

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: P622561

Luminaire Tested: **PRV-M-C275-D-U-T5-BZ-7030**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622561
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-7030
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 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: 82808 lumens
Efficiency: N/A
Efficacy: 140.9 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

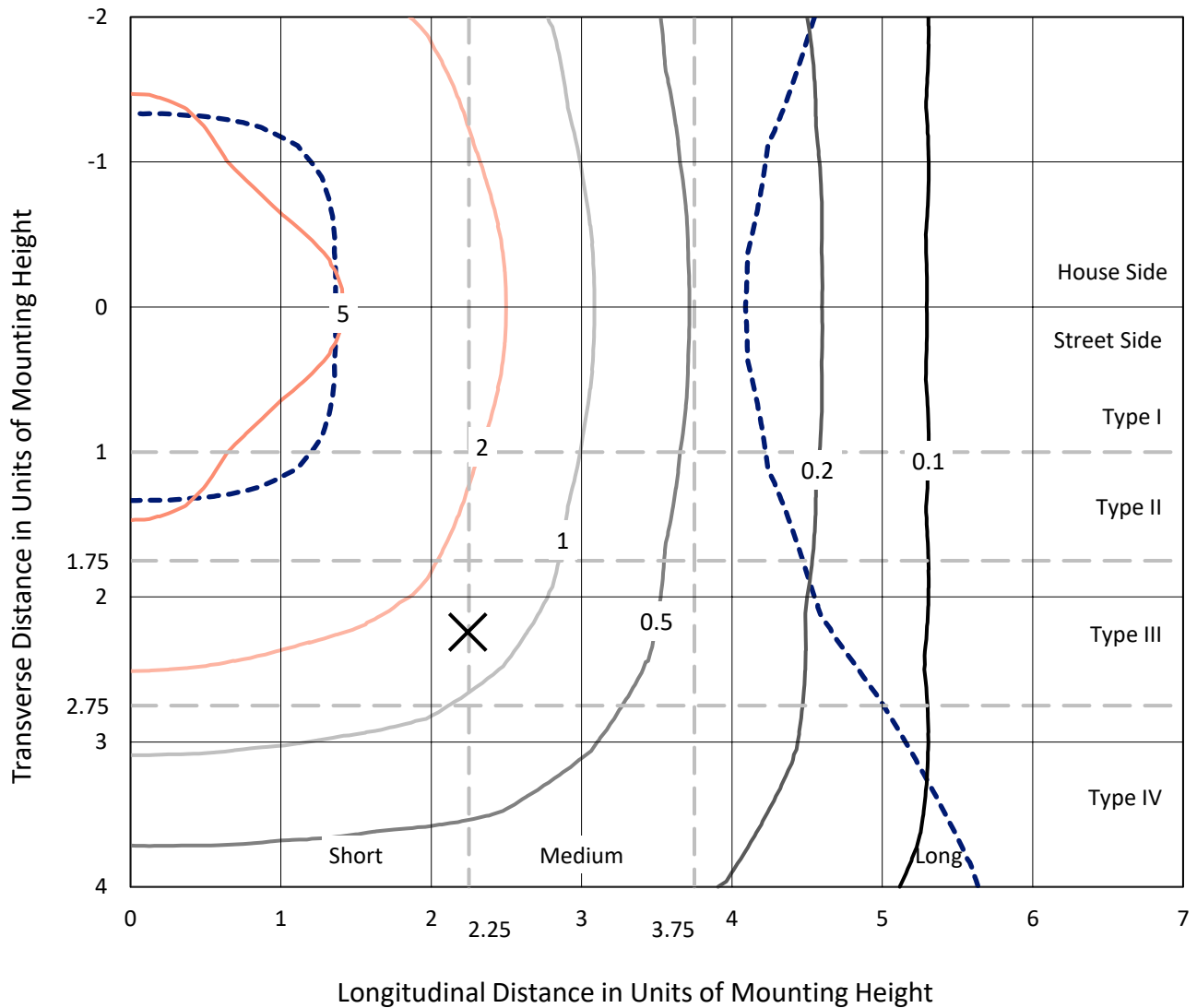
Input Watts (W): 587.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

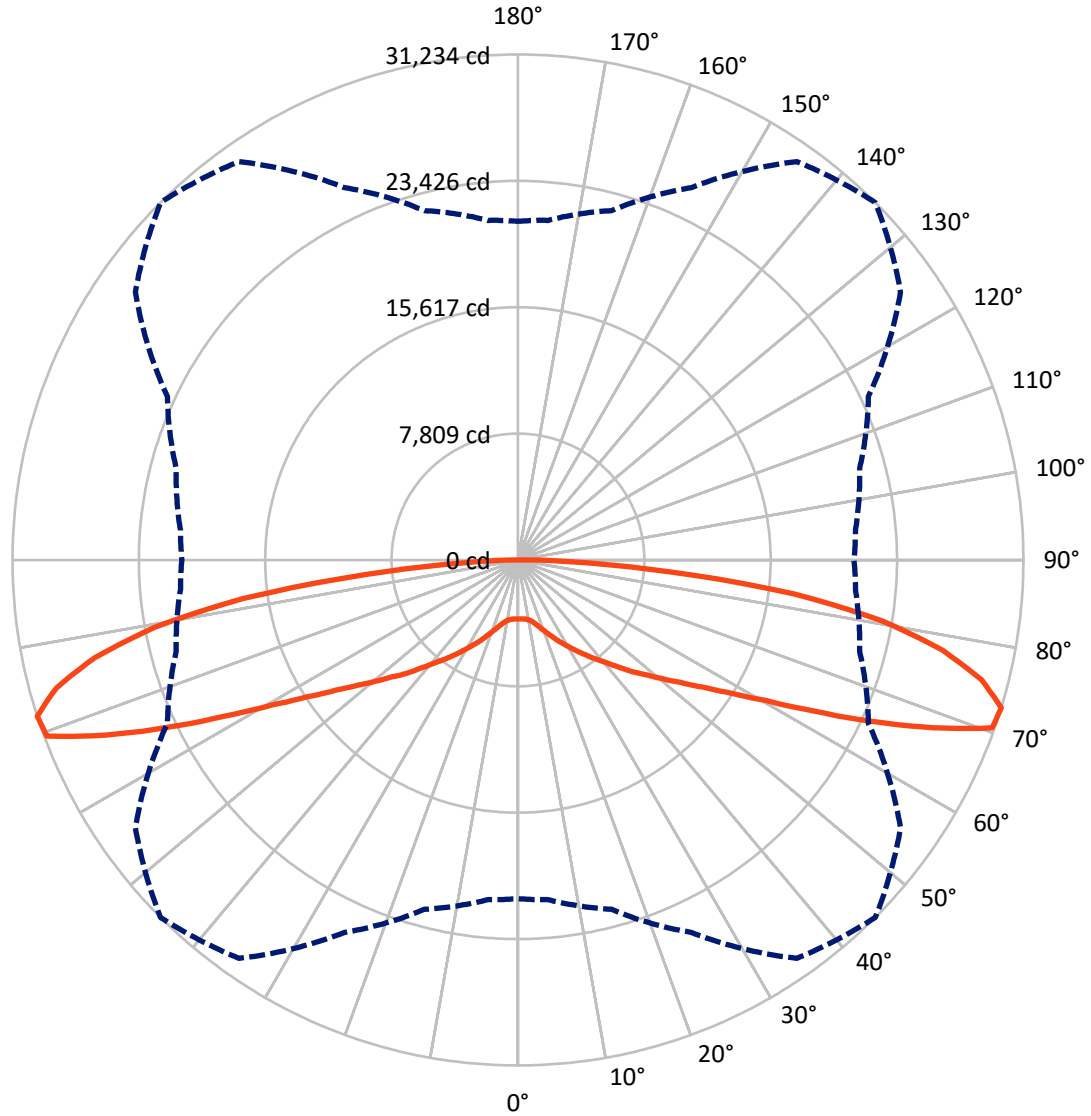
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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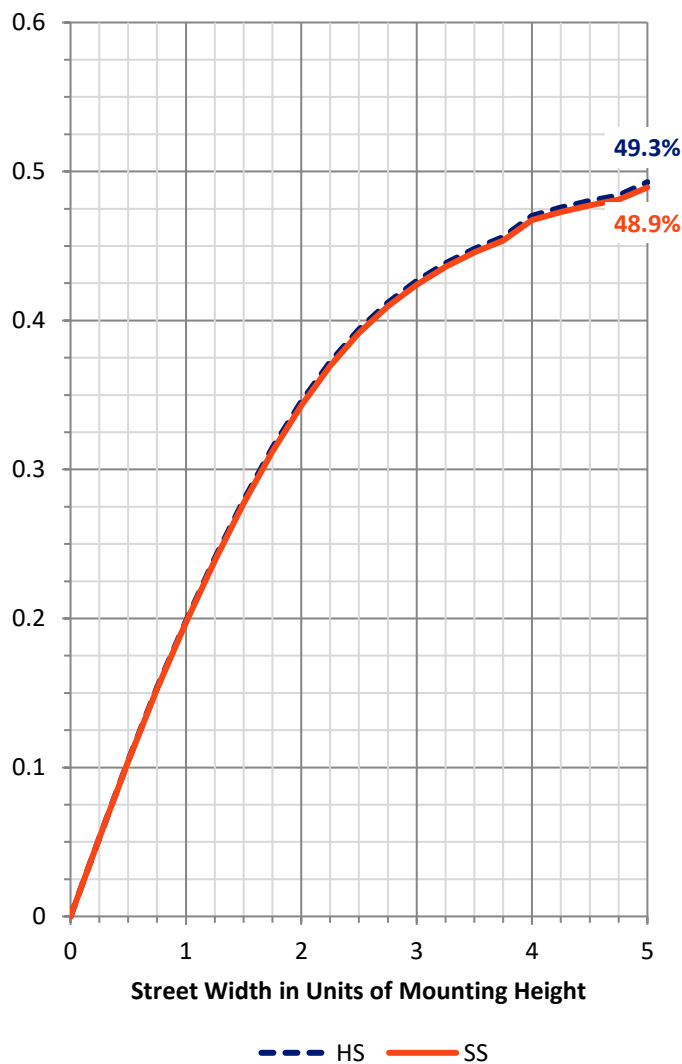
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41404.0	0.0	41404.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	41404.0	0.0	41404.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	82808.0	0.0	82808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	0.4
10°-20°	1180.1	1.4
20°-30°	2482.4	3.0
30°-40°	4574.1	5.5
40°-50°	7973.0	9.6
50°-60°	14011.1	16.9
60°-70°	23440.0	28.3
70°-80°	22907.0	27.7
80°-90°	5885.5	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°	82808.0	100.0
0°-180°	82808.0	100.0

Coefficient of Utilization

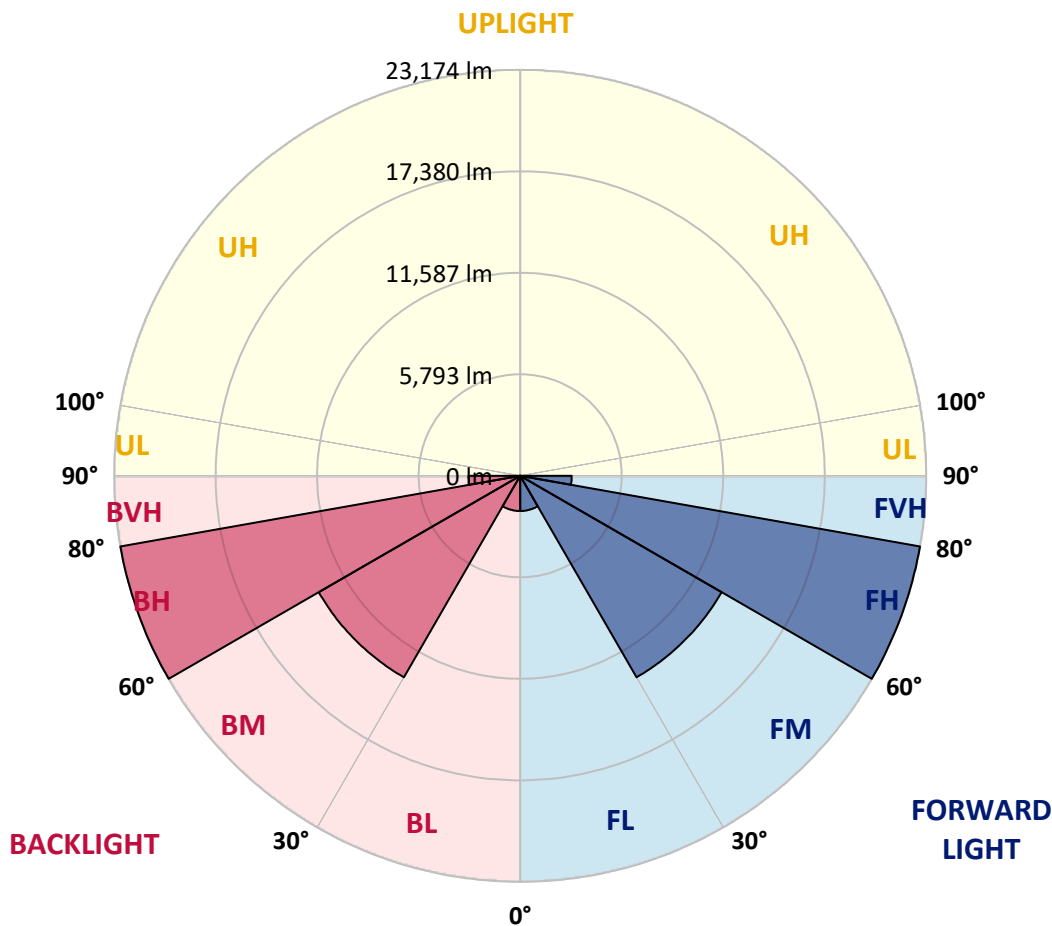


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2008.6	2.4			
FM (30°-60°)	13279.1	16.0			
FH (60°-80°)	23173.5	28.0			G5
FVH (80°-90°)	2942.7	3.6			G5
BL (0°-30°)	2008.6	2.4	B3/2500		
BM (30°-60°)	13279.1	16.0	B5		
BH (60°-80°)	23173.5	28.0	B5		G5
BVH (80°-90°)	2942.7	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°	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9	3653.9
2.5°	3664.7	3666.2	3667.8	3655.4	3650.8	3639.9	3643.0	3660.0	3670.9	3678.6	3677.1
5°	3680.1	3683.2	3686.3	3677.1	3669.3	3658.5	3666.2	3683.2	3697.2	3704.9	3703.4
7.5°	3723.5	3723.5	3728.1	3717.3	3711.1	3697.2	3703.4	3721.9	3737.4	3748.2	3745.1
10°	3790.0	3797.7	3805.4	3790.0	3788.4	3773.0	3777.6	3794.6	3799.3	3807.0	3807.0
12.5°	3893.6	3898.3	3910.6	3912.2	3923.0	3906.0	3906.0	3907.5	3901.4	3892.1	3890.5
15°	4051.4	4056.1	4077.7	4093.2	4113.3	4110.2	4094.7	4083.9	4051.4	4040.6	4043.7
17.5°	4251.0	4264.9	4286.5	4315.9	4365.4	4371.6	4339.1	4308.2	4277.3	4260.2	4241.7
20°	4532.5	4538.7	4568.1	4599.0	4665.5	4674.8	4634.6	4578.9	4546.4	4546.4	4544.9
22.5°	4848.1	4846.5	4871.3	4919.2	4995.0	5026.0	4967.2	4910.0	4885.2	4883.7	4880.6
25°	5213.2	5224.0	5219.3	5264.2	5358.6	5418.9	5329.2	5273.5	5261.1	5259.6	5270.4
27.5°	5630.8	5646.3	5635.5	5635.5	5732.9	5816.5	5722.1	5677.2	5677.2	5689.6	5692.7
30°	6088.7	6093.4	6079.4	6079.4	6153.7	6234.1	6130.5	6139.8	6156.8	6200.1	6184.6
32.5°	6596.1	6589.9	6569.8	6568.3	6633.2	6712.1	6617.8	6637.9	6693.6	6744.6	6709.0
35°	7160.7	7146.8	7120.5	7105.1	7170.0	7204.1	7171.6	7218.0	7292.2	7361.8	7360.3
37.5°	7739.3	7761.0	7713.0	7696.0	7703.7	7739.3	7740.8	7829.0	7963.6	8053.3	8045.6
40°	8443.1	8427.7	8381.3	8291.5	8294.6	8303.9	8415.3	8546.8	8744.8	8816.0	8871.6
42.5°	9270.8	9284.7	9119.2	9035.6	8973.7	9001.6	9120.7	9348.1	9592.5	9696.2	9754.9
45°	10302.6	10349.0	10181.9	9996.3	9827.7	9823.0	9957.6	10214.4	10483.5	10698.6	10741.9
47.5°	11690.2	11659.2	11363.8	10970.8	10632.1	10574.8	10687.7	11052.8	11547.8	11865.0	11858.8
50°	13320.6	13212.3	12805.5	12216.1	11598.9	11518.4	11619.0	12146.5	12763.7	13170.6	13186.0
52.5°	15136.7	15057.8	14592.2	13742.9	12878.2	12573.5	12725.1	13424.3	14194.6	14685.0	14759.3
55°	16962.1	16980.7	16493.4	15511.1	14437.5	13877.5	14063.1	14853.6	15930.3	16411.4	16442.3
57.5°	18925.2	18909.7	18458.0	17500.4	16337.1	15517.3	15727.6	16700.7	17658.2	18292.5	18273.9
60°	20814.0	20747.4	20349.9	19663.0	18628.1	17653.6	17814.5	18770.5	19632.1	20161.1	20204.5
62.5°	22433.6	22436.7	22240.2	21906.1	21324.4	20566.4	20400.9	20984.1	21689.5	22048.4	22040.7
65°	24543.6	24478.6	24303.8	24127.5	24112.0	24051.7	23352.5	23400.4	23793.3	24132.1	24184.7
67.5°	25125.2	25204.1	25567.7	26416.9	27570.9	27680.8	26424.7	25327.9	24905.6	24806.6	24737.0
70°	23603.1	23626.3	24582.3	26551.5	29879.0	31082.5	28494.5	25219.6	23890.8	23395.8	23360.2
72.5°	20931.5	21064.6	22348.5	25396.0	30052.2	31234.1	28858.0	23898.5	21859.7	20933.1	20769.1
75°	17709.3	17961.4	19557.8	22937.9	28344.4	29597.4	27233.7	21590.5	19031.9	17843.8	17730.9
77.5°	12683.3	12831.8	15050.1	19209.8	25419.2	26839.2	24373.4	18140.9	15076.4	13681.1	13487.7
80°	6735.3	7276.8	9411.5	13824.9	20577.3	22821.9	19706.4	13365.5	10047.3	8404.5	8328.7
82.5°	2937.6	3131.0	4541.8	8023.9	14109.6	17129.2	13756.9	8249.8	5511.7	4230.9	3963.2
85°	1220.5	1274.7	2011.0	3799.3	7366.5	9433.2	7635.6	4124.1	2518.4	1707.8	1796.0
87.5°	321.8	362.0	634.2	1424.7	2680.8	3152.6	2569.5	1562.4	838.4	526.0	490.4
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)