

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: P286987

Luminaire Tested: **PRV-C25-D-UNV-T5-BZ-7030**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C25-D-UNV-T5-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 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: 13790 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

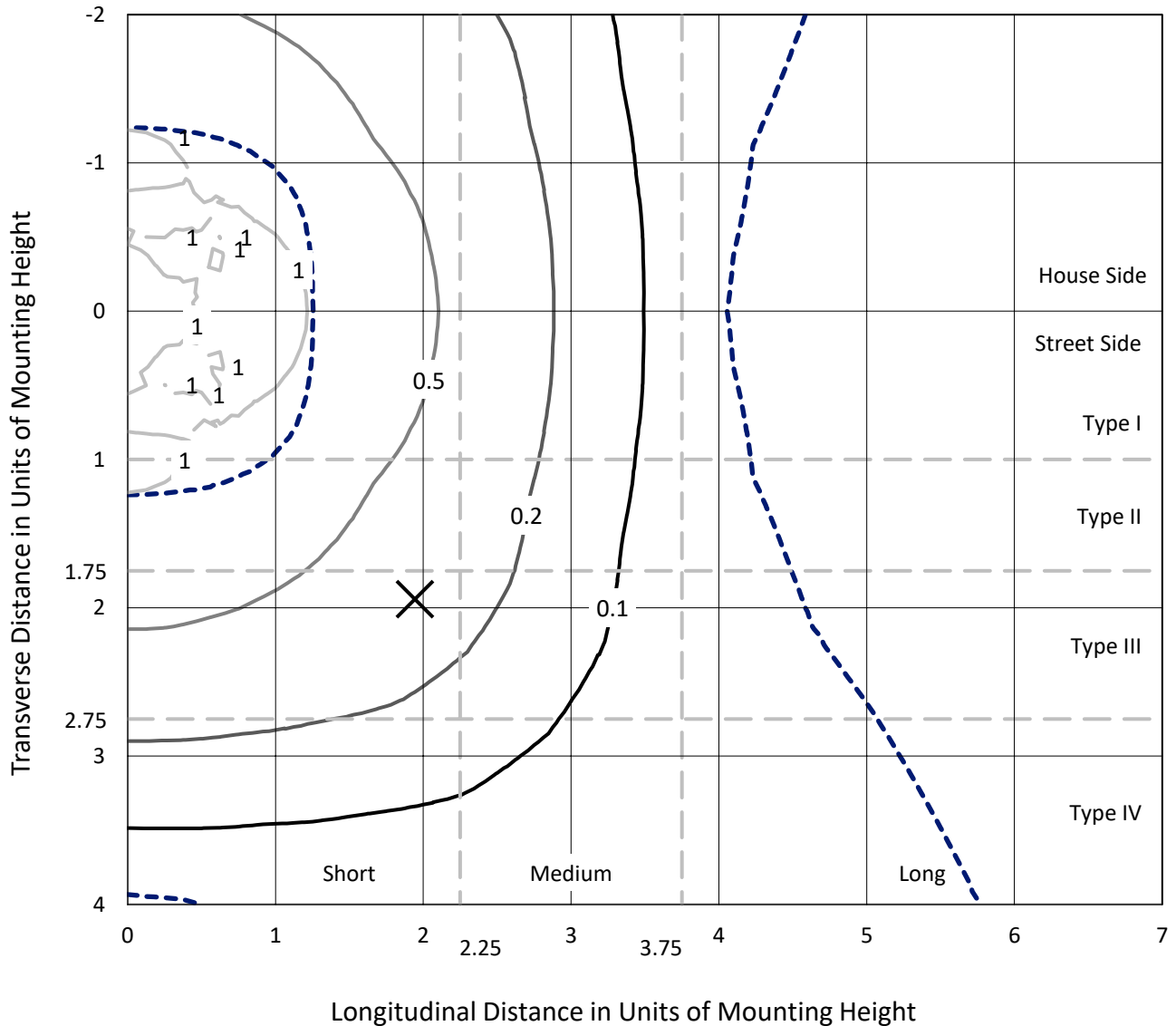
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

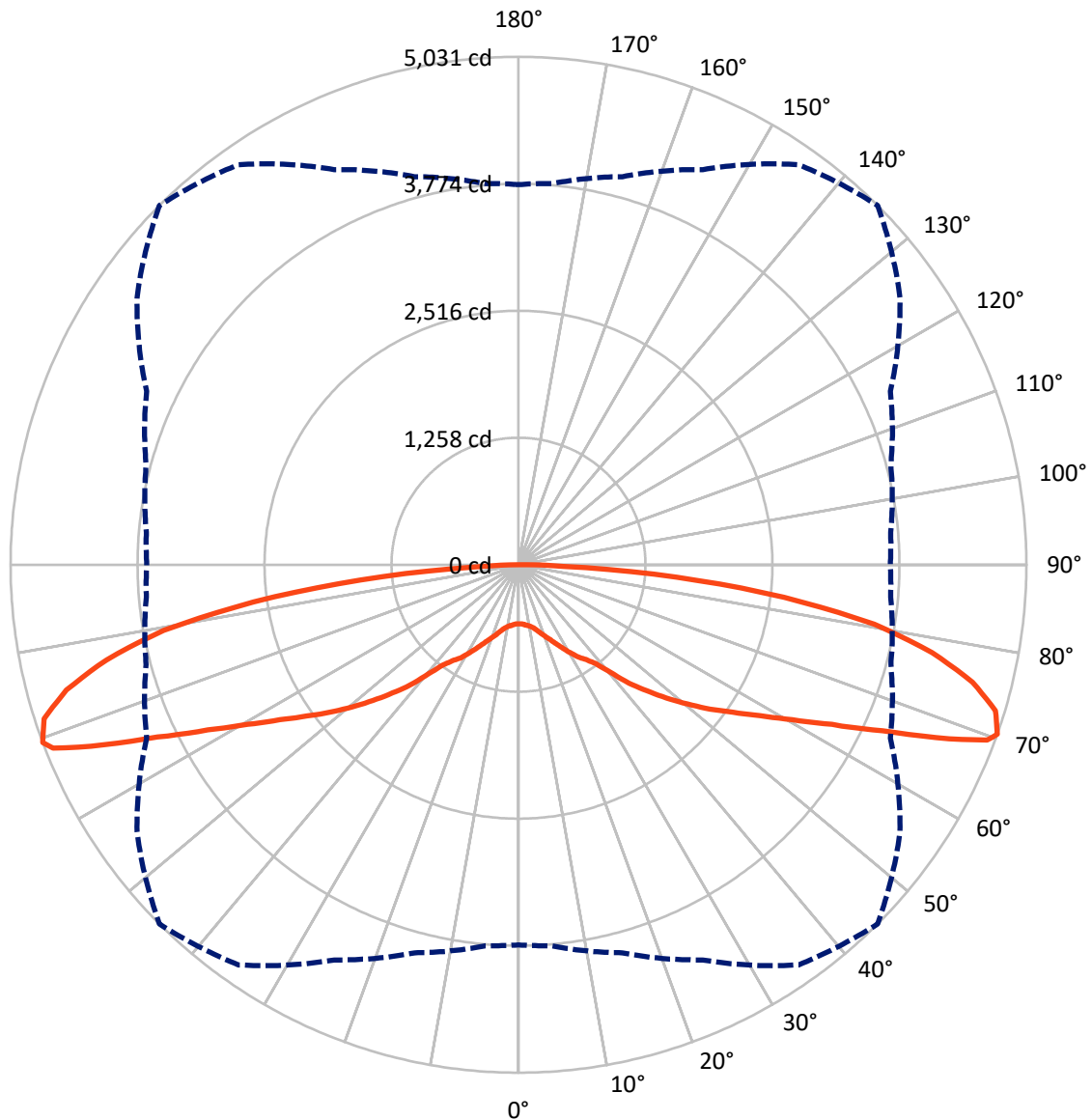
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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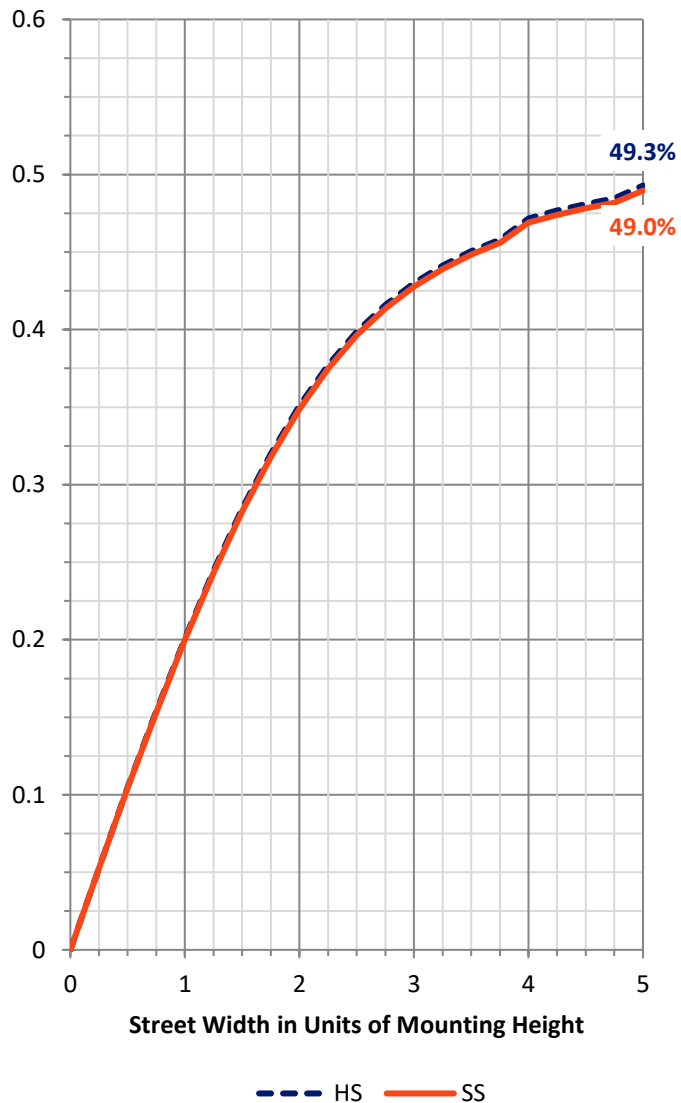
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6895.0	0.0	6895.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6895.0	0.0	6895.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13790.0	0.0	13790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	0.4
10°-20°	192.4	1.4
20°-30°	397.9	2.9
30°-40°	728.9	5.3
40°-50°	1443.6	10.5
50°-60°	2473.7	17.9
60°-70°	3894.8	28.2
70°-80°	3639.9	26.4
80°-90°	961.1	7.0
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°	13790.0	100.0
0°-180°	13790.0	100.0

Coefficient of Utilization

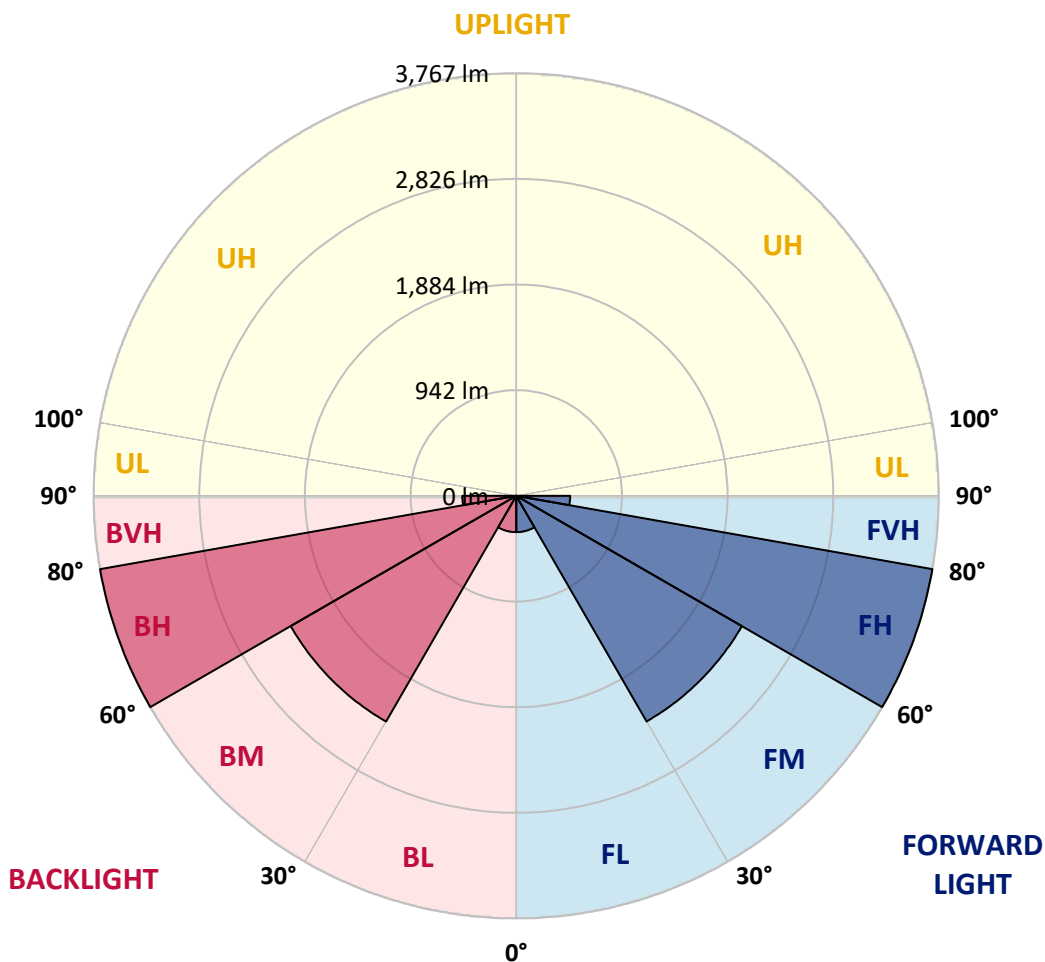


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.0	2.3			
FM (30°-60°)	2323.1	16.8			
FH (60°-80°)	3767.4	27.3			G2/5000
FVH (80°-90°)	480.6	3.5			G3/500
BL (0°-30°)	324.0	2.3	B1/500		
BM (30°-60°)	2323.1	16.8	B2/2500		
BH (60°-80°)	3767.4	27.3	B4/5000		G2/5000
BVH (80°-90°)	480.6	3.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6	586.6
2.5°	594.8	595.5	594.2	587.9	587.2	585.3	584.7	587.2	587.2	587.2	586.0
5°	605.6	603.7	599.9	597.4	596.1	594.8	592.9	596.7	598.0	599.9	594.8
7.5°	612.6	612.6	611.9	607.5	609.4	605.6	602.4	605.6	608.1	606.9	606.2
10°	626.5	627.7	625.2	620.8	624.6	617.6	613.2	615.7	615.1	614.5	615.7
12.5°	645.5	646.7	643.6	639.8	644.8	638.5	634.1	633.4	632.2	631.5	629.6
15°	671.4	672.0	669.5	666.3	673.9	670.1	667.6	659.4	659.4	657.5	658.1
17.5°	702.4	705.6	703.7	703.7	715.7	713.2	702.4	692.9	696.1	691.7	691.7
20°	742.9	741.6	743.5	746.7	760.6	756.8	745.4	732.2	736.0	731.5	730.9
22.5°	789.7	790.4	791.6	794.2	814.4	807.5	795.4	784.7	784.0	781.5	782.1
25°	844.8	844.2	840.4	849.9	872.6	865.7	851.1	843.5	844.8	844.8	845.4
27.5°	900.5	896.1	894.8	895.4	939.7	935.9	913.1	899.2	901.7	906.8	908.7
30°	956.2	954.9	951.7	947.9	998.6	1011.9	971.4	963.1	966.3	974.5	976.4
32.5°	1031.5	1028.3	1025.1	1015.7	1047.9	1089.7	1037.8	1039.7	1048.6	1061.2	1063.1
35°	1115.0	1115.6	1106.8	1098.6	1116.9	1153.0	1127.7	1130.2	1149.8	1166.9	1171.3
37.5°	1216.9	1218.8	1204.2	1187.1	1203.6	1241.6	1224.5	1251.1	1300.4	1328.3	1339.6
40°	1388.4	1383.9	1362.4	1330.2	1345.3	1396.6	1415.0	1449.1	1517.5	1556.1	1570.6
42.5°	1627.6	1619.3	1590.9	1556.7	1561.1	1605.4	1632.0	1698.4	1771.9	1811.7	1819.3
45°	1856.0	1852.2	1820.6	1759.2	1740.8	1780.1	1813.6	1896.5	1976.3	2018.0	2035.1
47.5°	2112.9	2109.8	2065.5	1986.4	1953.5	1971.2	1994.0	2089.5	2159.1	2204.7	2214.8
50°	2388.2	2380.6	2333.2	2236.3	2175.0	2168.6	2194.6	2276.2	2356.6	2396.4	2393.3
52.5°	2667.9	2664.7	2615.4	2496.4	2416.1	2374.9	2385.7	2455.3	2533.1	2583.7	2586.9
55°	2957.1	2959.6	2903.9	2760.9	2651.5	2578.7	2572.4	2652.7	2730.6	2773.6	2785.6
57.5°	3256.4	3257.0	3186.8	3055.2	2915.3	2819.8	2786.2	2875.5	2948.9	2987.5	3009.6
60°	3535.5	3541.8	3483.6	3375.4	3241.9	3113.4	3059.0	3137.4	3213.4	3268.4	3269.1
62.5°	3853.8	3849.4	3795.6	3707.6	3623.4	3484.2	3383.0	3465.9	3543.7	3593.1	3616.5
65°	4158.8	4166.4	4153.7	4118.3	4069.6	3963.3	3832.3	3945.5	3997.4	3994.9	4017.7
67.5°	4074.6	4109.4	4193.0	4372.1	4556.8	4601.1	4393.6	4146.8	4036.0	3966.4	3943.6
69°	3910.7	3949.3	4097.4	4363.8	4758.7	4956.1	4562.5	4098.0	3927.2	3830.4	3810.1
70°	3765.2	3788.6	3979.7	4318.9	4838.4	5031.4	4613.8	4064.5	3818.3	3700.6	3682.3
72.5°	3318.4	3365.3	3577.2	4080.3	4784.0	4940.3	4594.8	3843.0	3508.9	3319.1	3298.8
75°	2736.3	2783.7	3074.8	3643.1	4479.0	4646.7	4305.0	3445.6	3014.7	2831.2	2793.2
77.5°	1949.7	1984.5	2323.0	3004.6	3961.4	4189.2	3820.2	2885.6	2421.7	2218.0	2169.3
80°	1141.6	1155.5	1490.3	2140.1	3159.0	3573.5	3153.3	2238.9	1730.7	1506.7	1475.1
82.5°	429.7	537.3	792.3	1323.2	2156.0	2650.8	2324.9	1528.2	1033.4	801.8	772.7
85°	131.0	179.1	338.6	655.6	1185.9	1572.5	1463.0	848.0	429.0	244.9	213.9
87.5°	22.8	29.1	77.8	210.7	437.9	442.3	343.0	155.7	31.0	11.4	10.8
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)