1666.0	1455.0	1152.9
85°	1932.7	1709.9	1446.6	1282.9	987.5	773.1	724.1	595.9	555.3	428.7	361.2
87.5°	649.9	531.7	396.7	334.2	266.7	217.7	214.4	190.7	189.1	172.2	158.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4
2.5°	2795.3	2798.7	2798.7	2795.3	2797.0	2793.6	2795.3	2797.0	2791.9	2790.2	2785.2
5°	2864.5	2862.8	2862.8	2864.5	2869.6	2871.3	2862.8	2866.2	2867.9	2859.4	2840.9
7.5°	2979.3	2979.3	2984.4	2982.7	2992.8	2989.4	2987.7	2987.7	2987.7	2970.8	2940.5
10°	3134.6	3134.6	3139.6	3146.4	3148.1	3144.7	3144.7	3146.4	3154.8	3121.1	3073.8
12.5°	3308.4	3316.9	3315.2	3315.2	3335.5	3330.4	3323.6	3330.4	3338.8	3291.6	3224.0
15°	3502.6	3507.6	3511.0	3522.8	3519.4	3531.3	3534.6	3531.3	3539.7	3478.9	3365.8
17.5°	3678.1	3688.2	3691.6	3705.1	3705.1	3706.8	3720.3	3715.2	3716.9	3647.7	3485.7
20°	3823.3	3833.4	3838.5	3853.7	3857.0	3863.8	3868.9	3872.2	3880.7	3798.0	3583.6
22.5°	3968.4	3976.9	3985.3	3995.5	4009.0	4017.4	4024.1	4027.5	4042.7	3946.5	3676.4
25°	4130.5	4149.1	4157.5	4174.4	4187.9	4201.4	4211.5	4213.2	4238.5	4118.7	3752.4
27.5°	4346.6	4371.9	4385.4	4412.4	4425.9	4439.4	4436.0	4456.3	4491.7	4316.2	3811.5
30°	4630.1	4662.2	4670.6	4697.7	4719.6	4733.1	4748.3	4765.2	4788.8	4535.6	3840.2
32.5°	5025.1	5074.1	5085.9	5101.1	5133.2	5156.8	5166.9	5193.9	5200.7	4743.2	3831.7
35°	5567.0	5545.0	5602.4	5615.9	5661.5	5680.1	5691.9	5727.3	5700.3	4969.4	3776.0
37.5°	6056.5	6049.7	6105.4	6135.8	6194.9	6181.4	6210.1	6233.7	6137.5	5129.8	3673.0
40°	6654.0	6645.6	6723.2	6733.4	6824.5	6804.3	6816.1	6834.6	6620.3	5241.2	3485.7
42.5°	7487.9	7491.3	7574.0	7584.1	7595.9	7633.1	7572.3	7575.7	7133.4	5271.6	3176.8
45°	8586.8	8645.8	8595.2	8596.9	8593.5	8522.6	8446.7	8357.2	7666.8	5166.9	2778.4
47.5°	9651.9	9611.4	9547.2	9488.1	9439.2	9327.8	9216.4	9064.5	8127.6	4918.8	2334.5
50°	10563.4	10472.2	10414.8	10251.1	10134.6	9989.5	9834.2	9660.3	8505.7	4560.9	1919.2
52.5°	11410.8	11316.2	11101.9	10931.4	10764.3	10571.8	10391.2	10187.0	8840.0	4152.4	1601.9
55°	12818.5	12735.8	12521.4	12209.2	12003.2	11738.2	11500.2	11223.4	9516.8	3821.6	1392.6
57.5°	16094.9	16024.0	15573.3	15375.8	15104.1	14439.0	14341.1	13909.0	11331.4	3782.8	1269.4
60°	20708.2	20404.3	20029.6	19489.4	18853.1	18633.6	18144.1	17568.5	14251.6	3889.1	1169.8
62.5°	23540.6	22848.5	22298.2	21675.4	21089.6	20586.6	20051.5	19482.7	15745.5	3749.0	1046.5
65°	23753.3	22939.7	22212.2	21481.3	20822.9	20196.7	19676.8	19108.0	15259.4	3222.4	886.2
67.5°	22581.8	21724.3	20931.0	20102.2	19437.1	18871.6	18209.9	17663.0	13888.7	2508.3	737.6
70°	20166.3	19413.5	18729.8	17836.9	17284.9	16596.2	16175.9	15492.3	12106.2	1709.9	609.4
72.5°	14525.1	13957.9	13735.1	13112.2	12389.8	11984.7	11790.6	11127.2	8946.3	1061.7	498.0
75°	4907.0	5047.1	4726.3	4235.1	4474.8	4105.2	4255.4	3939.7	3784.5	609.4	418.6
77.5°	1088.7	1022.9	945.3	877.8	872.7	820.4	869.3	822.0	879.4	388.2	369.7
80°	859.2	678.6	577.3	526.7	499.6	484.5	472.6	459.1	418.6	330.8	341.0
82.5°	928.4	700.5	513.1	410.2	351.1	329.2	324.1	310.6	307.2	320.7	344.3
85°	297.1	248.1	211.0	199.2	184.0	175.6	172.2	167.1	202.6	349.4	330.8
87.5°	155.3	136.7	121.5	116.5	101.3	94.5	92.8	94.5	141.8	349.4	239.7
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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CATALOG NUMBER: VTS-E10-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4	2778.4
2.5°	2780.1	2778.4	2775.0	2773.4	2771.7	2763.2	2770.0
5°	2832.4	2815.6	2800.4	2781.8	2771.7	2763.2	2763.2
7.5°	2911.8	2864.5	2825.7	2783.5	2754.8	2732.8	2729.5
10°	3011.4	2920.2	2830.7	2754.8	2700.8	2660.3	2655.2
12.5°	3105.9	2967.5	2825.7	2700.8	2616.4	2559.0	2555.6
15°	3193.7	2992.8	2786.9	2602.9	2476.3	2400.3	2391.9
17.5°	3262.9	2977.6	2699.1	2466.1	2294.0	2204.5	2199.4
20°	3278.1	2916.8	2574.2	2297.3	2115.0	2020.5	1998.6
22.5°	3264.6	2807.1	2418.9	2111.7	1902.4	1807.8	1796.0
25°	3224.0	2673.8	2226.4	1895.6	1701.5	1605.3	1581.6
27.5°	3151.5	2516.8	2018.8	1686.3	1493.9	1401.0	1377.4
30°	3043.4	2327.7	1797.7	1490.5	1291.3	1217.0	1193.4
32.5°	2893.2	2098.2	1580.0	1289.6	1124.2	1065.1	1055.0
35°	2685.6	1834.8	1352.1	1124.2	1002.7	967.2	962.1
37.5°	2420.6	1571.5	1161.3	1006.0	918.3	896.3	892.9
40°	2074.5	1301.4	1026.3	921.6	857.5	838.9	835.6
42.5°	1718.4	1098.9	926.7	854.1	801.8	784.9	779.8
45°	1406.1	962.1	852.4	798.4	749.5	730.9	729.2
47.5°	1173.1	882.8	791.7	747.8	698.8	676.9	678.6
50°	1002.7	810.2	741.0	703.9	648.2	627.9	629.6
52.5°	886.2	737.6	693.8	651.6	604.3	584.0	584.0
55°	795.0	678.6	648.2	602.6	565.5	546.9	545.2
57.5°	720.8	631.3	604.3	567.2	530.0	508.1	508.1
60°	675.2	597.5	575.6	541.8	498.0	474.3	472.6
62.5°	648.2	587.4	568.8	521.6	472.6	449.0	443.9
65°	627.9	611.0	587.4	509.8	452.4	427.1	422.0
67.5°	629.6	666.8	633.0	516.5	445.6	408.5	401.7
70°	639.7	710.6	665.1	531.7	474.3	400.1	384.9
72.5°	589.1	643.1	599.2	506.4	462.5	384.9	366.3
75°	491.2	469.3	430.4	411.9	415.2	349.4	342.7
77.5°	398.4	349.4	312.3	327.5	349.4	298.8	292.0
80°	346.0	283.6	265.0	290.3	317.3	254.9	238.0
82.5°	324.1	239.7	227.9	302.1	332.5	219.4	192.4
85°	285.3	195.8	178.9	356.2	332.5	165.4	153.6
87.5°	190.7	116.5	111.4	261.6	227.9	114.8	92.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)