

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: P285873

Luminaire Tested: **PRV-XL-C150-D-UNV-T5-BZ**

Issue Date: 2/13/2019

Test Information

Test Method: LM-79-08
Report Number: P285873
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-C150-D-UNV-T5-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44287 lumens
Efficiency: N/A
Efficacy: 155.4 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

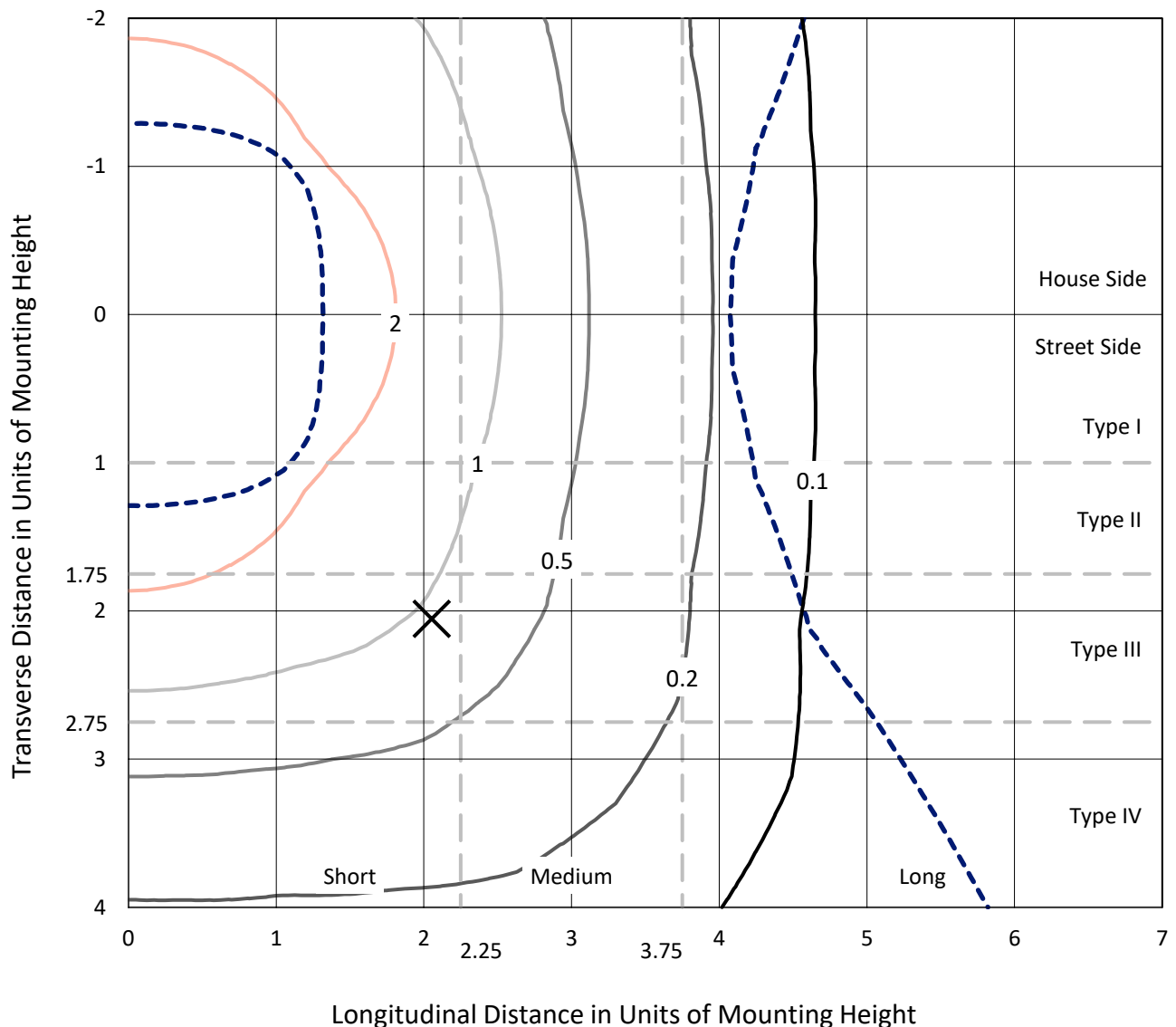
Input Watts (W): 285
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

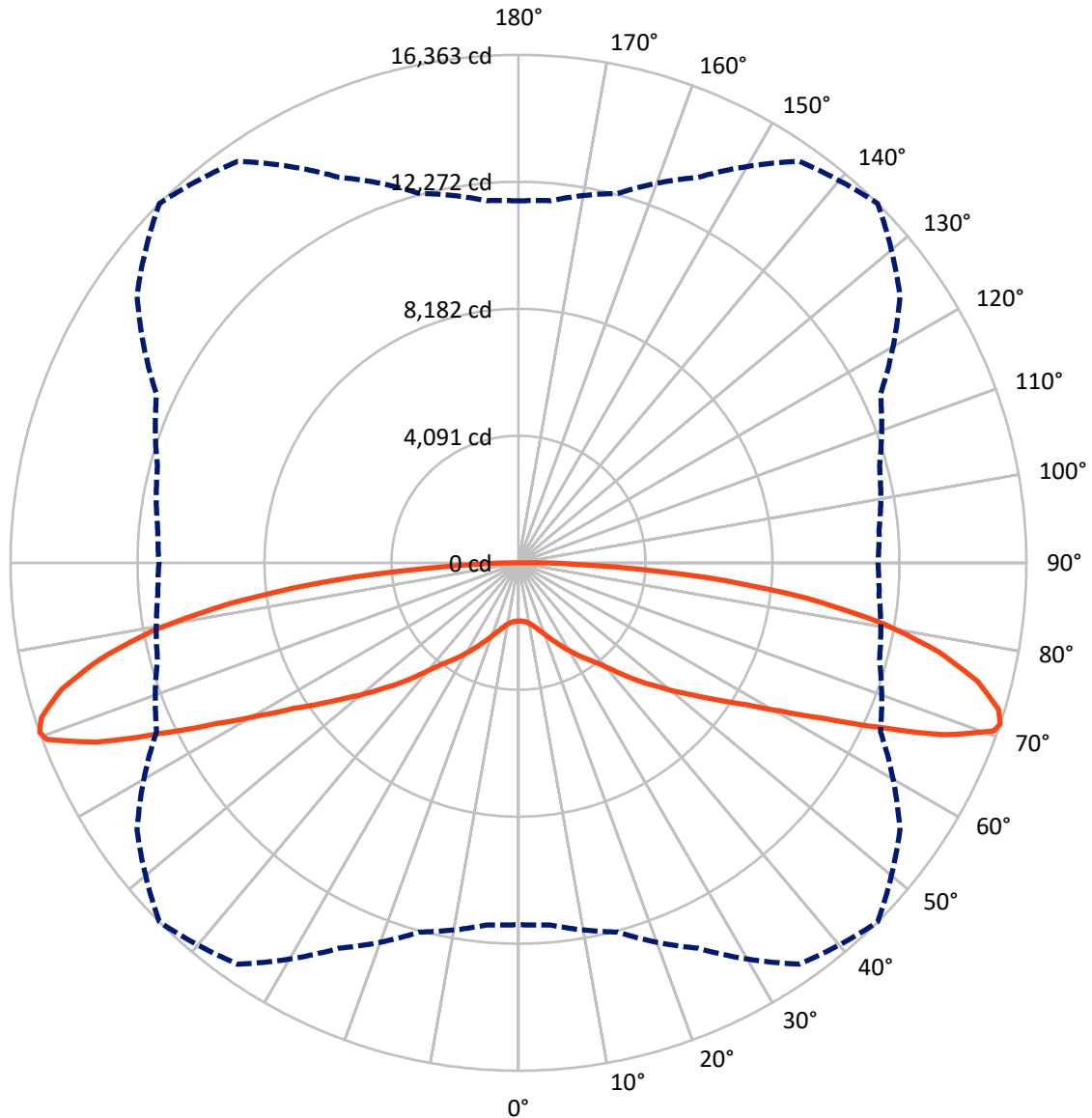
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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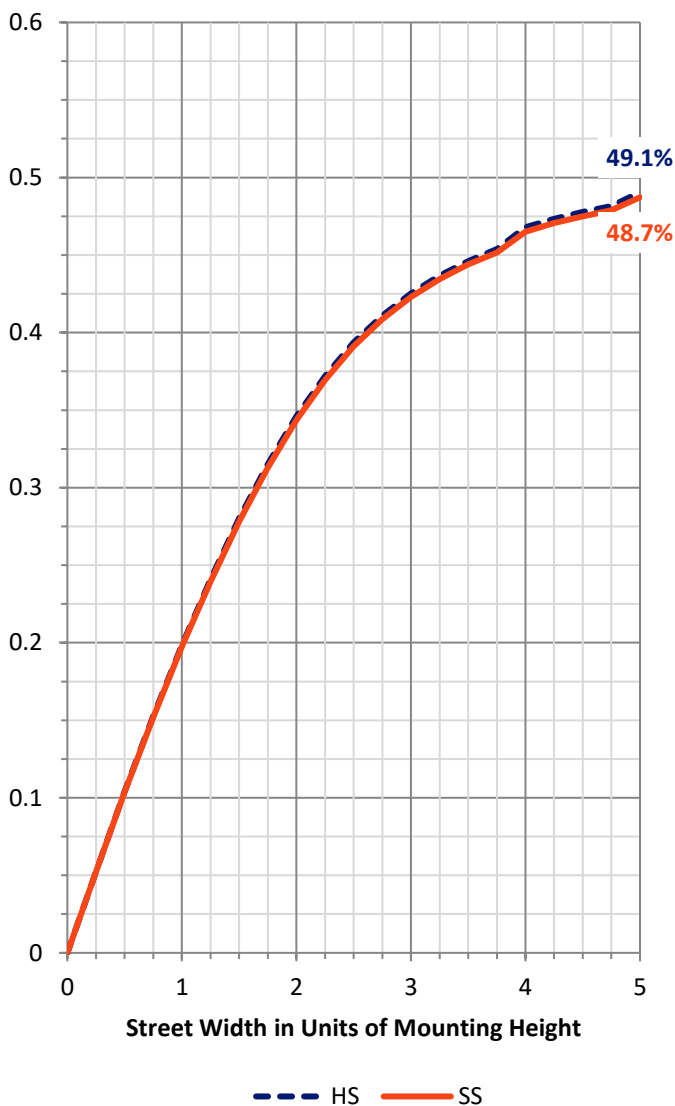
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22143.5	0.0	22143.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22143.5	0.0	22143.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44287.0	0.0	44287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	0.4
10°-20°	619.5	1.4
20°-30°	1302.8	2.9
30°-40°	2399.5	5.4
40°-50°	4405.5	9.9
50°-60°	7678.4	17.3
60°-70°	12408.1	28.0
70°-80°	11956.0	27.0
80°-90°	3333.3	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°	44287.0	100.0
0°-180°	44287.0	100.0

Coefficient of Utilization

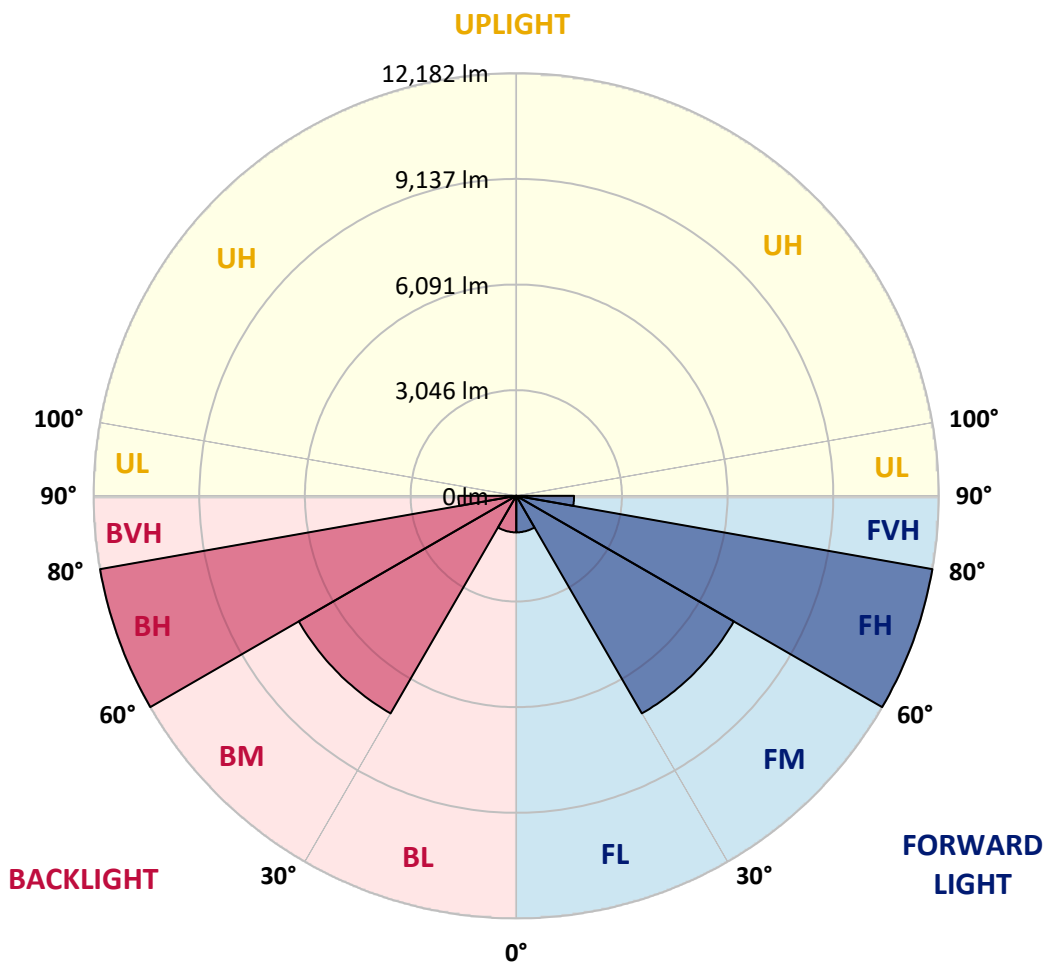


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.1	2.4			
FM (30°-60°)	7241.7	16.4			
FH (60°-80°)	12182.1	27.5			G5
FVH (80°-90°)	1666.7	3.8			G5
BL (0°-30°)	1053.1	2.4	B3/2500		
BM (30°-60°)	7241.7	16.4	B4/8500		
BH (60°-80°)	12182.1	27.5	B5		G5
BVH (80°-90°)	1666.7	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°	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6	1873.6
2.5°	1881.5	1890.9	1886.2	1883.0	1884.6	1883.0	1879.9	1876.7	1873.6	1872.0	1872.0
5°	1895.6	1901.9	1900.3	1898.8	1900.3	1903.5	1901.9	1900.3	1895.6	1892.5	1892.5
7.5°	1930.3	1931.8	1933.4	1931.8	1931.8	1936.6	1933.4	1931.8	1922.4	1920.8	1917.7
10°	1983.8	1982.2	1986.9	1988.5	1988.5	1991.7	1982.2	1975.9	1958.6	1957.0	1953.9
12.5°	2046.8	2046.8	2053.1	2060.9	2067.2	2073.5	2056.2	2042.0	2018.4	2009.0	2010.6
15°	2133.4	2131.8	2139.7	2157.0	2174.3	2186.9	2161.7	2138.1	2106.6	2094.0	2097.2
17.5°	2246.7	2245.1	2257.7	2278.2	2306.6	2325.4	2290.8	2256.2	2227.8	2212.1	2212.1
20°	2385.3	2386.8	2396.3	2423.1	2459.3	2482.9	2438.8	2393.1	2372.7	2358.5	2355.4
22.5°	2547.4	2560.0	2555.3	2586.8	2635.6	2662.4	2610.4	2560.0	2541.1	2531.7	2528.5
25°	2739.5	2752.1	2739.5	2771.0	2832.4	2859.2	2805.6	2750.5	2741.1	2734.8	2731.6
27.5°	2953.6	2955.2	2952.1	2969.4	3052.8	3079.6	3008.8	2959.9	2964.7	2961.5	2956.8
30°	3186.7	3185.1	3181.9	3177.2	3282.7	3315.8	3237.0	3197.7	3213.4	3204.0	3204.0
32.5°	3446.4	3441.7	3424.4	3435.4	3498.4	3563.0	3470.1	3446.4	3492.1	3485.8	3492.1
35°	3731.4	3729.8	3696.8	3707.8	3751.9	3810.1	3739.3	3728.3	3797.5	3813.3	3822.7
37.5°	4055.8	4057.3	4011.7	4005.4	4041.6	4084.1	4057.3	4085.7	4188.0	4241.5	4227.4
40°	4476.1	4469.8	4408.4	4358.0	4395.8	4450.9	4479.3	4558.0	4715.4	4795.7	4803.6
42.5°	5044.5	5028.8	4957.9	4860.3	4879.2	4915.4	5000.4	5137.4	5326.3	5401.9	5379.9
45°	5718.4	5690.0	5586.1	5474.3	5414.5	5427.1	5507.4	5677.4	5904.1	6004.9	6022.2
47.5°	6480.4	6447.3	6291.5	6080.5	5935.6	5919.9	6000.2	6228.5	6504.0	6626.8	6620.5
50°	7338.5	7297.5	7132.2	6807.9	6538.6	6493.0	6548.1	6831.5	7154.2	7319.6	7310.1
52.5°	8275.2	8217.0	8035.9	7617.1	7259.7	7081.8	7162.1	7502.2	7831.3	8043.8	8051.7
55°	9229.4	9216.8	8983.7	8561.8	8073.7	7810.8	7865.9	8231.2	8637.4	8853.1	8843.6
57.5°	10191.3	10158.3	9974.1	9531.6	9043.6	8604.3	8664.1	9064.0	9479.7	9706.4	9698.5
60°	11131.3	11085.6	10942.3	10611.7	10200.8	9692.2	9654.5	10037.0	10402.3	10613.3	10594.4
62.5°	12107.4	12105.9	11989.3	11731.1	11512.3	11036.8	10852.6	11118.7	11441.4	11639.8	11628.8
65°	12982.8	12989.1	13004.9	13012.7	13034.8	12782.9	12368.8	12332.6	12571.9	12690.0	12656.9
67.5°	12998.6	13056.8	13332.3	13900.7	14686.4	14787.1	13977.9	13237.9	12963.9	12822.2	12804.9
70°	12135.8	12206.6	12732.5	13889.7	15676.7	16234.0	14883.2	13102.5	12419.2	12058.6	11989.3
71°	11657.1	11709.1	12315.3	13702.3	15783.7	16363.1	15001.2	12864.7	12038.2	11660.3	11581.6
72.5°	10808.5	10855.7	11627.2	13203.2	15634.2	16166.3	14884.7	12408.1	11365.9	10903.0	10813.2
75°	9152.2	9276.6	10029.2	11983.0	14744.6	15283.1	14091.2	11197.4	9895.3	9215.2	9149.1
77.5°	6817.3	7033.0	7946.2	10111.0	13135.5	13850.3	12622.3	9423.0	7913.1	7165.3	7083.4
80°	3849.5	4068.3	5318.5	7665.9	11006.9	11945.3	10482.6	7151.1	5623.9	4674.5	4570.6
82.5°	1424.9	1379.2	2555.3	4827.2	8198.1	9341.1	7672.2	4661.9	3095.3	2146.0	2079.8
85°	314.9	472.3	1127.3	2432.5	5173.6	6066.3	4526.5	2350.6	1199.7	618.8	577.8
87.5°	86.6	154.3	387.3	1020.2	2084.6	2363.2	1706.7	637.6	192.1	75.6	75.6
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)