

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: P285879

Luminaire Tested: **PRV-XL-C175-D-UNV-T5-BZ-7050**

Issue Date: 2/13/2019

Test Information

Test Method: LM-79-08
Report Number: P285879
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-7050
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53299 lumens
Efficiency: N/A
Efficacy: 154.0 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

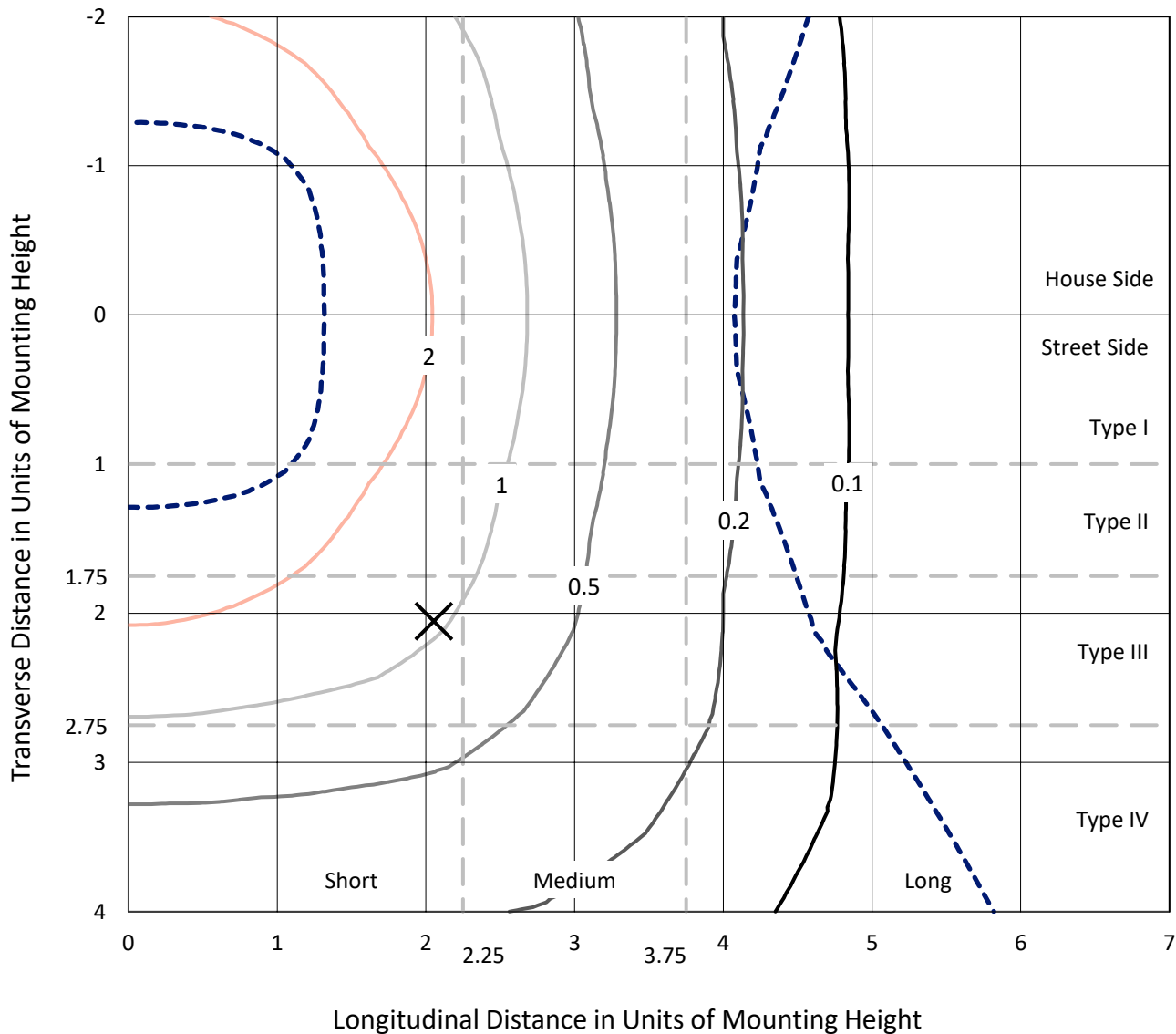
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P285879
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ-7050

Iso-Footcandle Lines of Horizontal Illumination

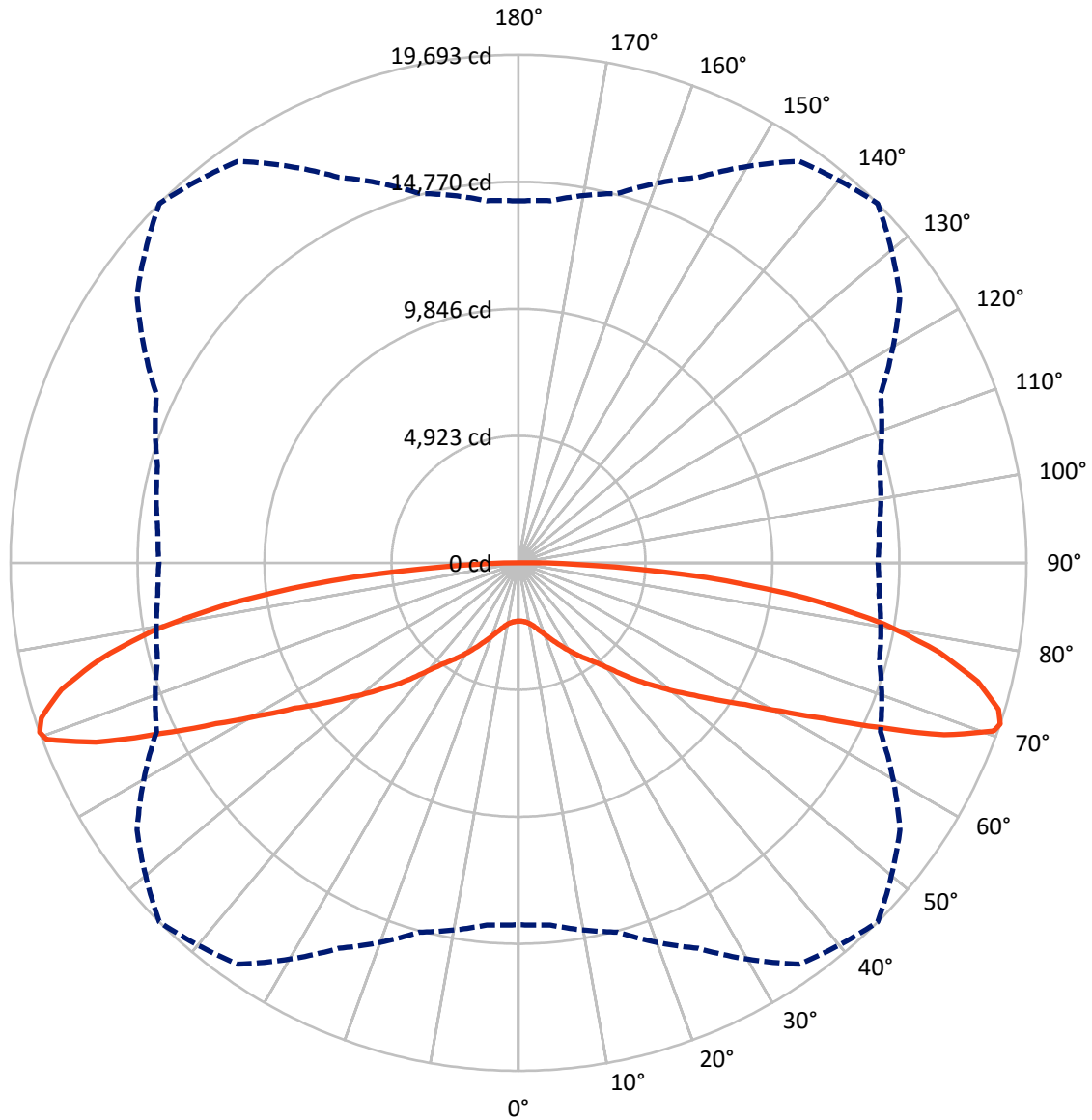
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P285879
CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P285879
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ-7050

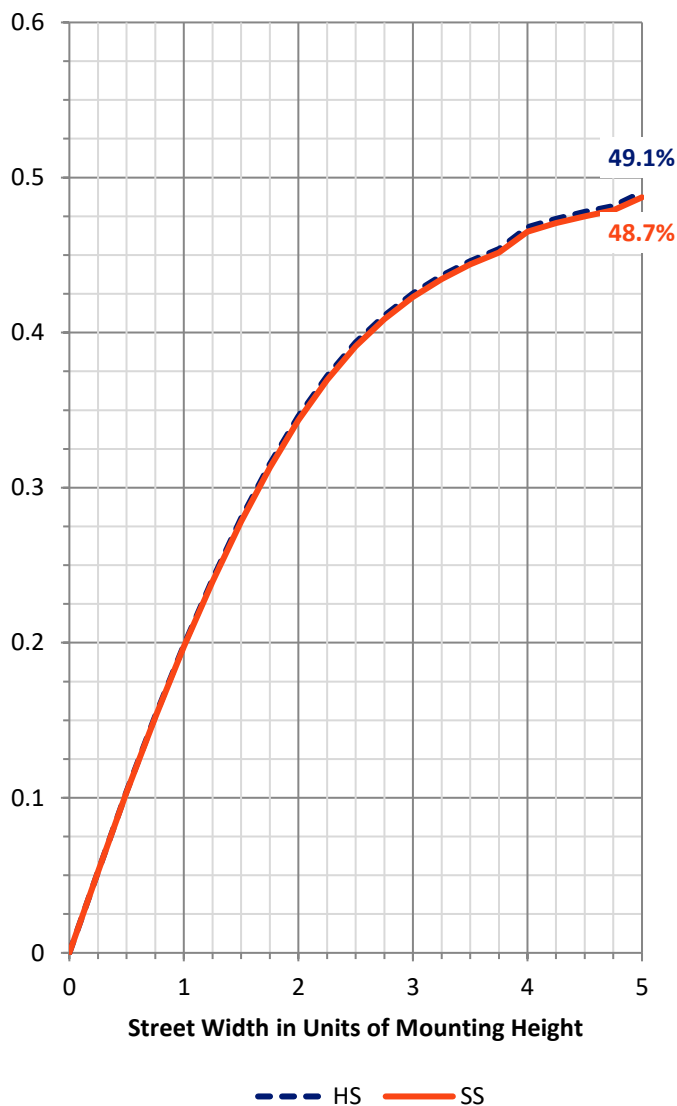
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26649.5	0.0	26649.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26649.5	0.0	26649.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53299.0	0.0	53299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.2	0.4
10°-20°	745.6	1.4
20°-30°	1568.0	2.9
30°-40°	2887.8	5.4
40°-50°	5302.0	9.9
50°-60°	9240.9	17.3
60°-70°	14933.0	28.0
70°-80°	14389.0	27.0
80°-90°	4011.6	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°	53299.0	100.0
0°-180°	53299.0	100.0

Coefficient of Utilization

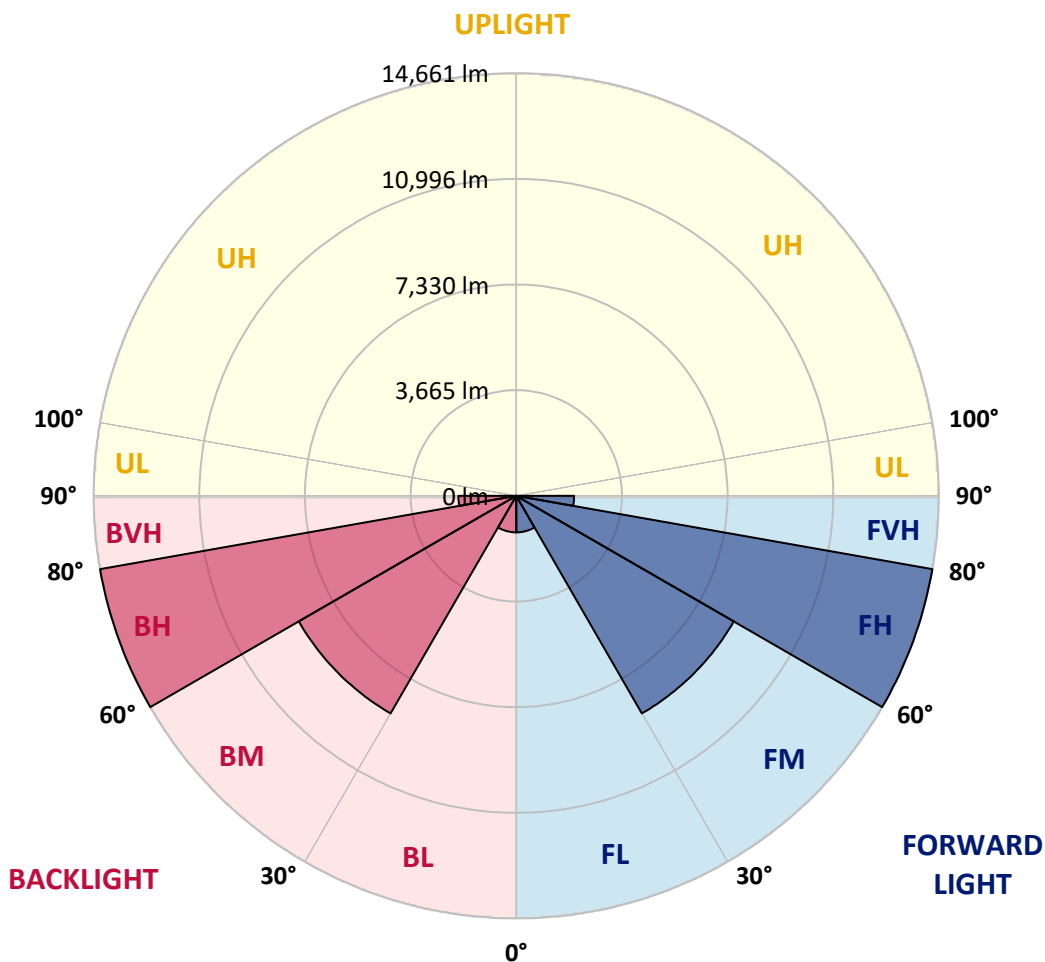


REPORT NUMBER: P285879
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.4	2.4			
FM (30°-60°)	8715.3	16.4			
FH (60°-80°)	14661.0	27.5			G5
FVH (80°-90°)	2005.8	3.8			G5
BL (0°-30°)	1267.4	2.4	B3/2500		
BM (30°-60°)	8715.3	16.4	B5		
BH (60°-80°)	14661.0	27.5	B5		G5
BVH (80°-90°)	2005.8	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





REPORT NUMBER: P285879

CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8
2.5°	2264.3	2275.7	2270.0	2266.2	2268.1	2266.2	2262.4	2258.6	2254.8	2252.9	2252.9
5°	2281.4	2288.9	2287.0	2285.2	2287.0	2290.8	2288.9	2287.0	2281.4	2277.6	2277.6
7.5°	2323.1	2324.9	2326.8	2324.9	2324.9	2330.6	2326.8	2324.9	2313.6	2311.7	2307.9
10°	2387.5	2385.6	2391.3	2393.2	2393.2	2396.9	2385.6	2378.0	2357.2	2355.3	2351.5
12.5°	2463.3	2463.3	2470.8	2480.3	2487.9	2495.5	2474.6	2457.6	2429.2	2417.8	2419.7
15°	2567.5	2565.6	2575.1	2595.9	2616.7	2631.9	2601.6	2573.2	2535.3	2520.1	2523.9
17.5°	2703.9	2702.0	2717.2	2741.8	2775.9	2798.7	2757.0	2715.3	2681.2	2662.2	2662.2
20°	2870.7	2872.5	2883.9	2916.1	2959.7	2988.1	2935.1	2880.1	2855.5	2838.4	2834.7
22.5°	3065.8	3081.0	3075.3	3113.2	3171.9	3204.1	3141.6	3081.0	3058.2	3046.9	3043.1
25°	3297.0	3312.1	3297.0	3334.9	3408.8	3441.0	3376.6	3310.3	3298.9	3291.3	3287.5
27.5°	3554.7	3556.6	3552.8	3573.6	3674.1	3706.3	3621.0	3562.3	3567.9	3564.2	3558.5
30°	3835.1	3833.2	3829.4	3823.8	3950.7	3990.5	3895.8	3848.4	3867.3	3856.0	3856.0
32.5°	4147.8	4142.1	4121.2	4134.5	4210.3	4288.0	4176.2	4147.8	4202.7	4195.1	4202.7
35°	4490.7	4488.8	4449.0	4462.3	4515.4	4585.5	4500.2	4486.9	4570.3	4589.3	4600.6
37.5°	4881.1	4883.0	4828.0	4820.4	4864.0	4915.2	4883.0	4917.1	5040.2	5104.6	5087.6
40°	5387.0	5379.4	5305.5	5244.9	5290.3	5356.7	5390.8	5485.5	5675.0	5771.6	5781.1
42.5°	6071.0	6052.1	5966.8	5849.3	5872.1	5915.6	6018.0	6182.8	6410.2	6501.1	6474.6
45°	6882.0	6847.9	6722.8	6588.3	6516.3	6531.5	6628.1	6832.7	7105.6	7226.8	7247.7
47.5°	7799.1	7759.3	7571.7	7317.8	7143.5	7124.5	7221.2	7495.9	7827.5	7975.3	7967.7
50°	8831.8	8782.5	8583.5	8193.2	7869.2	7814.2	7880.6	8221.6	8610.1	8809.0	8797.7
52.5°	9959.2	9889.1	9671.2	9167.1	8737.0	8522.9	8619.5	9028.8	9424.8	9680.6	9690.1
55°	11107.4	11092.3	10811.9	10304.0	9716.6	9400.2	9466.5	9906.1	10395.0	10654.6	10643.2
57.5°	12265.2	12225.4	12003.7	11471.3	10883.9	10355.2	10427.2	10908.5	11408.7	11681.6	11672.1
60°	13396.4	13341.4	13169.0	12771.1	12276.5	11664.5	11619.0	12079.5	12519.1	12773.0	12750.3
62.5°	14571.2	14569.3	14429.1	14118.3	13854.9	13282.7	13061.0	13381.2	13769.7	14008.4	13995.2
65°	15624.7	15632.3	15651.2	15660.7	15687.2	15384.1	14885.7	14842.1	15130.2	15272.3	15232.5
67.5°	15643.6	15713.8	16045.3	16729.4	17674.9	17796.2	16822.2	15931.7	15602.0	15431.4	15410.6
70°	14605.3	14690.6	15323.4	16716.1	18866.7	19537.5	17911.7	15768.7	14946.4	14512.4	14429.1
71°	14029.3	14091.8	14821.3	16490.6	18995.6	19692.9	18053.9	15482.6	14487.8	14033.0	13938.3
72.5°	13008.0	13064.8	13993.3	15890.0	18815.6	19456.0	17913.6	14933.1	13678.7	13121.6	13013.6
75°	11014.6	11164.3	12070.0	14421.5	17745.0	18393.0	16958.7	13476.0	11909.0	11090.4	11010.8
77.5°	8204.6	8464.2	9563.2	12168.5	15808.5	16668.7	15190.8	11340.5	9523.4	8623.3	8524.8
80°	4632.8	4896.2	6400.7	9225.9	13246.7	14376.0	12615.7	8606.3	6768.3	5625.7	5500.7
82.5°	1714.8	1659.9	3075.3	5809.5	9866.3	11242.0	9233.5	5610.6	3725.2	2582.6	2503.1
85°	379.0	568.4	1356.7	2927.5	6226.4	7300.7	5447.6	2829.0	1443.9	744.7	695.4
87.5°	104.2	185.7	466.1	1227.8	2508.7	2844.1	2054.0	767.4	231.2	91.0	91.0
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)