

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: P158184

Luminaire Tested: **VTS-F11-LED-E1-SL2-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158184  
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-F11-LED-E1-SL2-7030  
Description: VENTUS LED SITE LUMINAIRE  
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (77) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

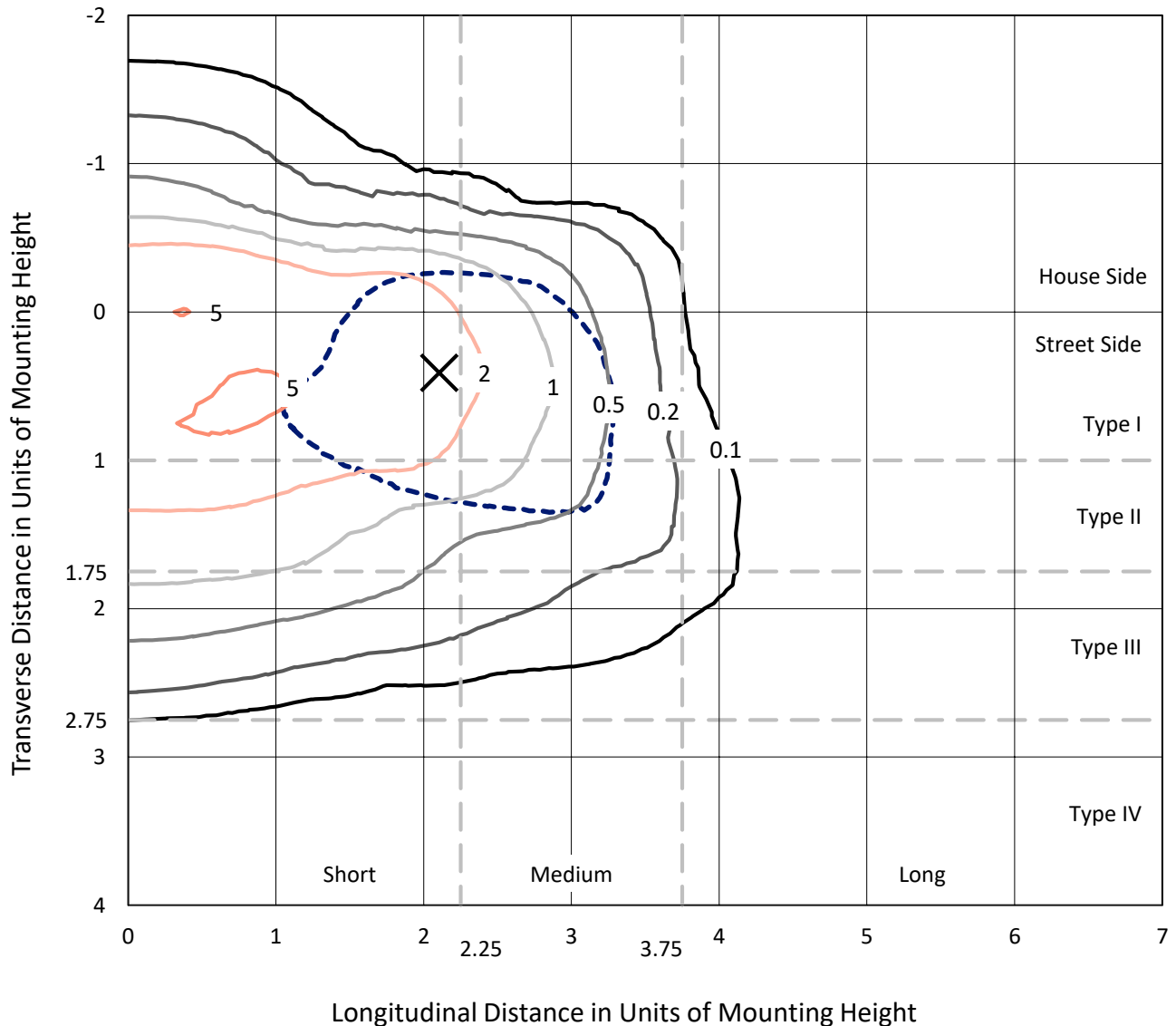
Lumens per Lamp: N/A  
Luminaire Lumens: 24954.5 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 282.7  
Input Voltage (V): NR  
Input Current (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

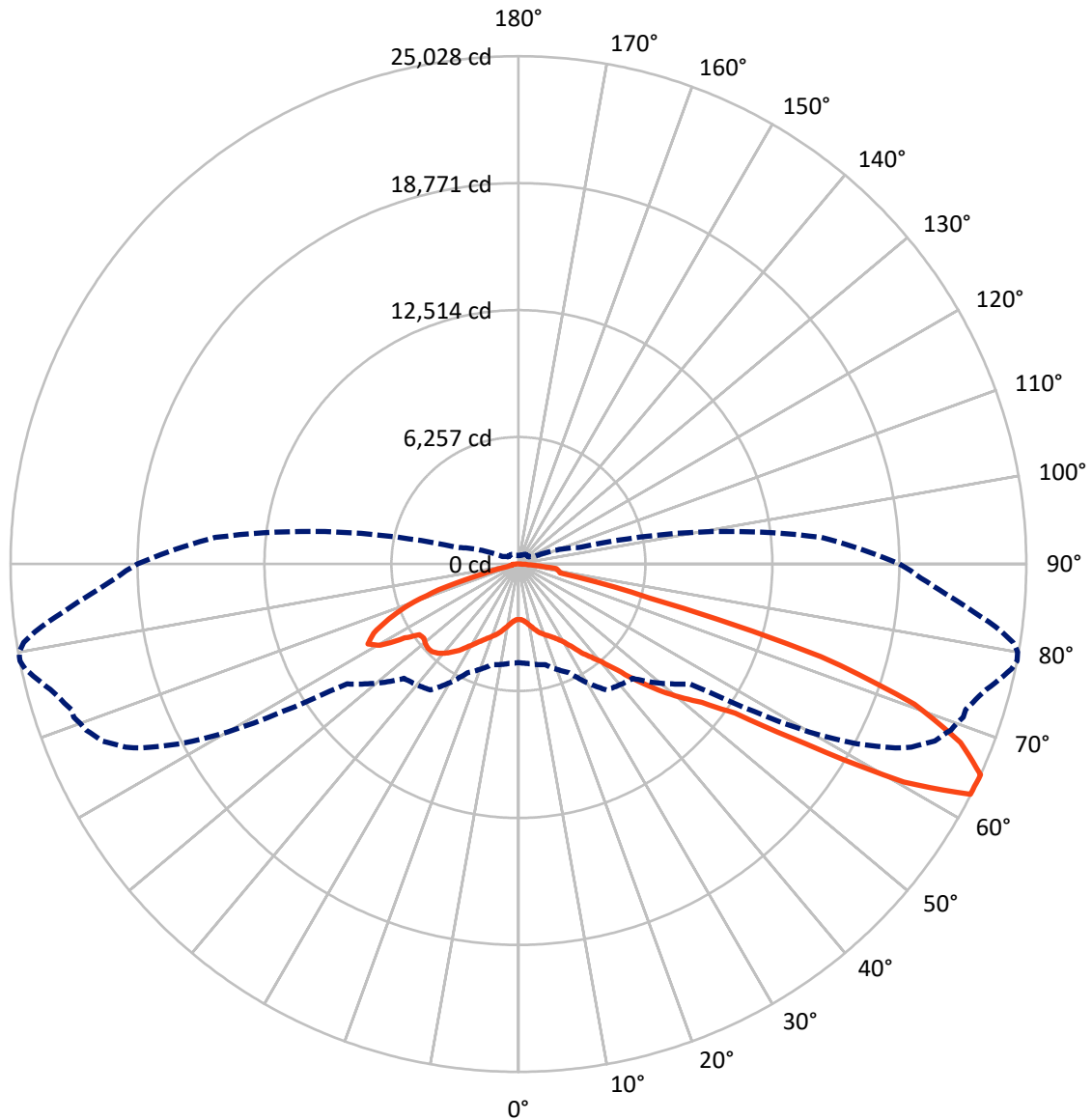
× Max cd  
 - - - 1/2 Max cd



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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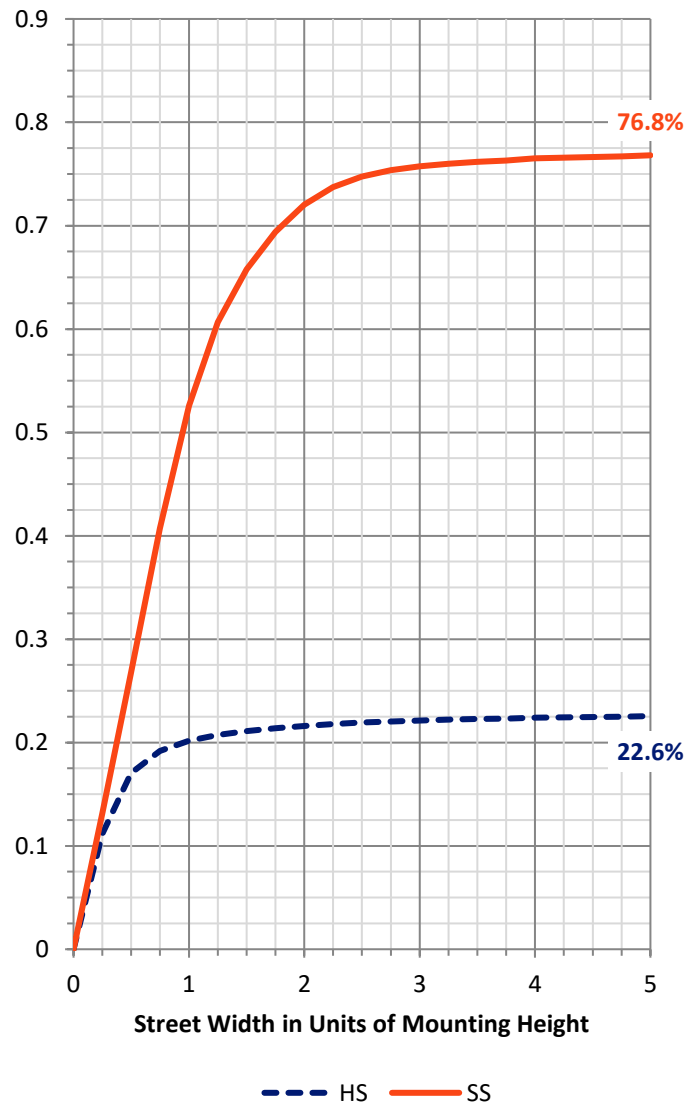
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5734.1	0.0	5734.1
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	19220.4	0.0	19220.4
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	24954.5	0.0	24954.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.1	1.1
10°-20°	877.3	3.5
20°-30°	1512.5	6.1
30°-40°	2477.4	9.9
40°-50°	4148.8	16.6
50°-60°	5611.8	22.5
60°-70°	6910.9	27.7
70°-80°	2675.2	10.7
80°-90°	470.5	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°	24954.5	100.0
0°-180°	24954.5	100.0



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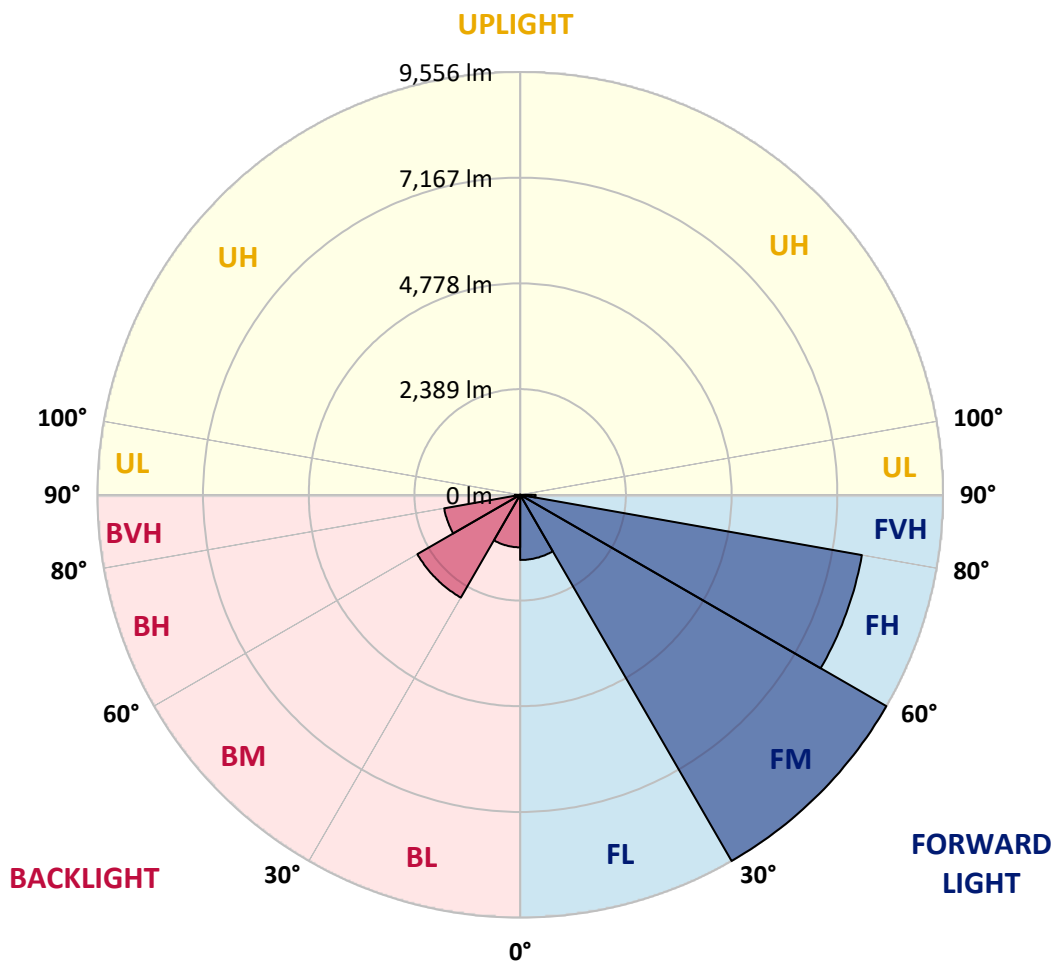
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1473.2	5.9			
FM	(30°-60°)	9556.5	38.3			
FH	(60°-80°)	7841.6	31.4			G4/12000
FVH	(80°-90°)	349.1	1.4			G3/500
BL	(0°-30°)	1186.7	4.8	B3/2500		
BM	(30°-60°)	2681.5	10.7	B3/5000		
BH	(60°-80°)	1744.5	7.0	B3/2500		G3/2500
BVH	(80°-90°)	121.4	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°	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4
2.5°	2735.3	2727.0	2735.3	2742.0	2746.9	2753.6	2751.9	2750.3	2748.6	2750.3	2750.3
5°	2758.6	2756.9	2765.2	2771.8	2783.4	2791.7	2801.7	2801.7	2801.7	2800.0	2803.3
7.5°	2833.2	2831.5	2839.8	2846.5	2856.4	2873.0	2886.3	2892.9	2891.3	2891.3	2891.3
10°	2956.0	2949.3	2949.3	2949.3	2962.6	2974.2	3004.1	3007.4	3014.0	3010.7	3012.4
12.5°	3075.4	3077.0	3072.1	3067.1	3068.8	3092.0	3135.1	3143.4	3145.1	3150.0	3153.4
15°	3183.2	3181.6	3169.9	3158.3	3173.3	3213.1	3269.5	3284.4	3284.4	3294.3	3301.0
17.5°	3282.7	3279.4	3257.9	3237.9	3252.9	3320.9	3408.8	3418.8	3433.7	3438.7	3445.3
20°	3400.5	3393.9	3369.0	3315.9	3315.9	3408.8	3524.9	3534.9	3548.1	3551.5	3563.1
22.5°	3564.7	3548.1	3495.1	3398.9	3372.3	3480.1	3622.8	3627.8	3637.7	3651.0	3660.9
25°	3750.5	3753.8	3667.6	3500.0	3442.0	3554.8	3717.3	3725.6	3743.9	3753.8	3765.4
27.5°	3942.9	3947.9	3851.7	3642.7	3544.8	3657.6	3845.1	3855.0	3876.6	3888.2	3906.4
30°	4161.9	4168.5	4075.6	3865.0	3715.7	3808.6	4034.2	4060.7	4079.0	4093.9	4123.7
32.5°	4687.7	4647.9	4583.2	4359.3	4123.7	4117.1	4339.4	4369.2	4394.1	4425.6	4453.8
35°	5349.6	5374.5	5407.6	5256.7	5049.3	4898.4	4916.6	4900.1	4923.3	4969.7	4997.9
37.5°	5873.8	5928.5	6072.8	6170.7	6162.4	6132.5	5853.9	5853.9	5868.8	5843.9	5840.6
40°	6285.1	6320.0	6615.2	6995.1	7315.2	7472.8	7252.2	7220.7	7237.3	7109.6	7114.5
42.5°	6497.5	6548.9	6973.5	7640.4	8275.7	8781.6	8713.6	8692.0	8642.3	8610.8	8590.9
45°	6605.3	6666.7	7172.6	8088.2	9013.8	9795.1	10146.8	10143.5	10098.7	10062.2	10045.6
47.5°	6550.5	6603.6	7142.7	8224.3	9402.0	10448.7	11226.7	11274.8	11261.5	11314.6	11336.1
50°	6192.2	6260.3	6801.0	7930.7	9239.4	10705.8	11974.8	12064.3	12185.4	12261.7	12362.9
52.5°	5868.8	5925.2	6412.9	7454.6	8705.3	10496.8	12426.0	12610.1	12776.0	12931.9	13053.0
55°	5530.4	5586.8	6014.8	6960.3	8166.2	9879.7	12631.7	12900.4	13159.1	13422.9	13665.1
57.5°	5402.7	5462.4	5780.9	6577.1	7725.0	9267.6	12732.8	13174.1	13595.4	14043.3	14507.7
60°	5734.4	5787.5	6029.7	6587.0	7388.2	8655.5	12528.8	13222.2	13947.1	14685.2	15398.5
62.5°	5633.2	5661.4	5963.3	6827.6	7817.9	8051.7	11644.7	12560.3	13613.7	14695.2	15788.3
65°	4860.2	4915.0	5142.2	5902.0	7577.3	7970.5	10297.7	11218.4	12460.8	13739.7	15204.4
67.5°	3486.8	3410.5	3586.3	4251.5	5878.7	7957.2	8781.6	9463.4	10437.1	11417.4	12618.4
70°	1584.1	1547.6	1685.3	2211.2	3546.5	6288.5	7424.7	7655.3	8016.9	8677.1	9488.3
72.5°	625.4	623.7	713.3	914.0	1677.0	4047.4	6243.7	6376.4	6504.1	6791.1	7141.1
75°	409.7	409.7	436.3	492.7	826.1	1954.0	5281.6	5402.7	5598.4	5679.7	5829.0
77.5°	308.5	310.2	321.8	335.1	456.2	1028.4	3727.3	4156.9	4488.7	4735.8	4916.6
80°	219.0	228.9	250.5	258.8	296.9	585.6	2106.7	2416.9	2791.7	3191.5	3694.1
82.5°	164.2	175.8	212.3	222.3	235.5	333.4	950.5	1078.2	1259.0	1632.2	2347.2
85°	76.3	84.6	146.0	159.2	170.9	192.4	482.7	539.1	612.1	670.1	781.3
87.5°	11.6	8.3	24.9	34.8	54.7	56.4	165.9	197.4	214.0	257.1	267.1
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°	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4
2.5°	2750.3	2751.9	2753.6	2750.3	2751.9	2751.9	2748.6	2746.9	2746.9	2746.9	2748.6
5°	2803.3	2806.7	2803.3	2805.0	2811.6	2810.0	2806.7	2805.0	2811.6	2813.3	2808.3
7.5°	2897.9	2899.6	2892.9	2901.2	2904.5	2906.2	2906.2	2909.5	2909.5	2914.5	2909.5
10°	3019.0	3019.0	3030.6	3028.9	3030.6	3033.9	3035.6	3042.2	3047.2	3047.2	3050.5
12.5°	3158.3	3160.0	3171.6	3173.3	3179.9	3181.6	3191.5	3184.9	3201.5	3201.5	3206.4
15°	3302.6	3314.3	3315.9	3332.5	3335.8	3337.5	3350.7	3350.7	3362.4	3364.0	3367.3
17.5°	3445.3	3455.3	3461.9	3475.2	3486.8	3491.7	3496.7	3506.7	3515.0	3518.3	3526.6
20°	3568.0	3578.0	3584.6	3597.9	3607.9	3616.2	3621.1	3632.7	3641.0	3644.4	3656.0
22.5°	3670.9	3677.5	3689.1	3707.4	3710.7	3720.7	3735.6	3743.9	3747.2	3757.1	3770.4
25°	3780.4	3790.3	3797.0	3813.5	3826.8	3843.4	3856.7	3869.9	3873.3	3886.5	3898.1
27.5°	3926.3	3936.3	3938.0	3971.1	3984.4	4007.6	4022.6	4042.5	4052.4	4064.0	4087.2
30°	4142.0	4165.2	4175.2	4213.3	4220.0	4246.5	4273.0	4279.7	4294.6	4296.3	4334.4
32.5°	4472.1	4505.3	4518.5	4558.3	4568.3	4593.2	4608.1	4642.9	4644.6	4661.2	4669.5
35°	5012.9	5004.6	5056.0	5065.9	5095.8	5117.4	5132.3	5132.3	5163.8	5165.5	5175.4
37.5°	5751.0	5734.4	5747.7	5688.0	5702.9	5676.4	5671.4	5678.0	5664.8	5668.1	5666.4
40°	6932.1	6857.4	6779.5	6595.3	6555.5	6479.2	6419.5	6371.4	6324.9	6275.2	6242.0
42.5°	8413.4	8305.5	8189.4	7894.2	7756.5	7608.8	7464.5	7381.6	7215.7	7114.5	7059.8
45°	9966.0	9839.9	9677.4	9431.9	9236.1	9078.5	8814.8	8690.4	8433.3	8305.5	8133.0
47.5°	11238.3	11239.9	11108.9	10860.1	10651.1	10546.6	10382.3	10141.8	9849.9	9685.6	9378.8
50°	12351.3	12349.7	12341.4	12192.1	12046.1	11931.6	11787.3	11570.0	11331.2	11145.4	10793.7
52.5°	13174.1	13283.6	13330.0	13328.3	13310.1	13257.0	13147.5	12960.1	12717.9	12613.4	12333.1
55°	13854.2	14093.0	14217.5	14489.5	14514.4	14602.3	14506.1	14507.7	14365.1	14375.0	14285.5
57.5°	14884.3	15320.5	15571.0	16173.2	16475.1	16840.0	16775.3	17080.5	17191.7	17332.7	17520.1
60°	16053.7	16868.2	17462.0	18659.7	19147.4	19737.9	20063.0	20409.7	20661.8	20920.6	21111.4
62.5°	16889.8	17959.7	18935.0	20641.9	21275.6	21897.6	22307.3	22727.0	23010.7	23196.5	23334.1
65°	16548.0	17730.8	18883.6	20673.4	21363.5	21814.7	22302.4	22544.6	22828.2	22982.5	23179.9
67.5°	14061.5	15247.6	16483.4	18595.0	19316.6	19940.3	20320.1	20633.6	20862.5	21058.3	21285.5
70°	10457.0	11754.2	13031.4	15347.1	16257.8	17158.5	17606.4	17994.5	18233.4	18430.8	18681.2
72.5°	7525.9	8338.7	9136.6	11729.3	12639.9	13804.4	14268.9	14700.2	15010.4	15000.4	15265.8
75°	5991.5	6321.6	6676.6	8015.3	8668.8	9650.8	9911.2	10153.4	10007.5	9727.1	9710.5
77.5°	4988.0	5124.0	5243.4	5663.1	5759.3	5993.2	5863.8	5729.4	5296.5	4931.6	4739.2
80°	4049.1	4317.8	4493.7	4792.2	4915.0	4984.7	5002.9	4956.5	4797.2	4576.6	4224.9
82.5°	3010.7	3521.6	3869.9	4457.2	4672.8	4717.6	4803.8	4750.8	4646.3	4467.1	4215.0
85°	882.5	998.6	1144.6	1552.6	1819.7	2046.9	2279.2	2393.6	2465.0	2365.4	2105.0
87.5°	310.2	350.0	391.5	539.1	573.9	693.4	680.1	802.9	807.8	842.7	806.2
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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**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4
2.5°	2746.9	2746.9	2746.9	2748.6	2748.6	2748.6	2745.3	2743.6	2745.3	2748.6	2748.6
5°	2811.6	2813.3	2816.6	2810.0	2811.6	2816.6	2813.3	2811.6	2813.3	2816.6	2813.3
7.5°	2916.1	2917.8	2914.5	2921.1	2921.1	2924.4	2929.4	2924.4	2926.1	2927.8	2929.4
10°	3052.2	3053.8	3057.1	3062.1	3063.8	3067.1	3070.4	3075.4	3075.4	3072.1	3080.4
12.5°	3214.7	3213.1	3216.4	3223.0	3226.3	3231.3	3241.3	3241.3	3247.9	3246.2	3254.5
15°	3374.0	3382.3	3383.9	3395.5	3400.5	3408.8	3420.4	3427.1	3427.1	3437.0	3440.3
17.5°	3533.2	3539.8	3546.5	3556.4	3563.1	3568.0	3581.3	3589.6	3588.0	3606.2	3606.2
20°	3656.0	3669.2	3677.5	3684.2	3695.8	3704.1	3714.0	3724.0	3730.6	3742.2	3745.5
22.5°	3775.4	3783.7	3795.3	3803.6	3816.9	3826.8	3838.4	3846.7	3858.3	3873.3	3878.2
25°	3908.1	3921.4	3934.6	3946.3	3956.2	3967.8	3987.7	4006.0	4022.6	4035.8	4040.8
27.5°	4092.2	4107.2	4127.1	4135.4	4150.3	4160.2	4190.1	4213.3	4221.6	4244.8	4251.5
30°	4341.0	4357.6	4377.5	4387.5	4414.0	4427.3	4458.8	4483.7	4492.0	4520.2	4525.2
32.5°	4701.0	4711.0	4750.8	4749.1	4785.6	4823.7	4842.0	4861.9	4898.4	4913.3	4918.3
35°	5200.3	5223.5	5251.7	5250.1	5296.5	5318.1	5354.6	5376.1	5402.7	5401.0	5429.2
37.5°	5683.0	5691.3	5701.2	5722.8	5756.0	5785.8	5799.1	5820.7	5840.6	5870.4	5906.9
40°	6208.8	6228.7	6230.4	6242.0	6258.6	6296.8	6321.6	6344.9	6412.9	6456.0	6477.6
42.5°	6996.8	6991.8	6958.6	6980.2	6990.1	7048.2	7066.4	7137.8	7214.1	7305.3	7330.2
45°	8010.3	7943.9	7924.0	7915.7	7968.8	7998.7	8073.3	8206.0	8285.6	8371.9	8413.4
47.5°	9257.7	9050.3	8952.5	8930.9	8985.6	9113.4	9138.3	9269.3	9373.8	9436.8	9478.3
50°	10506.7	10344.2	10138.5	10068.8	10053.9	10171.7	10199.9	10309.4	10415.5	10433.8	10412.2
52.5°	12076.0	11810.6	11470.5	11347.8	11249.9	11258.2	11281.4	11327.8	11395.9	11367.7	11309.6
55°	14083.1	13781.2	13613.7	13381.4	13233.8	13207.3	13106.1	12966.7	12961.8	12980.0	12805.8
57.5°	17425.5	17299.5	17370.8	17345.9	17199.9	17287.9	16831.7	16702.3	16599.5	16420.3	16259.4
60°	21280.6	21409.9	21557.6	21897.6	21882.7	22224.4	21907.6	21828.0	21731.8	21179.4	20909.0
62.5°	23574.7	23626.1	23843.4	24160.2	24472.1	24798.8	24946.5	24997.9	24797.2	24346.0	23782.0
65°	23174.9	23402.1	23612.8	23886.5	24206.7	24533.4	24845.3	25027.8	24981.3	24682.7	24062.3
67.5°	21358.5	21597.4	21905.9	22192.9	22537.9	22821.6	23163.3	23498.4	23508.3	23359.0	22927.7
70°	18707.8	18984.8	19303.3	19464.2	19837.4	20094.5	20378.2	20709.9	20817.8	20836.0	20333.4
72.5°	15209.4	15325.5	15481.4	15396.8	15471.5	15635.7	15559.4	15585.9	15176.2	15252.5	14632.1
75°	9262.7	9156.5	8685.4	8255.8	7731.6	7328.5	7424.7	6655.0	5897.0	5858.8	5311.4
77.5°	4697.7	4528.5	4236.5	3933.0	3488.4	2979.2	2554.5	2096.7	1710.2	1489.6	1278.9
80°	4001.0	3881.6	3720.7	3500.0	3176.6	2800.0	2357.1	2008.8	1685.3	1348.6	1079.9
82.5°	3828.5	3463.5	3229.7	3045.5	2695.5	2347.2	2105.0	1866.1	1637.2	1429.9	1133.0
85°	1899.3	1680.3	1421.6	1260.7	970.4	759.7	711.6	585.6	545.7	421.3	355.0
87.5°	638.6	522.5	389.8	328.4	262.1	214.0	210.7	187.4	185.8	169.2	155.9
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°	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4
2.5°	2746.9	2750.3	2750.3	2746.9	2748.6	2745.3	2746.9	2748.6	2743.6	2742.0	2737.0
5°	2815.0	2813.3	2813.3	2815.0	2819.9	2821.6	2813.3	2816.6	2818.3	2810.0	2791.7
7.5°	2927.8	2927.8	2932.7	2931.1	2941.0	2937.7	2936.1	2936.1	2936.1	2919.5	2889.6
10°	3080.4	3080.4	3085.3	3092.0	3093.6	3090.3	3090.3	3092.0	3100.3	3067.1	3020.6
12.5°	3251.2	3259.5	3257.9	3257.9	3277.8	3272.8	3266.1	3272.8	3281.1	3234.6	3168.3
15°	3442.0	3447.0	3450.3	3461.9	3458.6	3470.2	3473.5	3470.2	3478.5	3418.8	3307.6
17.5°	3614.5	3624.4	3627.8	3641.0	3641.0	3642.7	3656.0	3651.0	3652.6	3584.6	3425.4
20°	3757.1	3767.1	3772.1	3787.0	3790.3	3797.0	3801.9	3805.3	3813.5	3732.3	3521.6
22.5°	3899.8	3908.1	3916.4	3926.3	3939.6	3947.9	3954.5	3957.9	3972.8	3878.2	3612.8
25°	4059.0	4077.3	4085.6	4102.2	4115.4	4128.7	4138.7	4140.3	4165.2	4047.4	3687.5
27.5°	4271.4	4296.3	4309.5	4336.1	4349.3	4362.6	4359.3	4379.2	4414.0	4241.5	3745.5
30°	4550.0	4581.6	4589.9	4616.4	4638.0	4651.2	4666.2	4682.8	4706.0	4457.2	3773.7
32.5°	4938.2	4986.3	4997.9	5012.9	5044.4	5067.6	5077.5	5104.1	5110.7	4661.2	3765.4
35°	5470.7	5449.1	5505.5	5518.8	5563.6	5581.8	5593.4	5628.3	5601.7	4883.5	3710.7
37.5°	5951.7	5945.1	5999.8	6029.7	6087.7	6074.5	6102.7	6125.9	6031.3	5041.0	3609.5
40°	6538.9	6530.6	6606.9	6616.9	6706.5	6686.6	6698.2	6716.4	6505.8	5150.5	3425.4
42.5°	7358.4	7361.7	7443.0	7452.9	7464.5	7501.0	7441.3	7444.6	7010.0	5180.4	3121.8
45°	8438.2	8496.3	8446.5	8448.2	8444.9	8375.2	8300.6	8212.6	7534.2	5077.5	2730.4
47.5°	9484.9	9445.1	9382.1	9324.0	9275.9	9166.4	9057.0	8907.7	7987.1	4833.7	2294.1
50°	10380.7	10291.1	10234.7	10073.8	9959.3	9816.7	9664.1	9493.2	8358.6	4482.0	1886.0
52.5°	11213.4	11120.5	10909.8	10742.3	10578.1	10389.0	10211.5	10010.8	8687.1	4080.6	1574.2
55°	12596.8	12515.5	12304.9	11998.0	11795.6	11535.2	11301.3	11029.3	9352.2	3755.5	1368.5
57.5°	15816.5	15746.9	15304.0	15109.9	14842.8	14189.3	14093.0	13668.4	11135.4	3717.3	1247.4
60°	20350.0	20051.4	19683.2	19152.3	18527.0	18311.3	17830.3	17264.6	14005.1	3821.8	1149.5
62.5°	23133.4	22453.3	21912.6	21300.5	20724.9	20230.5	19704.7	19145.7	15473.2	3684.2	1028.4
65°	23342.4	22542.9	21828.0	21109.7	20462.8	19847.4	19336.5	18777.5	14995.4	3166.6	870.9
67.5°	22191.2	21348.6	20568.9	19754.5	19100.9	18545.2	17895.0	17357.5	13648.5	2465.0	724.9
70°	19817.5	19077.7	18405.9	17528.4	16986.0	16309.2	15896.1	15224.3	11896.8	1680.3	598.8
72.5°	14273.9	13716.5	13497.5	12885.4	12175.5	11777.4	11586.6	10934.7	8791.6	1043.4	489.3
75°	4822.1	4959.8	4644.6	4161.9	4397.4	4034.2	4181.8	3871.6	3719.0	598.8	411.4
77.5°	1069.9	1005.2	928.9	862.6	857.6	806.2	854.3	807.8	864.2	381.5	363.3
80°	844.3	666.8	567.3	517.5	491.0	476.1	464.5	451.2	411.4	325.1	335.1
82.5°	912.3	688.4	504.3	403.1	345.0	323.5	318.5	305.2	301.9	315.2	338.4
85°	291.9	243.8	207.3	195.7	180.8	172.5	169.2	164.2	199.1	343.4	325.1
87.5°	152.6	134.4	119.4	114.5	99.5	92.9	91.2	92.9	139.3	343.4	235.5
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-F11-LED-E1-SL2-7030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4	2730.4
2.5°	2732.0	2730.4	2727.0	2725.4	2723.7	2715.4	2722.1
5°	2783.4	2766.9	2751.9	2733.7	2723.7	2715.4	2715.4
7.5°	2861.4	2815.0	2776.8	2735.3	2707.1	2685.6	2682.3
10°	2959.3	2869.7	2781.8	2707.1	2654.1	2614.2	2609.3
12.5°	3052.2	2916.1	2776.8	2654.1	2571.1	2514.7	2511.4
15°	3138.4	2941.0	2738.7	2557.8	2433.4	2358.8	2350.5
17.5°	3206.4	2926.1	2652.4	2423.5	2254.3	2166.4	2161.4
20°	3221.4	2866.4	2529.6	2257.6	2078.5	1985.6	1964.0
22.5°	3208.1	2758.6	2377.0	2075.1	1869.5	1776.6	1764.9
25°	3168.3	2627.5	2187.9	1862.8	1672.1	1577.5	1554.3
27.5°	3097.0	2473.2	1983.9	1657.1	1468.0	1376.8	1353.6
30°	2990.8	2287.5	1766.6	1464.7	1269.0	1196.0	1172.8
32.5°	2843.2	2061.9	1552.6	1267.3	1104.8	1046.7	1036.7
35°	2639.1	1803.1	1328.7	1104.8	985.3	950.5	945.5
37.5°	2378.7	1544.3	1141.2	988.6	902.4	880.8	877.5
40°	2038.6	1278.9	1008.5	905.7	842.7	824.4	821.1
42.5°	1688.6	1079.9	910.7	839.3	787.9	771.3	766.4
45°	1381.8	945.5	837.7	784.6	736.5	718.3	716.6
47.5°	1152.9	867.5	778.0	734.8	686.7	665.2	666.8
50°	985.3	796.2	728.2	691.7	637.0	617.1	618.7
52.5°	870.9	724.9	681.8	640.3	593.8	573.9	573.9
55°	781.3	666.8	637.0	592.2	555.7	537.4	535.8
57.5°	708.3	620.4	593.8	557.4	520.9	499.3	499.3
60°	663.5	587.2	565.6	532.5	489.3	466.1	464.5
62.5°	637.0	577.3	559.0	512.6	464.5	441.2	436.3
65°	617.1	600.5	577.3	501.0	444.6	419.7	414.7
67.5°	618.7	655.2	622.0	507.6	437.9	401.4	394.8
70°	628.7	698.3	653.6	522.5	466.1	393.1	378.2
72.5°	578.9	632.0	588.9	497.6	454.5	378.2	360.0
75°	482.7	461.1	423.0	404.7	408.1	343.4	336.7
77.5°	391.5	343.4	306.9	321.8	343.4	293.6	287.0
80°	340.1	278.7	260.4	285.3	311.9	250.5	233.9
82.5°	318.5	235.5	223.9	296.9	326.8	215.6	189.1
85°	280.3	192.4	175.8	350.0	326.8	162.6	150.9
87.5°	187.4	114.5	109.5	257.1	223.9	112.8	91.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)