

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: P510974

Luminaire Tested: **PRV-P-C20-D-UNV-T1-7050**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510974  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C20-D-UNV-T1-7050  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1300mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

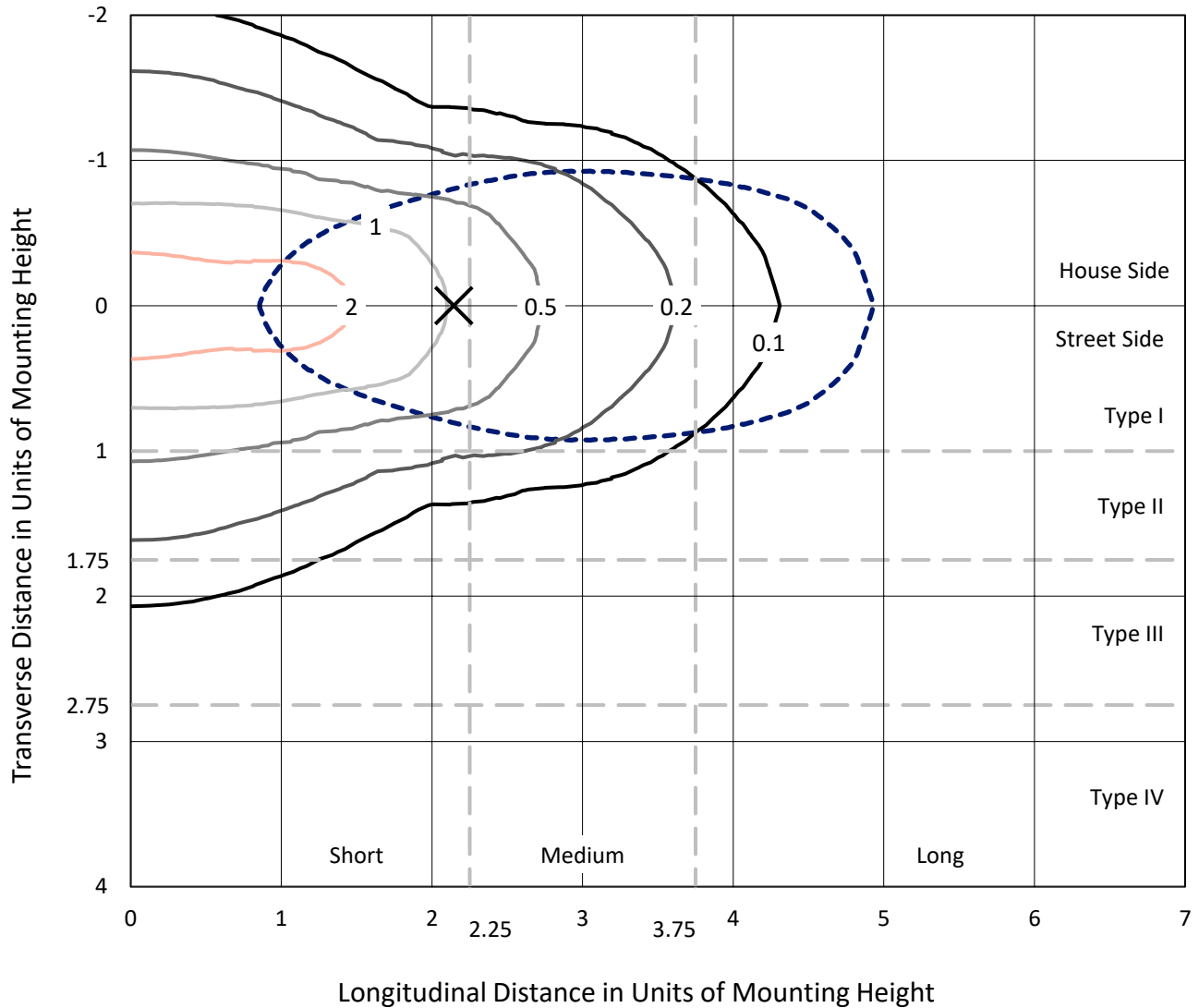
Lumens per Lamp: N/A  
Luminaire Lumens: 10498 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): 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

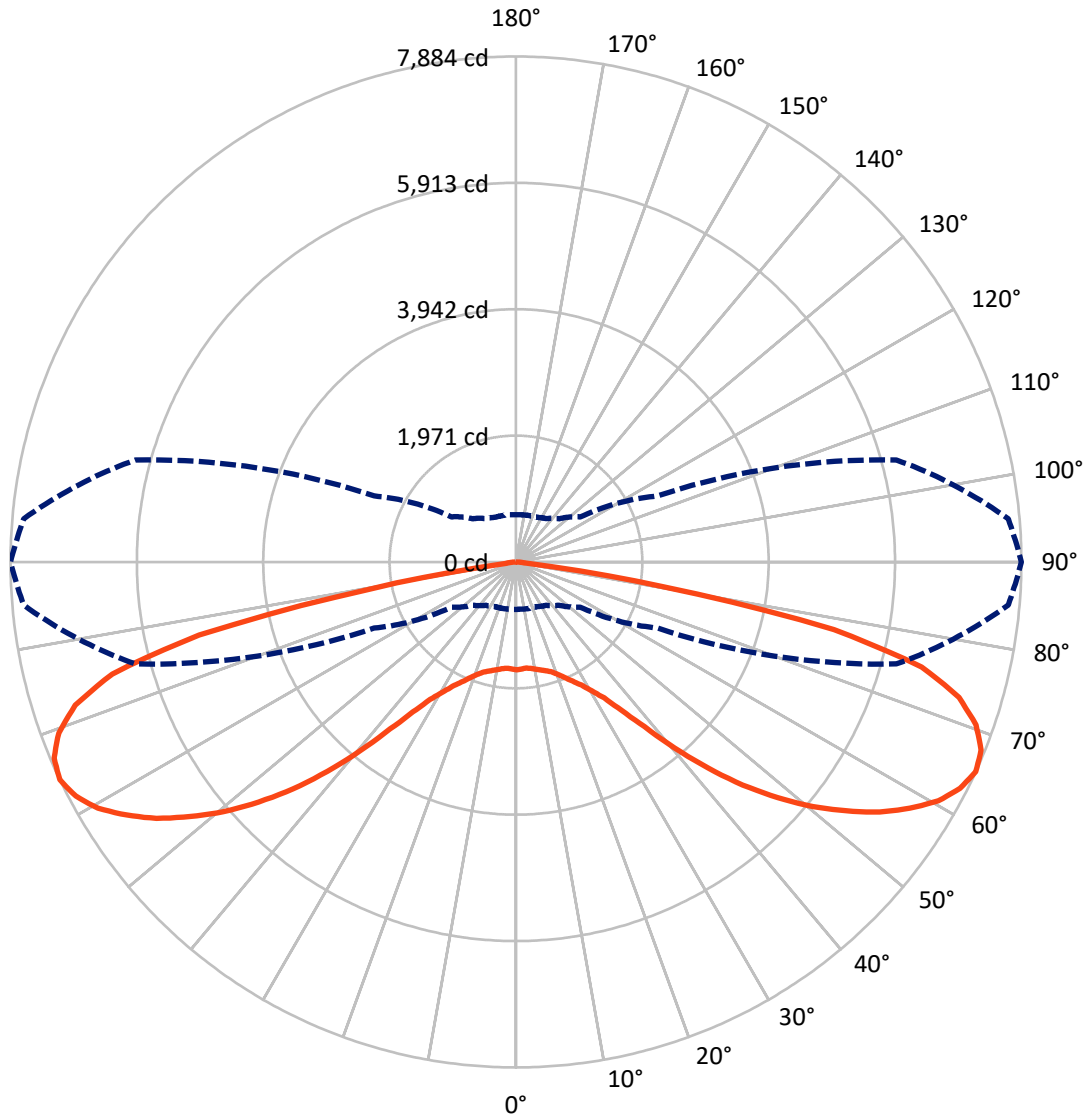
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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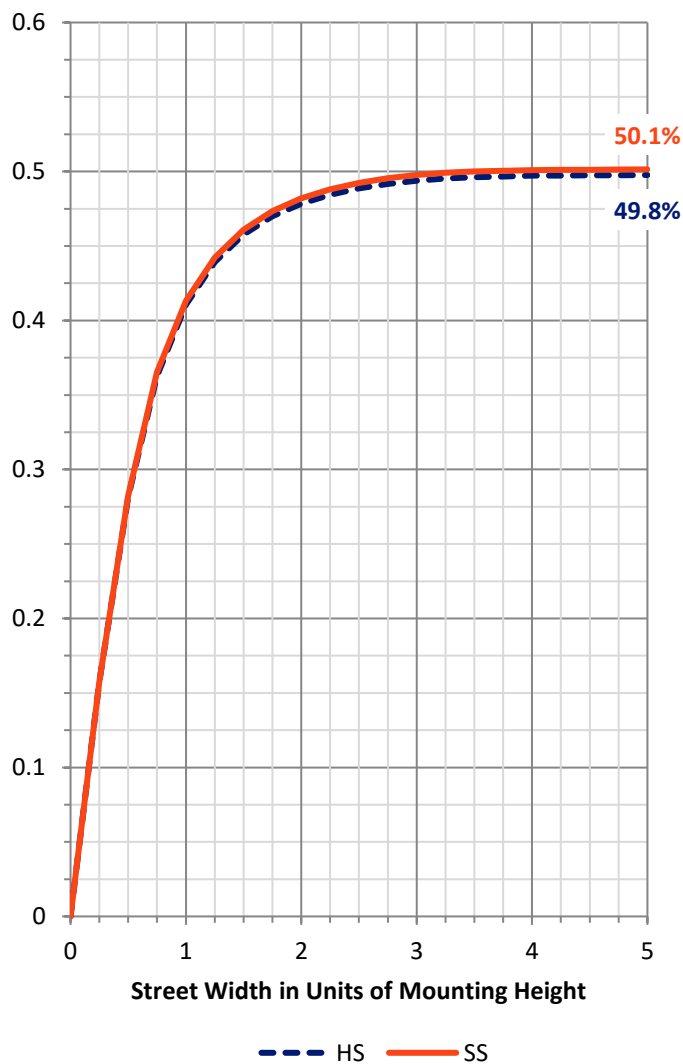
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5249.0	0.0	5249.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5249.0	0.0	5249.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10498.0	0.0	10498.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.5	1.5
10°-20°	478.0	4.6
20°-30°	793.5	7.6
30°-40°	1165.4	11.1
40°-50°	1713.1	16.3
50°-60°	2234.1	21.3
60°-70°	2347.5	22.4
70°-80°	1500.3	14.3
80°-90°	106.7	1.0
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°	10498.0	100.0
0°-180°	10498.0	100.0

**Coefficient of Utilization**

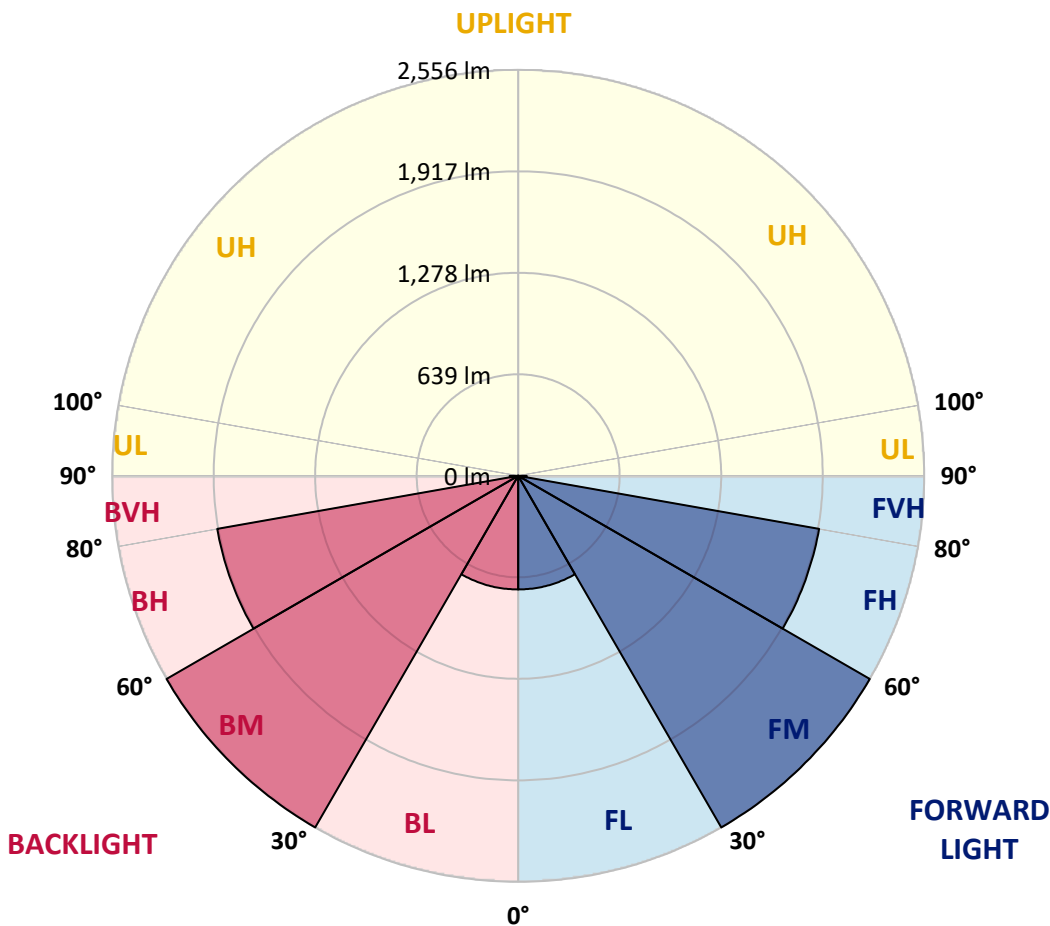


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.5	6.8			
FM (30°-60°)	2556.3	24.4			
FH (60°-80°)	1923.9	18.3			G2/5000
FVH (80°-90°)	53.4	0.5			G1/100
BL (0°-30°)	715.5	6.8	B2/1000		
BM (30°-60°)	2556.3	24.4	B3/5000		
BH (60°-80°)	1923.9	18.3	B3/2500		G3/2500
BVH (80°-90°)	53.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2
2.5°	1683.2	1679.2	1679.2	1677.1	1677.1	1677.1	1675.1	1673.0	1671.0	1669.0	1671.0
5°	1664.9	1662.8	1664.9	1666.9	1664.9	1664.9	1662.8	1662.8	1662.8	1660.8	1662.8
7.5°	1662.8	1662.8	1662.8	1662.8	1666.9	1666.9	1666.9	1671.0	1671.0	1675.1	1675.1
10°	1664.9	1662.8	1664.9	1666.9	1671.0	1675.1	1683.2	1691.4	1695.5	1701.6	1701.6
12.5°	1642.5	1642.5	1644.5	1654.7	1666.9	1677.1	1693.4	1709.7	1724.0	1728.1	1728.1
15°	1616.0	1618.0	1620.1	1634.3	1660.8	1685.3	1705.6	1728.1	1752.5	1758.6	1760.7
17.5°	1577.3	1579.3	1585.4	1611.9	1652.7	1693.4	1730.1	1760.7	1785.1	1797.3	1801.4
20°	1520.2	1522.2	1532.4	1579.3	1640.4	1701.6	1756.6	1799.4	1842.2	1864.6	1870.7
22.5°	1455.0	1455.0	1479.4	1542.6	1618.0	1701.6	1781.0	1848.3	1921.6	1954.3	1958.3
25°	1373.5	1377.6	1422.4	1495.7	1593.6	1701.6	1815.7	1917.6	2001.1	2046.0	2060.2
27.5°	1308.3	1306.2	1357.2	1448.9	1569.1	1705.6	1850.3	1988.9	2111.2	2168.2	2174.3
30°	1232.9	1236.9	1300.1	1406.1	1552.8	1715.8	1893.1	2064.3	2227.3	2317.0	2333.3
32.5°	1179.9	1184.0	1243.1	1357.2	1530.4	1726.0	1942.0	2160.1	2372.0	2496.3	2526.9
35°	1131.0	1135.1	1192.1	1310.3	1497.8	1732.1	1997.0	2282.3	2569.7	2789.8	2838.7
37.5°	1088.2	1094.3	1143.2	1261.4	1459.1	1738.2	2054.1	2429.1	2818.3	3179.0	3258.4
40°	1053.5	1055.6	1104.5	1204.3	1418.3	1736.2	2113.2	2573.7	3121.9	3664.0	3812.7
42.5°	1027.1	1029.1	1065.8	1159.5	1369.4	1717.9	2172.3	2722.5	3474.5	4238.6	4391.5
45°	996.5	998.5	1035.2	1116.7	1314.4	1691.4	2215.1	2863.1	3853.5	4766.4	4964.1
47.5°	970.0	974.1	1008.7	1086.1	1261.4	1640.4	2235.5	2997.6	4230.5	5286.1	5491.9
50°	955.7	955.7	984.3	1053.5	1206.4	1554.8	2215.1	3113.8	4619.7	5773.1	5999.3
52.5°	937.4	931.3	957.8	1014.8	1153.4	1463.1	2137.7	3195.3	5008.9	6239.8	6447.6
55°	904.8	904.8	927.2	974.1	1102.5	1365.3	1997.0	3219.7	5379.8	6639.2	6887.8
57.5°	864.0	868.1	888.5	929.2	1043.4	1269.6	1813.6	3140.3	5709.9	7024.3	7246.4
60°	831.4	831.4	847.7	882.4	978.1	1173.8	1616.0	3005.8	5989.1	7350.4	7568.4
62.5°	790.7	792.7	807.0	833.5	908.9	1069.8	1422.4	2740.8	6148.1	7578.6	7776.3
65°	739.7	737.7	751.9	768.3	825.3	953.7	1226.8	2439.3	6144.0	7709.0	7884.3
67.5°	674.5	674.5	684.7	696.9	733.6	837.5	1061.7	2196.8	5909.6	7666.2	7825.2
70°	599.1	597.1	605.2	607.3	635.8	717.3	894.6	1997.0	5312.6	7419.6	7613.2
72.5°	470.7	480.9	495.2	507.4	533.9	582.8	743.8	1803.5	4446.5	6924.5	7226.1
75°	71.3	65.2	118.2	238.4	399.4	448.3	597.1	1548.7	3649.7	5974.8	6535.2
77.5°	20.4	22.4	28.5	32.6	38.7	232.3	438.1	1222.7	2901.8	4607.5	5072.1
80°	16.3	18.3	22.4	26.5	32.6	34.6	132.5	766.2	1485.6	2335.3	2325.1
82.5°	12.2	12.2	16.3	18.3	22.4	26.5	65.2	201.7	252.7	191.6	152.8
85°	8.2	6.1	10.2	12.2	12.2	18.3	24.5	28.5	24.5	79.5	99.9
87.5°	4.1	4.1	6.1	6.1	8.2	8.2	8.2	8.2	12.2	32.6	40.8
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)