

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: LUMARK

Report Number: P285869

Luminaire Tested: **PRV-XL-C175-D-UNV-T5-BZ-7030**

Issue Date: 2/13/2019

Test Information

Test Method: LM-79-08
Report Number: P285869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 2/13/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-XL-C175-D-UNV-T5-BZ-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51398 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

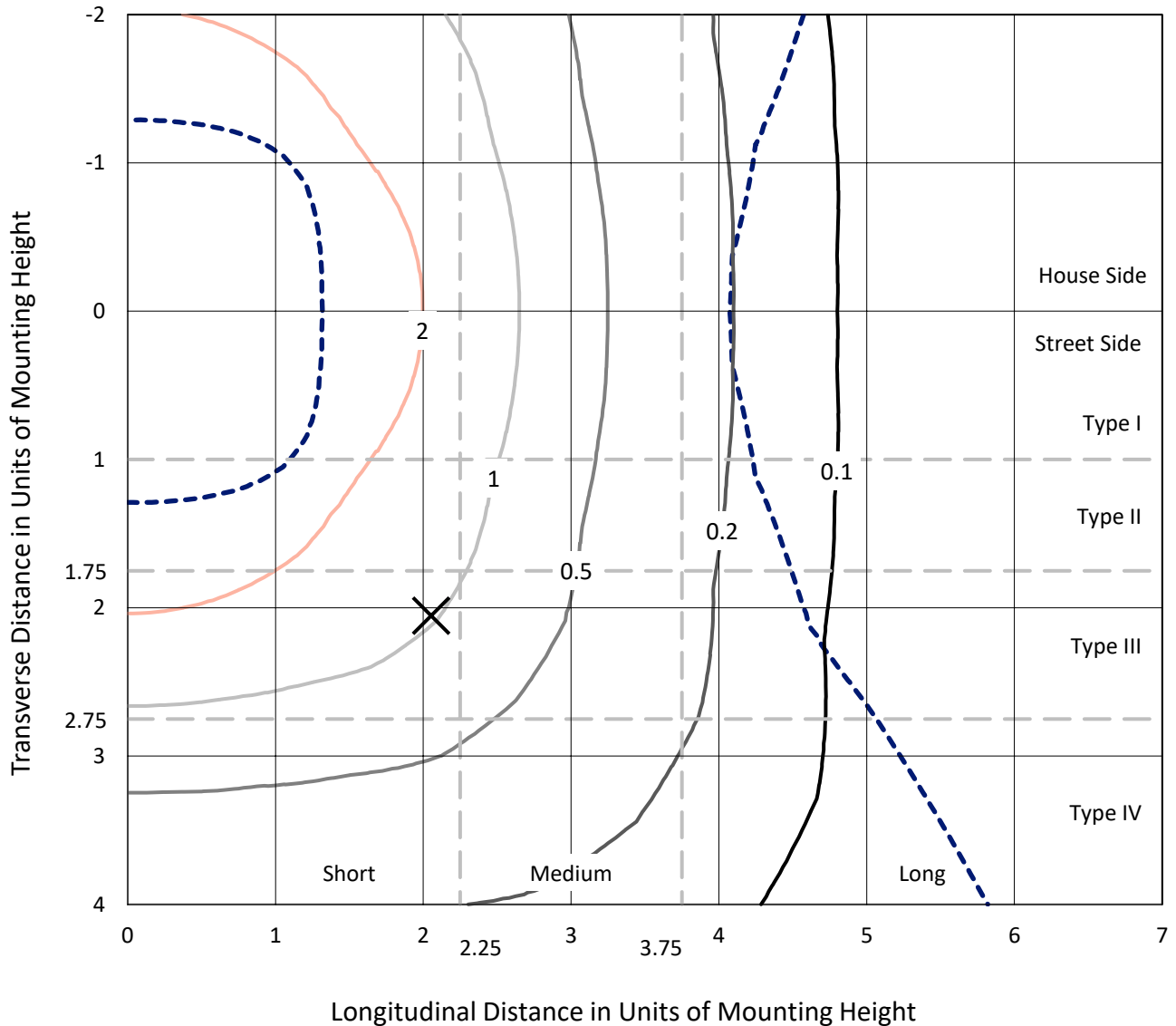
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

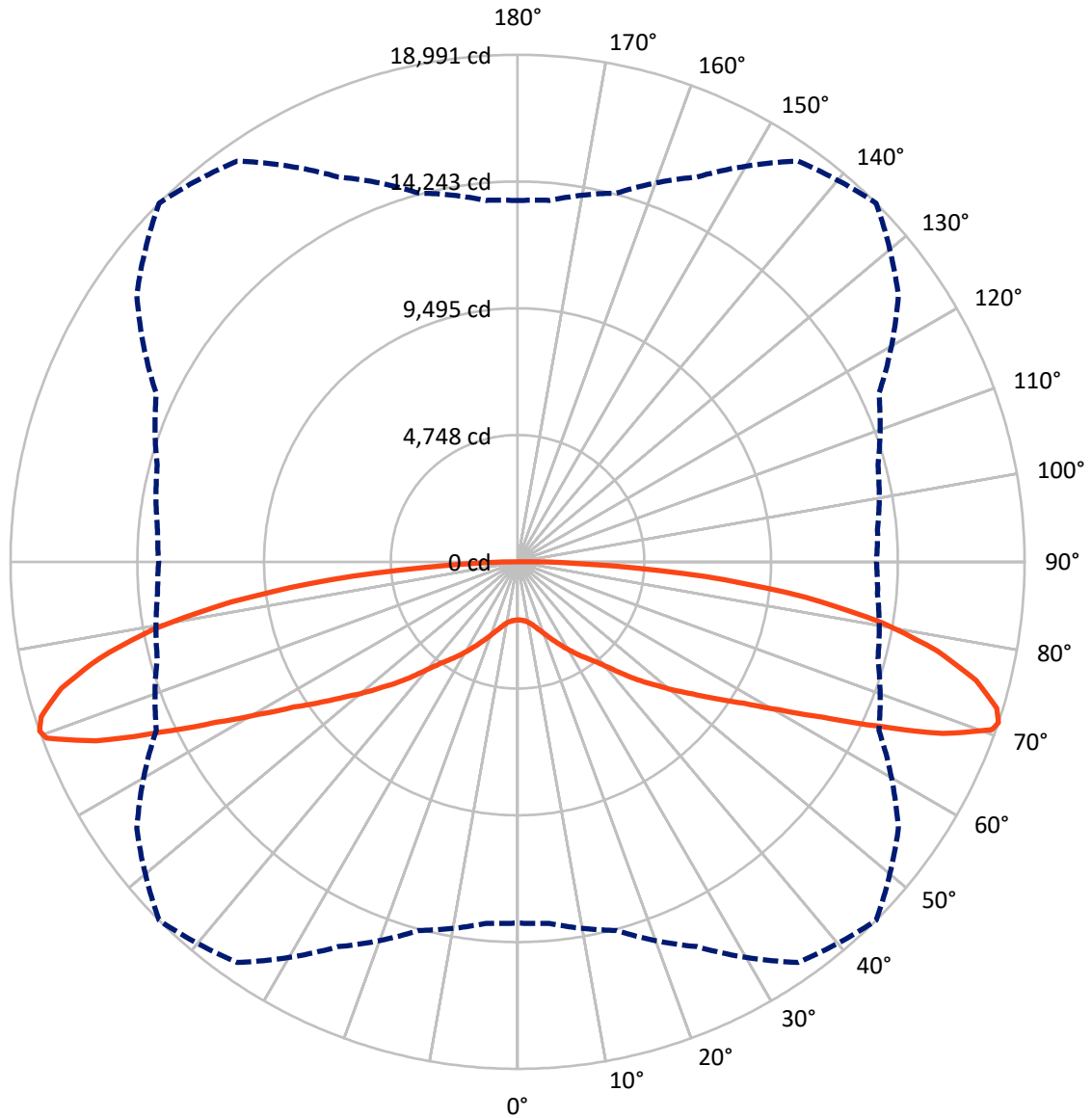
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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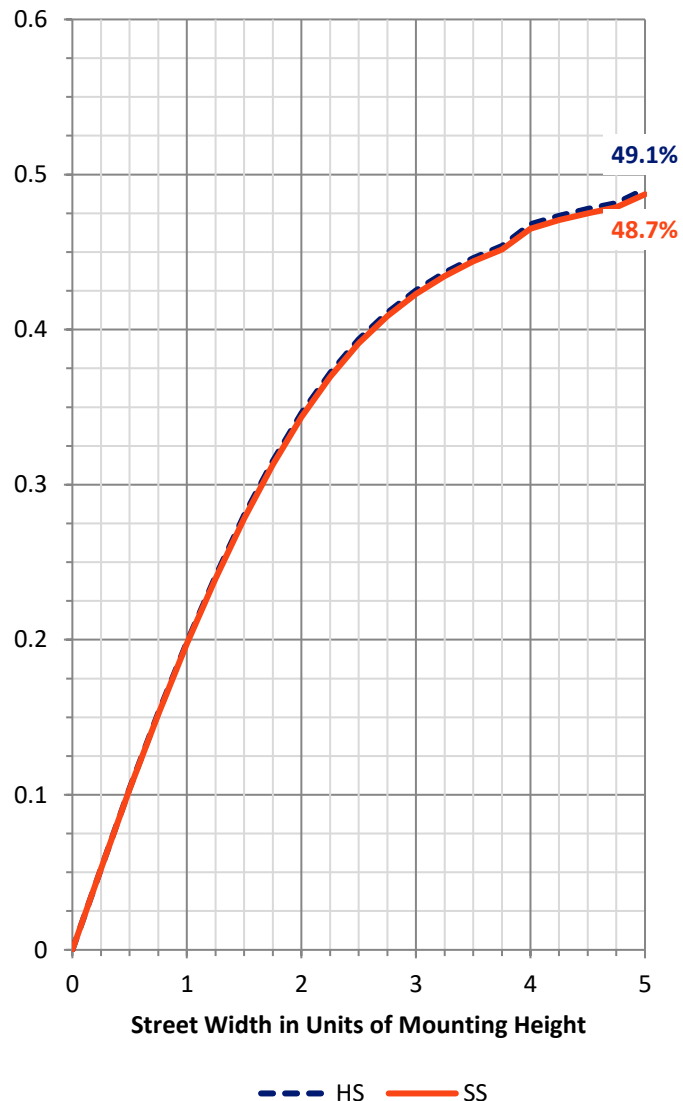
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25699.0	0.0	25699.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25699.0	0.0	25699.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	51398.0	0.0	51398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	0.4
10°-20°	719.0	1.4
20°-30°	1512.0	2.9
30°-40°	2784.8	5.4
40°-50°	5112.9	9.9
50°-60°	8911.3	17.3
60°-70°	14400.4	28.0
70°-80°	13875.8	27.0
80°-90°	3868.5	7.5
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°	51398.0	100.0
0°-180°	51398.0	100.0

Coefficient of Utilization

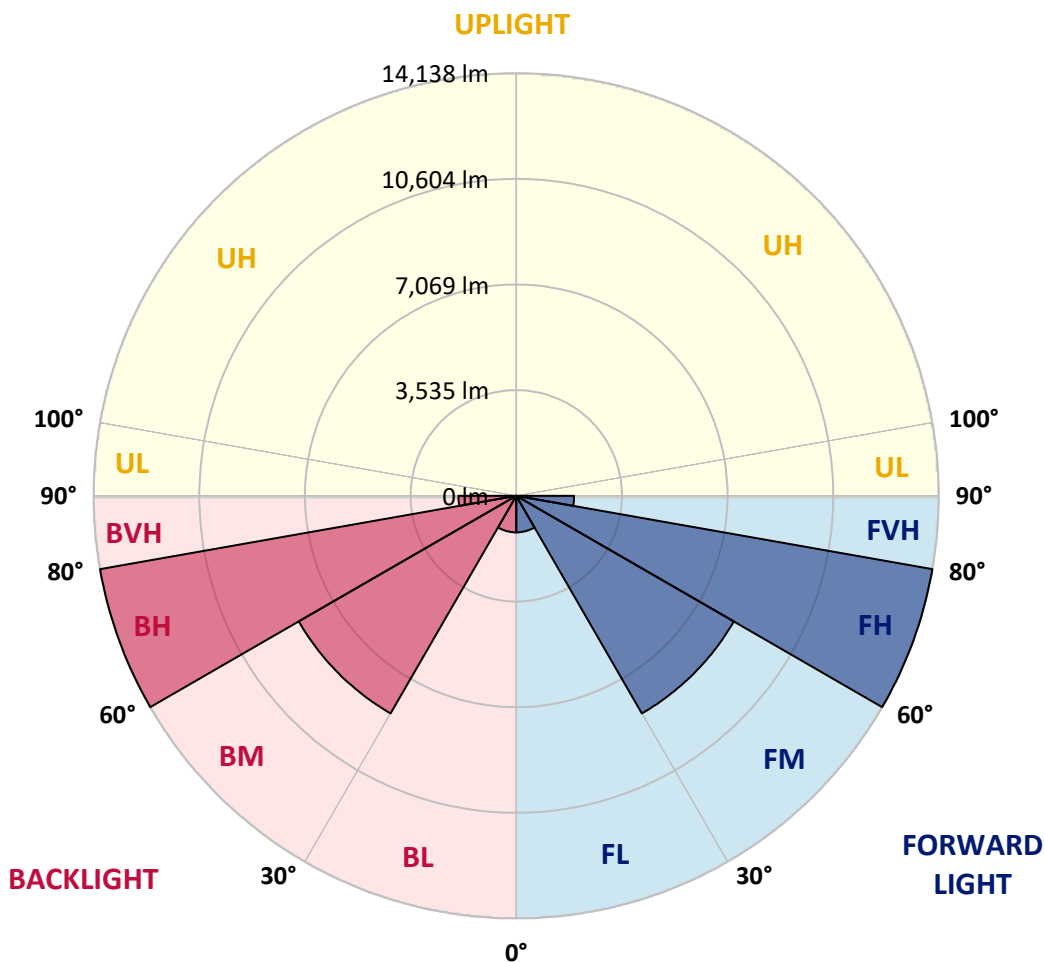


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1222.2	2.4			
FM (30°-60°)	8404.5	16.4			
FH (60°-80°)	14138.1	27.5			G5
FVH (80°-90°)	1934.3	3.8			G5
BL (0°-30°)	1222.2	2.4	B3/2500		
BM (30°-60°)	8404.5	16.4	B4/8500		
BH (60°-80°)	14138.1	27.5	B5		G5
BVH (80°-90°)	1934.3	3.8			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4	2174.4
2.5°	2183.6	2194.5	2189.0	2185.4	2187.2	2185.4	2181.7	2178.1	2174.4	2172.6	2172.6
5°	2200.0	2207.3	2205.5	2203.7	2205.5	2209.1	2207.3	2205.5	2200.0	2196.3	2196.3
7.5°	2240.2	2242.0	2243.9	2242.0	2242.0	2247.5	2243.9	2242.0	2231.1	2229.2	2225.6
10°	2302.3	2300.5	2306.0	2307.8	2307.8	2311.5	2300.5	2293.2	2273.1	2271.3	2267.6
12.5°	2375.4	2375.4	2382.7	2391.9	2399.2	2406.5	2386.4	2369.9	2342.5	2331.6	2333.4
15°	2475.9	2474.1	2483.2	2503.3	2523.4	2538.0	2508.8	2481.4	2444.8	2430.2	2433.9
17.5°	2607.5	2605.6	2620.3	2644.0	2676.9	2698.8	2658.6	2618.4	2585.5	2567.3	2567.3
20°	2768.3	2770.1	2781.1	2812.1	2854.1	2881.6	2830.4	2777.4	2753.7	2737.2	2733.6
22.5°	2956.5	2971.1	2965.6	3002.2	3058.8	3089.9	3029.6	2971.1	2949.2	2938.2	2934.5
25°	3179.4	3194.0	3179.4	3215.9	3287.2	3318.3	3256.1	3192.2	3181.2	3173.9	3170.3
27.5°	3427.9	3429.7	3426.1	3446.2	3543.0	3574.1	3491.9	3435.2	3440.7	3437.0	3431.6
30°	3698.3	3696.5	3692.9	3687.4	3809.8	3848.2	3756.8	3711.1	3729.4	3718.4	3718.4
32.5°	3999.8	3994.3	3974.2	3987.0	4060.1	4135.0	4027.2	3999.8	4052.8	4045.5	4052.8
35°	4330.6	4328.7	4290.4	4303.1	4354.3	4421.9	4339.7	4326.9	4407.3	4425.6	4436.5
37.5°	4707.0	4708.8	4655.8	4648.5	4690.5	4739.9	4708.8	4741.7	4860.5	4922.6	4906.1
40°	5194.8	5187.5	5116.3	5057.8	5101.7	5165.6	5198.5	5289.9	5472.6	5565.8	5574.9
42.5°	5854.5	5836.2	5754.0	5640.7	5662.6	5704.6	5803.3	5962.3	6181.6	6269.3	6243.7
45°	6636.5	6603.6	6483.0	6353.3	6283.9	6298.5	6391.7	6589.0	6852.1	6969.1	6989.2
47.5°	7520.9	7482.5	7301.6	7056.8	6888.7	6870.4	6963.6	7228.6	7548.3	7690.9	7683.5
50°	8516.8	8469.3	8277.4	7901.0	7588.5	7535.5	7599.5	7928.4	8303.0	8494.8	8483.9
52.5°	9604.0	9536.4	9326.2	8840.2	8425.4	8218.9	8312.1	8706.8	9088.7	9335.4	9344.5
55°	10711.3	10696.7	10426.2	9936.5	9370.1	9064.9	9128.9	9552.8	10024.2	10274.6	10263.6
57.5°	11827.7	11789.3	11575.6	11062.1	10495.7	9985.9	10055.3	10519.4	11001.8	11264.9	11255.8
60°	12918.6	12865.6	12699.3	12315.6	11838.7	11248.5	11204.6	11648.7	12072.6	12317.4	12295.5
62.5°	14051.5	14049.6	13914.4	13614.8	13360.8	12808.9	12595.2	12904.0	13278.6	13508.8	13496.0
65°	15067.4	15074.7	15093.0	15102.1	15127.7	14835.4	14354.8	14312.8	14590.5	14727.6	14689.2
67.5°	15085.7	15153.3	15473.1	16132.7	17044.5	17161.4	16222.2	15363.4	15045.5	14881.0	14860.9
70°	14084.4	14166.6	14776.9	16119.9	18193.8	18840.7	17272.9	15206.3	14413.3	13994.8	13914.4
71°	13528.9	13589.2	14292.7	15902.5	18318.1	18990.5	17409.9	14930.4	13971.1	13532.5	13441.2
72.5°	12544.0	12598.8	13494.2	15323.2	18144.5	18762.1	17274.7	14400.5	13190.8	12653.6	12549.5
75°	10621.7	10766.1	11639.5	13907.1	17112.1	17737.0	16353.8	12995.3	11484.2	10694.8	10618.1
77.5°	7911.9	8162.3	9222.1	11734.5	15244.7	16074.2	14649.0	10936.0	9183.7	8315.8	8220.8
80°	4467.6	4721.6	6172.4	8896.8	12774.2	13863.3	12165.8	8299.3	6526.9	5425.1	5304.5
82.5°	1653.7	1600.7	2965.6	5602.3	9514.4	10841.0	8904.1	5410.5	3592.4	2490.5	2413.8
85°	365.4	548.2	1308.3	2823.1	6004.3	7040.4	5253.3	2728.1	1392.4	718.1	670.6
87.5°	100.5	179.1	449.5	1184.1	2419.3	2742.7	1980.7	740.0	222.9	87.7	87.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)