

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: P286996

Luminaire Tested: **PRV-C40-D-UNV-T5-BZ-7050**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286996
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-C40-D-UNV-T5-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 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: 18596 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 131
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

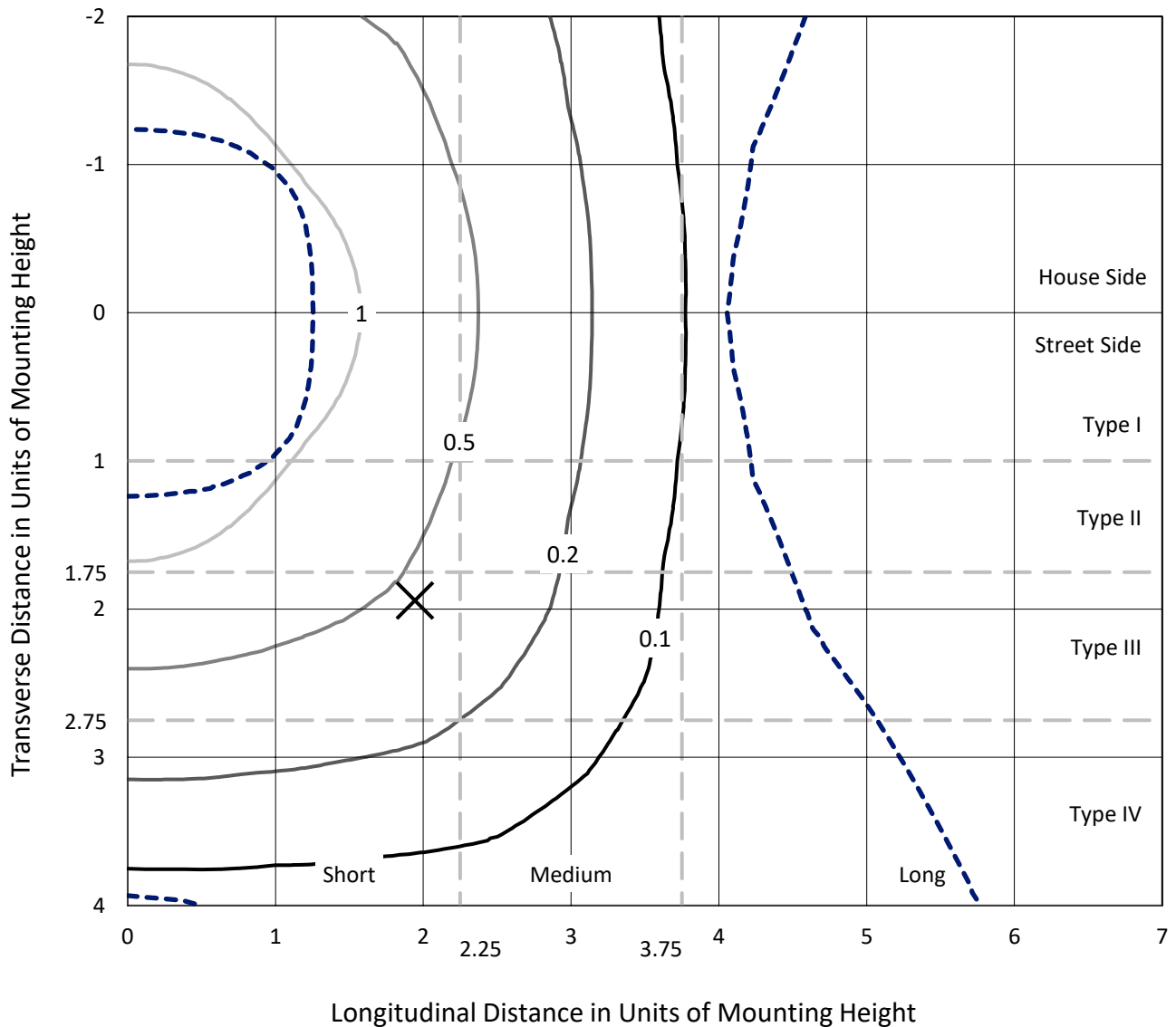




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Iso-Footcandle Lines of Horizontal Illumination

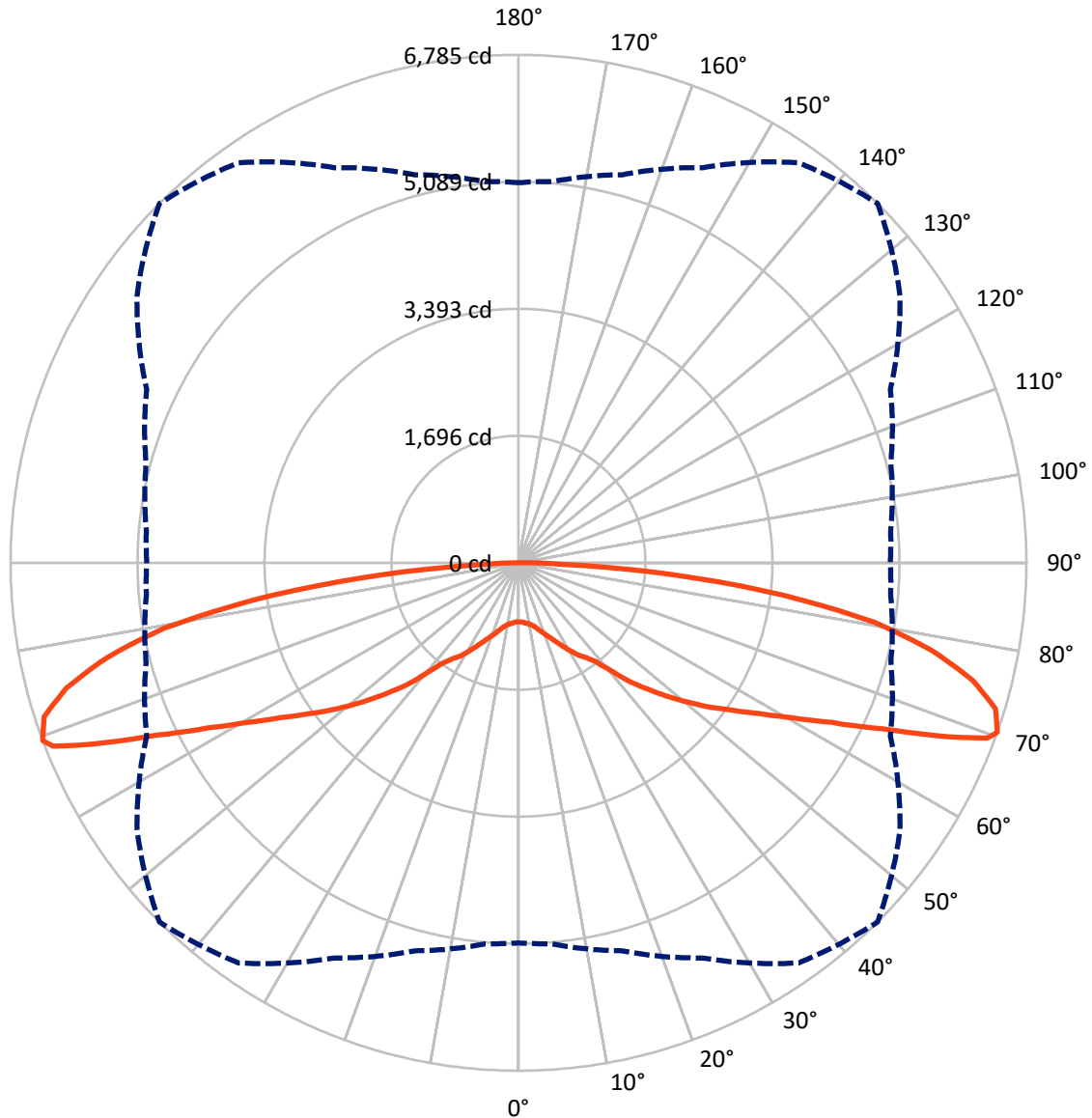
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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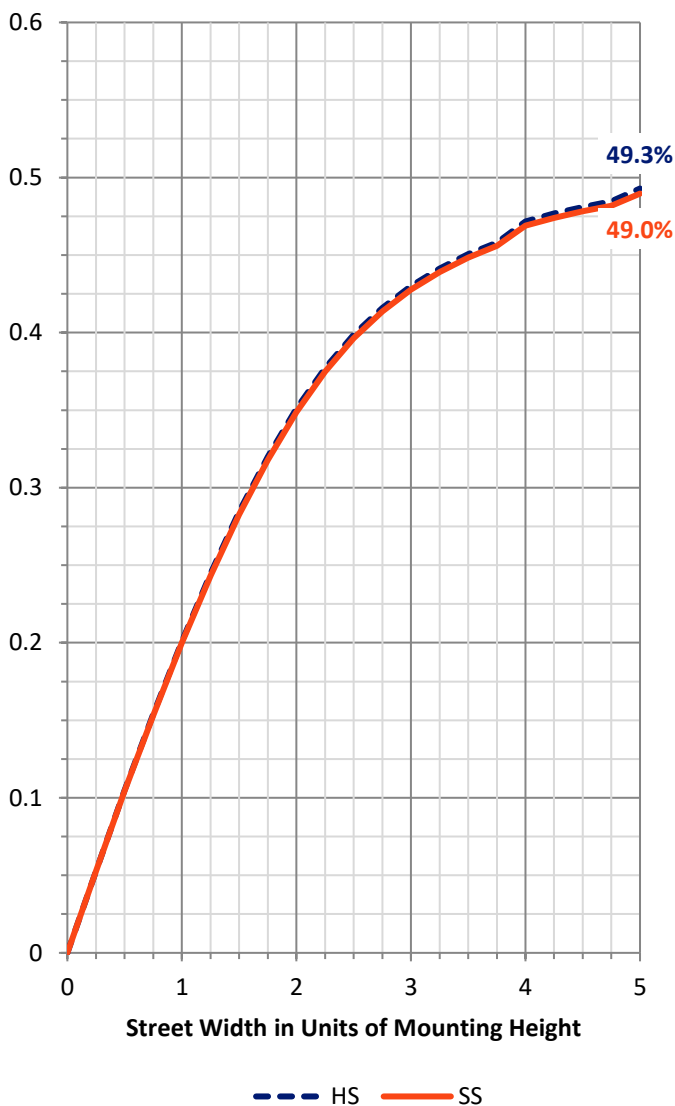
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9298.0	0.0	9298.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9298.0	0.0	9298.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18596.0	0.0	18596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	0.4
10°-20°	259.4	1.4
20°-30°	536.5	2.9
30°-40°	983.0	5.3
40°-50°	1946.7	10.5
50°-60°	3335.9	17.9
60°-70°	5252.2	28.2
70°-80°	4908.5	26.4
80°-90°	1296.1	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°	18596.0	100.0
0°-180°	18596.0	100.0

Coefficient of Utilization

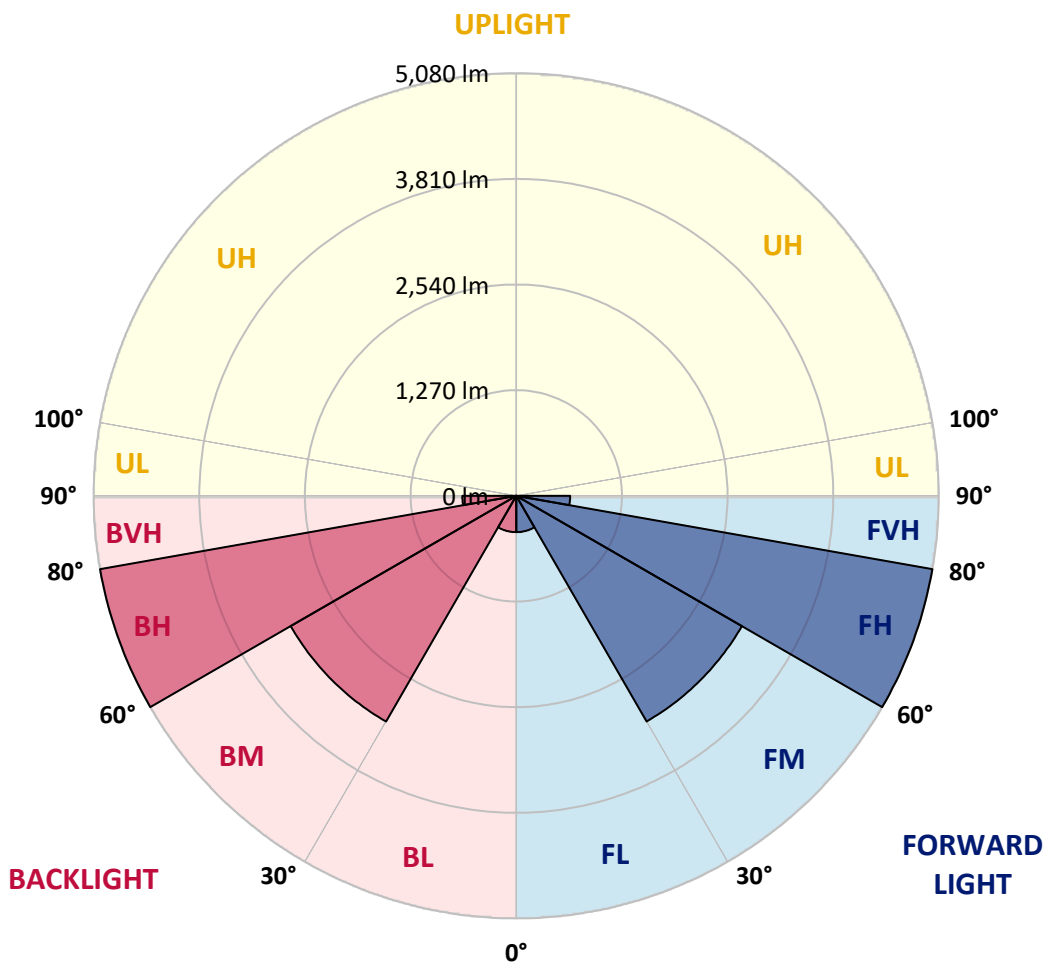


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.9	2.3			
FM (30°-60°)	3132.8	16.8			
FH (60°-80°)	5080.3	27.3			G3/7500
FVH (80°-90°)	648.0	3.5			G4/750
BL (0°-30°)	436.9	2.3	B1/500		
BM (30°-60°)	3132.8	16.8	B3/5000		
BH (60°-80°)	5080.3	27.3	B5		G3/7500
BVH (80°-90°)	648.0	3.5			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1	791.1
2.5°	802.1	803.0	801.3	792.8	791.9	789.3	788.5	791.9	791.9	791.9	790.2
5°	816.7	814.1	809.0	805.6	803.9	802.1	799.6	804.7	806.4	809.0	802.1
7.5°	826.0	826.0	825.2	819.2	821.8	816.7	812.4	816.7	820.1	818.4	817.5
10°	844.8	846.5	843.1	837.1	842.3	832.9	826.9	830.3	829.5	828.6	830.3
12.5°	870.4	872.1	867.9	862.7	869.6	861.0	855.1	854.2	852.5	851.6	849.1
15°	905.4	906.3	902.8	898.6	908.8	903.7	900.3	889.2	889.2	886.6	887.5
17.5°	947.2	951.5	948.9	948.9	965.1	961.7	947.2	934.4	938.7	932.7	932.7
20°	1001.8	1000.1	1002.7	1006.9	1025.7	1020.6	1005.2	987.3	992.4	986.5	985.6
22.5°	1065.0	1065.8	1067.5	1070.9	1098.3	1088.9	1072.7	1058.1	1057.3	1053.9	1054.7
25°	1139.2	1138.4	1133.2	1146.0	1176.8	1167.4	1147.8	1137.5	1139.2	1139.2	1140.1
27.5°	1214.3	1208.3	1206.6	1207.5	1267.2	1262.1	1231.4	1212.6	1216.0	1222.8	1225.4
30°	1289.4	1287.7	1283.4	1278.3	1346.6	1364.5	1309.9	1298.8	1303.1	1314.2	1316.7
32.5°	1391.0	1386.7	1382.4	1369.6	1413.1	1469.5	1399.5	1402.0	1414.0	1431.1	1433.6
35°	1503.6	1504.5	1492.5	1481.4	1506.2	1554.8	1520.7	1524.1	1550.5	1573.6	1579.5
37.5°	1641.0	1643.5	1623.9	1600.9	1623.1	1674.3	1651.2	1687.1	1753.6	1791.2	1806.5
40°	1872.2	1866.3	1837.3	1793.7	1814.2	1883.3	1908.1	1954.2	2046.3	2098.4	2118.0
42.5°	2194.8	2183.7	2145.3	2099.2	2105.2	2164.9	2200.8	2290.4	2389.4	2443.1	2453.4
45°	2502.9	2497.7	2455.1	2372.3	2347.6	2400.5	2445.7	2557.5	2665.0	2721.3	2744.4
47.5°	2849.3	2845.1	2785.3	2678.7	2634.3	2658.2	2688.9	2817.8	2911.6	2973.1	2986.7
50°	3220.5	3210.3	3146.3	3015.7	2933.0	2924.4	2959.4	3069.5	3177.9	3231.6	3227.4
52.5°	3597.7	3593.4	3526.9	3366.5	3258.1	3202.6	3217.1	3311.0	3415.9	3484.2	3488.5
55°	3987.7	3991.1	3916.0	3723.2	3575.5	3477.4	3468.9	3577.2	3682.2	3740.2	3756.4
57.5°	4391.3	4392.2	4297.5	4120.0	3931.4	3802.5	3757.3	3877.6	3976.6	4028.6	4058.5
60°	4767.6	4776.2	4697.7	4551.8	4371.7	4198.5	4125.1	4230.9	4333.3	4407.5	4408.4
62.5°	5196.9	5190.9	5118.4	4999.8	4886.3	4698.5	4562.0	4673.8	4778.7	4845.3	4876.9
65°	5608.2	5618.4	5601.4	5553.6	5487.9	5344.5	5167.9	5320.6	5390.6	5387.2	5417.9
67.5°	5494.7	5541.6	5654.3	5895.8	6144.9	6204.7	5924.8	5592.0	5442.6	5348.8	5318.1
69°	5273.7	5325.7	5525.4	5884.7	6417.2	6683.4	6152.6	5526.3	5295.9	5165.3	5138.0
70°	5077.4	5109.0	5366.7	5824.1	6524.7	6785.0	6221.7	5481.0	5149.1	4990.4	4965.6
72.5°	4474.9	4538.1	4824.0	5502.4	6451.3	6662.1	6196.1	5182.4	4731.8	4475.8	4448.5
75°	3689.9	3753.9	4146.4	4912.7	6040.0	6266.1	5805.3	4646.5	4065.3	3817.9	3766.7
77.5°	2629.2	2676.1	3132.6	4051.7	5341.9	5649.2	5151.7	3891.3	3265.8	2991.0	2925.3
80°	1539.4	1558.2	2009.6	2886.0	4259.9	4818.8	4252.2	3019.1	2333.9	2031.8	1989.2
82.5°	579.4	724.5	1068.4	1784.3	2907.4	3574.7	3135.2	2060.8	1393.5	1081.2	1041.9
85°	176.6	241.5	456.5	884.1	1599.2	2120.6	1972.9	1143.5	578.6	330.2	288.4
87.5°	30.7	39.3	105.0	284.2	590.5	596.5	462.5	209.9	41.8	15.4	14.5
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)