

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: P510976

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510976
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
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10309 lumens
Efficiency: N/A
Efficacy: 141.6 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

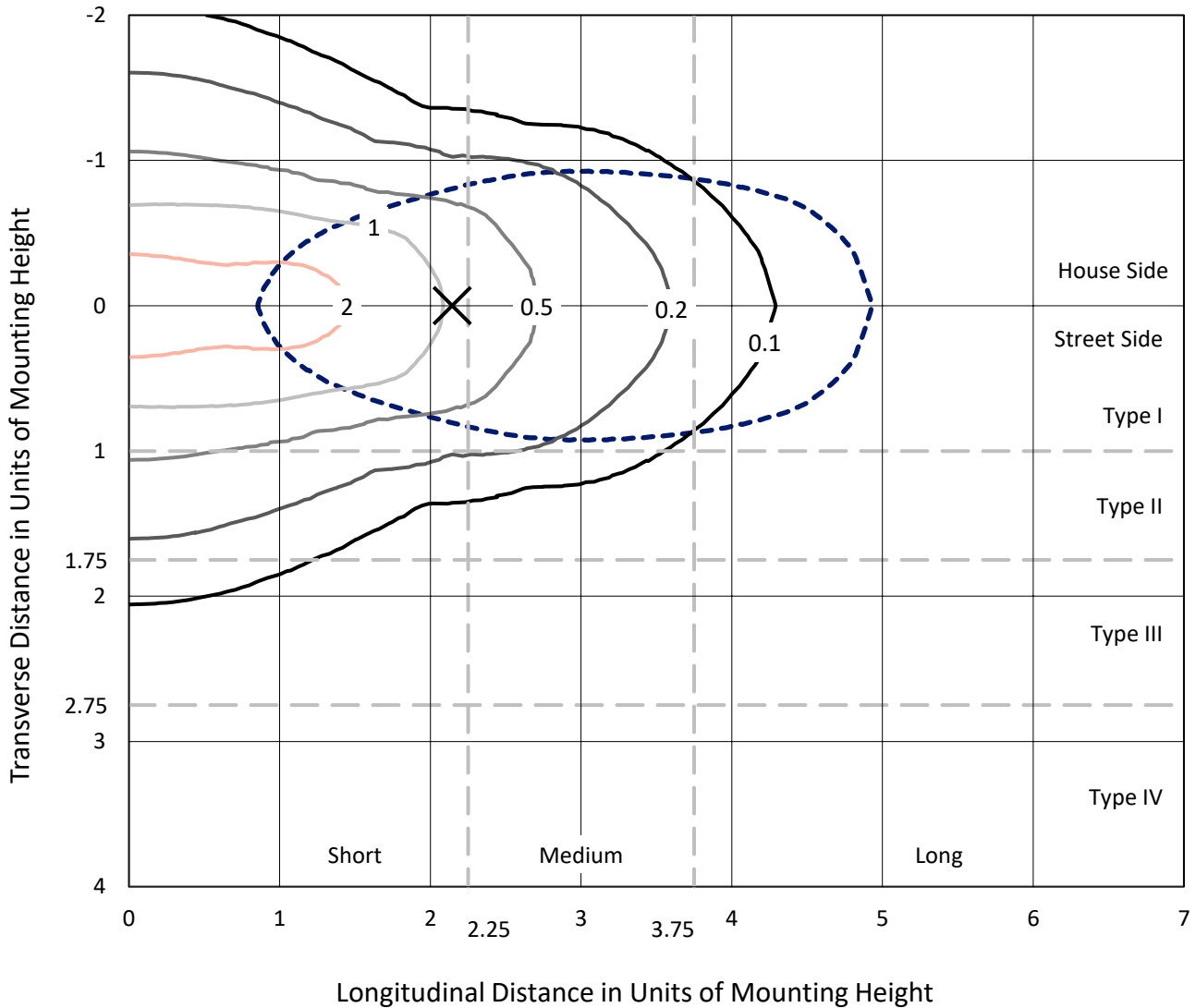
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

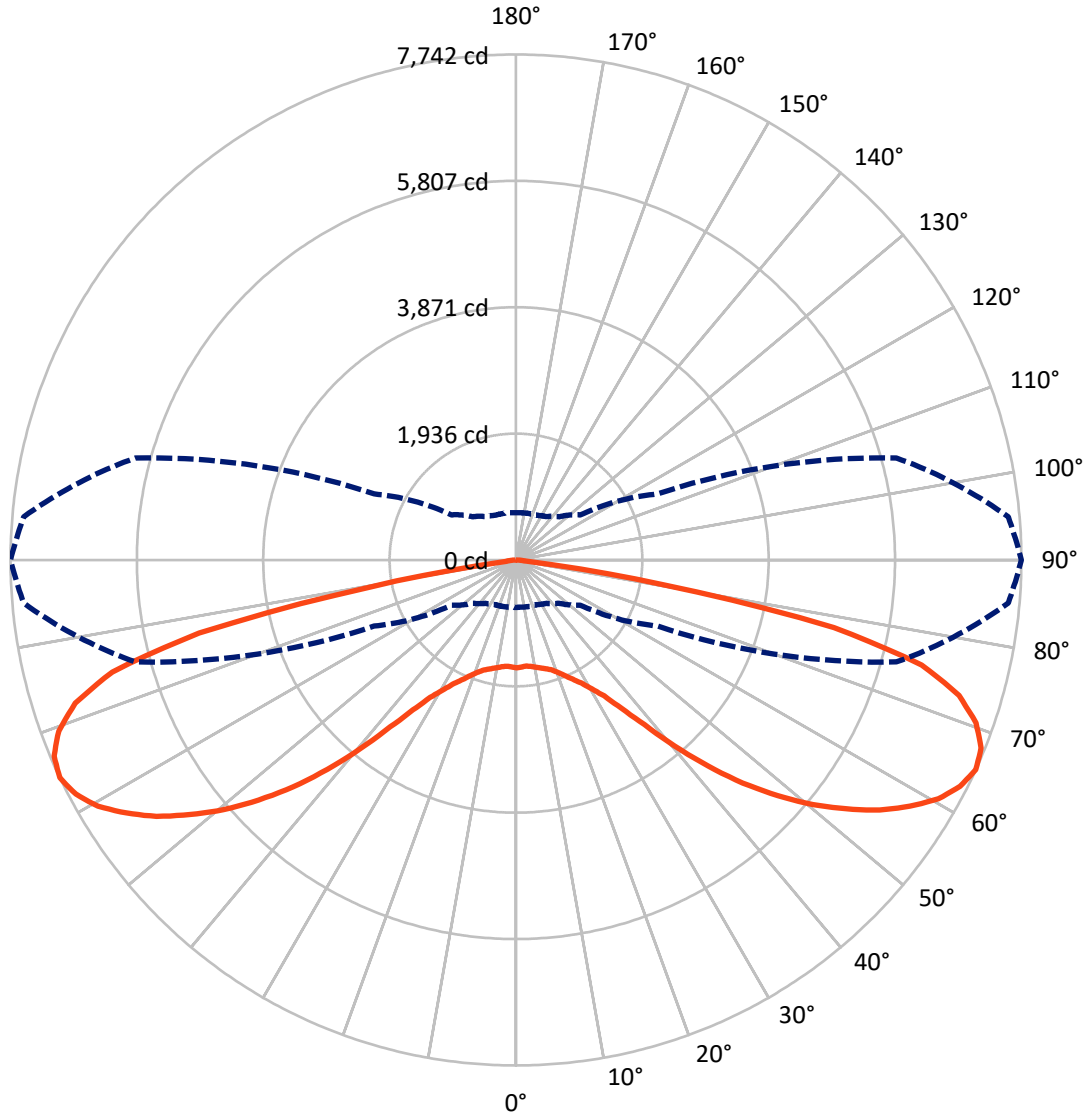
✕ Max cd
 - - - 1/2 Max cd



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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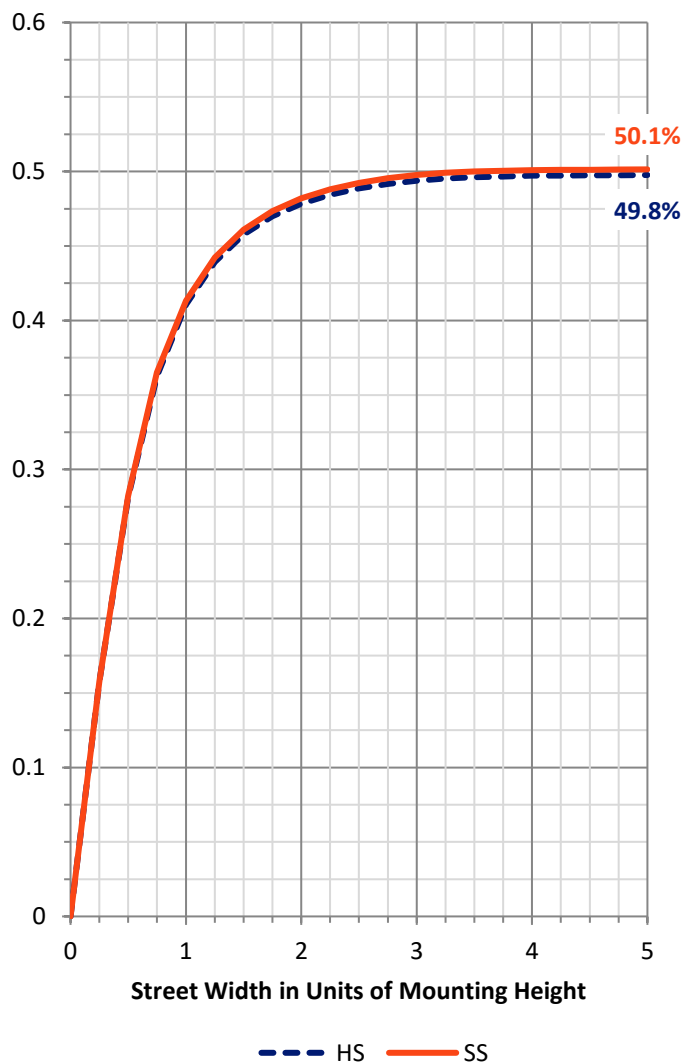
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5154.5	0.0	5154.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5154.5	0.0	5154.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10309.0	0.0	10309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.5
10°-20°	469.4	4.6
20°-30°	779.2	7.6
30°-40°	1144.4	11.1
40°-50°	1682.3	16.3
50°-60°	2193.8	21.3
60°-70°	2305.2	22.4
70°-80°	1473.3	14.3
80°-90°	104.8	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°	10309.0	100.0
0°-180°	10309.0	100.0

Coefficient of Utilization



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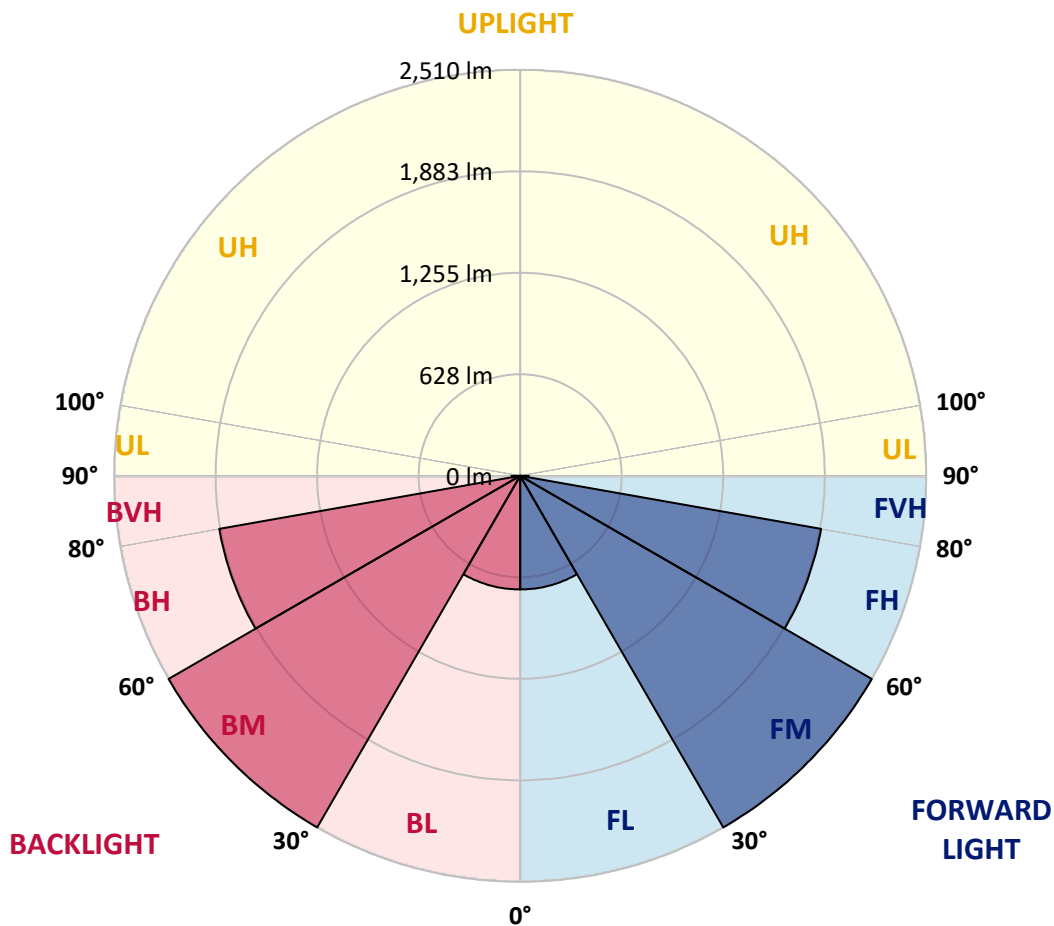
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.6	6.8			
FM (30°-60°)	2510.3	24.4			
FH (60°-80°)	1889.2	18.3			G2/5000
FVH (80°-90°)	52.4	0.5			G1/100
BL (0°-30°)	702.6	6.8	B2/1000		
BM (30°-60°)	2510.3	24.4	B3/5000		
BH (60°-80°)	1889.2	18.3	B3/2500		G3/2500
BVH (80°-90°)	52.4	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°	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9	1652.9
2.5°	1652.9	1648.9	1648.9	1646.9	1646.9	1646.9	1644.9	1642.9	1640.9	1638.9	1640.9
5°	1634.9	1632.9	1634.9	1636.9	1634.9	1634.9	1632.9	1632.9	1632.9	1630.9	1632.9
7.5°	1632.9	1632.9	1632.9	1632.9	1636.9	1636.9	1636.9	1640.9	1640.9	1644.9	1644.9
10°	1634.9	1632.9	1634.9	1636.9	1640.9	1644.9	1652.9	1660.9	1664.9	1670.9	1670.9
12.5°	1612.9	1612.9	1614.9	1624.9	1636.9	1646.9	1662.9	1678.9	1692.9	1696.9	1696.9
15°	1586.9	1588.9	1590.9	1604.9	1630.9	1654.9	1674.9	1696.9	1721.0	1727.0	1729.0
17.5°	1548.9	1550.9	1556.9	1582.9	1622.9	1662.9	1698.9	1729.0	1753.0	1765.0	1769.0
20°	1492.8	1494.8	1504.8	1550.9	1610.9	1670.9	1725.0	1767.0	1809.0	1831.0	1837.0
22.5°	1428.8	1428.8	1452.8	1514.8	1588.9	1670.9	1749.0	1815.0	1887.1	1919.1	1923.1
25°	1348.8	1352.8	1396.8	1468.8	1564.9	1670.9	1783.0	1883.1	1965.1	2009.1	2023.1
27.5°	1284.7	1282.7	1332.7	1422.8	1540.9	1674.9	1817.0	1953.1	2073.2	2129.2	2135.2
30°	1210.7	1214.7	1276.7	1380.8	1524.9	1684.9	1859.0	2027.1	2187.2	2275.3	2291.3
32.5°	1158.6	1162.6	1220.7	1332.7	1502.8	1694.9	1907.1	2121.2	2329.3	2451.4	2481.4
35°	1110.6	1114.6	1170.7	1286.7	1470.8	1700.9	1961.1	2241.3	2523.4	2739.5	2787.6
37.5°	1068.6	1074.6	1122.6	1238.7	1432.8	1707.0	2017.1	2385.3	2767.5	3121.7	3199.8
40°	1034.6	1036.6	1084.6	1182.7	1392.8	1705.0	2075.2	2527.4	3065.7	3598.0	3744.1
42.5°	1008.6	1010.6	1046.6	1138.6	1344.8	1686.9	2133.2	2673.5	3411.9	4162.3	4312.4
45°	978.5	980.5	1016.6	1096.6	1290.7	1660.9	2175.2	2811.6	3784.1	4680.6	4874.7
47.5°	952.5	956.5	990.6	1066.6	1238.7	1610.9	2195.2	2943.6	4154.3	5190.9	5393.0
50°	938.5	938.5	966.5	1034.6	1184.7	1526.9	2175.2	3057.7	4536.5	5669.2	5891.3
52.5°	920.5	914.5	940.5	996.6	1132.6	1436.8	2099.2	3137.8	4918.7	6127.4	6331.5
55°	888.5	888.5	910.5	956.5	1082.6	1340.7	1961.1	3161.8	5282.9	6519.6	6763.8
57.5°	848.5	852.5	872.5	912.5	1024.6	1246.7	1781.0	3083.7	5607.1	6897.8	7116.0
60°	816.5	816.5	832.5	866.5	960.5	1152.6	1586.9	2951.6	5881.3	7218.0	7432.1
62.5°	776.4	778.4	792.4	818.5	892.5	1050.6	1396.8	2691.5	6037.4	7442.2	7636.3
65°	726.4	724.4	738.4	754.4	810.5	936.5	1204.7	2395.3	6033.4	7570.2	7742.3
67.5°	662.4	662.4	672.4	684.4	720.4	822.5	1042.6	2157.2	5803.2	7528.2	7684.3
70°	588.3	586.3	594.3	596.3	624.3	704.4	878.5	1961.1	5216.9	7286.1	7476.2
72.5°	462.3	472.3	486.3	498.3	524.3	572.3	730.4	1771.0	4366.4	6799.8	7096.0
75°	70.0	64.0	116.1	234.1	392.2	440.2	586.3	1520.8	3584.0	5867.3	6417.6
77.5°	20.0	22.0	28.0	32.0	38.0	228.1	430.2	1200.7	2849.6	4524.5	4980.8
80°	16.0	18.0	22.0	26.0	32.0	34.0	130.1	752.4	1458.8	2293.3	2283.3
82.5°	12.0	12.0	16.0	18.0	22.0	26.0	64.0	198.1	248.1	188.1	150.1
85°	8.0	6.0	10.0	12.0	12.0	18.0	24.0	28.0	24.0	78.0	98.1
87.5°	4.0	4.0	6.0	6.0	8.0	8.0	8.0	8.0	12.0	32.0	40.0
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)