

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: STREETWORKS

Report Number: P509259

Luminaire Tested: **VERD-CA2-60-730-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-730-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 850mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9639 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

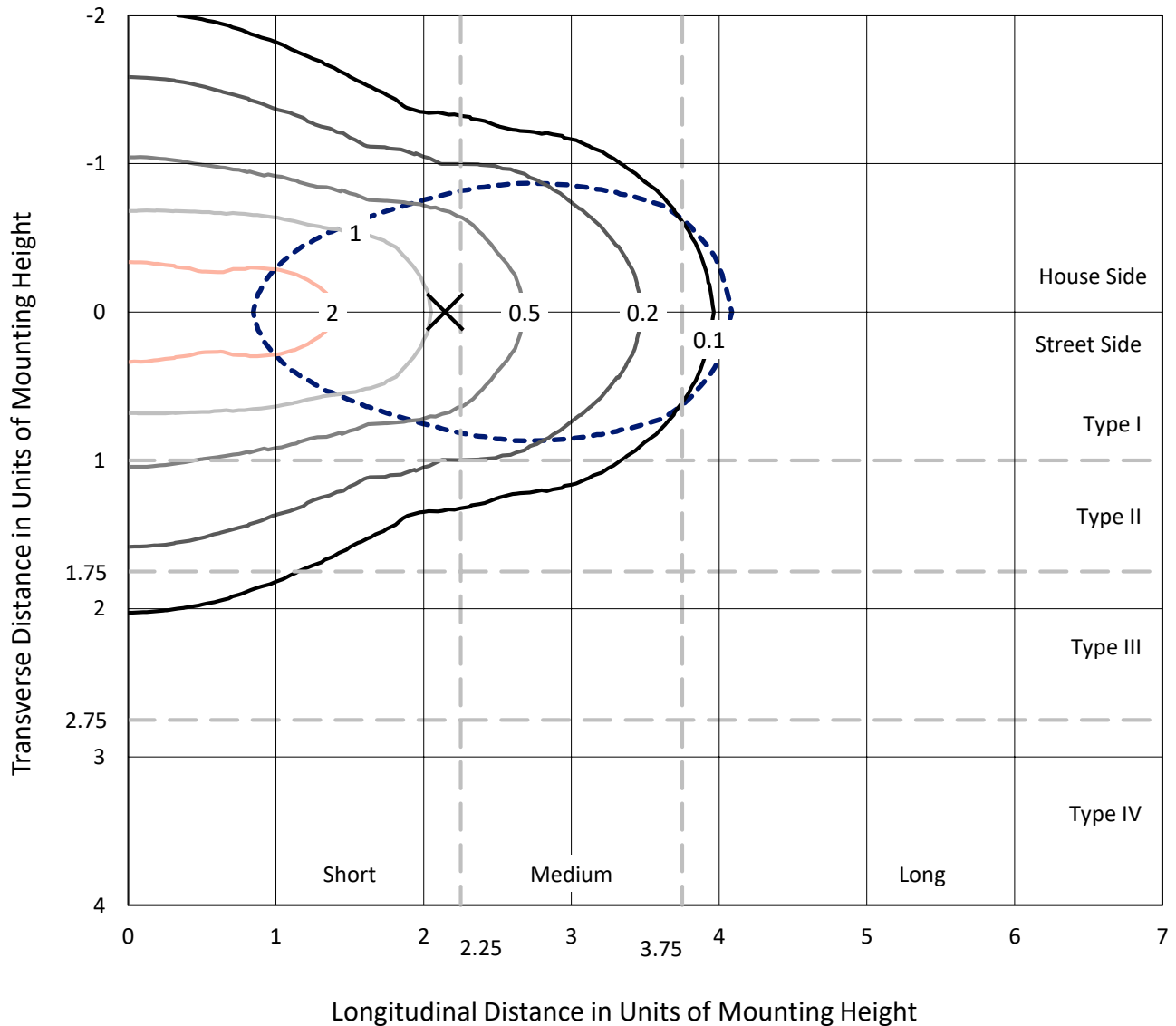
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

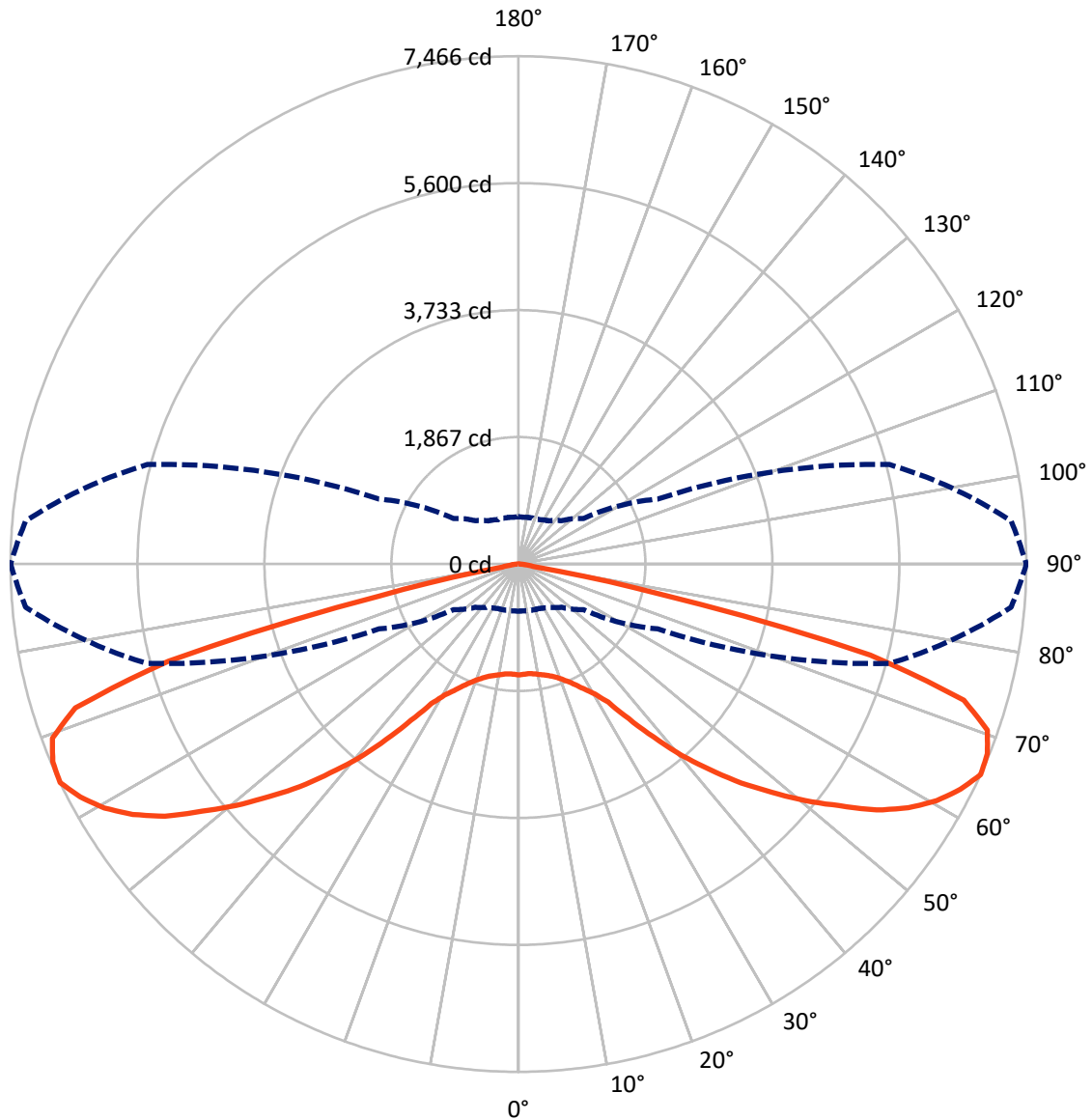
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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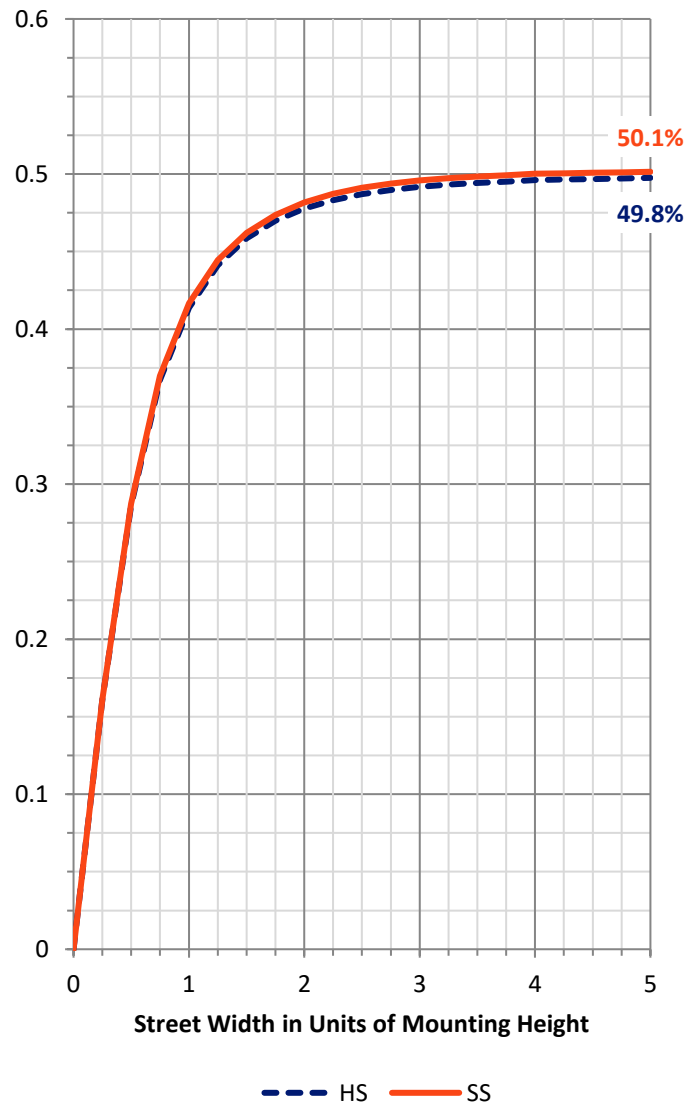
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4819.5	0.0	4819.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4819.5	0.0	4819.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9639.0	0.0	9639.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	1.6
10°-20°	460.7	4.8
20°-30°	760.9	7.9
30°-40°	1123.0	11.7
40°-50°	1634.0	17.0
50°-60°	2091.7	21.7
60°-70°	2187.4	22.7
70°-80°	1180.1	12.2
80°-90°	46.5	0.5
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°	9639.0	100.0
0°-180°	9639.0	100.0



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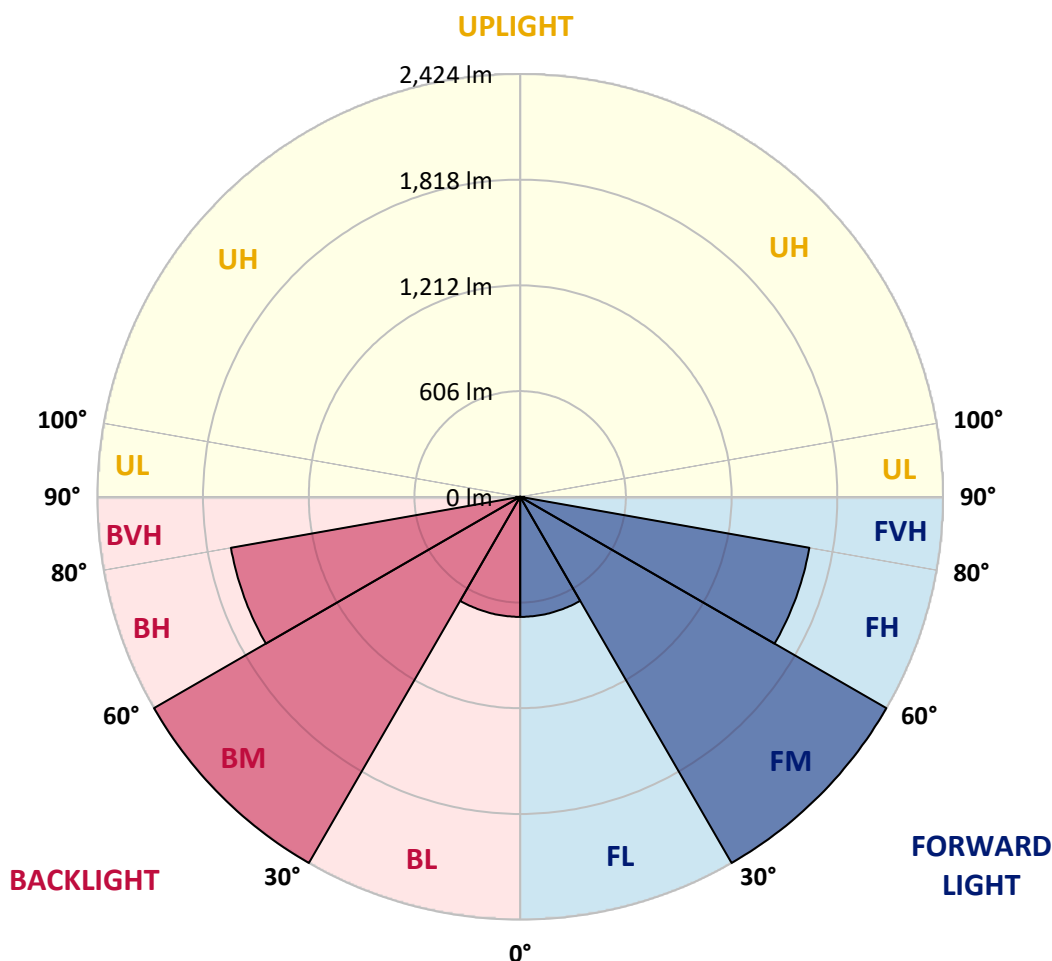
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	688.2	7.1			
FM	(30°-60°)	2424.4	25.2			
FH	(60°-80°)	1683.7	17.5			G1/1800
FVH	(80°-90°)	23.2	0.2			G1/100
BL	(0°-30°)	688.2	7.1	B2/1000		
BM	(30°-60°)	2424.4	25.2	B2/2500		
BH	(60°-80°)	1683.7	17.5	B3/2500		G3/2500
BVH	(80°-90°)	23.2	0.2			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°	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9	1630.9
2.5°	1622.0	1627.9	1630.9	1629.9	1624.0	1624.0	1624.0	1624.0	1622.0	1621.0	1622.0
5°	1610.2	1615.1	1621.0	1618.1	1615.1	1618.1	1618.1	1618.1	1619.1	1619.1	1619.1
7.5°	1600.4	1607.3	1610.2	1614.2	1607.3	1615.1	1626.9	1628.9	1629.9	1629.9	1629.9
10°	1591.6	1597.5	1605.3	1604.3	1607.3	1619.1	1631.8	1646.6	1647.5	1650.5	1650.5
12.5°	1570.0	1577.8	1586.7	1592.6	1596.5	1624.0	1636.7	1655.4	1670.1	1672.1	1673.1
15°	1543.5	1548.4	1558.2	1571.9	1592.6	1622.0	1650.5	1674.1	1697.6	1703.5	1703.5
17.5°	1503.2	1509.1	1522.9	1542.5	1579.8	1627.9	1673.1	1704.5	1734.0	1742.8	1744.8
20°	1448.2	1459.0	1477.7	1512.1	1562.1	1631.8	1697.6	1744.8	1783.0	1802.7	1803.7
22.5°	1382.4	1390.3	1423.7	1472.8	1543.5	1631.8	1723.2	1791.9	1844.9	1875.3	1878.3
25°	1310.8	1317.6	1360.8	1429.6	1519.9	1632.8	1748.7	1843.9	1926.4	1966.7	1970.6
27.5°	1246.0	1252.8	1301.9	1385.4	1499.3	1635.8	1776.2	1907.7	2022.6	2076.6	2087.4
30°	1186.1	1189.0	1245.0	1337.3	1476.7	1637.7	1809.6	1977.5	2123.7	2211.1	2217.0
32.5°	1130.1	1138.0	1190.0	1289.2	1450.2	1640.7	1853.7	2076.6	2285.8	2417.3	2422.2
35°	1080.0	1086.9	1138.9	1240.1	1414.9	1648.5	1901.8	2203.3	2520.4	2750.2	2788.5
37.5°	1039.8	1046.7	1092.8	1188.0	1378.5	1646.6	1964.7	2357.4	2807.1	3170.4	3228.3
40°	1007.4	1015.2	1052.5	1138.9	1330.4	1631.8	2030.5	2524.3	3119.3	3613.2	3699.6
42.5°	979.9	986.8	1019.2	1095.7	1278.4	1608.3	2089.4	2675.6	3420.8	4063.9	4132.6
45°	948.5	956.3	987.7	1059.4	1230.3	1571.9	2128.7	2823.8	3726.1	4492.0	4590.2
47.5°	927.9	932.8	957.3	1024.1	1176.3	1515.0	2135.5	2928.9	4053.1	4944.6	5012.4
50°	909.2	908.2	929.8	988.7	1126.2	1442.3	2099.2	3010.4	4364.3	5366.8	5467.9
52.5°	882.7	883.7	901.3	954.4	1077.1	1357.9	2012.8	3031.0	4684.4	5790.0	5900.0
55°	851.3	854.2	870.9	915.1	1027.0	1274.4	1865.5	2993.7	5029.1	6208.3	6385.0
57.5°	820.8	818.9	835.6	874.8	973.0	1190.0	1697.6	2898.4	5359.9	6648.1	6759.1
60°	785.5	787.4	799.2	831.6	916.1	1100.7	1510.1	2733.5	5582.8	6987.9	7065.4
62.5°	745.2	745.2	756.0	780.6	850.3	1003.5	1330.4	2515.5	5708.5	7164.6	7293.2
65°	694.2	691.2	703.0	720.7	773.7	899.4	1166.4	2259.2	5646.6	7271.6	7466.0
67.5°	639.2	633.3	639.2	647.0	686.3	787.4	1000.5	2027.5	5358.0	7202.9	7436.6
70°	567.5	559.7	562.6	562.6	589.1	656.9	838.5	1831.2	4699.1	6981.0	7312.8
72.5°	464.4	461.5	466.4	462.5	482.1	527.3	695.2	1592.6	3829.2	6448.8	6847.4
75°	282.8	286.7	302.4	329.9	347.6	381.9	508.6	1259.7	2899.4	4865.1	5341.3
77.5°	117.8	131.6	145.3	150.2	169.9	165.9	229.8	571.4	1174.3	1937.2	2097.2
80°	39.3	40.3	89.3	99.2	109.0	89.3	87.4	191.5	335.8	283.8	238.6
82.5°	23.6	25.5	49.1	53.0	46.1	48.1	51.1	64.8	62.8	102.1	115.9
85°	11.8	12.8	21.6	24.5	24.5	29.5	29.5	31.4	35.3	61.9	66.8
87.5°	2.9	2.9	5.9	8.8	9.8	11.8	11.8	13.7	15.7	22.6	26.5
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)