

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: P622601

Luminaire Tested: **PRV-M-PA6A-740-U-5WQ**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-M-PA6A-740-U-5WQ  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42947 lumens  
Efficiency: N/A  
Efficacy: 156.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B5 - U0 - G5

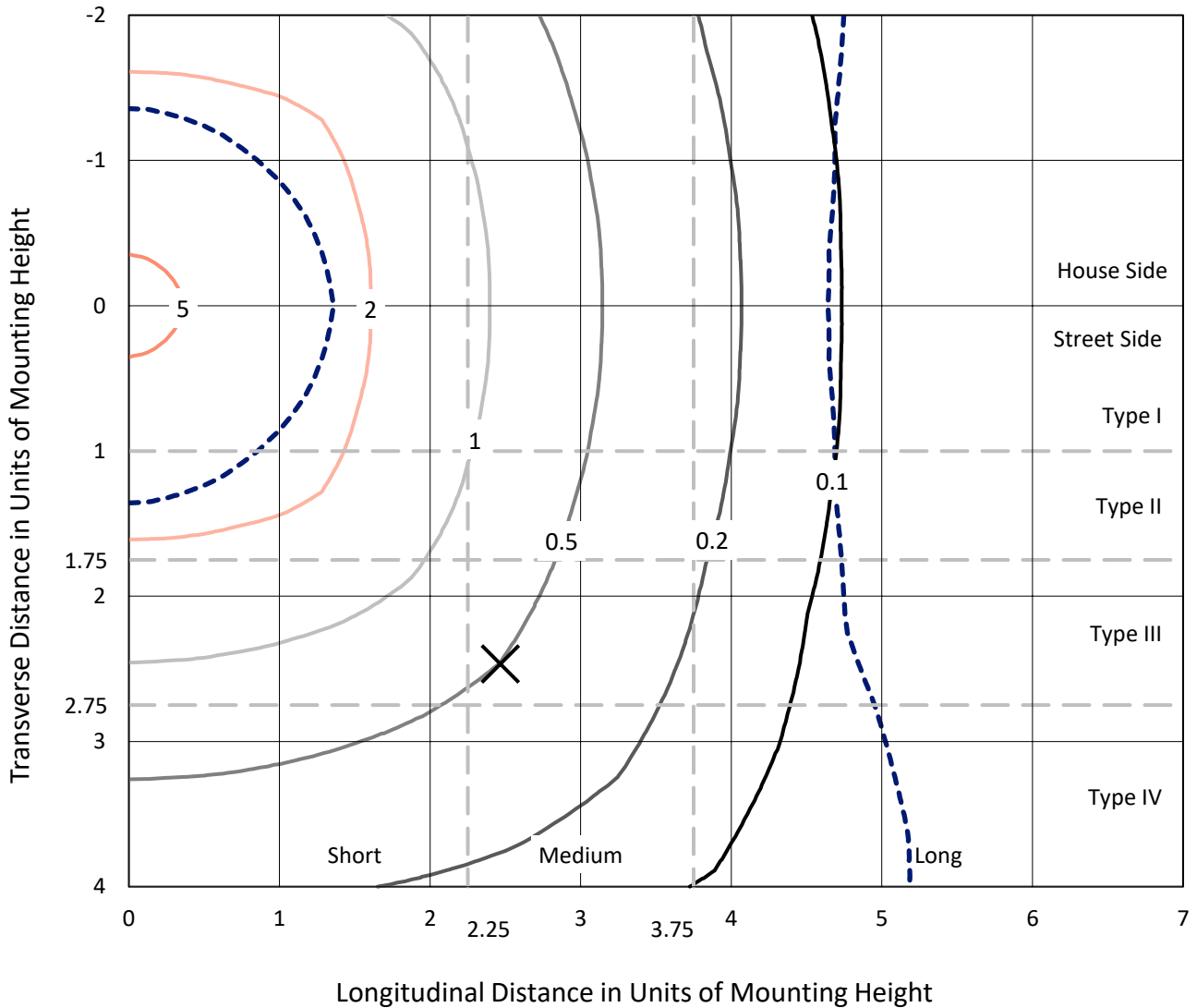
Input Watts (W): 273.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

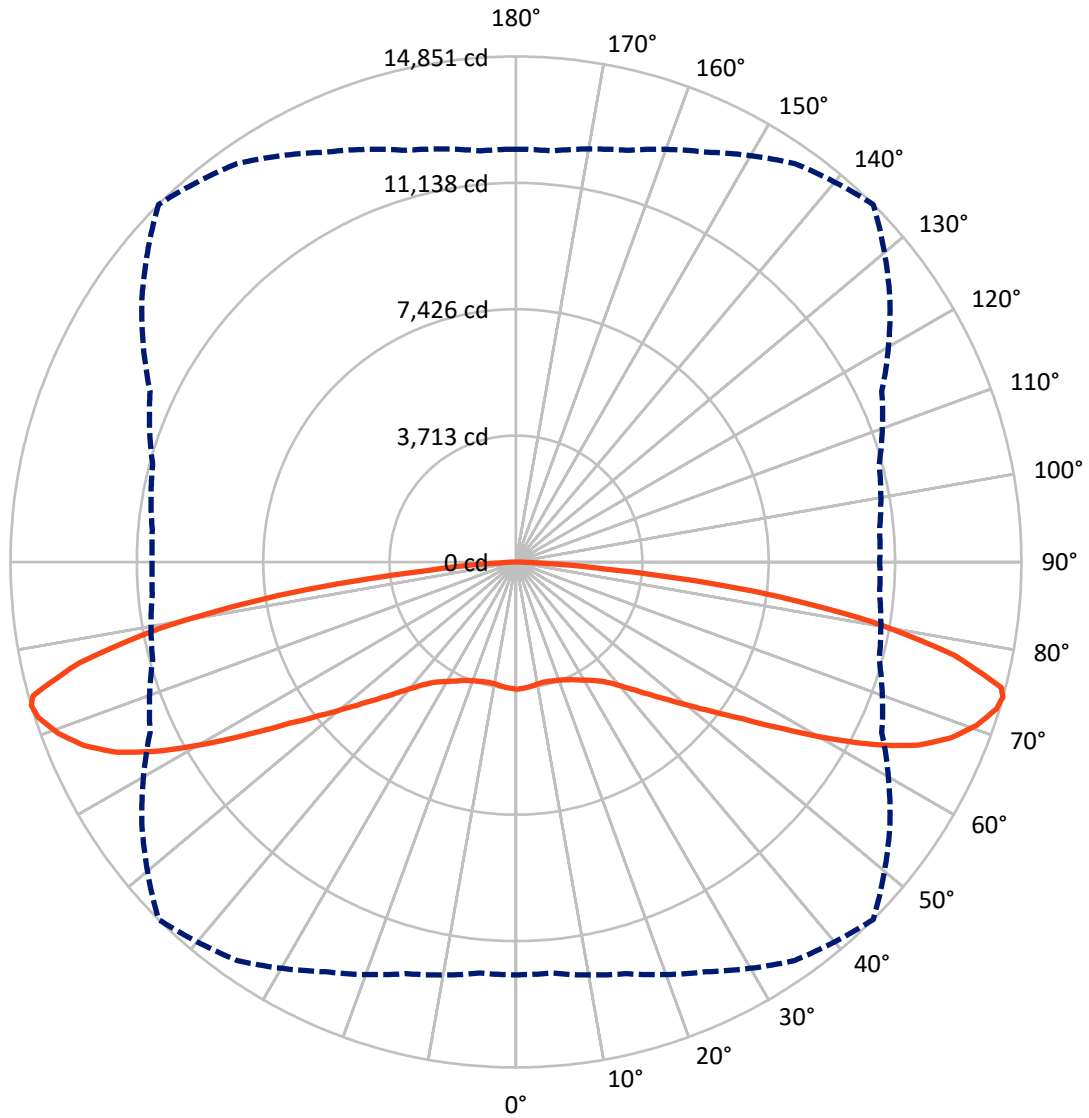
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Medium - N/A

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CATALOG NUMBER: PRV-M-PA6A-740-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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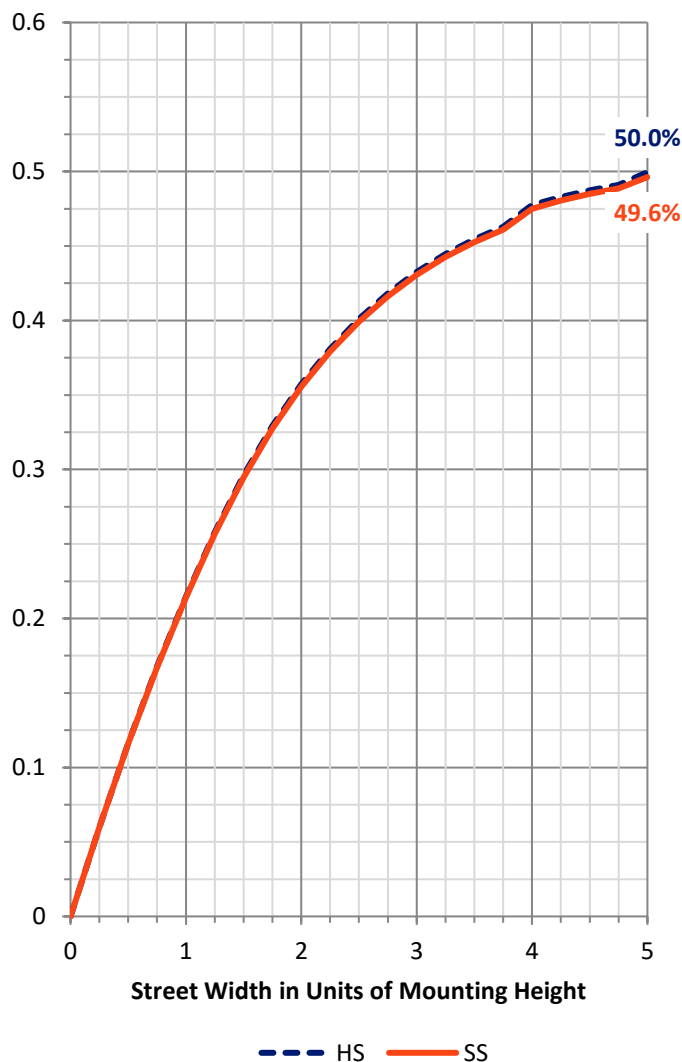
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21473.5	0.0	21473.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21473.5	0.0	21473.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42947.0	0.0	42947.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.5	0.8
10°-20°	1042.5	2.4
20°-30°	1790.7	4.2
30°-40°	2755.3	6.4
40°-50°	4416.5	10.3
50°-60°	7211.3	16.8
60°-70°	11244.6	26.2
70°-80°	11994.1	27.9
80°-90°	2140.4	5.0
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°	42947.0	100.0
0°-180°	42947.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P622601

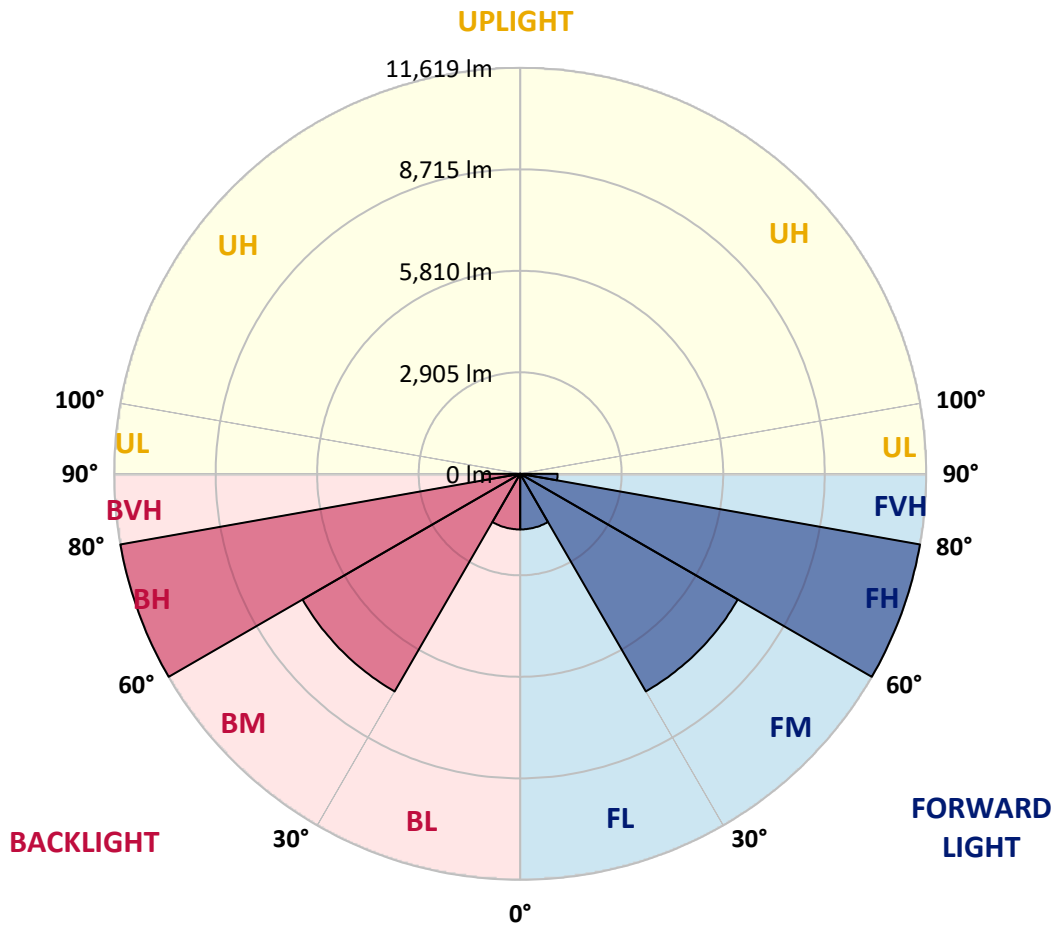
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1592.4	3.7			
FM (30°-60°)	7191.6	16.7			
FH (60°-80°)	11619.3	27.1			G4/12000
FVH (80°-90°)	1070.2	2.5			G5
BL (0°-30°)	1592.4	3.7	B3/2500		
BM (30°-60°)	7191.6	16.7	B4/8500		
BH (60°-80°)	11619.3	27.1	B5		G4/12000
BVH (80°-90°)	1070.2	2.5			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3737	3737	3737	3737	3737	3737	3737	3737	3737	3737	3737
2.5°	3733	3739	3734	3725	3721	3718	3720	3726	3733	3736	3733
5°	3695	3700	3698	3693	3695	3696	3700	3708	3714	3716	3716
7.5°	3651	3656	3657	3655	3663	3666	3672	3680	3687	3692	3693
10°	3641	3641	3638	3632	3634	3636	3644	3658	3672	3679	3683
12.5°	3658	3658	3648	3633	3625	3624	3632	3652	3676	3691	3691
15°	3688	3685	3671	3652	3641	3636	3642	3662	3692	3712	3714
17.5°	3714	3714	3700	3680	3668	3666	3667	3683	3714	3738	3743
20°	3743	3744	3731	3713	3705	3704	3707	3716	3744	3770	3775
22.5°	3793	3792	3777	3758	3755	3757	3759	3766	3794	3822	3820
25°	3862	3866	3847	3829	3828	3830	3832	3841	3869	3897	3895
27.5°	3946	3951	3930	3916	3920	3927	3924	3928	3948	3977	3971
30°	4044	4038	4026	4022	4029	4029	4025	4024	4037	4064	4057
32.5°	4167	4164	4149	4146	4151	4146	4144	4149	4165	4192	4188
35°	4351	4344	4325	4311	4310	4298	4303	4322	4352	4375	4375
37.5°	4568	4581	4561	4535	4518	4511	4519	4551	4599	4622	4622
40°	4885	4889	4861	4830	4811	4799	4808	4845	4908	4938	4924
42.5°	5251	5251	5225	5185	5155	5152	5160	5203	5271	5302	5283
45°	5703	5672	5648	5603	5572	5573	5582	5624	5684	5728	5707
47.5°	6171	6147	6126	6076	6058	6060	6067	6111	6160	6215	6196
50°	6661	6653	6655	6621	6633	6641	6638	6664	6703	6730	6695
52.5°	7173	7167	7227	7239	7302	7326	7297	7276	7269	7225	7175
55°	7716	7714	7840	7935	8100	8156	8084	7960	7862	7754	7704
57.5°	8335	8347	8507	8724	9067	9235	9033	8732	8522	8351	8299
60°	9002	9001	9241	9591	10176	10503	10099	9561	9224	8984	8913
62.5°	9636	9639	9930	10448	11322	11819	11136	10324	9883	9587	9526
65°	10453	10450	10710	11270	12349	12986	12102	11123	10590	10268	10188
67.5°	11544	11512	11753	12259	13199	13791	12946	11925	11349	11046	10986
70°	12403	12417	12737	13247	13926	14360	13526	12577	11975	11622	11557
72.5°	12509	12504	12885	13572	14356	14761	13710	12453	11646	11255	11207
74°	12128	12123	12521	13282	14289	14851	13416	11861	11050	10725	10688
75°	11683	11584	12060	12887	14038	14726	12976	11361	10633	10311	10269
77.5°	8662	8494	9360	10913	12531	13166	11438	9635	8648	8027	7938
80°	4294	4164	5062	7052	9251	10590	8886	6400	5038	4207	4101
82.5°	1038	1054	1588	2896	5036	7039	5215	2774	1836	1315	1191
85°	252	255	463	713	1660	2648	1704	813	647	487	475
87.5°	72	77	155	187	289	391	380	369	377	271	227
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)