

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: P285868

Luminaire Tested: **PRV-XL-C150-D-UNV-T5-BZ-7030**

Issue Date: 2/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P285868  
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-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: 43483 lumens  
Efficiency: N/A  
Efficacy: 152.6 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

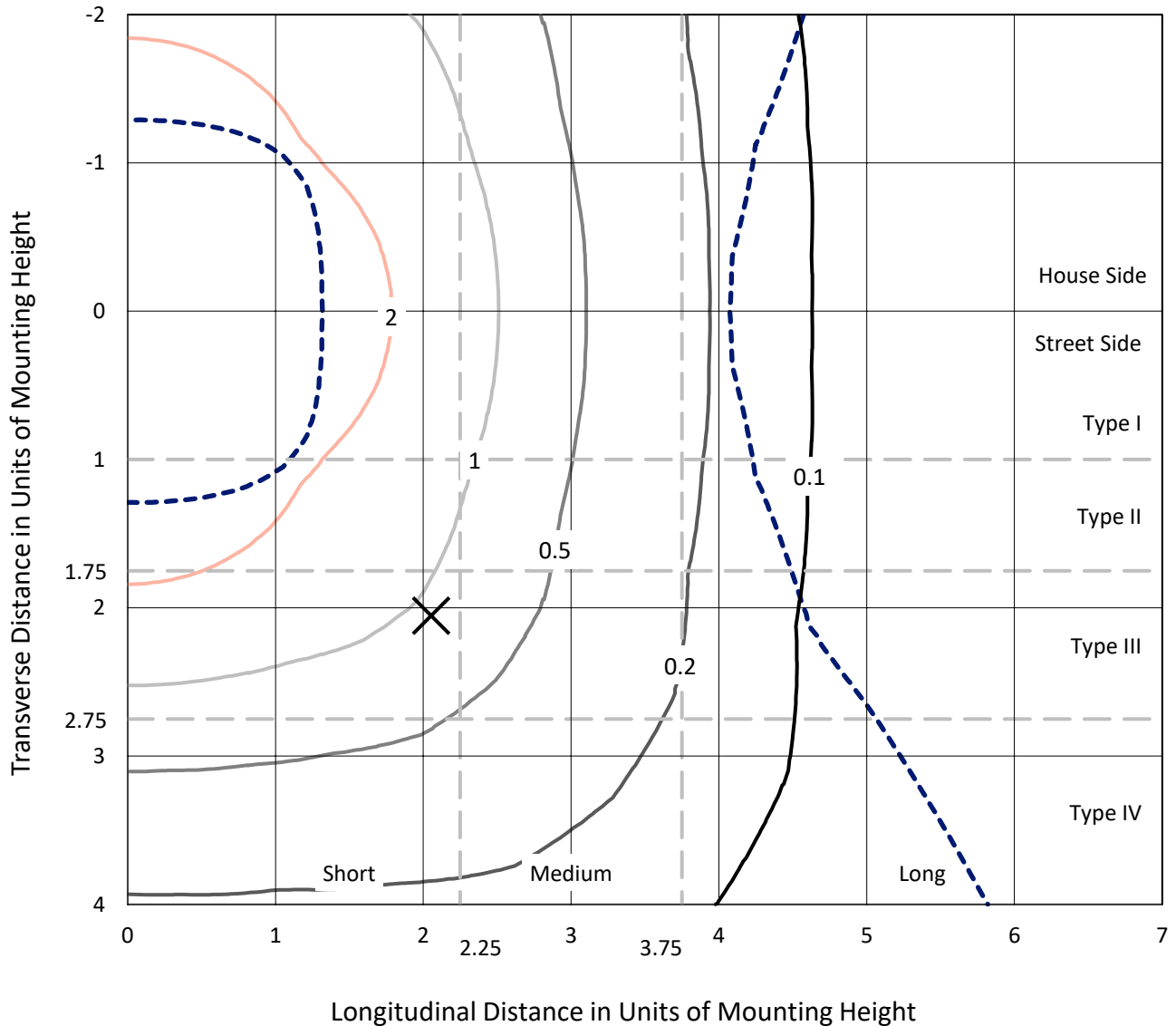
Input Watts (W): 285  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

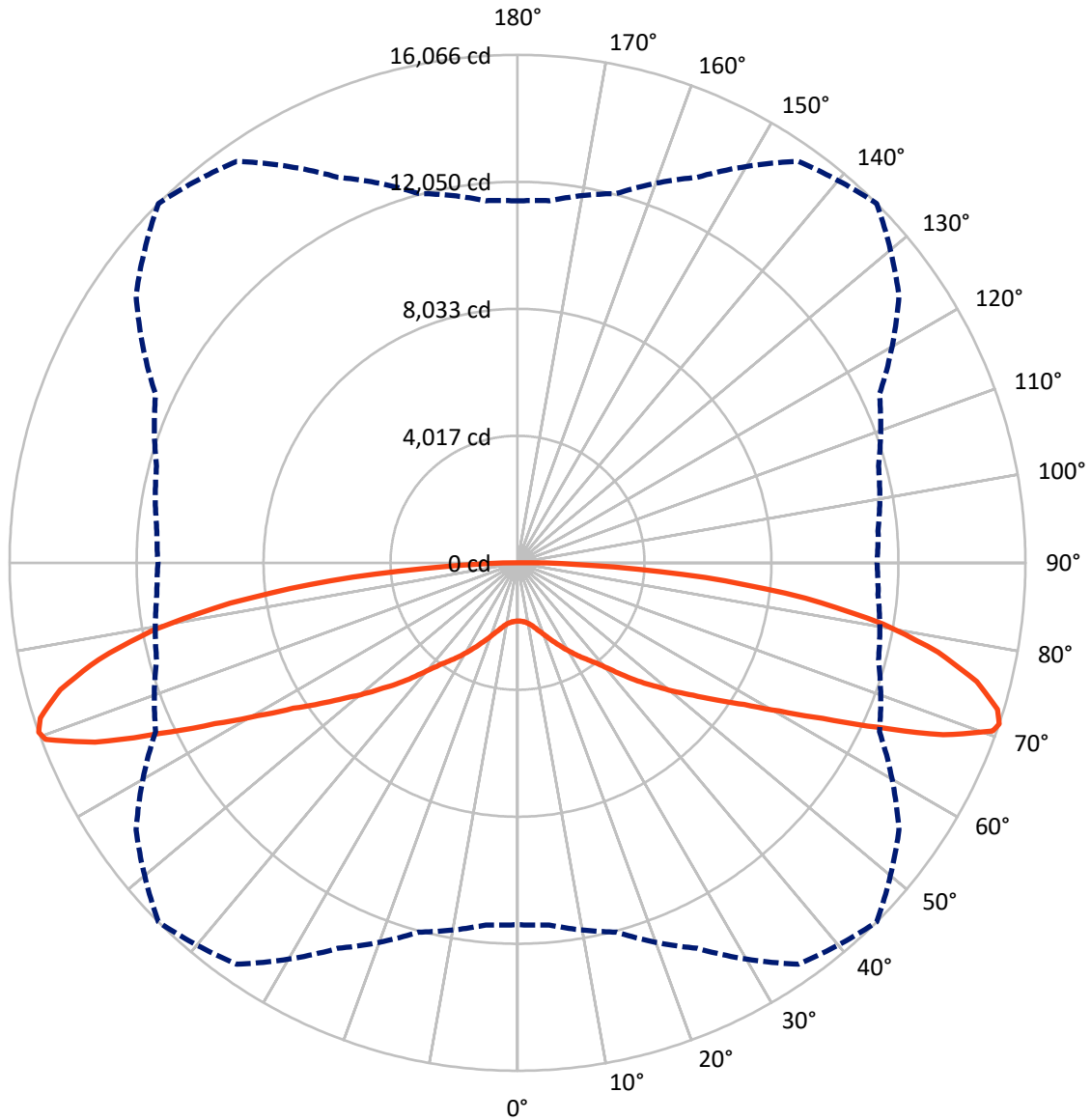
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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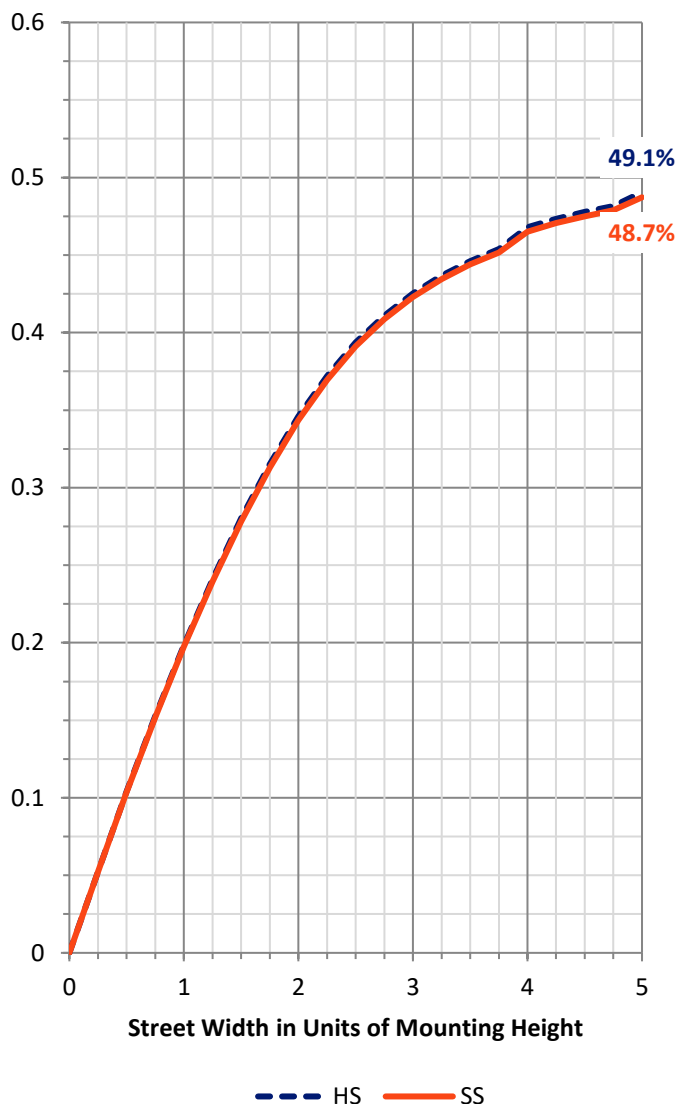
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21741.5	0.0	21741.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21741.5	0.0	21741.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43483.0	0.0	43483.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.4	0.4
10°-20°	608.3	1.4
20°-30°	1279.2	2.9
30°-40°	2356.0	5.4
40°-50°	4325.5	9.9
50°-60°	7539.0	17.3
60°-70°	12182.8	28.0
70°-80°	11739.0	27.0
80°-90°	3272.8	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°	43483.0	100.0
0°-180°	43483.0	100.0

**Coefficient of Utilization**



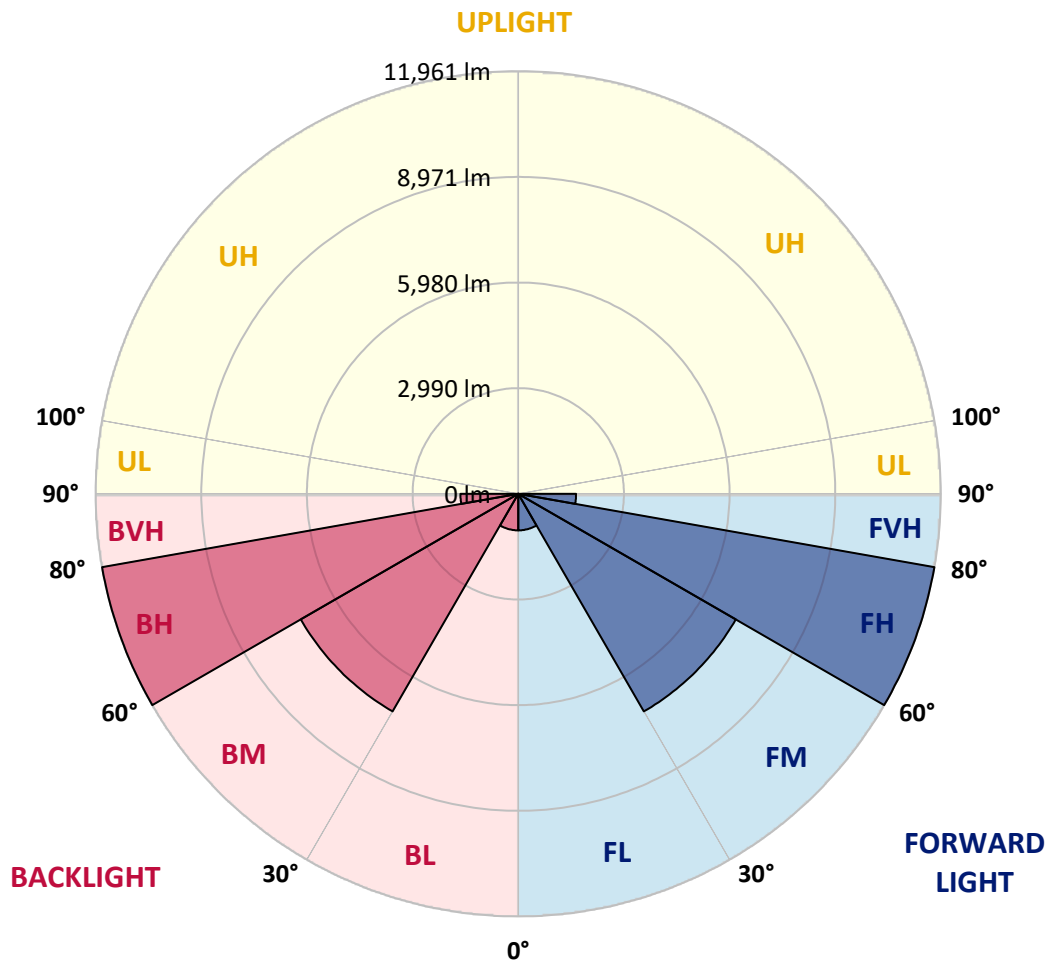
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1034.0	2.4			
FM (30°-60°)	7110.3	16.4			
FH (60°-80°)	11960.9	27.5			G4/12000
FVH (80°-90°)	1636.4	3.8			G5
BL (0°-30°)	1034.0	2.4	B3/2500		
BM (30°-60°)	7110.3	16.4	B4/8500		
BH (60°-80°)	11960.9	27.5	B5		G4/12000
BVH (80°-90°)	1636.4	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°	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6	1839.6
2.5°	1847.3	1856.6	1851.9	1848.8	1850.4	1848.8	1845.8	1842.7	1839.6	1838.0	1838.0
5°	1861.2	1867.4	1865.8	1864.3	1865.8	1868.9	1867.4	1865.8	1861.2	1858.1	1858.1
7.5°	1895.2	1896.8	1898.3	1896.8	1896.8	1901.4	1898.3	1896.8	1887.5	1885.9	1882.9
10°	1947.8	1946.2	1950.9	1952.4	1952.4	1955.5	1946.2	1940.0	1923.0	1921.5	1918.4
12.5°	2009.6	2009.6	2015.8	2023.5	2029.7	2035.9	2018.9	2005.0	1981.8	1972.5	1974.1
15°	2094.6	2093.1	2100.8	2117.8	2134.8	2147.2	2122.5	2099.3	2068.4	2056.0	2059.1
17.5°	2205.9	2204.4	2216.8	2236.9	2264.7	2283.2	2249.2	2215.2	2187.4	2171.9	2171.9
20°	2342.0	2343.5	2352.8	2379.1	2414.6	2437.8	2394.5	2349.7	2329.6	2315.7	2312.6
22.5°	2501.2	2513.6	2508.9	2539.8	2587.8	2614.0	2563.0	2513.6	2495.0	2485.7	2482.6
25°	2689.8	2702.2	2689.8	2720.7	2781.0	2807.3	2754.7	2700.6	2691.3	2685.2	2682.1
27.5°	2900.0	2901.6	2898.5	2915.5	2997.4	3023.7	2954.1	2906.2	2910.8	2907.8	2903.1
30°	3128.8	3127.3	3124.2	3119.5	3223.1	3255.6	3178.3	3139.6	3155.1	3145.8	3145.8
32.5°	3383.9	3379.2	3362.2	3373.1	3434.9	3498.3	3407.1	3383.9	3428.7	3422.5	3428.7
35°	3663.7	3662.1	3629.7	3640.5	3683.8	3741.0	3671.4	3660.6	3728.6	3744.1	3753.3
37.5°	3982.1	3983.7	3938.8	3932.7	3968.2	4009.9	3983.7	4011.5	4112.0	4164.5	4150.6
40°	4394.9	4388.7	4328.4	4278.9	4316.0	4370.1	4398.0	4475.3	4629.8	4708.7	4716.4
42.5°	4952.9	4937.5	4867.9	4772.1	4790.6	4826.2	4909.6	5044.1	5229.6	5303.8	5282.2
45°	5614.5	5586.7	5484.7	5374.9	5316.2	5328.6	5407.4	5574.4	5797.0	5895.9	5912.9
47.5°	6362.7	6330.3	6177.2	5970.1	5827.9	5812.4	5891.3	6115.4	6385.9	6506.5	6500.3
50°	7205.2	7165.0	7002.7	6684.3	6419.9	6375.1	6429.2	6707.5	7024.4	7186.7	7177.4
52.5°	8125.0	8067.8	7890.0	7478.8	7127.9	6953.3	7032.1	7366.0	7689.1	7897.8	7905.5
55°	9061.8	9049.4	8820.6	8406.4	7927.1	7669.0	7723.1	8081.7	8480.6	8692.3	8683.1
57.5°	10006.3	9973.9	9793.0	9358.6	8879.4	8448.1	8506.8	8899.5	9307.6	9530.2	9522.5
60°	10929.2	10884.4	10743.7	10419.1	10015.6	9516.3	9479.2	9854.8	10213.5	10420.6	10402.1
62.5°	11887.6	11886.1	11771.7	11518.2	11303.3	10836.4	10655.6	10916.8	11233.7	11428.5	11417.7
65°	12747.1	12753.3	12768.8	12776.5	12798.1	12550.8	12144.2	12108.7	12343.7	12459.6	12427.1
67.5°	12762.6	12819.8	13090.3	13648.4	14419.7	14518.7	13724.1	12997.5	12728.6	12589.4	12572.4
70°	11915.5	11985.0	12501.3	13637.5	15392.1	15939.3	14613.0	12864.6	12193.7	11839.7	11771.7
71°	11445.5	11496.5	12091.7	13453.6	15497.2	16066.1	14728.9	12631.2	11819.6	11448.6	11371.3
72.5°	10612.3	10658.7	11416.1	12963.5	15350.3	15872.8	14614.5	12182.9	11159.5	10705.0	10616.9
75°	8986.1	9108.2	9847.1	11765.5	14476.9	15005.6	13835.4	10994.1	9715.7	9047.9	8983.0
77.5°	6693.6	6905.3	7801.9	9927.5	12897.1	13598.9	12393.1	9251.9	7769.5	7035.2	6954.8
80°	3779.6	3994.5	5221.9	7526.8	10807.1	11728.4	10292.3	7021.3	5521.8	4589.6	4487.6
82.5°	1399.0	1354.2	2508.9	4739.6	8049.3	9171.6	7533.0	4577.3	3039.2	2107.0	2042.1
85°	309.2	463.8	1106.8	2388.3	5079.7	5956.2	4444.3	2308.0	1177.9	607.5	567.3
87.5°	85.0	151.5	380.3	1001.7	2046.7	2320.3	1675.7	626.1	188.6	74.2	74.2
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)