

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: P622563

Luminaire Tested: **PRV-M-C275-D-U-T5-BZ-7050**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-M-C275-D-U-T5-BZ-7050
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 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: 85882 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

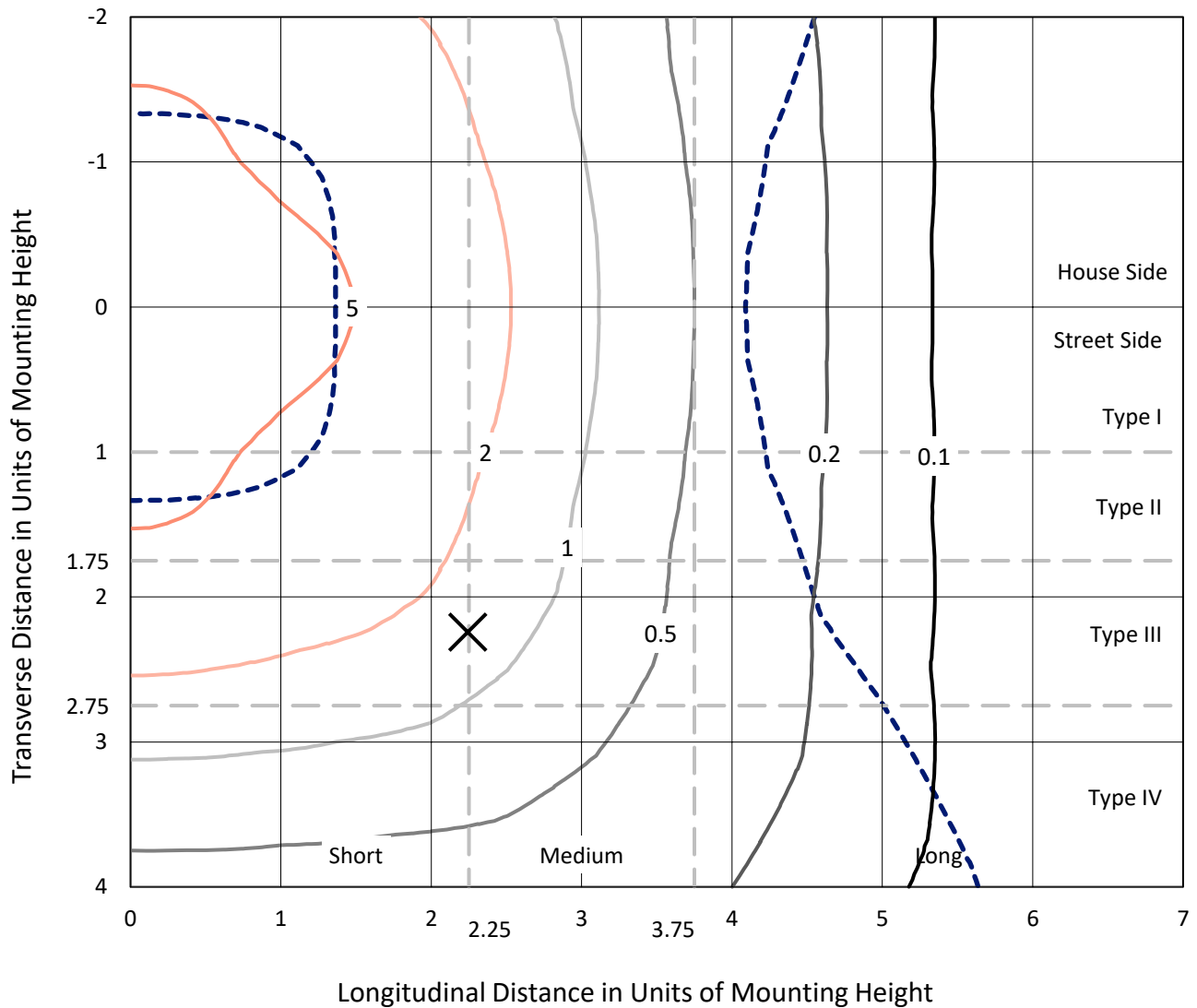
Input Watts (W): 587.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

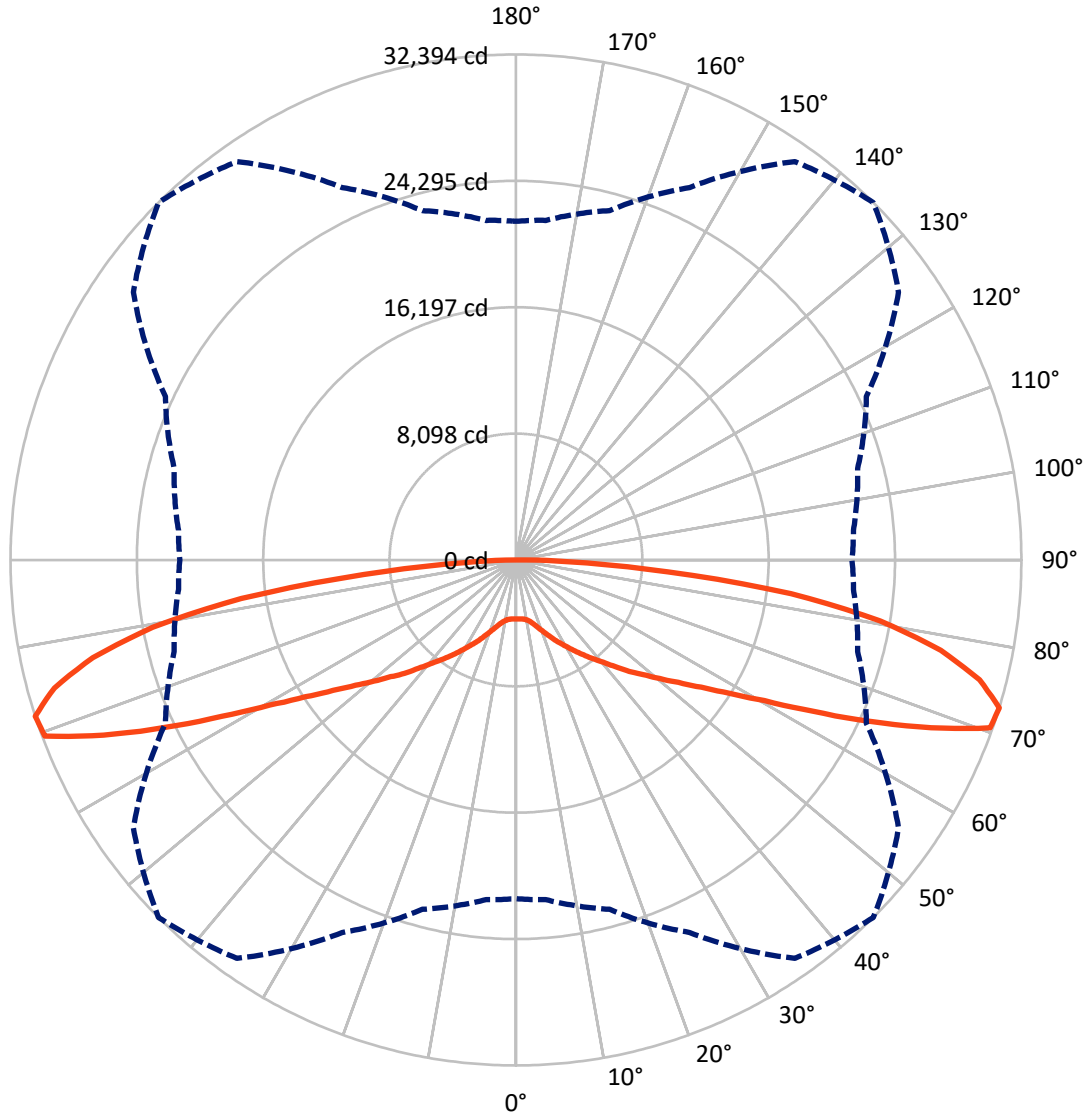
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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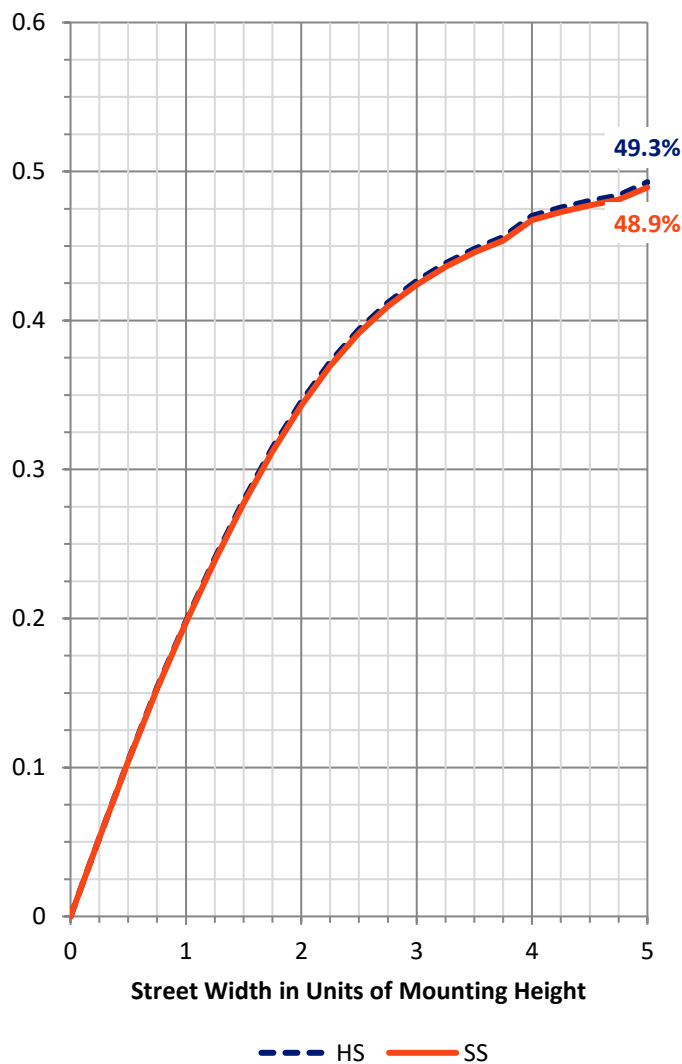
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42941.0	0.0	42941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	42941.0	0.0	42941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	85882.0	0.0	85882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.9	0.4
10°-20°	1223.9	1.4
20°-30°	2574.6	3.0
30°-40°	4743.9	5.5
40°-50°	8269.0	9.6
50°-60°	14531.3	16.9
60°-70°	24310.2	28.3
70°-80°	23757.4	27.7
80°-90°	6103.9	7.1
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°	85882.0	100.0
0°-180°	85882.0	100.0

Coefficient of Utilization

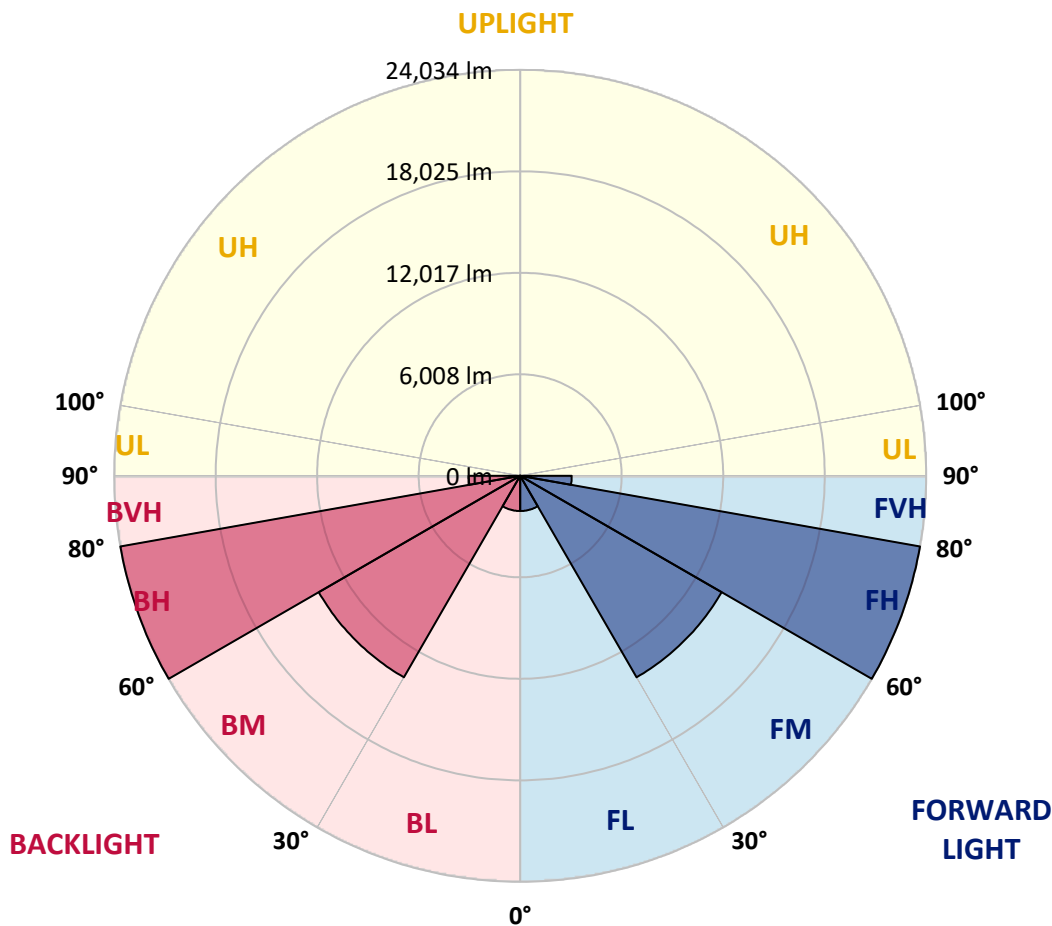


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.2	2.4			
FM (30°-60°)	13772.1	16.0			
FH (60°-80°)	24033.8	28.0			G5
FVH (80°-90°)	3052.0	3.6			G5
BL (0°-30°)	2083.2	2.4	B3/2500		
BM (30°-60°)	13772.1	16.0	B5		
BH (60°-80°)	24033.8	28.0	B5		G5
BVH (80°-90°)	3052.0	3.6			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°	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5	3789.5
2.5°	3800.7	3802.3	3803.9	3791.1	3786.3	3775.0	3778.3	3795.9	3807.1	3815.2	3813.6
5°	3816.8	3820.0	3823.2	3813.6	3805.5	3794.3	3802.3	3820.0	3834.4	3842.4	3840.8
7.5°	3861.7	3861.7	3866.5	3855.3	3848.8	3834.4	3840.8	3860.1	3876.1	3887.4	3884.1
10°	3930.7	3938.7	3946.7	3930.7	3929.1	3913.0	3917.8	3935.5	3940.3	3948.3	3948.3
12.5°	4038.2	4043.0	4055.8	4057.4	4068.6	4051.0	4051.0	4052.6	4046.2	4036.6	4035.0
15°	4201.8	4206.6	4229.1	4245.1	4266.0	4262.8	4246.7	4235.5	4201.8	4190.6	4193.8
17.5°	4408.8	4423.2	4445.7	4476.2	4527.5	4533.9	4500.2	4468.1	4436.0	4418.4	4399.1
20°	4700.8	4707.2	4737.7	4769.8	4838.7	4848.4	4806.7	4748.9	4715.2	4715.2	4713.6
22.5°	5028.1	5026.4	5052.1	5101.9	5180.5	5212.6	5151.6	5092.2	5066.6	5065.0	5061.7
25°	5406.7	5417.9	5413.1	5459.6	5557.5	5620.1	5527.0	5469.2	5456.4	5454.8	5466.0
27.5°	5839.9	5855.9	5844.7	5844.7	5945.7	6032.4	5934.5	5888.0	5888.0	5900.8	5904.0
30°	6314.7	6319.6	6305.1	6305.1	6382.1	6465.6	6358.1	6367.7	6385.3	6430.3	6414.2
32.5°	6841.0	6834.6	6813.7	6812.1	6879.5	6961.3	6863.4	6884.3	6942.0	6995.0	6958.1
35°	7426.6	7412.1	7384.9	7368.8	7436.2	7471.5	7437.8	7485.9	7562.9	7635.1	7633.5
37.5°	8026.6	8049.1	7999.3	7981.7	7989.7	8026.6	8028.2	8119.6	8259.2	8352.3	8344.3
40°	8756.6	8740.5	8692.4	8599.3	8602.6	8612.2	8727.7	8864.1	9069.4	9143.2	9201.0
42.5°	9614.9	9629.3	9457.7	9371.0	9306.9	9335.7	9459.3	9695.1	9948.6	10056.1	10117.1
45°	10685.0	10733.1	10559.9	10367.3	10192.5	10187.7	10327.2	10593.6	10872.7	11095.7	11140.6
47.5°	12124.1	12092.0	11785.6	11378.1	11026.7	10967.4	11084.5	11463.1	11976.5	12305.4	12299.0
50°	13815.1	13702.8	13280.9	12669.6	12029.5	11946.0	12050.3	12597.4	13237.5	13659.5	13675.5
52.5°	15698.6	15616.8	15133.9	14253.1	13356.3	13040.2	13197.4	13922.6	14721.6	15230.2	15307.2
55°	17591.8	17611.0	17105.6	16086.9	14973.5	14392.7	14585.2	15405.0	16521.7	17020.6	17052.7
57.5°	19627.7	19611.6	19143.2	18150.1	16943.6	16093.3	16311.5	17320.6	18313.7	18971.5	18952.3
60°	21586.6	21517.6	21105.3	20393.0	19319.7	18308.9	18475.8	19467.3	20360.9	20909.6	20954.5
62.5°	23266.4	23269.6	23065.8	22719.3	22116.0	21329.9	21158.2	21763.1	22494.7	22866.9	22858.9
65°	25454.7	25387.3	25206.0	25023.1	25007.1	24944.5	24219.4	24269.1	24676.6	25028.0	25082.5
67.5°	26057.9	26139.8	26516.8	27397.6	28594.4	28708.3	27405.6	26268.1	25830.1	25727.5	25655.3
70°	24479.3	24503.3	25494.8	27537.2	30988.1	32236.3	29552.2	26155.8	24777.7	24264.3	24227.4
72.5°	21708.5	21846.5	23178.1	26338.7	31167.8	32393.5	29929.3	24785.7	22671.2	21710.1	21540.1
75°	18366.7	18628.2	20283.9	23789.4	29396.6	30696.1	28244.7	22392.0	19738.4	18506.2	18389.1
77.5°	13154.1	13308.1	15608.8	19922.9	26362.8	27835.6	25278.2	18814.3	15636.1	14188.9	13988.4
80°	6985.4	7546.9	9760.9	14338.1	21341.1	23669.1	20437.9	13861.6	10420.3	8716.5	8637.9
82.5°	3046.7	3247.2	4710.4	8321.8	14633.3	17765.0	14267.5	8556.0	5716.3	4387.9	4110.4
85°	1265.8	1322.0	2085.7	3940.3	7639.9	9783.4	7919.1	4277.2	2611.9	1771.2	1862.7
87.5°	333.7	375.4	657.8	1477.6	2780.3	3269.7	2664.8	1620.4	869.6	545.5	508.6
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)