

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: P622763

Luminaire Tested: **PRV-M-PA6C-740-U-5WQ**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622763  
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-PA6C-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**

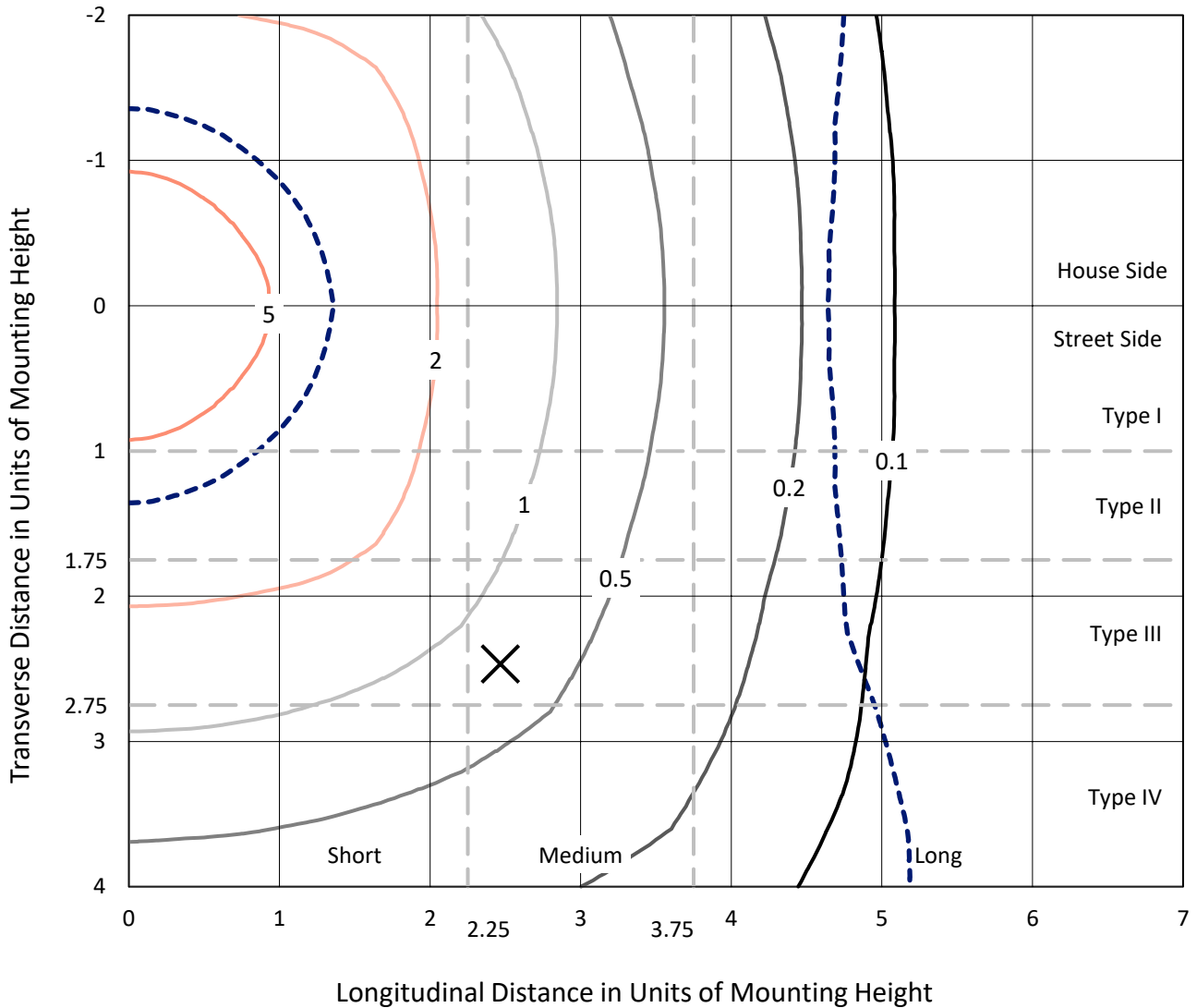
Lumens per Lamp: N/A  
Luminaire Lumens: 63909 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 457.2  
Input Voltage (V): NR  
Input Current (Ain): 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

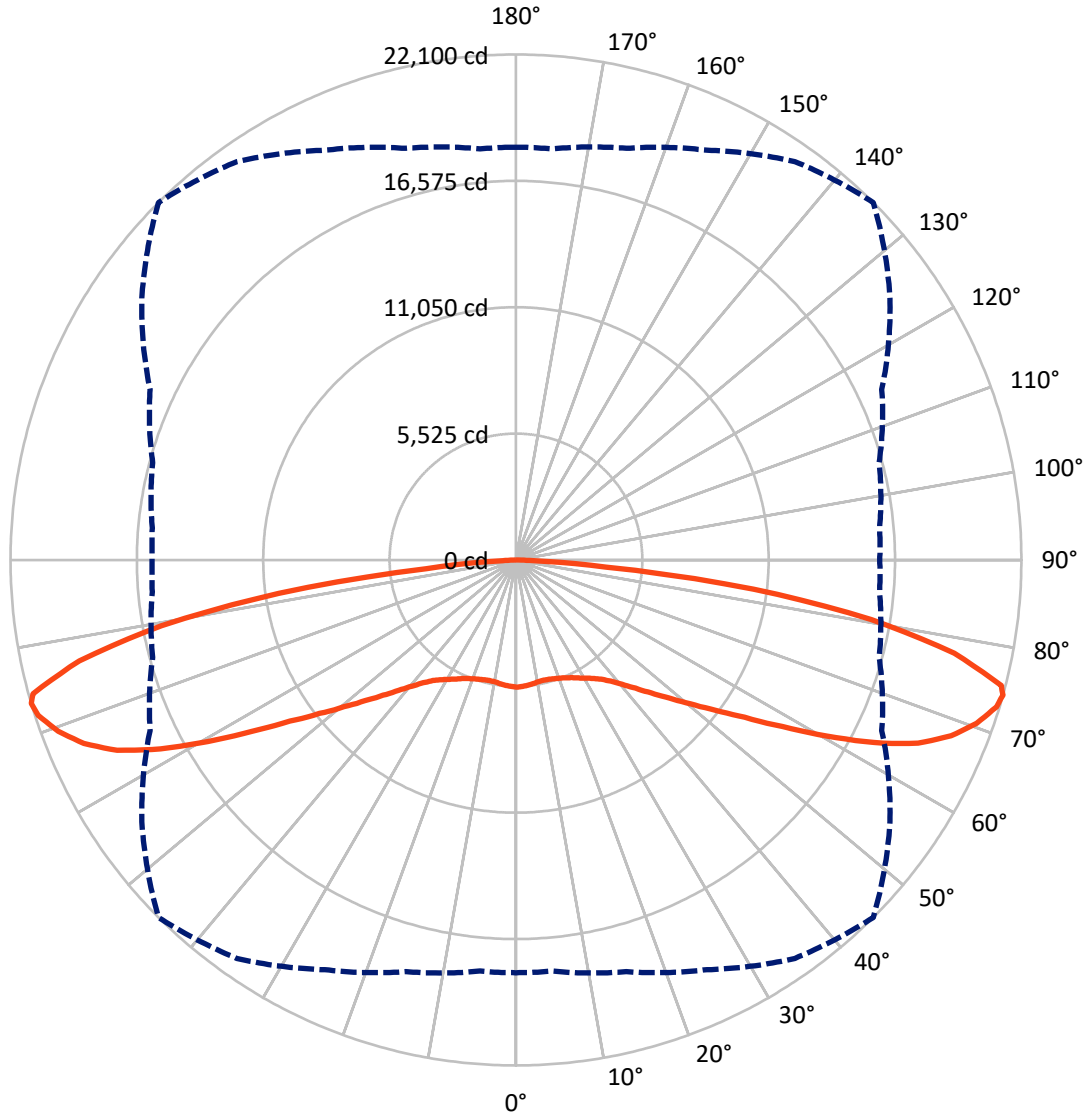
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type V - Medium - N/A

REPORT NUMBER: P622763  
CATALOG NUMBER: PRV-M-PA6C-740-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P622763

CATALOG NUMBER: PRV-M-PA6C-740-U-5WQ

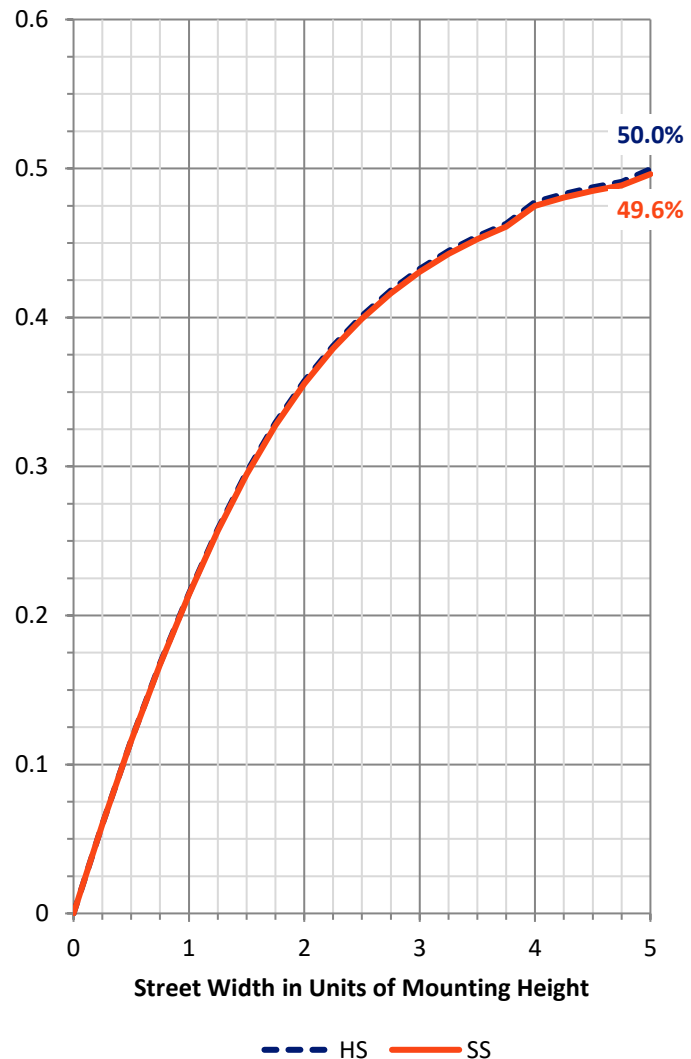
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	31954.5	0.0	31954.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	31954.5	0.0	31954.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	63909.0	0.0	63909.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	523.1	0.8
10°-20°	1551.4	2.4
20°-30°	2664.8	4.2
30°-40°	4100.2	6.4
40°-50°	6572.2	10.3
50°-60°	10731.1	16.8
60°-70°	16733.0	26.2
70°-80°	17848.3	27.9
80°-90°	3185.1	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°	63909.0	100.0
0°-180°	63909.0	100.0



REPORT NUMBER: P622763

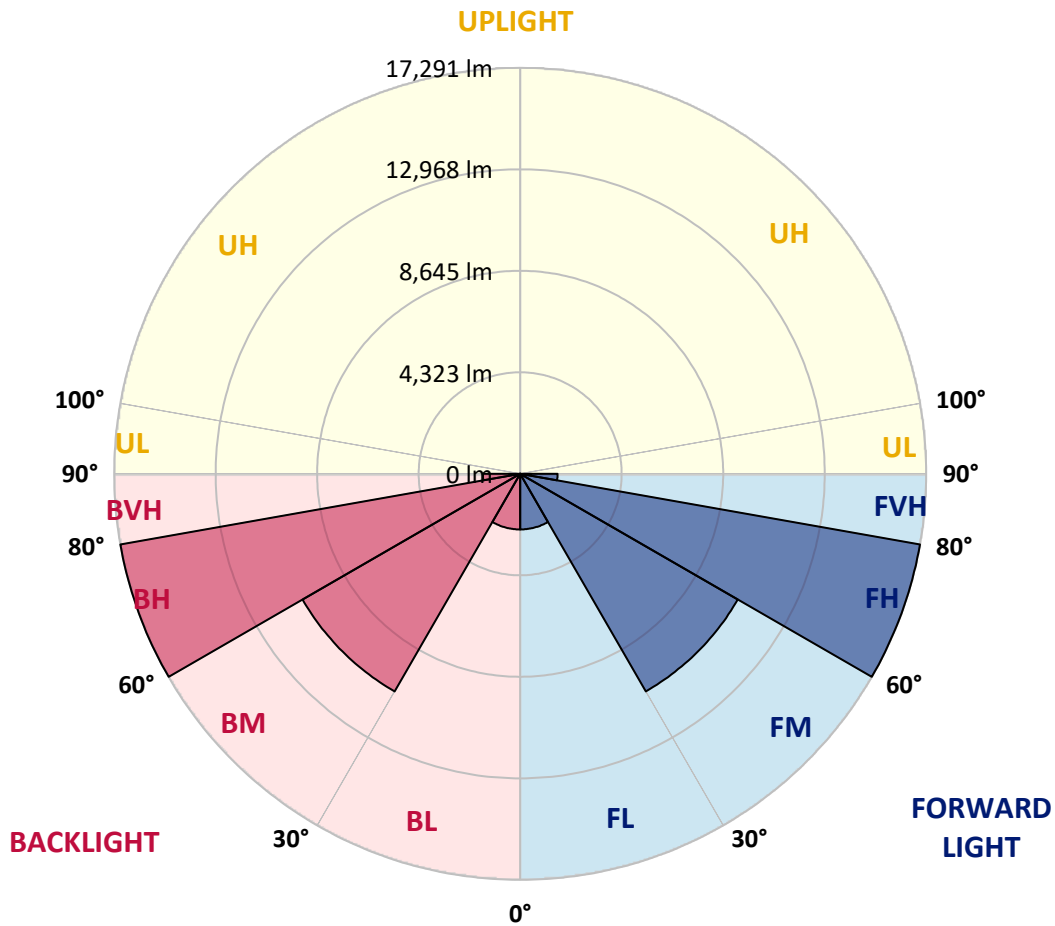
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2369.6	3.7			
FM (30°-60°)	10701.7	16.7			
FH (60°-80°)	17290.6	27.1			G5
FVH (80°-90°)	1592.5	2.5			G5
BL (0°-30°)	2369.6	3.7	B3/2500		
BM (30°-60°)	10701.7	16.7	B5		
BH (60°-80°)	17290.6	27.1	B5		G5
BVH (80°-90°)	1592.5	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°	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0	5561.0
2.5°	5555.0	5564.0	5556.5	5543.1	5537.2	5532.7	5535.7	5544.6	5555.0	5559.5	5555.0
5°	5498.5	5505.9	5503.0	5495.5	5498.5	5500.0	5505.9	5517.8	5526.8	5529.7	5529.7
7.5°	5433.0	5440.5	5441.9	5439.0	5450.9	5455.3	5464.3	5476.2	5486.6	5494.0	5495.5
10°	5418.1	5418.1	5413.7	5404.7	5407.7	5410.7	5422.6	5443.4	5464.3	5474.7	5480.6
12.5°	5443.4	5443.4	5428.5	5406.2	5394.3	5392.8	5404.7	5434.5	5470.2	5492.5	5492.5
15°	5488.1	5483.6	5462.8	5434.5	5418.1	5410.7	5419.6	5449.4	5494.0	5523.8	5526.8
17.5°	5526.8	5526.8	5505.9	5476.2	5458.3	5455.3	5456.8	5480.6	5526.8	5562.5	5569.9
20°	5569.9	5571.4	5552.1	5525.3	5513.4	5511.9	5516.3	5529.7	5571.4	5610.1	5617.5
22.5°	5644.3	5642.8	5620.5	5592.2	5587.8	5590.7	5593.7	5604.1	5645.8	5687.5	5684.5
25°	5747.0	5752.9	5724.7	5697.9	5696.4	5699.4	5702.4	5715.7	5757.4	5799.1	5796.1
27.5°	5872.0	5879.4	5848.2	5827.4	5833.3	5843.7	5839.3	5845.2	5875.0	5918.1	5909.2
30°	6017.8	6008.9	5991.0	5985.1	5995.5	5995.5	5989.6	5988.1	6007.4	6047.6	6037.2
32.5°	6200.9	6196.4	6174.1	6169.6	6177.1	6169.6	6166.6	6174.1	6197.9	6238.1	6232.1
35°	6474.7	6464.3	6436.0	6415.1	6413.7	6395.8	6403.2	6431.5	6476.2	6510.4	6510.4
37.5°	6797.6	6816.9	6787.2	6748.5	6723.2	6712.8	6724.7	6772.3	6843.7	6877.9	6877.9
40°	7269.3	7275.3	7233.6	7187.5	7159.2	7141.3	7154.7	7209.8	7303.5	7348.2	7327.3
42.5°	7814.0	7814.0	7775.3	7715.7	7671.1	7666.6	7678.5	7742.5	7843.7	7889.8	7861.6
45°	8486.6	8440.4	8404.7	8337.8	8291.6	8293.1	8306.5	8369.0	8458.3	8523.8	8492.5
47.5°	9183.0	9147.3	9116.0	9041.6	9014.8	9017.8	9028.2	9093.7	9166.6	9248.5	9220.2
50°	9912.2	9900.3	9903.2	9852.6	9870.5	9882.4	9877.9	9916.6	9974.7	10014.8	9962.8
52.5°	10674.1	10665.1	10754.4	10772.3	10866.0	10901.7	10858.6	10827.3	10816.9	10751.4	10677.0
55°	11482.1	11479.1	11666.6	11808.0	12053.5	12136.8	12029.7	11845.2	11699.4	11538.6	11464.2
57.5°	12403.2	12421.1	12659.2	12982.1	13492.5	13742.5	13441.9	12994.0	12681.5	12427.0	12349.6
60°	13395.8	13394.3	13751.4	14272.3	15142.8	15629.4	15028.2	14227.6	13726.1	13369.0	13263.3
62.5°	14339.2	14343.7	14776.7	15547.5	16848.1	17587.7	16571.4	15363.0	14706.8	14266.3	14175.5
65°	15555.0	15550.5	15937.4	16770.8	18376.4	19324.3	18008.8	16552.0	15758.9	15279.7	15160.6
67.5°	17178.5	17130.9	17489.5	18242.5	19641.3	20522.2	19264.8	17745.5	16888.3	16437.4	16348.1
70°	18456.8	18477.6	18953.8	19712.7	20723.1	21368.9	20127.9	18715.7	17819.9	17294.6	17197.8
72.5°	18614.5	18607.1	19174.0	20196.3	21363.0	21965.7	20401.7	18531.2	17330.3	16748.4	16677.0
74°	18047.5	18040.1	18632.4	19764.8	21263.3	22099.6	19964.2	17650.2	16443.4	15959.7	15904.7
75°	17385.3	17238.0	17946.3	19177.0	20889.8	21913.6	19309.4	16906.2	15822.8	15343.7	15281.2
77.5°	12889.8	12639.8	13928.5	16239.5	18647.2	19592.2	17020.8	14337.7	12869.0	11944.9	11812.4
80°	6389.9	6196.4	7532.7	10494.0	13766.3	15758.9	13223.2	9523.8	7497.0	6260.4	6102.7
82.5°	1544.6	1568.4	2363.1	4309.5	7494.0	10474.7	7760.4	4128.0	2732.1	1956.8	1772.3
85°	375.0	379.5	689.0	1061.0	2470.2	3940.5	2535.7	1209.8	962.8	724.7	706.8
87.5°	107.1	114.6	230.7	278.3	430.1	581.8	565.5	549.1	561.0	403.3	337.8
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)