

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: P129310

Luminaire Tested: **VERD-A01-E-U-T5-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P129310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24745)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-A01-E-U-T5-7030-AP
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE V OPTICS, GREY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5726 lumens
Efficiency: N/A
Efficacy: 89.5 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

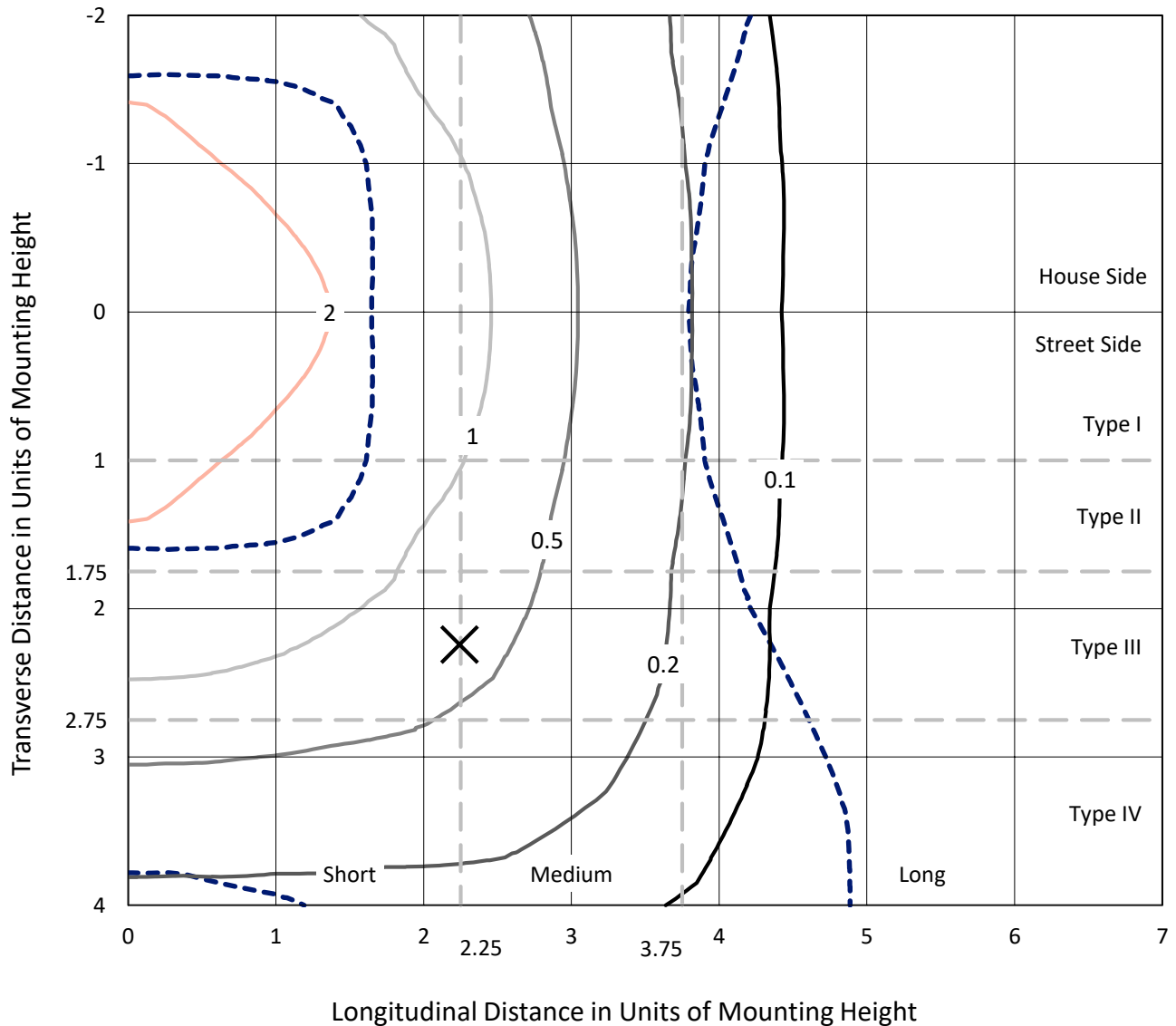
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

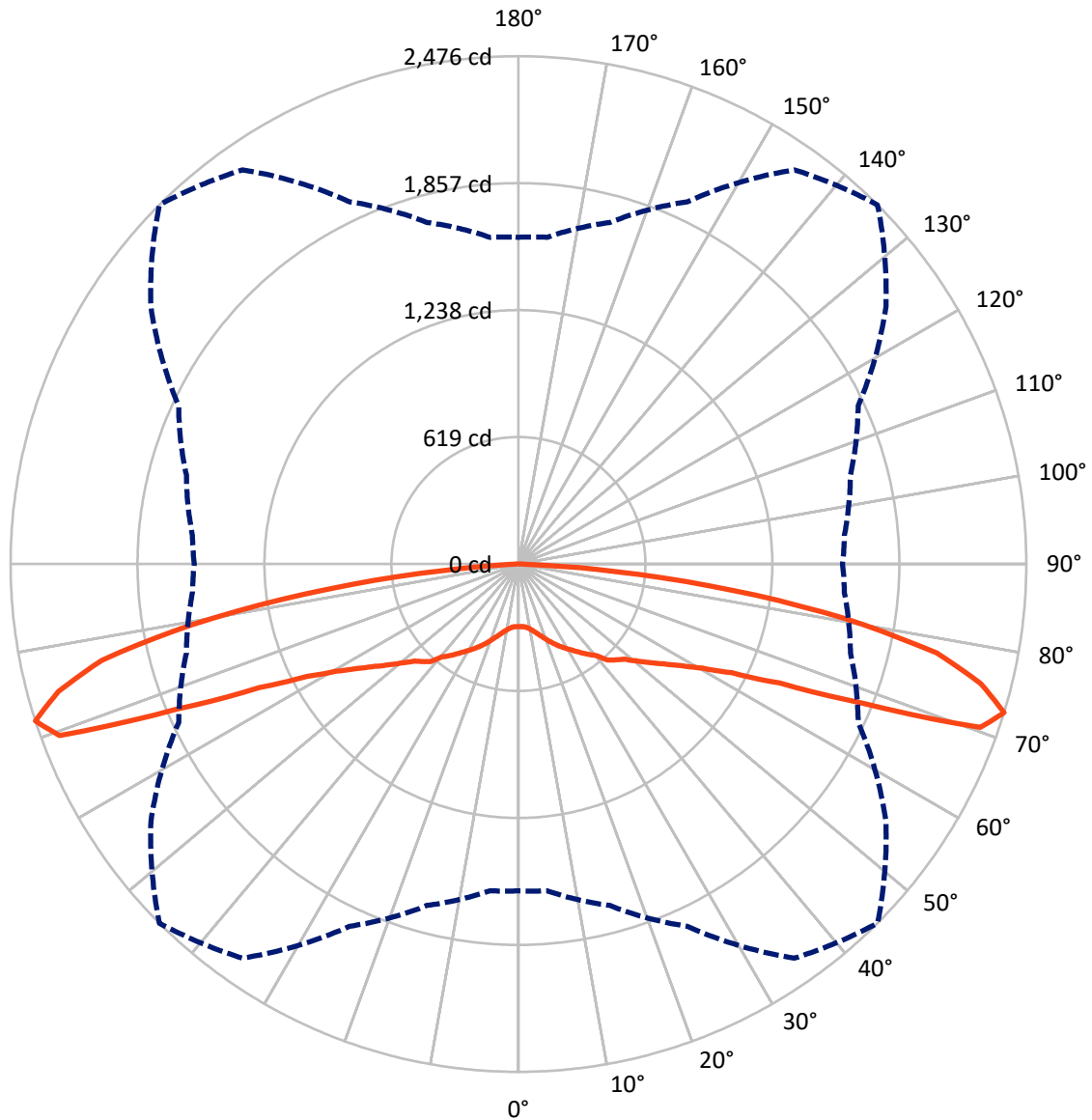
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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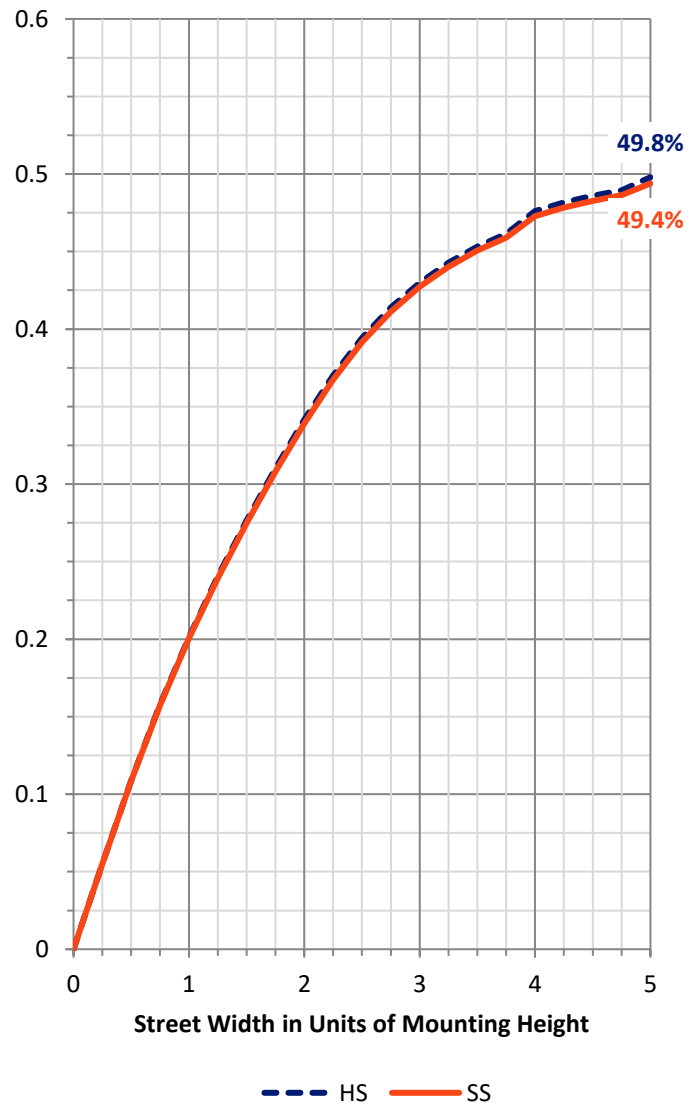
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2863.0	0.0	2863.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2863.0	0.0	2863.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5726.0	0.0	5726.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	0.5
10°-20°	101.5	1.8
20°-30°	202.7	3.5
30°-40°	336.4	5.9
40°-50°	529.2	9.2
50°-60°	866.1	15.1
60°-70°	1626.0	28.4
70°-80°	1705.1	29.8
80°-90°	329.0	5.7
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°	5726.0	100.0
0°-180°	5726.0	100.0



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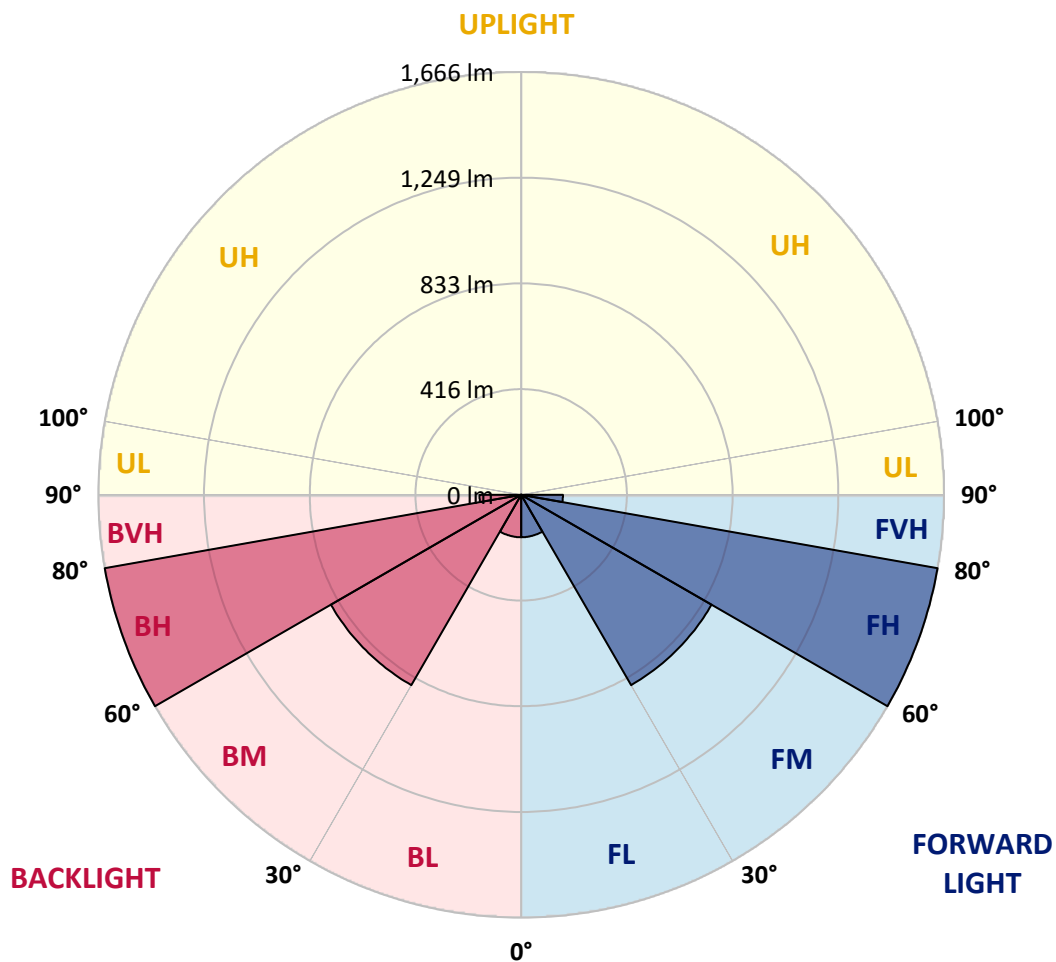
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.1	2.9			
FM	(30°-60°)	865.8	15.1			
FH	(60°-80°)	1665.6	29.1			G1/1800
FVH	(80°-90°)	164.5	2.9			G2/225
BL	(0°-30°)	167.1	2.9	B1/500		
BM	(30°-60°)	865.8	15.1	B1/1000		
BH	(60°-80°)	1665.6	29.1	B3/2500		G1/1800
BVH	(80°-90°)	164.5	2.9			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°	306.1	306.1	306.1	306.1	306.1	306.1	306.1	306.1	306.1	306.1	306.1
2.5°	309.2	309.2	308.0	308.0	305.5	304.9	304.3	303.7	303.7	304.9	305.5
5°	311.1	311.7	311.1	310.4	309.2	307.4	307.4	307.4	307.4	308.0	308.6
7.5°	318.4	319.7	319.0	317.2	315.4	313.5	312.9	313.5	313.5	314.1	313.5
10°	328.9	329.5	327.7	326.4	325.8	323.4	322.7	323.4	322.7	322.1	321.5
12.5°	340.6	341.2	339.9	339.3	338.7	336.3	335.6	336.9	335.6	335.0	334.4
15°	353.5	354.1	354.7	354.1	354.7	353.5	352.9	352.2	350.4	349.8	351.0
17.5°	369.5	370.7	371.9	372.5	373.1	371.9	370.7	370.7	368.2	368.2	368.8
20°	390.4	391.6	391.0	392.8	395.3	393.4	390.4	389.7	387.9	387.3	387.9
22.5°	413.1	413.7	411.9	413.1	416.2	415.6	411.3	409.4	409.4	408.8	408.2
25°	436.5	437.7	435.8	434.0	437.1	437.7	434.0	432.2	434.0	433.4	432.2
27.5°	459.8	460.4	458.6	456.7	458.0	459.8	457.4	455.5	459.8	458.6	456.7
30°	480.1	481.3	479.5	477.0	478.9	482.0	479.5	478.3	482.6	482.0	481.3
32.5°	501.6	502.2	501.0	499.8	502.2	505.3	502.9	504.1	508.4	508.4	509.0
35°	526.8	528.1	526.2	525.0	528.1	531.7	528.7	533.0	538.5	539.1	540.4
37.5°	553.9	555.7	553.3	552.6	553.3	560.0	556.9	565.6	571.7	574.2	576.0
40°	590.8	590.1	587.1	585.2	584.0	587.1	592.6	604.3	611.7	616.6	617.8
42.5°	628.3	628.9	630.7	631.3	633.8	640.6	647.9	654.1	656.5	657.2	656.5
45°	672.5	671.9	669.4	665.1	662.1	666.4	673.1	683.6	693.4	702.0	702.0
47.5°	732.1	730.3	717.4	701.4	691.6	693.4	702.6	721.7	743.2	759.8	762.3
50°	813.3	810.2	789.3	759.8	741.4	741.4	750.0	777.6	809.0	829.9	833.6
52.5°	923.3	918.4	884.0	837.9	799.8	797.3	804.7	842.2	885.2	911.0	915.3
55°	1049.4	1046.9	1003.2	934.4	870.5	858.8	869.8	918.4	975.6	1013.1	1019.8
57.5°	1209.2	1198.1	1147.1	1061.0	961.4	933.2	949.1	1019.2	1096.7	1145.2	1152.6
60°	1384.4	1373.3	1324.1	1222.1	1088.1	1030.3	1058.0	1156.9	1255.9	1313.1	1322.9
62.5°	1559.0	1560.2	1519.6	1425.6	1271.3	1168.0	1214.7	1351.2	1453.2	1505.5	1519.0
65°	1806.7	1798.7	1755.1	1668.4	1530.7	1398.5	1462.5	1597.1	1701.0	1760.6	1781.5
67.5°	1932.1	1935.2	1975.8	1994.8	1894.0	1811.0	1830.1	1921.0	1908.7	1888.5	1882.3
70°	1822.1	1826.4	1916.7	2052.0	2237.0	2388.2	2098.7	1930.3	1840.5	1801.8	1793.2
72.5°	1593.4	1598.9	1723.7	1948.7	2345.8	2476.1	2187.2	1827.6	1675.8	1595.2	1580.5
75°	1268.2	1273.1	1429.9	1727.4	2203.8	2328.0	2039.7	1603.8	1393.0	1286.6	1271.3
77.5°	842.2	855.1	1028.5	1374.5	1932.7	2084.6	1799.3	1281.7	1040.1	921.5	894.4
80°	387.9	401.4	576.0	924.6	1456.3	1615.5	1330.3	866.2	643.0	517.6	494.9
82.5°	124.8	134.6	257.6	512.7	906.1	1054.3	804.1	486.9	330.1	237.9	210.9
85°	21.5	23.4	71.3	219.5	451.8	475.2	305.5	151.8	75.6	30.1	20.3
87.5°	8.0	7.4	9.2	53.5	91.0	32.0	8.6	5.5	6.1	6.8	6.8
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)