

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: P158159

Luminaire Tested: **VTS-E09-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158159
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-E09-LED-E1-SL2-7030
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (189) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

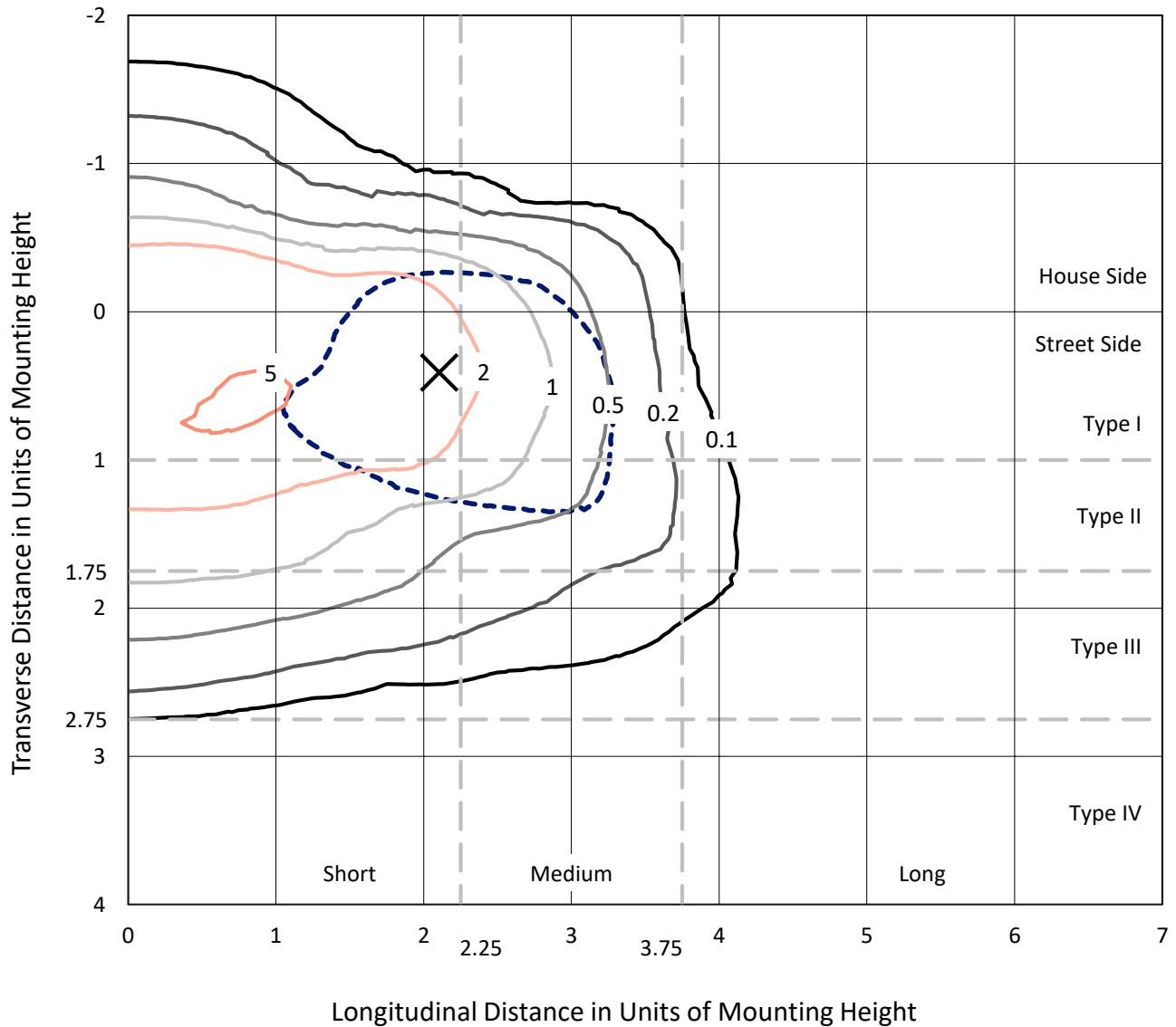
Lumens per Lamp: N/A
Luminaire Lumens: 24732.5 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 225.7
Input Voltage (V): NR
Input Current (A_{in}): 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

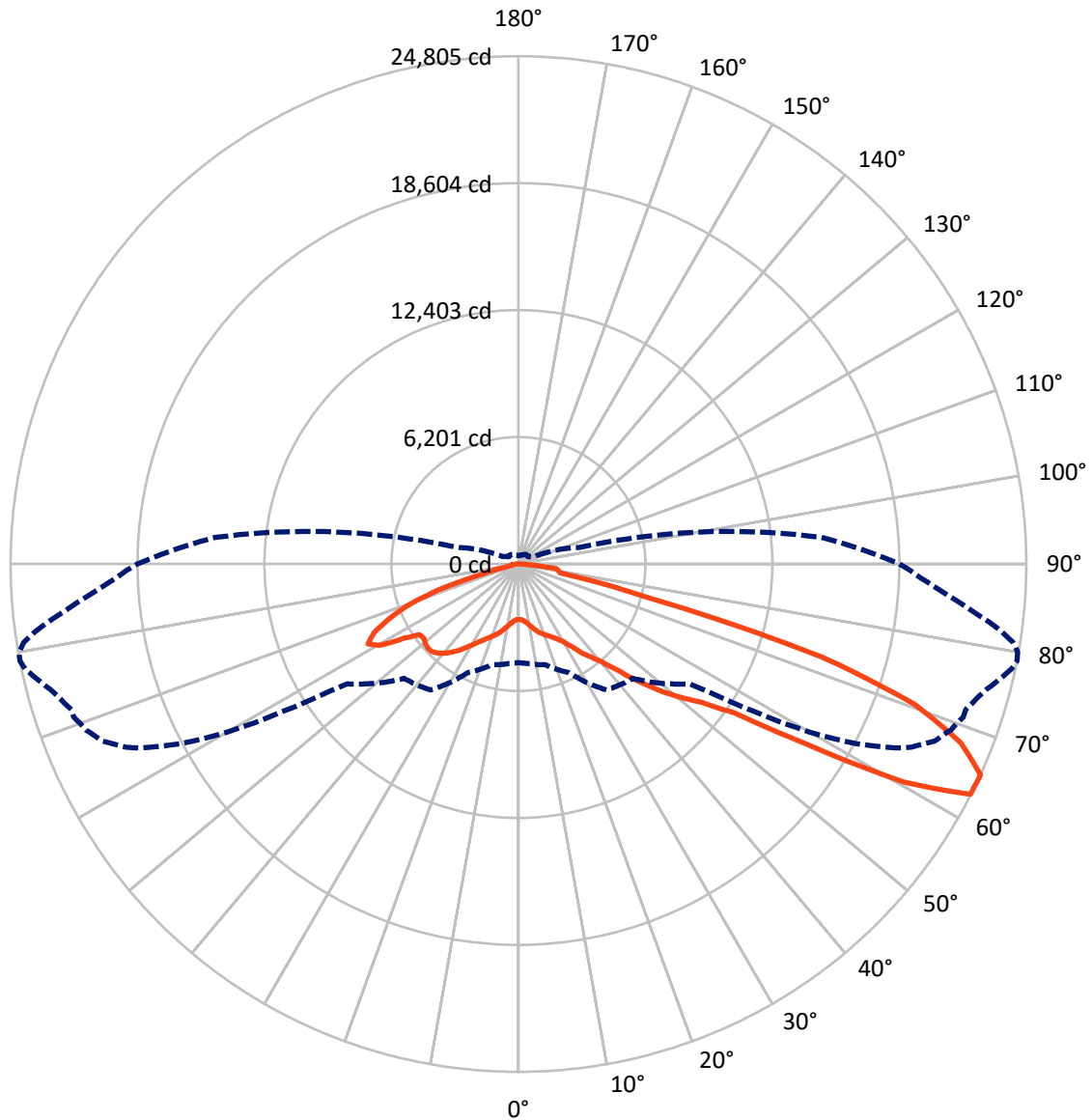
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	5683.1	0.0	5683.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19049.4	0.0	19049.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	24732.5	0.0	24732.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.7	1.1
10°-20°	869.5	3.5
20°-30°	1499.0	6.1
30°-40°	2455.4	9.9
40°-50°	4111.9	16.6
50°-60°	5561.9	22.5
60°-70°	6849.5	27.7
70°-80°	2651.4	10.7
80°-90°	466.3	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°	24732.5	100.0
0°-180°	24732.5	100.0



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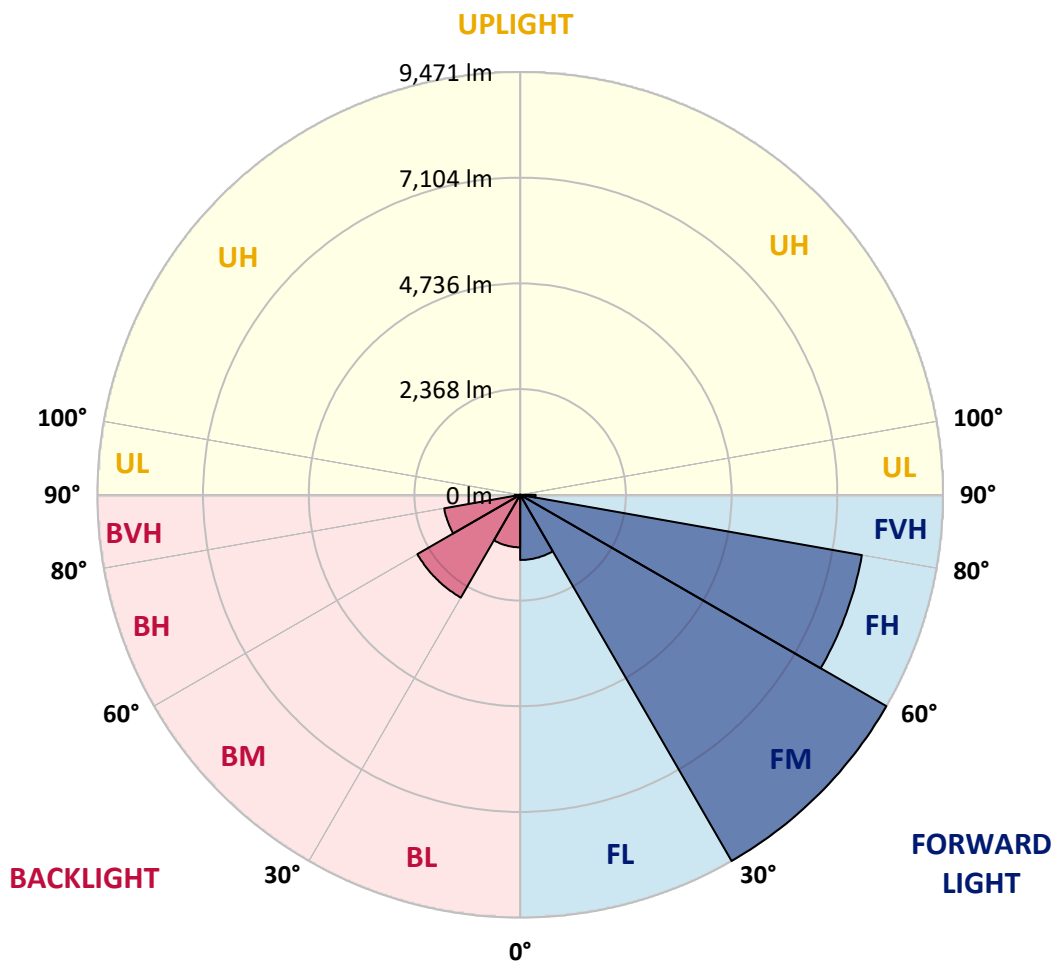
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.1	5.9			
FM (30°-60°)	9471.5	38.3			
FH (60°-80°)	7771.8	31.4			G4/12000
FVH (80°-90°)	346.0	1.4			G3/500
BL (0°-30°)	1176.1	4.8	B3/2500		
BM (30°-60°)	2657.7	10.7	B3/5000		
BH (60°-80°)	1729.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	120.3	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°	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1
2.5°	2711.0	2702.8	2711.0	2717.6	2722.5	2729.1	2727.4	2725.8	2724.2	2725.8	2725.8
5°	2734.0	2732.4	2740.6	2747.2	2758.7	2766.9	2776.8	2776.8	2776.8	2775.1	2778.4
7.5°	2808.0	2806.4	2814.6	2821.2	2831.0	2847.5	2860.6	2867.2	2865.5	2865.5	2865.5
10°	2929.7	2923.1	2923.1	2923.1	2936.2	2947.7	2977.3	2980.6	2987.2	2983.9	2985.6
12.5°	3048.0	3049.7	3044.7	3039.8	3041.5	3064.5	3107.2	3115.4	3117.1	3122.0	3125.3
15°	3154.9	3153.3	3141.7	3130.2	3145.0	3184.5	3240.4	3255.2	3255.2	3265.0	3271.6
17.5°	3253.5	3250.2	3228.9	3209.1	3223.9	3291.3	3378.5	3388.3	3403.1	3408.1	3414.7
20°	3370.3	3363.7	3339.0	3286.4	3286.4	3378.5	3493.6	3503.4	3516.6	3519.9	3531.4
22.5°	3533.0	3516.6	3464.0	3368.6	3342.3	3449.2	3590.6	3595.5	3605.4	3618.5	3628.4
25°	3717.2	3720.4	3635.0	3468.9	3411.4	3523.2	3684.3	3692.5	3710.6	3720.4	3731.9
27.5°	3907.9	3912.8	3817.4	3610.3	3513.3	3625.1	3810.9	3820.7	3842.1	3853.6	3871.7
30°	4124.9	4131.4	4039.4	3830.6	3682.6	3774.7	3998.3	4024.6	4042.7	4057.5	4087.1
32.5°	4646.0	4606.6	4542.5	4320.5	4087.1	4080.5	4300.8	4330.4	4355.0	4386.3	4414.2
35°	5302.0	5326.7	5359.5	5209.9	5004.4	4854.8	4872.9	4856.5	4879.5	4925.5	4953.5
37.5°	5821.5	5875.8	6018.8	6115.8	6107.6	6078.0	5801.8	5801.8	5816.6	5791.9	5788.6
40°	6229.2	6263.8	6556.4	6932.9	7250.2	7406.4	7187.7	7156.5	7172.9	7046.3	7051.2
42.5°	6439.7	6490.6	6911.5	7572.4	8202.1	8703.5	8636.1	8614.7	8565.4	8534.2	8514.4
45°	6546.5	6607.4	7108.8	8016.3	8933.7	9708.0	10056.5	10053.2	10008.9	9972.7	9956.2
47.5°	6492.3	6544.9	7079.2	8151.1	9318.4	10355.7	11126.8	11174.5	11161.3	11213.9	11235.3
50°	6137.2	6204.6	6740.5	7860.1	9157.3	10610.6	11868.3	11957.0	12077.0	12152.7	12253.0
52.5°	5816.6	5872.5	6355.8	7388.3	8627.9	10403.4	12315.4	12497.9	12662.3	12816.9	12936.9
55°	5481.2	5537.1	5961.3	6898.4	8093.6	9791.8	12519.3	12785.6	13042.1	13303.5	13543.5
57.5°	5354.6	5413.8	5729.4	6518.6	7656.3	9185.2	12619.6	13056.9	13474.5	13918.4	14378.7
60°	5683.4	5736.0	5976.1	6528.4	7322.5	8578.6	12417.4	13104.6	13823.0	14554.6	15261.5
62.5°	5583.1	5611.1	5910.3	6766.8	7748.3	7980.1	11541.1	12448.6	13492.6	14564.5	15647.9
65°	4817.0	4871.3	5096.5	5849.5	7509.9	7899.6	10206.1	11118.6	12350.0	13617.5	15069.2
67.5°	3455.8	3380.1	3554.4	4213.7	5826.4	7886.4	8703.5	9379.2	10344.2	11315.9	12506.1
70°	1570.0	1533.9	1670.3	2191.5	3514.9	6232.5	7358.7	7587.2	7945.6	8599.9	9403.9
72.5°	619.8	618.2	706.9	905.9	1662.1	4011.4	6188.1	6319.7	6446.2	6730.7	7077.6
75°	406.1	406.1	432.4	488.3	818.7	1936.7	5234.6	5354.6	5548.6	5629.2	5777.1
77.5°	305.8	307.4	318.9	332.1	452.1	1019.3	3694.1	4119.9	4448.7	4693.7	4872.9
80°	217.0	226.9	248.2	256.5	294.3	580.3	2087.9	2395.4	2766.9	3163.1	3661.3
82.5°	162.8	174.3	210.4	220.3	233.5	330.5	942.0	1068.6	1247.8	1617.7	2326.3
85°	75.6	83.8	144.7	157.8	169.3	190.7	478.4	534.3	606.6	664.2	774.3
87.5°	11.5	8.2	24.7	34.5	54.3	55.9	164.4	195.6	212.1	254.8	264.7
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1
2.5°	2725.8	2727.4	2729.1	2725.8	2727.4	2727.4	2724.2	2722.5	2722.5	2722.5	2724.2
5°	2778.4	2781.7	2778.4	2780.1	2786.6	2785.0	2781.7	2780.1	2786.6	2788.3	2783.3
7.5°	2872.1	2873.8	2867.2	2875.4	2878.7	2880.3	2880.3	2883.6	2883.6	2888.6	2883.6
10°	2992.1	2992.1	3003.6	3002.0	3003.6	3006.9	3008.6	3015.2	3020.1	3020.1	3023.4
12.5°	3130.2	3131.9	3143.4	3145.0	3151.6	3153.3	3163.1	3156.5	3173.0	3173.0	3177.9
15°	3273.3	3284.8	3286.4	3302.9	3306.1	3307.8	3320.9	3320.9	3332.5	3334.1	3337.4
17.5°	3414.7	3424.5	3431.1	3444.2	3455.8	3460.7	3465.6	3475.5	3483.7	3487.0	3495.2
20°	3536.3	3546.2	3552.8	3565.9	3575.8	3584.0	3588.9	3600.4	3608.6	3611.9	3623.4
22.5°	3638.2	3644.8	3656.3	3674.4	3677.7	3687.6	3702.4	3710.6	3713.9	3723.7	3736.9
25°	3746.7	3756.6	3763.2	3779.6	3792.8	3809.2	3822.4	3835.5	3838.8	3852.0	3863.5
27.5°	3891.4	3901.3	3902.9	3935.8	3949.0	3972.0	3986.8	4006.5	4016.4	4027.9	4050.9
30°	4105.1	4128.2	4138.0	4175.8	4182.4	4208.7	4235.0	4241.6	4256.4	4258.0	4295.9
32.5°	4432.3	4465.2	4478.3	4517.8	4527.7	4552.3	4567.1	4601.6	4603.3	4619.7	4627.9
35°	4968.3	4960.0	5011.0	5020.9	5050.5	5071.8	5086.6	5086.6	5117.9	5119.5	5129.4
37.5°	5699.9	5683.4	5696.6	5637.4	5652.2	5625.9	5620.9	5627.5	5614.4	5617.7	5616.0
40°	6870.4	6796.4	6719.2	6536.7	6497.2	6421.6	6362.4	6314.7	6268.7	6219.4	6186.5
42.5°	8338.5	8231.7	8116.6	7823.9	7687.5	7541.2	7398.1	7315.9	7151.5	7051.2	6997.0
45°	9877.3	9752.4	9591.3	9348.0	9154.0	8997.8	8736.4	8613.1	8358.3	8231.7	8060.7
47.5°	11138.3	11140.0	11010.1	10763.5	10556.3	10452.7	10290.0	10051.6	9762.3	9599.5	9295.3
50°	12241.5	12239.8	12231.6	12083.6	11939.0	11825.5	11682.5	11467.1	11230.4	11046.2	10697.7
52.5°	13056.9	13165.4	13211.4	13209.8	13191.7	13139.1	13030.6	12844.8	12604.8	12501.2	12223.4
55°	13730.9	13967.7	14091.0	14360.6	14385.3	14472.4	14377.0	14378.7	14237.3	14247.2	14158.4
57.5°	14751.9	15184.3	15432.5	16029.3	16328.5	16690.2	16626.1	16928.6	17038.7	17178.5	17364.3
60°	15910.9	16718.1	17306.7	18493.7	18977.0	19562.3	19884.6	20228.2	20478.0	20734.5	20923.6
62.5°	16739.5	17799.9	18766.6	20458.3	21086.3	21702.8	22108.9	22524.9	22806.0	22990.1	23126.6
65°	16400.8	17573.0	18715.6	20489.6	21173.5	21620.6	22104.0	22344.0	22625.1	22778.0	22973.7
67.5°	13936.4	15111.9	16336.7	18429.6	19144.7	19762.9	20139.4	20450.1	20677.0	20871.0	21096.2
70°	10364.0	11649.6	12915.5	15210.6	16113.1	17005.9	17449.7	17834.4	18071.2	18266.8	18515.1
72.5°	7459.0	8264.5	9055.3	11624.9	12527.5	13681.6	14142.0	14569.4	14876.8	14867.0	15130.0
75°	5938.2	6265.4	6617.2	7944.0	8591.7	9565.0	9823.1	10063.1	9918.4	9640.6	9624.2
77.5°	4943.6	5078.4	5196.8	5612.7	5708.1	5939.9	5811.6	5678.5	5249.4	4887.7	4697.0
80°	4013.1	4279.4	4453.7	4749.6	4871.3	4940.3	4958.4	4912.4	4754.5	4535.9	4187.3
82.5°	2983.9	3490.3	3835.5	4417.5	4631.2	4675.6	4761.1	4708.5	4604.9	4427.4	4177.5
85°	874.6	989.7	1134.4	1538.8	1803.5	2028.7	2258.9	2372.3	2443.0	2344.4	2086.3
87.5°	307.4	346.9	388.0	534.3	568.8	687.2	674.1	795.7	800.6	835.2	799.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1
2.5°	2722.5	2722.5	2722.5	2724.2	2724.2	2724.2	2720.9	2719.2	2720.9	2724.2	2724.2
5°	2786.6	2788.3	2791.6	2785.0	2786.6	2791.6	2788.3	2786.6	2788.3	2791.6	2788.3
7.5°	2890.2	2891.8	2888.6	2895.1	2895.1	2898.4	2903.4	2898.4	2900.1	2901.7	2903.4
10°	3025.0	3026.7	3029.9	3034.9	3036.5	3039.8	3043.1	3048.0	3048.0	3044.7	3053.0
12.5°	3186.1	3184.5	3187.8	3194.4	3197.6	3202.6	3212.4	3212.4	3219.0	3217.4	3225.6
15°	3344.0	3352.2	3353.8	3365.3	3370.3	3378.5	3390.0	3396.6	3396.6	3406.4	3409.7
17.5°	3501.8	3508.4	3514.9	3524.8	3531.4	3536.3	3549.5	3557.7	3556.0	3574.1	3574.1
20°	3623.4	3636.6	3644.8	3651.4	3662.9	3671.1	3681.0	3690.8	3697.4	3708.9	3712.2
22.5°	3741.8	3750.0	3761.5	3769.8	3782.9	3792.8	3804.3	3812.5	3824.0	3838.8	3843.7
25°	3873.3	3886.5	3899.6	3911.1	3921.0	3932.5	3952.2	3970.3	3986.8	3999.9	4004.9
27.5°	4055.8	4070.6	4090.3	4098.6	4113.4	4123.2	4152.8	4175.8	4184.1	4207.1	4213.7
30°	4302.4	4318.9	4338.6	4348.5	4374.8	4387.9	4419.2	4443.8	4452.0	4480.0	4484.9
32.5°	4659.2	4669.0	4708.5	4706.9	4743.0	4780.8	4798.9	4818.7	4854.8	4869.6	4874.6
35°	5154.0	5177.1	5205.0	5203.4	5249.4	5270.8	5306.9	5328.3	5354.6	5353.0	5380.9
37.5°	5632.4	5640.7	5650.5	5671.9	5704.8	5734.4	5747.5	5768.9	5788.6	5818.2	5854.4
40°	6153.6	6173.3	6175.0	6186.5	6202.9	6240.7	6265.4	6288.4	6355.8	6398.6	6419.9
42.5°	6934.5	6929.6	6896.7	6918.1	6927.9	6985.5	7003.6	7074.3	7149.9	7240.3	7265.0
45°	7939.0	7873.3	7853.5	7845.3	7897.9	7927.5	8001.5	8133.0	8211.9	8297.4	8338.5
47.5°	9175.3	8969.8	8872.8	8851.5	8905.7	9032.3	9057.0	9186.8	9290.4	9352.9	9394.0
50°	10413.3	10252.2	10048.3	9979.3	9964.5	10081.2	10109.1	10217.7	10322.9	10341.0	10319.6
52.5°	11968.5	11705.5	11368.5	11246.8	11149.8	11158.0	11181.1	11227.1	11294.5	11266.5	11209.0
55°	13957.8	13658.6	13492.6	13262.4	13116.1	13089.8	12989.5	12851.4	12846.5	12864.5	12691.9
57.5°	17270.5	17145.6	17216.3	17191.6	17047.0	17134.1	16682.0	16553.7	16451.8	16274.3	16114.8
60°	21091.3	21219.5	21365.8	21702.8	21688.1	22026.7	21712.7	21633.8	21538.4	20991.0	20723.0
62.5°	23365.0	23415.9	23631.3	23945.3	24254.4	24578.3	24724.6	24775.5	24576.6	24129.4	23570.5
65°	22968.8	23194.0	23402.8	23674.0	23991.3	24315.2	24624.3	24805.1	24759.1	24463.2	23848.3
67.5°	21168.5	21405.3	21711.1	21995.5	22337.4	22618.6	22957.2	23289.3	23299.2	23151.2	22723.8
70°	18541.4	18815.9	19131.6	19291.1	19661.0	19915.8	20196.9	20525.7	20632.6	20650.7	20152.5
72.5°	15074.1	15189.2	15343.7	15259.9	15333.9	15496.6	15421.0	15447.3	15041.2	15116.9	14502.0
75°	9180.3	9075.0	8608.1	8182.3	7662.8	7263.3	7358.7	6595.9	5844.5	5806.7	5264.2
77.5°	4655.9	4488.2	4198.9	3898.0	3457.4	2952.7	2531.8	2078.1	1695.0	1476.3	1267.5
80°	3965.4	3847.0	3687.6	3468.9	3148.3	2775.1	2336.2	1990.9	1670.3	1336.6	1070.3
82.5°	3794.4	3432.7	3200.9	3018.4	2671.5	2326.3	2086.3	1849.5	1622.7	1417.2	1122.9
85°	1882.4	1665.4	1408.9	1249.5	961.8	753.0	705.3	580.3	540.9	417.6	351.8
87.5°	633.0	517.9	386.3	325.5	259.8	212.1	208.8	185.8	184.1	167.7	154.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1
2.5°	2722.5	2725.8	2725.8	2722.5	2724.2	2720.9	2722.5	2724.2	2719.2	2717.6	2712.7
5°	2789.9	2788.3	2788.3	2789.9	2794.9	2796.5	2788.3	2791.6	2793.2	2785.0	2766.9
7.5°	2901.7	2901.7	2906.6	2905.0	2914.9	2911.6	2909.9	2909.9	2909.9	2893.5	2863.9
10°	3053.0	3053.0	3057.9	3064.5	3066.1	3062.8	3062.8	3064.5	3072.7	3039.8	2993.8
12.5°	3222.3	3230.5	3228.9	3228.9	3248.6	3243.7	3237.1	3243.7	3251.9	3205.9	3140.1
15°	3411.4	3416.3	3419.6	3431.1	3427.8	3439.3	3442.6	3439.3	3447.5	3388.3	3278.2
17.5°	3582.3	3592.2	3595.5	3608.6	3608.6	3610.3	3623.4	3618.5	3620.2	3552.8	3394.9
20°	3723.7	3733.6	3738.5	3753.3	3756.6	3763.2	3768.1	3771.4	3779.6	3699.1	3490.3
22.5°	3865.1	3873.3	3881.6	3891.4	3904.6	3912.8	3919.4	3922.7	3937.5	3843.7	3580.7
25°	4022.9	4041.0	4049.2	4065.7	4078.8	4092.0	4101.9	4103.5	4128.2	4011.4	3654.7
27.5°	4233.4	4258.0	4271.2	4297.5	4310.6	4323.8	4320.5	4340.2	4374.8	4203.8	3712.2
30°	4509.6	4540.8	4549.0	4575.3	4596.7	4609.9	4624.7	4641.1	4664.1	4417.5	3740.2
32.5°	4894.3	4942.0	4953.5	4968.3	4999.5	5022.5	5032.4	5058.7	5065.3	4619.7	3731.9
35°	5422.0	5400.6	5456.5	5469.7	5514.1	5532.2	5543.7	5578.2	5551.9	4840.0	3677.7
37.5°	5898.8	5892.2	5946.5	5976.1	6033.6	6020.4	6048.4	6071.4	5977.7	4996.2	3577.4
40°	6480.8	6472.5	6548.2	6558.0	6646.8	6627.1	6638.6	6656.7	6447.9	5104.7	3394.9
42.5°	7292.9	7296.2	7376.8	7386.6	7398.1	7434.3	7375.1	7378.4	6947.7	5134.3	3094.1
45°	8363.2	8420.7	8371.4	8373.0	8369.8	8300.7	8226.7	8139.6	7467.2	5032.4	2706.1
47.5°	9400.6	9361.1	9298.6	9241.1	9193.4	9084.9	8976.4	8828.4	7916.0	4790.7	2273.7
50°	10288.3	10199.6	10143.7	9984.2	9870.8	9729.4	9578.1	9408.8	8284.3	4442.2	1869.3
52.5°	11113.6	11021.6	10812.8	10646.7	10484.0	10296.6	10120.7	9921.7	8609.8	4044.3	1560.2
55°	12484.8	12404.2	12195.4	11891.3	11690.7	11432.6	11200.8	10931.2	9269.0	3722.1	1356.3
57.5°	15675.8	15606.8	15167.8	14975.5	14710.8	14063.0	13967.7	13546.8	11036.4	3684.3	1236.3
60°	20169.0	19873.0	19508.1	18982.0	18362.2	18148.5	17671.7	17111.1	13880.6	3787.8	1139.3
62.5°	22927.7	22253.6	21717.6	21111.0	20540.5	20050.6	19529.4	18975.4	15335.5	3651.4	1019.3
65°	23134.8	22342.4	21633.8	20921.9	20280.8	19670.8	19164.5	18610.4	14862.0	3138.5	863.1
67.5°	21993.8	21158.7	20386.0	19578.8	18931.0	18380.3	17735.8	17203.1	13527.1	2443.0	718.4
70°	19641.2	18908.0	18242.2	17372.5	16834.9	16164.1	15754.7	15088.9	11791.0	1665.4	593.5
72.5°	14146.9	13594.5	13377.5	12770.8	12067.2	11672.6	11483.6	10837.4	8713.4	1034.1	485.0
75°	4779.2	4915.7	4603.3	4124.9	4358.3	3998.3	4144.6	3837.2	3685.9	593.5	407.7
77.5°	1060.4	996.3	920.7	854.9	850.0	799.0	846.7	800.6	856.5	378.1	360.0
80°	836.8	660.9	562.3	512.9	486.6	471.8	460.3	447.2	407.7	322.2	332.1
82.5°	904.2	682.3	499.8	399.5	342.0	320.6	315.7	302.5	299.2	312.4	335.4
85°	289.3	241.7	205.5	194.0	179.2	171.0	167.7	162.8	197.3	340.3	322.2
87.5°	151.3	133.2	118.4	113.4	98.6	92.1	90.4	92.1	138.1	340.3	233.5
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: VTS-E09-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1	2706.1
2.5°	2707.7	2706.1	2702.8	2701.1	2699.5	2691.3	2697.9
5°	2758.7	2742.2	2727.4	2709.4	2699.5	2691.3	2691.3
7.5°	2836.0	2789.9	2752.1	2711.0	2683.1	2661.7	2658.4
10°	2933.0	2844.2	2757.0	2683.1	2630.4	2591.0	2586.1
12.5°	3025.0	2890.2	2752.1	2630.4	2548.2	2492.4	2489.1
15°	3110.5	2914.9	2714.3	2535.1	2411.8	2337.8	2329.6
17.5°	3177.9	2900.1	2628.8	2401.9	2234.2	2147.1	2142.2
20°	3192.7	2840.9	2507.1	2237.5	2060.0	1967.9	1946.5
22.5°	3179.6	2734.0	2355.9	2056.7	1852.8	1760.8	1749.2
25°	3140.1	2604.1	2168.5	1846.2	1657.2	1563.5	1540.5
27.5°	3069.4	2451.2	1966.3	1642.4	1455.0	1364.5	1341.5
30°	2964.2	2267.1	1750.9	1451.7	1257.7	1185.3	1162.3
32.5°	2817.9	2043.5	1538.8	1256.0	1094.9	1037.4	1027.5
35°	2615.7	1787.1	1316.9	1094.9	976.6	942.0	937.1
37.5°	2357.5	1530.6	1131.1	979.8	894.4	873.0	869.7
40°	2020.5	1267.5	999.6	897.6	835.2	817.1	813.8
42.5°	1673.6	1070.3	902.6	831.9	780.9	764.5	759.5
45°	1369.5	937.1	830.2	777.6	729.9	711.9	710.2
47.5°	1142.6	859.8	771.1	728.3	680.6	659.3	660.9
50°	976.6	789.1	721.7	685.6	631.3	611.6	613.2
52.5°	863.1	718.4	675.7	634.6	588.6	568.8	568.8
55°	774.3	660.9	631.3	586.9	550.8	532.7	531.0
57.5°	702.0	614.9	588.6	552.4	516.2	494.9	494.9
60°	657.6	582.0	560.6	527.7	485.0	462.0	460.3
62.5°	631.3	572.1	554.0	508.0	460.3	437.3	432.4
65°	611.6	595.1	572.1	496.5	440.6	415.9	411.0
67.5°	613.2	649.4	616.5	503.1	434.0	397.9	391.3
70°	623.1	692.1	647.7	517.9	462.0	389.6	374.8
72.5°	573.8	626.4	583.6	493.2	450.5	374.8	356.8
75°	478.4	457.0	419.2	401.1	404.4	340.3	333.7
77.5°	388.0	340.3	304.1	318.9	340.3	291.0	284.4
80°	337.0	276.2	258.1	282.8	309.1	248.2	231.8
82.5°	315.7	233.5	221.9	294.3	323.9	213.7	187.4
85°	277.8	190.7	174.3	346.9	323.9	161.1	149.6
87.5°	185.8	113.4	108.5	254.8	221.9	111.8	90.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)