

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: INVUE

Report Number: P148716

Luminaire Tested: **VXM-F06-LED-E1-RW-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148716
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXM-F06-LED-E1-RW-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15877.3 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 156.5
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



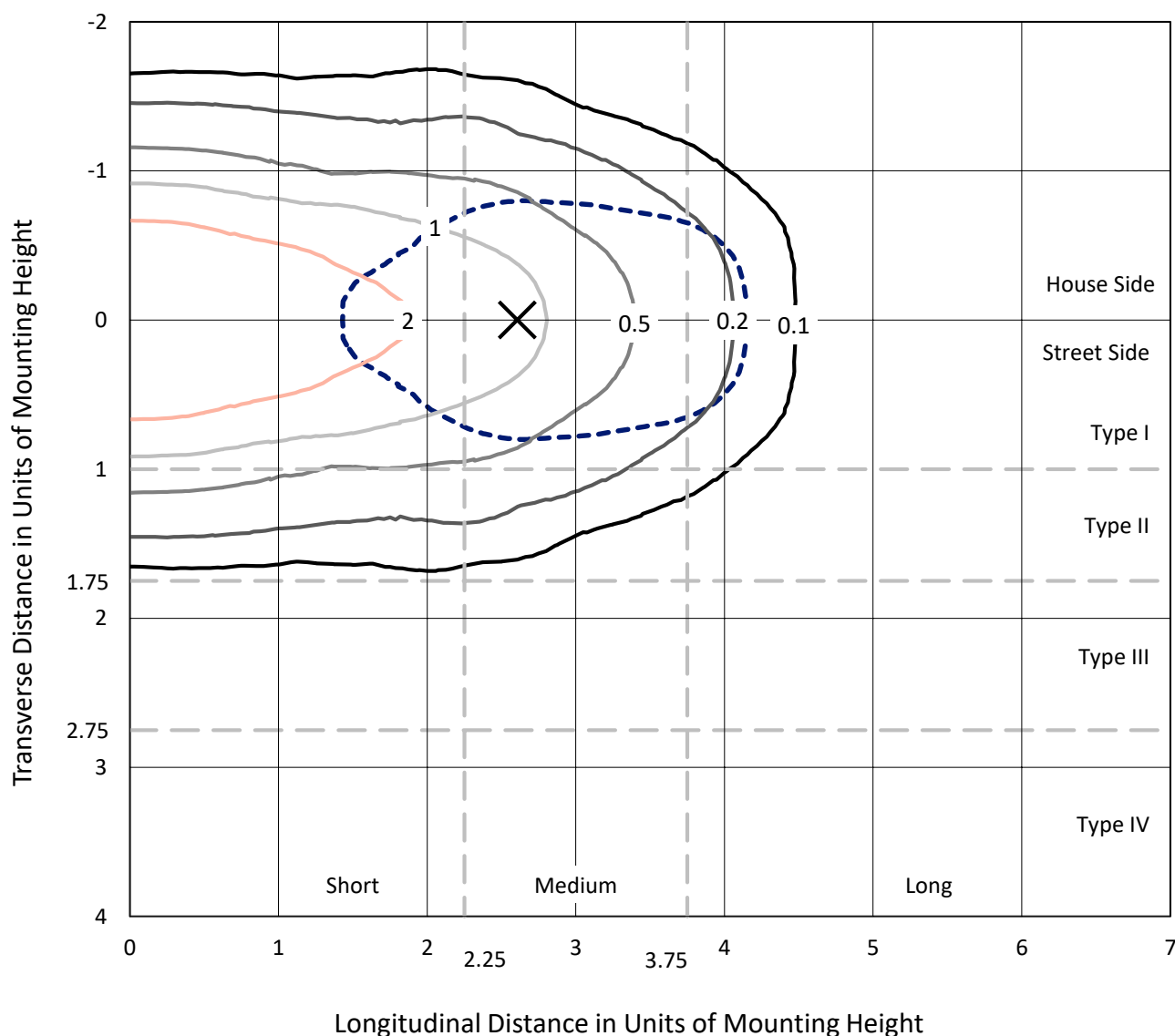
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

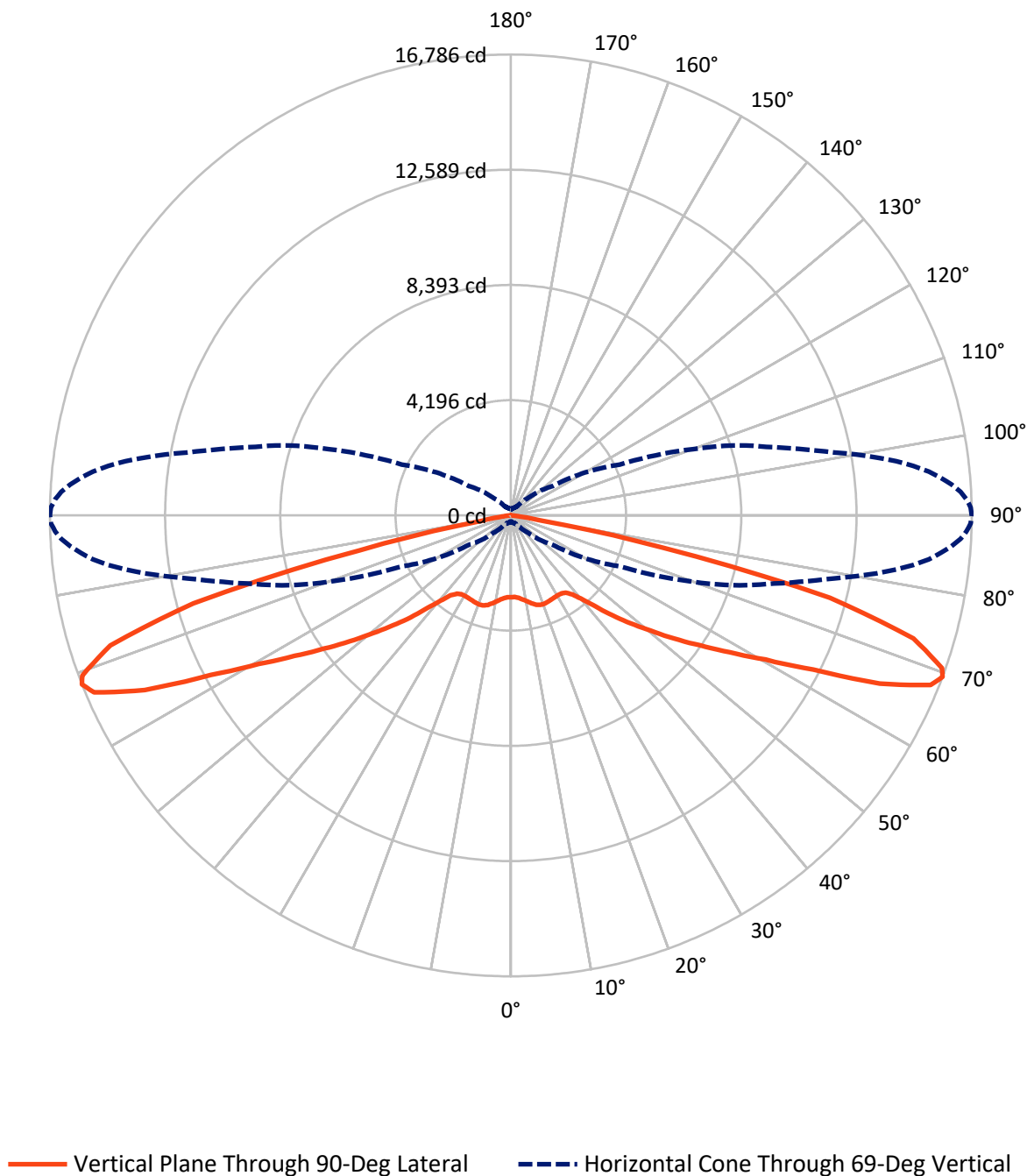


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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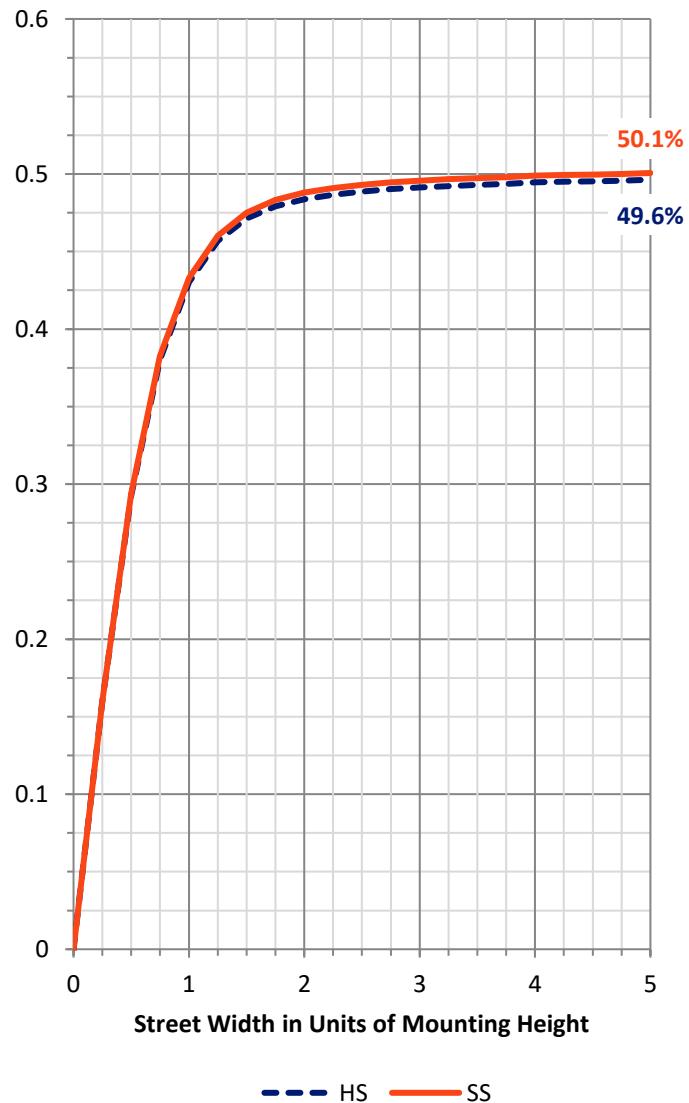
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7938.6	0.0	7938.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7938.6	0.0	7938.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15877.3	0.0	15877.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	1.8
10°-20°	920.5	5.8
20°-30°	1491.4	9.4
30°-40°	1858.6	11.7
40°-50°	2322.6	14.6
50°-60°	2867.9	18.1
60°-70°	3563.5	22.4
70°-80°	2365.7	14.9
80°-90°	195.3	1.2
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°	15877.3	100.0
0°-180°	15877.3	100.0

Coefficient of Utilization



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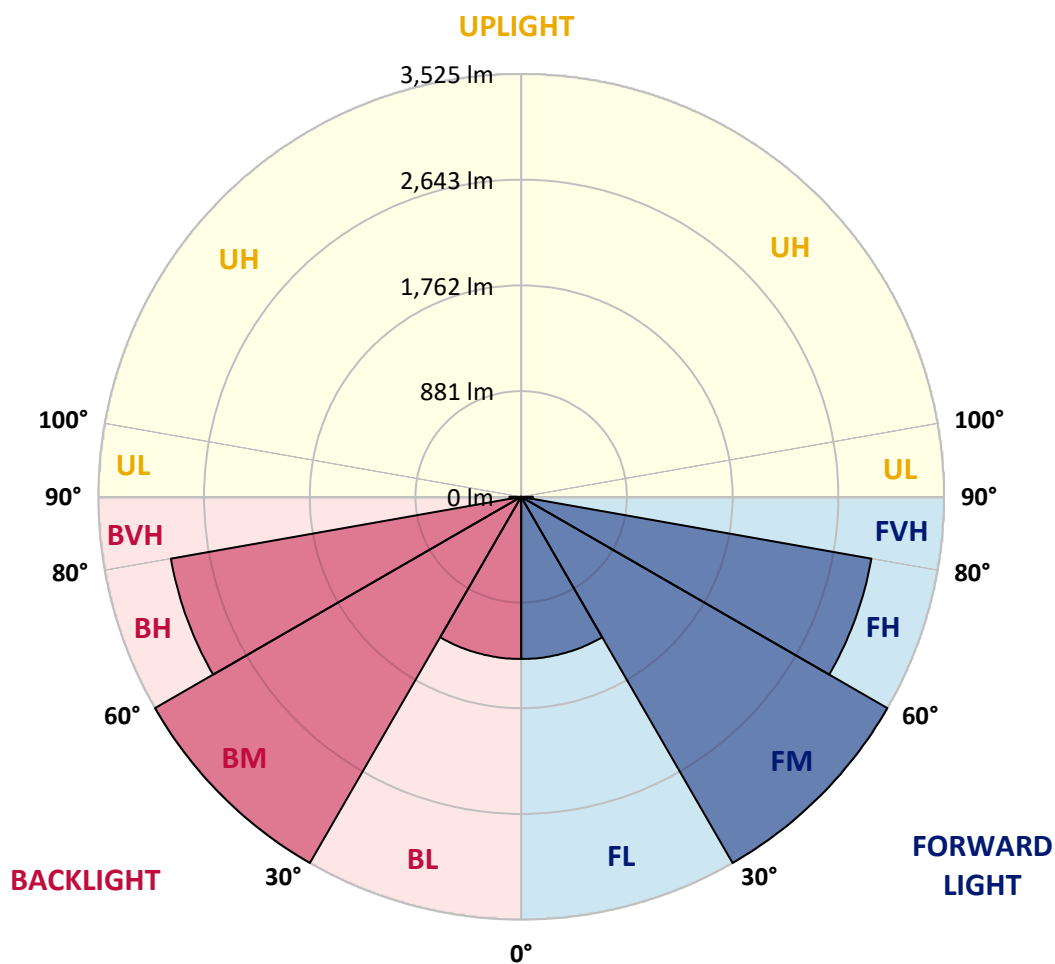
CATALOG NUMBER: VXM-F06-LED-E1-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1351.9	8.5			
FM	(30°-60°)	3524.5	22.2			
FH	(60°-80°)	2964.6	18.7			G2/5000
FVH	(80°-90°)	97.7	0.6			G1/100
BL	(0°-30°)	1351.9	8.5	B3/2500		
BM	(30°-60°)	3524.5	22.2	B3/5000		
BH	(60°-80°)	2964.6	18.7	B4/5000		G4/5000
BVH	(80°-90°)	97.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2988.5	2991.0	2989.4	2992.7	2991.9	2991.9	2990.2	2986.8	2986.4	2985.9	2985.5
5°	3017.3	3013.9	3019.0	3024.0	3022.4	3023.2	3022.4	3022.4	3022.0	3021.7	3021.3
7.5°	3047.8	3047.0	3050.4	3063.9	3065.6	3070.6	3076.6	3080.8	3081.0	3081.1	3081.3
10°	3074.0	3074.9	3083.4	3102.9	3113.0	3129.1	3145.1	3157.8	3158.8	3159.7	3160.7
12.5°	3095.2	3096.0	3108.8	3139.3	3163.9	3194.3	3229.0	3248.5	3250.2	3251.9	3253.6
15°	3096.9	3099.4	3121.4	3171.4	3220.6	3270.6	3312.0	3338.3	3339.7	3341.0	3342.4
17.5°	3074.8	3076.5	3113.8	3187.6	3269.8	3347.6	3390.8	3402.7	3403.2	3403.7	3404.2
20°	3017.3	3021.6	3074.0	3183.4	3308.7	3410.3	3455.2	3439.1	3437.5	3435.9	3434.3
22.5°	2924.1	2923.2	2991.8	3139.2	3316.3	3459.5	3499.2	3456.9	3451.9	3446.9	3441.9
25°	2773.3	2783.5	2864.0	3040.2	3273.1	3470.5	3530.6	3466.2	3459.0	3451.8	3444.6
27.5°	2609.8	2615.8	2701.3	2890.2	3172.3	3432.4	3545.8	3484.8	3476.8	3468.8	3460.7
30°	2419.2	2426.9	2518.4	2715.8	3010.5	3334.1	3541.6	3527.2	3517.8	3508.4	3499.0
32.5°	2232.9	2241.4	2323.6	2539.6	2840.2	3199.4	3516.2	3587.4	3577.7	3568.1	3558.4
35°	2039.8	2052.4	2152.4	2371.0	2675.9	3049.4	3477.2	3664.4	3659.1	3653.8	3648.4
37.5°	1879.6	1882.2	1978.8	2208.4	2523.4	2906.3	3425.6	3761.8	3765.8	3769.6	3773.6
40°	1700.9	1717.0	1813.6	2055.8	2385.4	2785.2	3376.4	3894.0	3914.2	3934.5	3954.7
42.5°	1540.8	1542.5	1640.8	1890.6	2235.4	2687.8	3349.4	4053.2	4096.5	4139.8	4183.1
45°	1372.2	1379.1	1468.0	1709.4	2062.6	2572.6	3348.5	4237.1	4306.2	4375.3	4444.4
47.5°	1213.0	1215.6	1309.6	1534.0	1864.4	2411.6	3342.6	4434.5	4528.6	4622.7	4716.8
50°	1060.6	1058.0	1150.4	1366.4	1668.8	2200.7	3290.9	4658.1	4776.9	4895.8	5014.6
52.5°	886.0	897.9	993.6	1200.4	1490.8	1986.4	3140.1	4902.9	5045.0	5187.2	5329.3
55°	714.9	720.0	822.5	1015.6	1310.4	1786.4	2877.6	5128.2	5295.8	5463.3	5630.8
57.5°	526.9	542.2	631.9	822.5	1127.4	1618.0	2543.8	5245.1	5449.0	5652.9	5856.8
60°	371.8	383.7	463.4	623.4	926.7	1440.9	2256.6	5179.8	5444.8	5709.8	5974.8
62.5°	289.7	299.0	362.6	466.8	722.6	1263.8	2050.8	4969.0	5329.5	5690.0	6050.5
65°	254.1	262.6	320.2	373.6	539.6	1083.4	1938.2	4746.2	5222.7	5699.3	6175.9
67.5°	229.6	239.8	289.7	327.0	439.6	945.4	1908.5	4605.6	5145.3	5685.1	6224.8
69°	218.6	228.7	273.6	305.0	408.3	896.2	1857.6	4384.4	4921.1	5457.7	5994.3
70°	211.8	220.2	261.8	294.0	398.2	862.4	1772.9	4108.4	4635.3	5162.3	5689.2
72.5°	196.5	200.8	237.2	268.5	369.3	697.2	1363.8	3051.2	3508.0	3964.8	4421.7
75°	173.6	178.8	212.6	243.1	288.0	432.8	863.2	1887.3	2228.3	2569.3	2910.4
77.5°	150.0	154.2	183.8	232.1	223.6	270.2	515.9	1050.4	1248.1	1445.9	1643.7
80°	120.3	125.4	151.6	230.4	184.6	210.0	371.0	734.4	787.8	841.1	894.5
82.5°	88.1	92.4	118.6	186.4	141.4	158.4	283.0	622.6	641.2	659.7	678.3
85°	44.9	45.8	75.4	113.6	89.8	82.2	159.2	426.0	437.9	449.8	461.6
87.5°	7.6	7.6	17.0	19.5	22.0	13.6	20.3	72.8	75.1	77.4	79.7
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: VXM-F06-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2985.1	2984.6	2983.2	2983.5	2984.6	2984.0	2985.0	2985.2	2986.2	2983.1	2982.4
5°	3021.0	3020.7	3020.5	3020.3	3021.0	3020.8	3021.5	3022.9	3022.5	3020.5	3020.1
7.5°	3081.5	3081.6	3082.5	3081.6	3083.4	3082.6	3080.8	3083.6	3085.4	3085.6	3087.4
10°	3161.6	3162.6	3165.5	3165.1	3168.0	3167.7	3168.1	3171.0	3173.0	3173.3	3175.3
12.5°	3255.3	3257.0	3258.5	3260.0	3263.2	3261.4	3265.5	3267.2	3269.7	3274.8	3272.2
15°	3343.7	3345.1	3349.7	3350.0	3352.9	3354.1	3357.8	3359.3	3360.0	3364.1	3364.7
17.5°	3404.7	3405.2	3406.9	3406.1	3408.7	3407.8	3410.4	3411.7	3413.9	3416.1	3420.0
20°	3432.7	3431.0	3430.2	3429.2	3427.4	3424.8	3425.6	3426.7	3427.1	3429.1	3432.0
22.5°	3436.9	3431.9	3426.7	3423.3	3418.1	3413.8	3409.5	3409.8	3410.2	3409.6	3411.7
25°	3437.4	3430.2	3422.2	3412.4	3405.2	3395.5	3387.4	3386.8	3384.4	3384.6	3385.6
27.5°	3452.7	3444.6	3433.4	3422.1	3406.6	3393.6	3380.7	3376.1	3371.5	3368.7	3367.5
30°	3489.6	3480.2	3466.7	3452.4	3435.6	3415.3	3396.8	3391.0	3384.4	3378.6	3373.8
32.5°	3548.7	3539.1	3524.2	3509.3	3486.8	3466.7	3448.4	3439.1	3429.8	3419.7	3410.4
35°	3643.1	3637.8	3624.6	3611.5	3595.0	3579.3	3562.8	3552.3	3536.7	3528.8	3517.4
37.5°	3777.4	3781.3	3781.4	3783.1	3778.0	3770.4	3758.5	3747.5	3742.4	3721.2	3707.6
40°	3975.0	3995.2	4013.8	4028.1	4040.7	4053.3	4064.2	4057.8	4059.9	4054.3	4046.1
42.5°	4226.4	4269.7	4309.2	4348.8	4377.4	4422.0	4453.1	4462.9	4488.0	4497.8	4516.1
45°	4513.6	4582.7	4649.1	4710.4	4767.5	4831.4	4893.6	4939.8	4990.3	5047.5	5104.8
47.5°	4810.9	4905.0	5002.8	5082.9	5165.5	5259.9	5342.5	5412.1	5503.0	5587.0	5679.5
50°	5133.5	5252.3	5363.7	5462.4	5568.7	5677.5	5790.6	5892.9	6015.6	6150.1	6295.6
52.5°	5471.5	5613.6	5742.5	5866.4	5991.0	6115.7	6236.2	6380.7	6532.0	6709.5	6891.3
55°	5798.4	5966.0	6112.1	6249.9	6392.7	6532.1	6656.3	6849.6	7035.3	7247.2	7484.6
57.5°	6060.7	6264.6	6433.2	6596.8	6757.8	6906.1	7058.7	7276.7	7513.4	7761.1	8062.1
60°	6239.7	6504.7	6720.0	6916.7	7114.2	7300.8	7476.3	7761.3	8042.8	8350.7	8725.4
62.5°	6411.0	6771.6	7052.4	7320.6	7587.1	7826.5	8044.7	8403.2	8771.0	9151.5	9597.2
65°	6652.4	7129.0	7542.7	7916.6	8285.4	8637.3	8963.8	9418.0	9882.3	10383.1	10915.2
67.5°	6764.6	7304.4	7843.1	8347.1	8815.5	9261.1	9680.4	10229.5	10776.0	11356.4	11999.5
69°	6530.9	7067.6	7643.5	8194.0	8711.5	9184.1	9638.0	10198.6	10766.8	11359.6	12008.3
70°	6216.2	6743.2	7324.5	7899.9	8394.8	8887.2	9357.6	9913.8	10489.5	11083.8	11762.8
72.5°	4878.5	5335.3	5902.3	6460.7	6957.4	7451.5	7908.3	8477.5	9056.9	9681.2	10324.1
75°	3251.4	3592.4	4014.8	4532.8	4988.2	5425.0	5867.7	6349.2	6914.5	7429.0	8017.2
77.5°	1841.5	2039.3	2284.7	2621.6	2948.3	3209.8	3525.6	3752.0	4080.2	4363.4	4662.8
80°	947.9	1001.2	1074.4	1155.2	1201.3	1194.0	1241.0	1194.5	1204.9	1166.9	1126.5
82.5°	696.8	715.4	748.5	764.6	763.1	709.8	653.1	574.5	505.2	432.5	365.8
85°	473.5	485.4	493.7	506.2	502.7	479.6	428.6	360.4	293.8	235.6	188.6
87.5°	82.0	84.3	83.7	90.7	91.0	84.4	69.4	59.3	50.0	37.3	26.2
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2981.7	2981.7	2983.4	2981.7	2981.7	2981.7	2980.8	2982.6	2981.7	2979.1	2976.6
5°	3020.6	3018.1	3017.2	3019.0	3020.6	3017.3	3019.8	3022.4	3018.1	3019.0	3017.3
7.5°	3085.9	3085.0	3084.2	3085.9	3085.9	3085.0	3085.9	3083.4	3081.6	3084.2	3086.7
10°	3173.1	3172.3	3174.0	3174.0	3177.4	3175.7	3174.9	3177.4	3175.7	3174.0	3174.8
12.5°	3275.6	3273.1	3277.3	3277.3	3279.8	3279.8	3279.0	3279.8	3279.0	3276.5	3274.8
15°	3367.1	3363.7	3364.6	3371.4	3370.5	3372.2	3372.2	3370.5	3369.6	3368.8	3369.7
17.5°	3422.2	3420.5	3420.5	3423.9	3426.4	3425.6	3425.6	3425.6	3424.8	3425.6	3427.3
20°	3432.4	3432.4	3433.2	3436.6	3440.8	3438.3	3438.3	3440.0	3438.2	3440.0	3440.8
22.5°	3412.9	3414.6	3416.2	3420.5	3421.4	3421.4	3421.4	3422.2	3423.9	3423.9	3425.6
25°	3385.8	3387.4	3390.0	3393.4	3396.8	3396.8	3396.8	3398.4	3398.4	3399.3	3400.2
27.5°	3365.4	3367.1	3369.7	3373.0	3377.3	3377.3	3377.3	3379.0	3379.0	3379.8	3381.5
30°	3368.0	3364.6	3367.2	3368.8	3371.4	3371.4	3370.5	3371.4	3372.2	3372.2	3373.1
32.5°	3404.4	3396.8	3394.2	3393.4	3394.2	3391.7	3390.8	3389.2	3387.4	3387.4	3386.6
35°	3501.0	3489.1	3488.2	3481.4	3474.8	3468.0	3468.8	3463.7	3465.4	3461.2	3457.8
37.5°	3699.2	3685.6	3694.1	3679.7	3670.4	3663.6	3656.0	3645.8	3639.9	3647.5	3647.5
40°	4054.1	4044.8	4042.2	4044.8	4036.3	4040.6	4022.0	4016.8	4005.8	4013.4	4023.6
42.5°	4544.6	4538.6	4570.8	4576.8	4580.2	4585.2	4588.6	4560.6	4559.8	4553.9	4536.9
45°	5150.2	5185.8	5184.1	5223.0	5224.8	5212.9	5218.0	5205.3	5200.2	5181.6	5204.4
47.5°	5772.8	5840.6	5866.0	5874.4	5906.6	5914.3	5883.8	5873.6	5891.4	5860.9	5865.2
50°	6441.2	6514.0	6573.3	6613.2	6636.0	6637.7	6614.8	6609.8	6625.8	6568.2	6595.3
52.5°	7098.5	7208.6	7320.4	7379.8	7422.1	7425.4	7443.2	7422.1	7430.6	7417.0	7444.1
55°	7746.5	7937.1	8068.4	8184.4	8258.2	8321.7	8327.6	8350.4	8352.2	8380.1	8352.2
57.5°	8380.2	8587.6	8816.4	9022.2	9136.6	9208.6	9276.3	9368.7	9389.0	9378.0	9395.8
60°	9128.1	9449.1	9760.0	9997.2	10194.6	10383.4	10485.1	10630.0	10652.8	10715.5	10661.3
62.5°	10073.4	10539.4	10961.2	11280.5	11580.3	11874.4	12096.2	12208.0	12275.8	12407.1	12363.9
65°	11523.6	12082.6	12640.9	13098.3	13518.4	13868.3	14205.4	14366.4	14544.3	14730.6	14764.5
67.5°	12718.0	13410.0	14039.4	14596.8	15105.9	15494.7	15845.4	16124.1	16341.0	16478.2	16489.2
69°	12772.2	13491.4	14175.0	14773.0	15304.1	15717.5	16086.8	16396.8	16607.8	16748.4	16785.7
70°	12513.0	13249.1	13977.6	14581.6	15125.4	15548.1	15939.4	16235.0	16470.6	16613.7	16663.7
72.5°	11055.2	11841.2	12619.7	13149.2	13704.8	14208.0	14521.4	14823.0	15155.0	15198.2	15335.5
75°	8714.8	9375.4	9979.4	10384.3	10848.4	11300.0	11607.4	11687.1	11860.8	12079.3	12001.4
77.5°	5050.3	5253.6	5643.2	5743.2	5658.5	5855.0	5920.2	5781.3	5774.5	5902.5	5648.3
80°	1119.0	1055.4	1135.1	1075.8	1077.5	1079.2	1061.4	1054.6	1067.4	1054.6	1036.8
82.5°	310.0	299.8	301.5	298.2	304.1	299.8	297.3	304.1	303.2	302.4	308.3
85°	149.0	147.4	144.9	144.0	140.6	136.4	129.6	129.6	133.0	127.9	130.4
87.5°	19.4	18.6	18.6	22.0	19.4	16.0	16.0	16.0	15.2	15.2	15.2
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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