

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: P233626

Luminaire Tested: **VRDN-C01-D-UNV-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: VRDN-C01-D-UNV-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1230mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7095 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

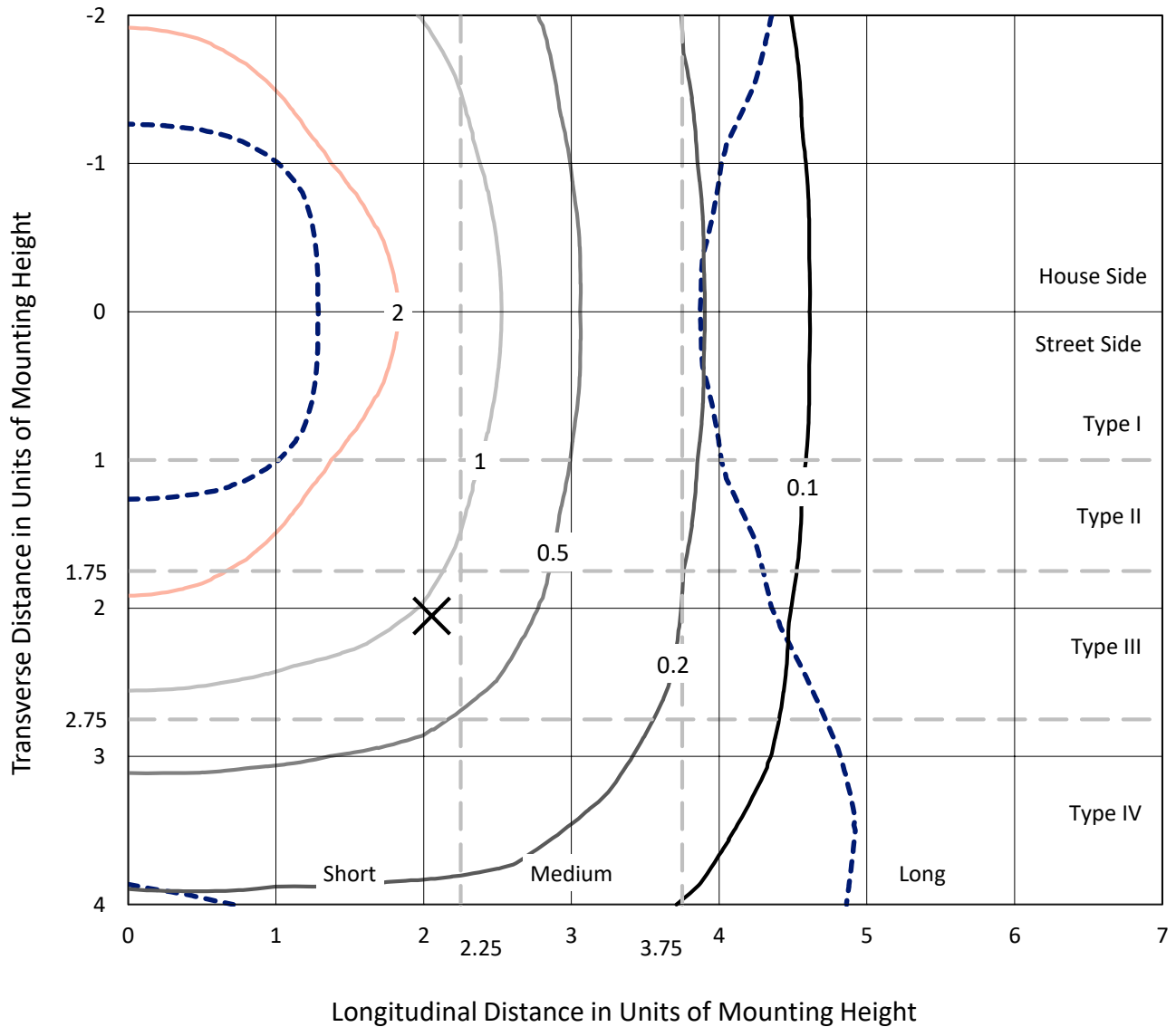
Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

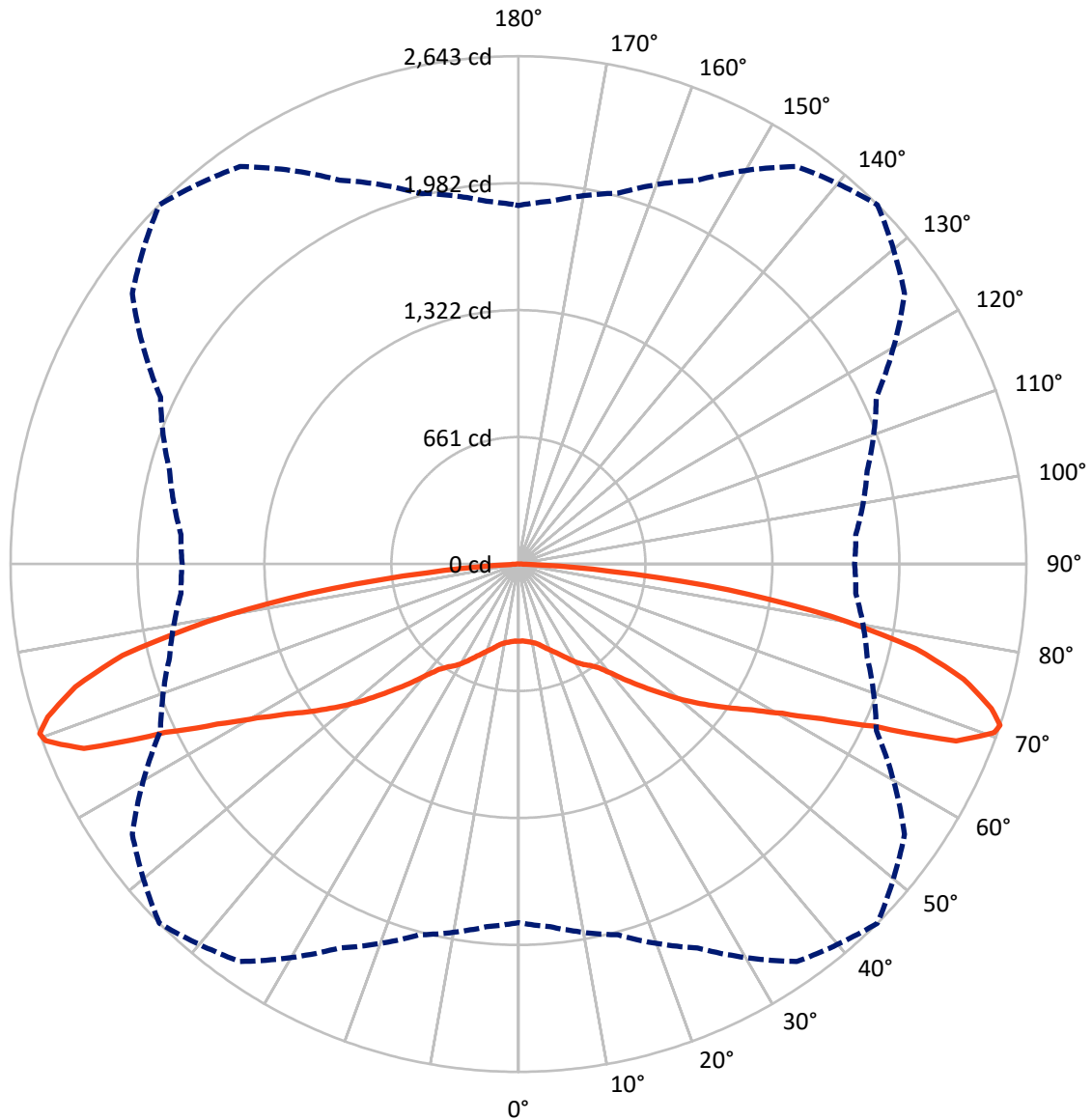
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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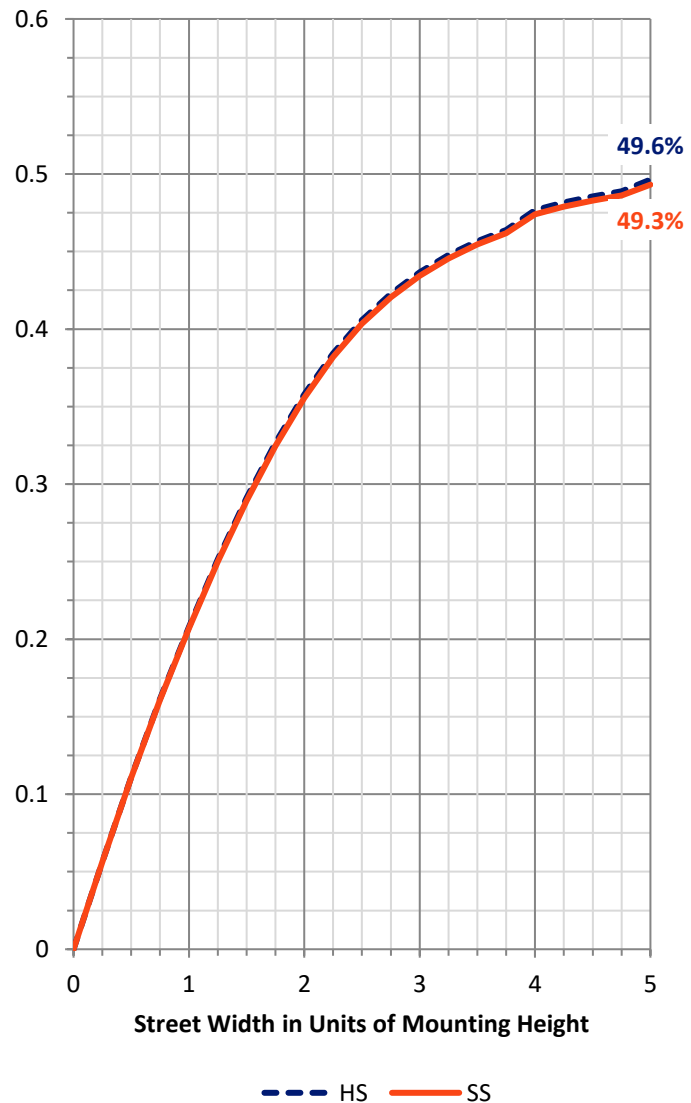
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3547.5	0.0	3547.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3547.5	0.0	3547.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7095.0	0.0	7095.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	0.6
10°-20°	125.4	1.8
20°-30°	241.8	3.4
30°-40°	408.9	5.8
40°-50°	743.6	10.5
50°-60°	1268.4	17.9
60°-70°	2033.8	28.7
70°-80°	1849.3	26.1
80°-90°	384.7	5.4
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°	7095.0	100.0
0°-180°	7095.0	100.0



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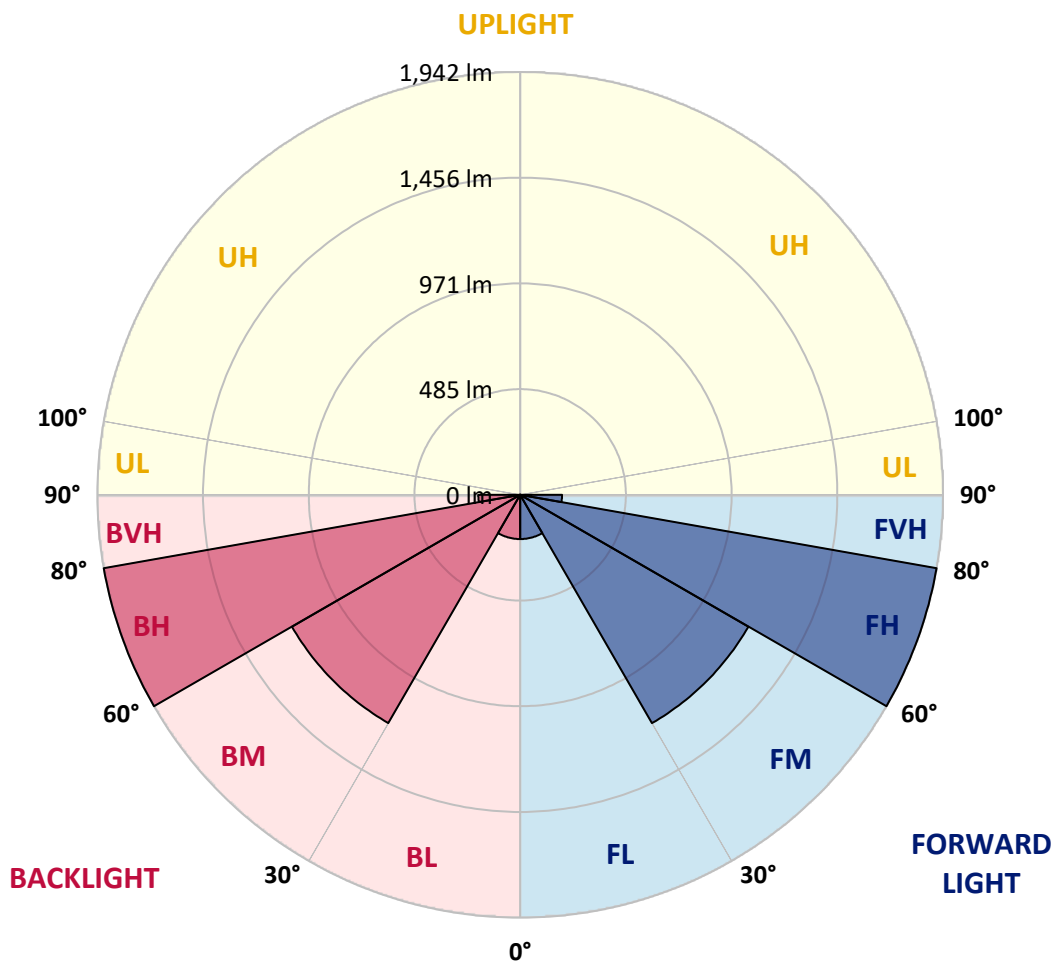
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.1	2.9			
FM	(30°-60°)	1210.4	17.1			
FH	(60°-80°)	1941.6	27.4			G2/5000
FVH	(80°-90°)	192.4	2.7			G2/225
BL	(0°-30°)	203.1	2.9	B1/500		
BM	(30°-60°)	1210.4	17.1	B2/2500		
BH	(60°-80°)	1941.6	27.4	B3/2500		G2/5000
BVH	(80°-90°)	192.4	2.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0
2.5°	405.8	405.8	405.1	402.0	402.6	400.7	399.5	400.1	400.7	400.7	400.1
5°	408.9	408.9	408.3	405.8	406.4	404.5	403.9	404.5	405.8	407.0	405.8
7.5°	415.3	414.6	413.4	410.8	410.8	409.6	408.3	408.9	410.2	410.8	410.2
10°	422.2	421.6	419.7	417.1	417.1	415.9	413.4	413.4	413.4	412.7	412.1
12.5°	429.8	429.2	427.3	424.7	426.6	424.7	422.8	422.2	420.3	419.0	418.4
15°	441.8	441.2	439.3	437.4	442.4	439.9	436.7	433.6	432.3	431.1	429.8
17.5°	456.3	455.7	454.4	453.2	459.5	459.5	453.8	448.1	448.8	446.9	445.6
20°	473.4	472.8	471.5	472.8	479.7	479.1	471.5	464.6	467.1	463.3	462.0
22.5°	494.9	493.6	491.7	493.6	503.7	501.8	492.4	486.0	487.9	486.0	484.8
25°	518.3	515.7	513.2	515.7	532.2	528.4	518.9	511.3	515.1	513.9	513.2
27.5°	541.0	538.5	536.6	534.7	560.0	559.4	546.7	539.1	543.6	544.2	544.8
30°	563.2	562.5	559.4	556.8	584.0	592.9	571.4	568.2	571.4	575.2	576.4
32.5°	592.9	591.6	588.4	584.0	602.3	623.8	599.8	602.3	607.4	615.0	614.3
35°	632.7	629.5	625.1	620.7	632.0	649.1	638.4	643.4	652.3	661.1	659.9
37.5°	675.0	674.4	670.0	659.2	671.9	687.0	683.9	693.4	708.5	726.2	723.7
40°	735.7	736.3	726.8	712.9	723.7	748.3	751.5	771.1	797.6	822.9	823.6
42.5°	831.1	829.2	822.3	802.7	809.6	828.0	843.1	873.5	906.3	932.3	936.1
45°	949.3	946.8	932.9	901.9	900.0	913.3	935.4	974.6	1014.4	1039.7	1041.6
47.5°	1084.6	1075.7	1054.2	1013.8	999.3	1005.6	1028.3	1071.9	1113.0	1140.8	1138.9
50°	1217.9	1218.6	1192.7	1139.6	1110.5	1110.5	1123.8	1169.3	1211.0	1236.9	1237.5
52.5°	1368.4	1362.7	1337.4	1273.6	1226.2	1212.9	1217.3	1260.3	1303.3	1331.1	1331.1
55°	1520.1	1514.4	1489.7	1418.9	1357.6	1319.1	1314.6	1355.1	1401.9	1428.4	1431.6
57.5°	1676.2	1672.4	1646.5	1569.4	1492.9	1431.6	1421.5	1467.6	1516.9	1543.4	1545.3
60°	1838.6	1833.6	1807.6	1747.6	1654.1	1576.9	1558.0	1604.8	1663.5	1698.3	1696.4
62.5°	2027.6	2021.3	2001.0	1923.9	1857.6	1774.1	1736.9	1790.6	1860.7	1901.2	1904.3
65°	2179.3	2181.8	2200.8	2189.4	2127.5	2036.4	1999.2	2085.1	2125.6	2132.5	2127.5
67.5°	2139.5	2148.9	2190.7	2284.8	2396.7	2456.8	2310.1	2207.1	2130.0	2085.1	2078.8
70°	1967.5	1974.5	2074.4	2228.6	2525.0	2627.4	2442.2	2106.6	1944.8	1875.3	1867.1
71°	1866.4	1894.9	1997.9	2204.6	2525.6	2643.2	2453.0	2055.4	1879.7	1762.8	1750.1
72.5°	1712.2	1736.9	1866.4	2114.2	2489.0	2574.9	2339.2	1935.3	1731.8	1634.5	1602.2
75°	1396.2	1441.7	1556.1	1882.2	2321.5	2393.5	2135.7	1707.1	1489.1	1383.5	1375.3
77.5°	992.9	1023.9	1197.1	1549.1	2046.6	2114.2	1887.9	1435.4	1204.7	1106.7	1096.0
80°	551.8	582.7	765.4	1089.0	1580.1	1648.4	1444.8	1048.6	818.5	714.2	671.2
82.5°	247.1	265.5	400.1	645.3	1013.8	1102.3	877.9	576.4	394.4	279.4	256.6
85°	86.0	95.4	159.3	292.6	518.9	479.1	300.9	144.1	50.6	24.6	22.8
87.5°	16.4	18.3	34.8	81.5	84.7	39.2	12.6	9.5	9.5	10.1	10.1
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)