

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: P286992

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

Issue Date: 3/4/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P286992  
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  
Description: PREVAIL AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18264 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G4

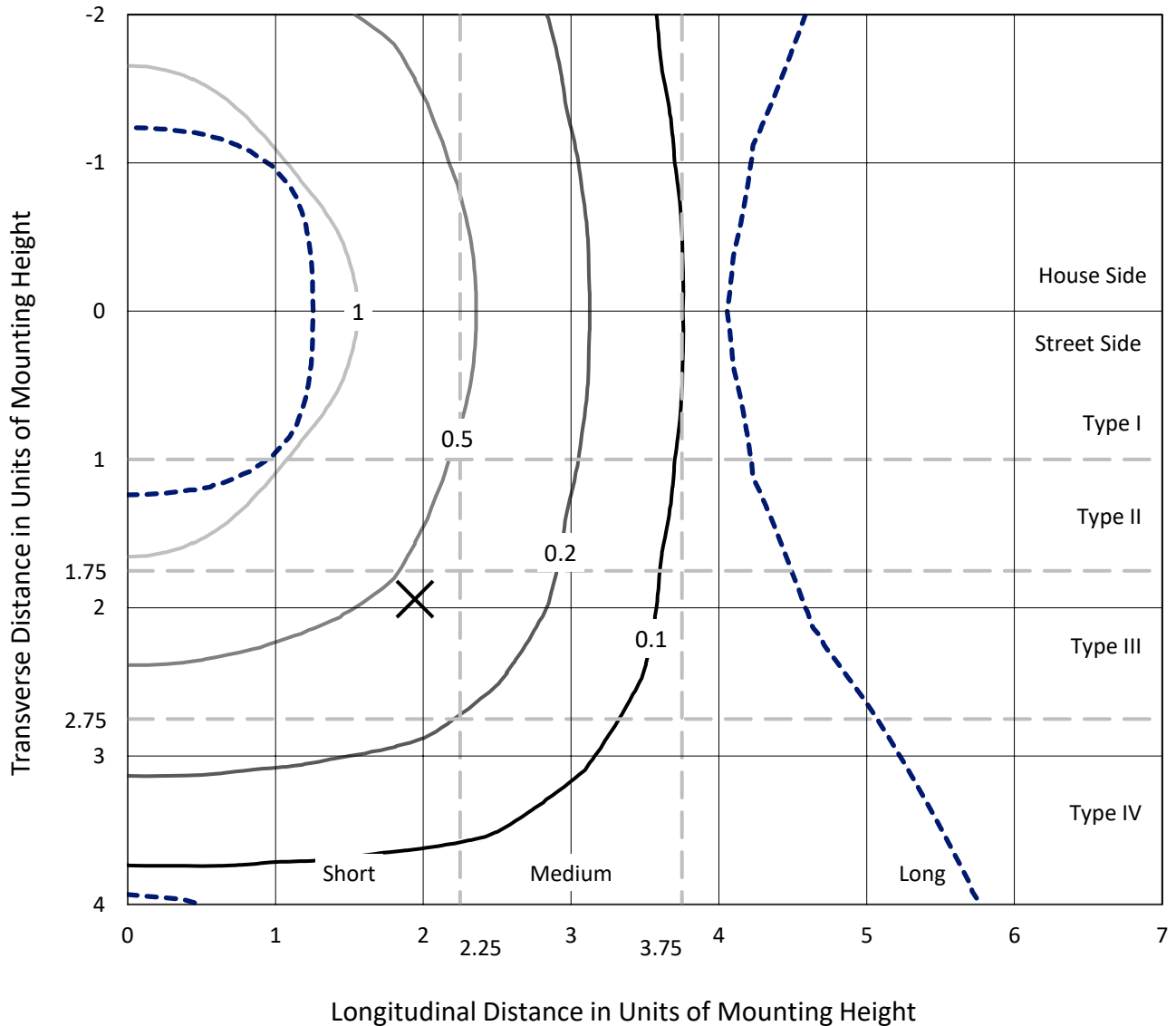
Input Watts (W): 131  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

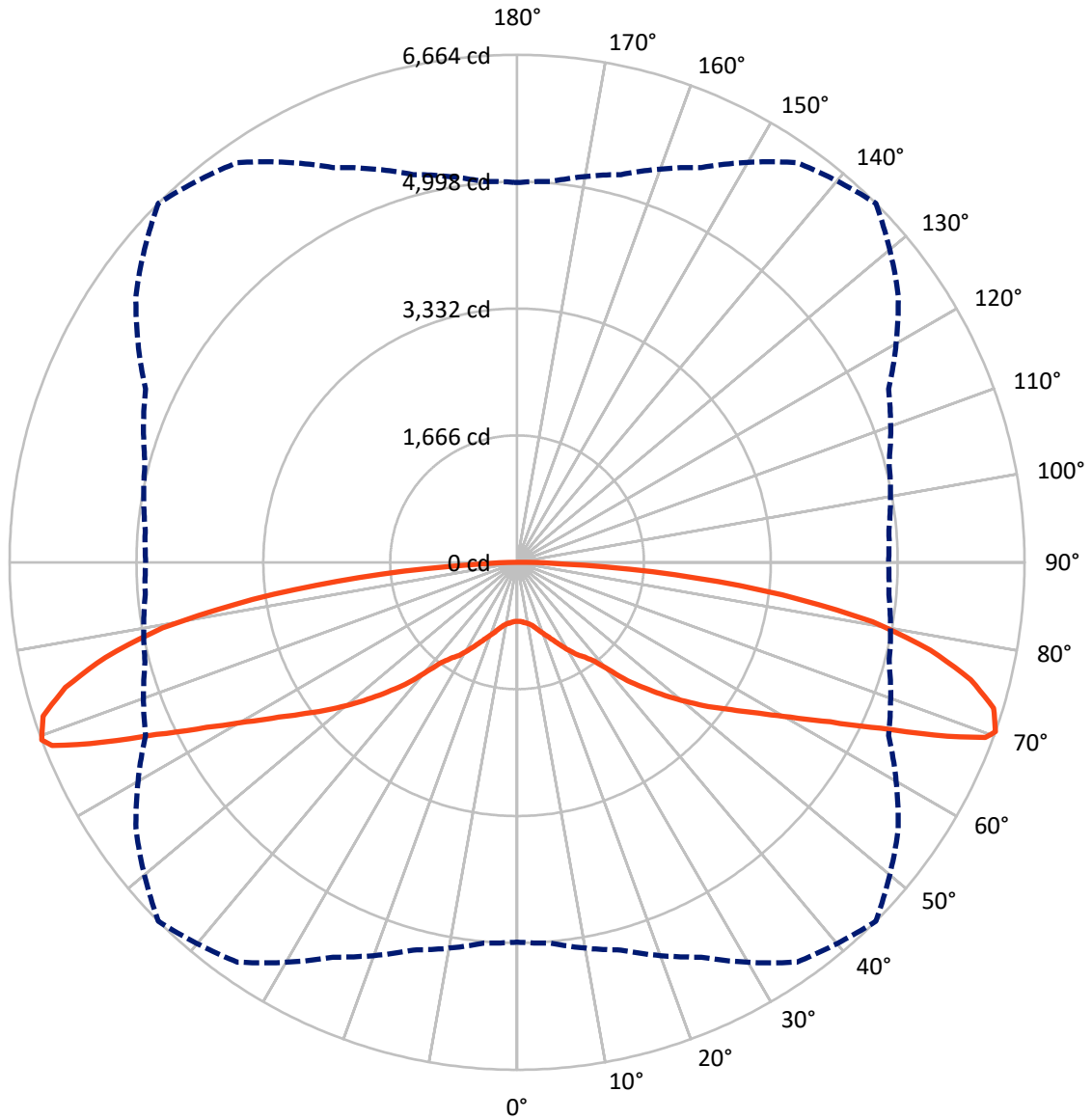
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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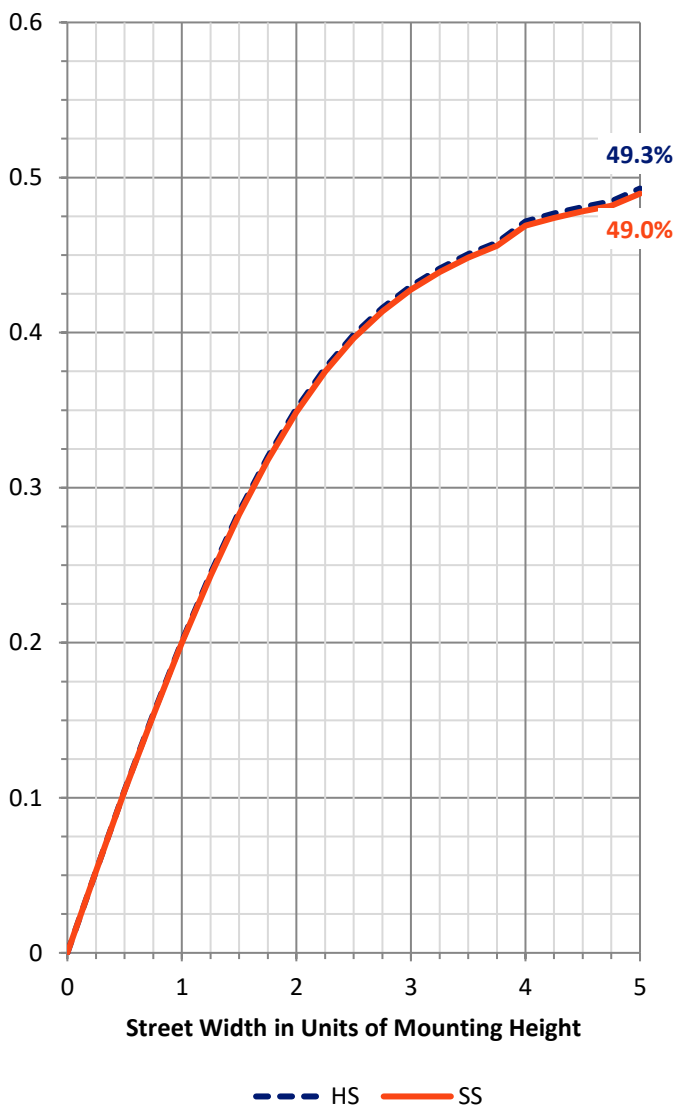
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9132.0	0.0	9132.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9132.0	0.0	9132.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18264.0	0.0	18264.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.4	0.4
10°-20°	254.8	1.4
20°-30°	526.9	2.9
30°-40°	965.4	5.3
40°-50°	1912.0	10.5
50°-60°	3276.3	17.9
60°-70°	5158.4	28.2
70°-80°	4820.8	26.4
80°-90°	1272.9	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°	18264.0	100.0
0°-180°	18264.0	100.0

**Coefficient of Utilization**



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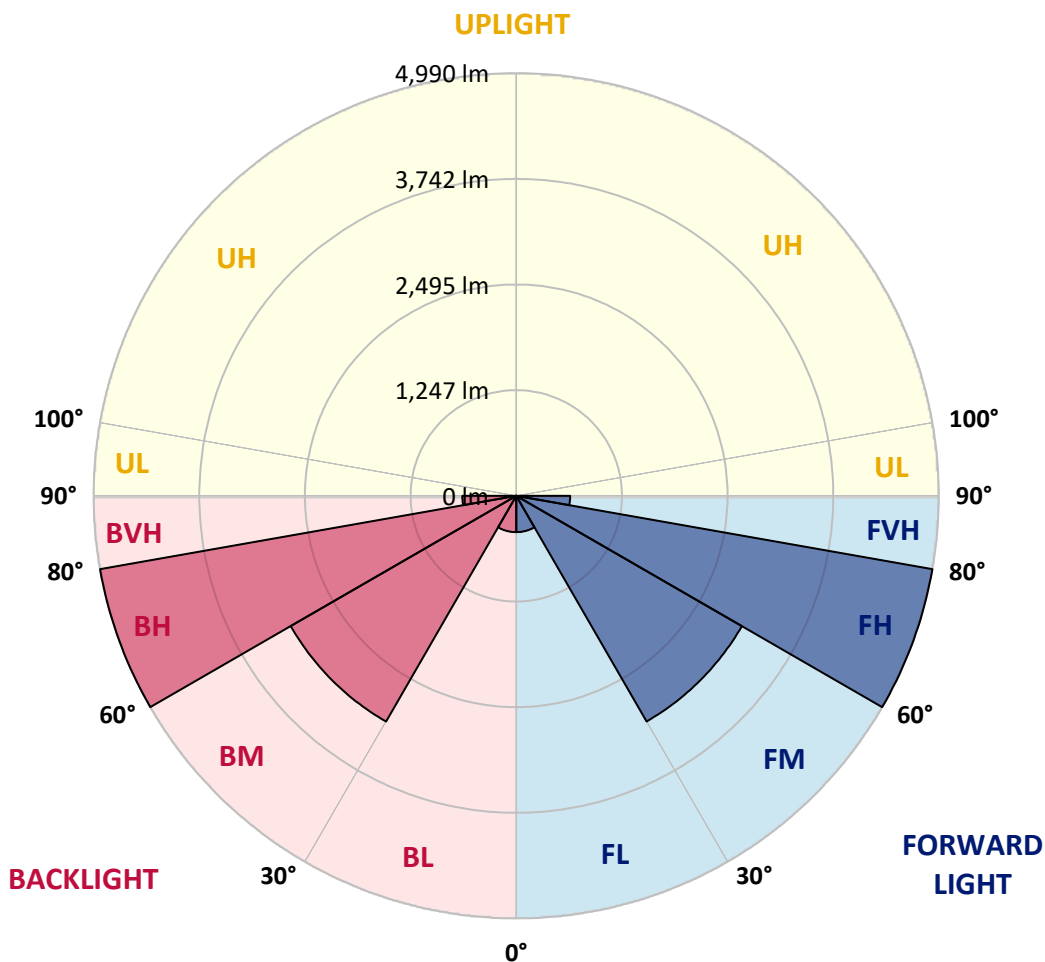
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.1	2.3			
FM (30°-60°)	3076.8	16.8			
FH (60°-80°)	4989.6	27.3			G2/5000
FVH (80°-90°)	636.5	3.5			G4/750
BL (0°-30°)	429.1	2.3	B1/500		
BM (30°-60°)	3076.8	16.8	B3/5000		
BH (60°-80°)	4989.6	27.3	B4/5000		G2/5000
BVH (80°-90°)	636.5	3.5			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	776.9	776.9	776.9	776.9	776.9	776.9	776.9	776.9	776.9	776.9	776.9
2.5°	787.8	788.7	787.0	778.6	777.8	775.3	774.4	777.8	777.8	777.8	776.1
5°	802.1	799.6	794.5	791.2	789.5	787.8	785.3	790.3	792.0	794.5	787.8
7.5°	811.3	811.3	810.5	804.6	807.1	802.1	797.9	802.1	805.4	803.7	802.9
10°	829.7	831.4	828.1	822.2	827.2	818.0	812.1	815.5	814.6	813.8	815.5
12.5°	854.9	856.5	852.4	847.3	854.0	845.7	839.8	838.9	837.3	836.4	833.9
15°	889.2	890.1	886.7	882.5	892.6	887.6	884.2	873.3	873.3	870.8	871.6
17.5°	930.3	934.5	932.0	932.0	947.9	944.6	930.3	917.7	921.9	916.1	916.1
20°	983.9	982.3	984.8	989.0	1007.4	1002.4	987.3	969.7	974.7	968.9	968.0
22.5°	1046.0	1046.8	1048.5	1051.8	1078.6	1069.4	1053.5	1039.3	1038.4	1035.1	1035.9
25°	1118.9	1118.0	1113.0	1125.6	1155.8	1146.5	1127.3	1117.2	1118.9	1118.9	1119.7
27.5°	1192.6	1186.8	1185.1	1185.9	1244.6	1239.6	1209.4	1191.0	1194.3	1201.0	1203.5
30°	1266.4	1264.7	1260.5	1255.5	1322.5	1340.1	1286.5	1275.6	1279.8	1290.7	1293.2
32.5°	1366.1	1361.9	1357.7	1345.2	1387.9	1443.2	1374.5	1377.0	1388.8	1405.5	1408.0
35°	1476.8	1477.6	1465.9	1455.0	1479.3	1527.0	1493.5	1496.9	1522.8	1545.5	1551.3
37.5°	1611.7	1614.2	1594.9	1572.3	1594.1	1644.4	1621.7	1656.9	1722.3	1759.2	1774.3
40°	1838.8	1832.9	1804.5	1761.7	1781.8	1849.7	1874.0	1919.3	2009.8	2060.9	2080.2
42.5°	2155.6	2144.7	2107.0	2061.8	2067.6	2126.3	2161.5	2249.5	2346.7	2399.5	2409.6
45°	2458.2	2453.2	2411.2	2330.0	2305.6	2357.6	2402.0	2511.8	2617.4	2672.7	2695.4
47.5°	2798.5	2794.3	2735.6	2630.8	2587.3	2610.7	2640.9	2767.4	2859.6	2920.0	2933.4
50°	3163.0	3153.0	3090.1	2961.9	2880.6	2872.2	2906.6	3014.7	3121.1	3173.9	3169.7
52.5°	3533.5	3529.3	3463.9	3306.3	3199.9	3145.4	3159.7	3251.9	3355.0	3422.0	3426.2
55°	3916.5	3919.8	3846.1	3656.7	3511.7	3415.3	3406.9	3513.4	3616.5	3673.4	3689.4
57.5°	4312.9	4313.8	4220.7	4046.4	3861.2	3734.6	3690.2	3808.4	3905.6	3956.7	3986.1
60°	4682.5	4690.9	4613.8	4470.5	4293.6	4123.5	4051.4	4155.4	4255.9	4328.8	4329.7
62.5°	5104.1	5098.2	5027.0	4910.5	4799.0	4614.6	4480.5	4590.3	4693.4	4758.8	4789.8
65°	5508.1	5518.1	5501.4	5454.4	5389.9	5249.1	5075.6	5225.6	5294.4	5291.0	5321.2
67.5°	5396.6	5442.7	5553.3	5790.5	6035.2	6093.9	5819.0	5492.1	5345.5	5253.3	5223.1
69°	5179.5	5230.7	5426.8	5779.6	6302.6	6564.1	6042.8	5427.6	5201.3	5073.1	5046.3
70°	4986.8	5017.8	5270.9	5720.1	6408.2	6663.8	6110.7	5383.2	5057.2	4901.3	4877.0
72.5°	4395.1	4457.1	4737.8	5404.1	6336.1	6543.1	6085.5	5089.9	4647.3	4395.9	4369.1
75°	3624.0	3686.9	4072.4	4825.0	5932.2	6154.3	5701.7	4563.5	3992.8	3749.7	3699.4
77.5°	2582.2	2628.3	3076.7	3979.4	5246.6	5548.3	5059.7	3821.8	3207.5	2937.6	2873.0
80°	1512.0	1530.4	1973.8	2834.5	4183.9	4732.8	4176.3	2965.2	2292.2	1995.5	1953.6
82.5°	569.1	711.6	1049.3	1752.5	2855.4	3510.8	3079.2	2024.0	1368.6	1061.9	1023.3
85°	173.5	237.2	448.4	868.3	1570.6	2082.7	1937.7	1123.1	568.2	324.3	283.3
87.5°	30.2	38.6	103.1	279.1	580.0	585.8	454.3	206.2	41.1	15.1	14.2
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)