

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: P129312

Luminaire Tested: **VERD-A016-E-U-T5-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P129312
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-A016-E-U-T5-7030-AP
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K LED AT 60% STANDARD LUMENS AND TYPE V OPTICS, GREY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3781 lumens
Efficiency: N/A
Efficacy: 105.0 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

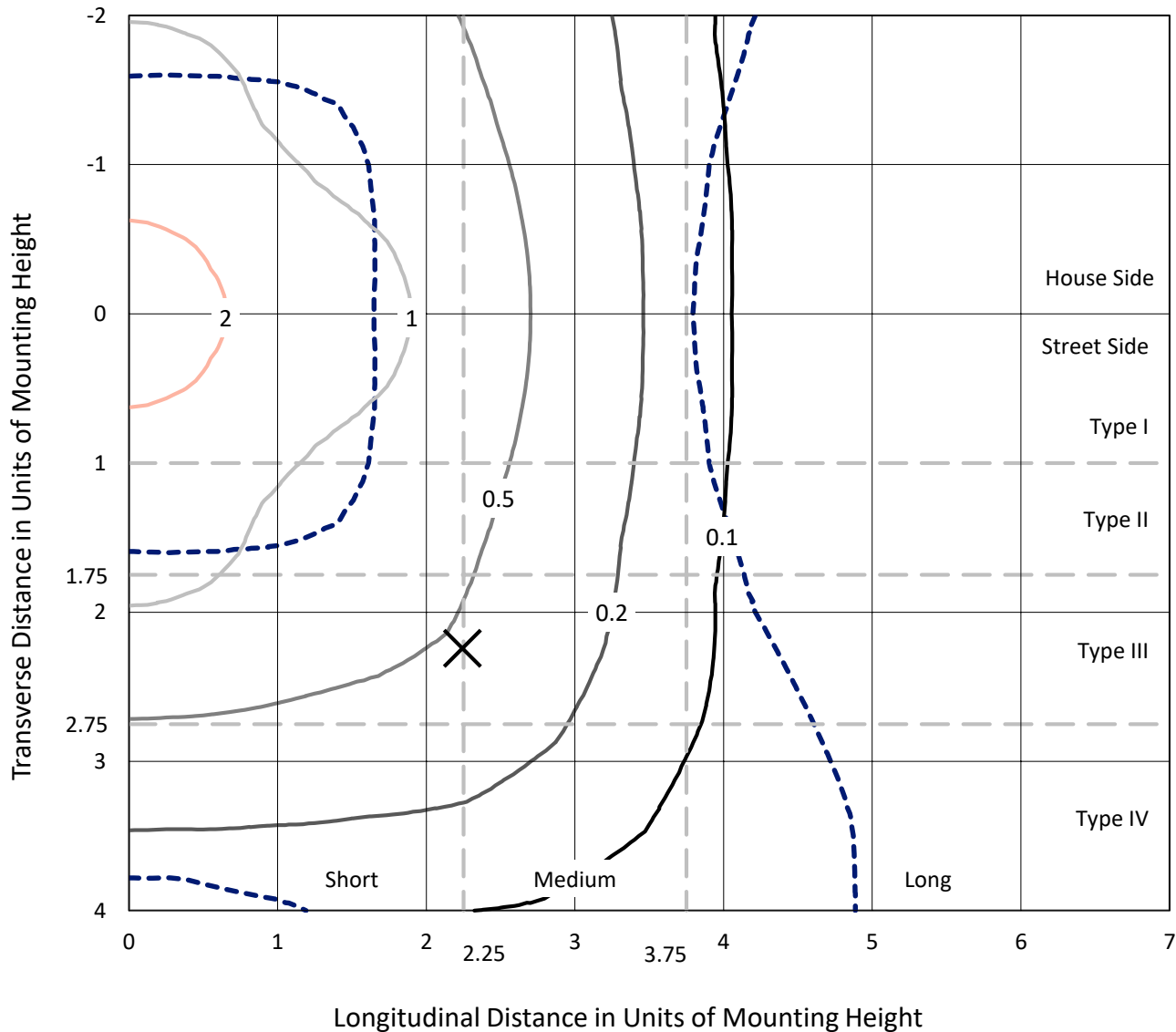
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

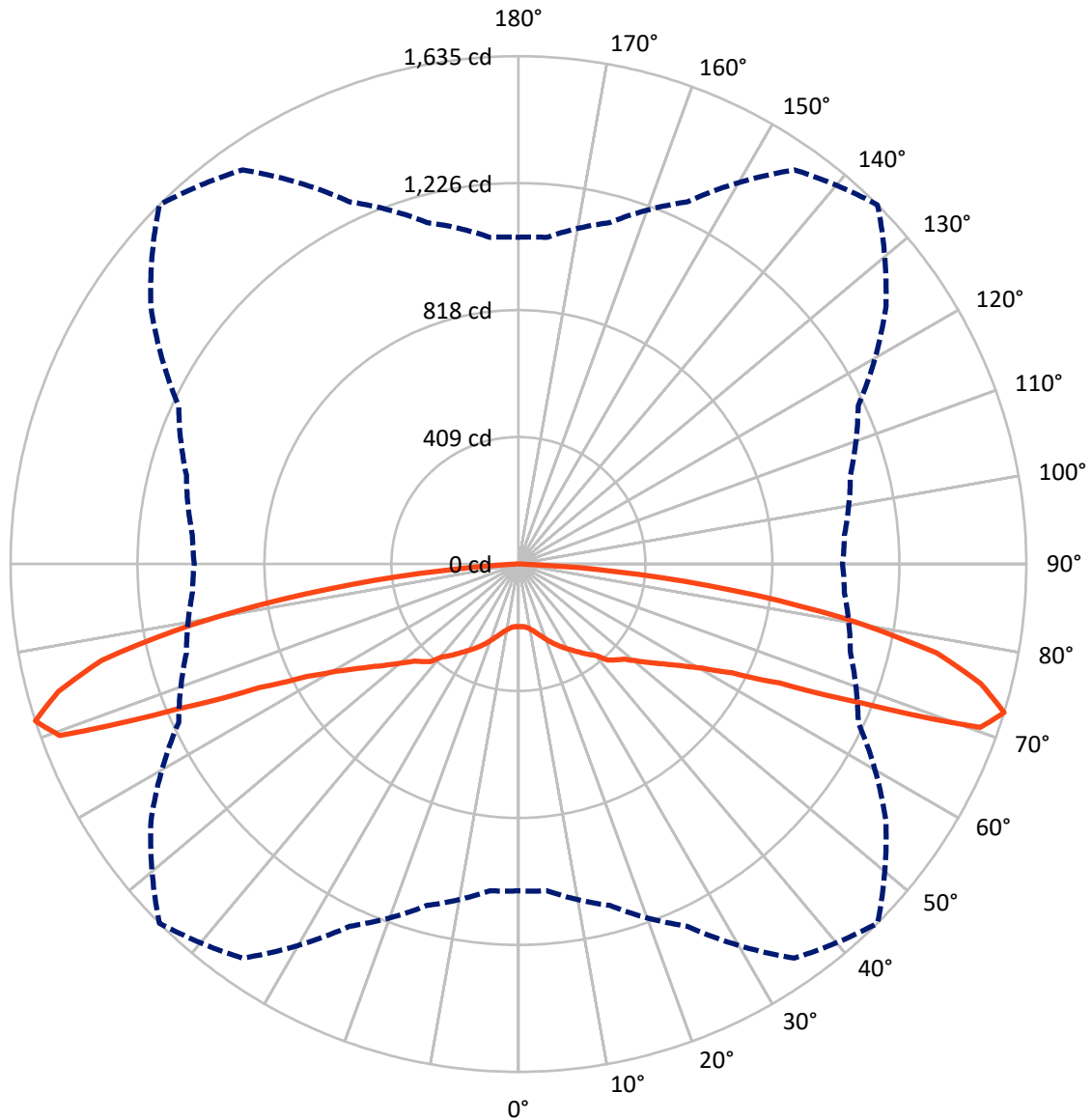


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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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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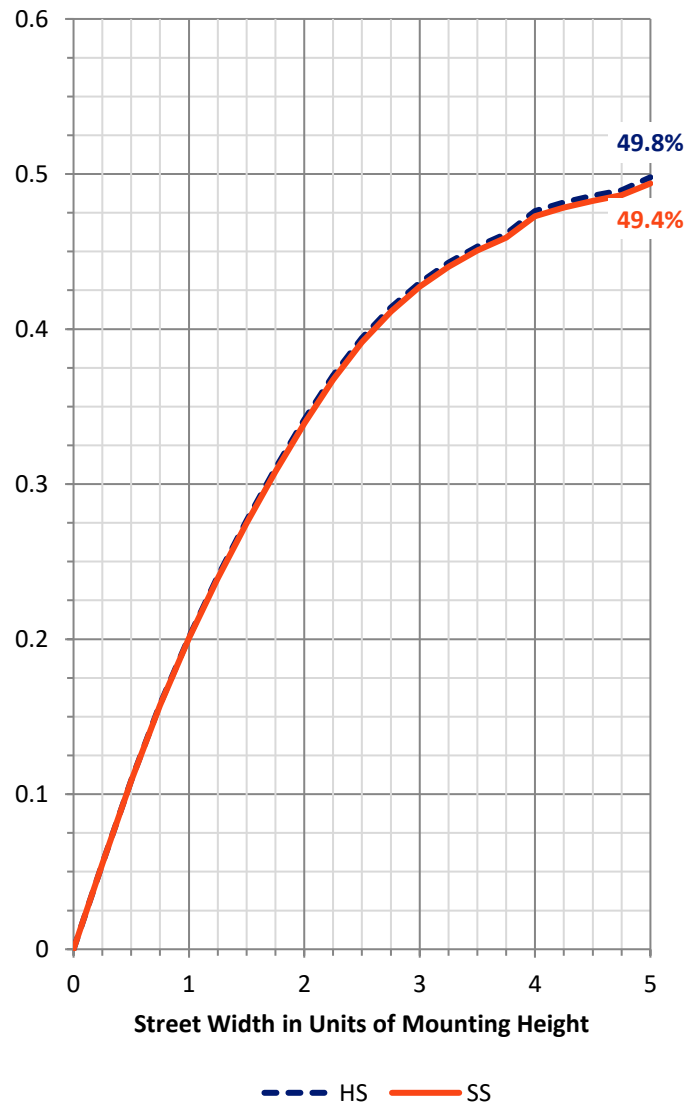
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1890.5	0.0	1890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1890.5	0.0	1890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3781.0	0.0	3781.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.5
10°-20°	67.0	1.8
20°-30°	133.8	3.5
30°-40°	222.1	5.9
40°-50°	349.4	9.2
50°-60°	571.9	15.1
60°-70°	1073.7	28.4
70°-80°	1125.9	29.8
80°-90°	217.2	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°	3781.0	100.0
0°-180°	3781.0	100.0



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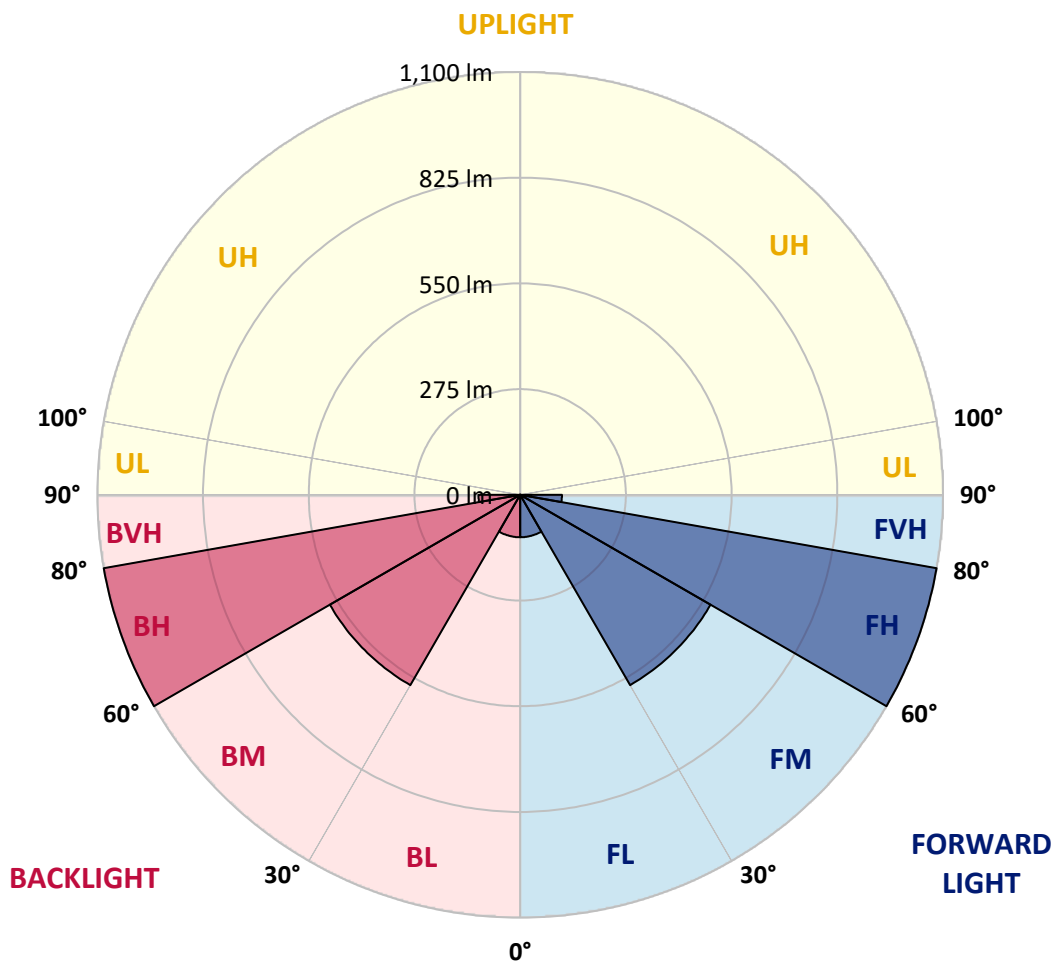
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.3	2.9			
FM (30°-60°)	571.7	15.1			
FH (60°-80°)	1099.8	29.1			G1/1800
FVH (80°-90°)	108.6	2.9			G2/225
BL (0°-30°)	110.3	2.9	B1/500		
BM (30°-60°)	571.7	15.1	B1/1000		
BH (60°-80°)	1099.8	29.1	B3/2500		G1/1800
BVH (80°-90°)	108.6	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°	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1
2.5°	204.2	204.2	203.4	203.4	201.7	201.3	200.9	200.5	200.5	201.3	201.7
5°	205.4	205.8	205.4	205.0	204.2	203.0	203.0	203.0	203.0	203.4	203.8
7.5°	210.3	211.1	210.7	209.5	208.2	207.0	206.6	207.0	207.0	207.4	207.0
10°	217.2	217.6	216.4	215.5	215.1	213.5	213.1	213.5	213.1	212.7	212.3
12.5°	224.9	225.3	224.5	224.1	223.7	222.0	221.6	222.4	221.6	221.2	220.8
15°	233.4	233.8	234.2	233.8	234.2	233.4	233.0	232.6	231.4	231.0	231.8
17.5°	244.0	244.8	245.6	246.0	246.4	245.6	244.8	244.8	243.1	243.1	243.6
20°	257.8	258.6	258.2	259.4	261.0	259.8	257.8	257.4	256.1	255.7	256.1
22.5°	272.8	273.2	272.0	272.8	274.8	274.4	271.6	270.3	270.3	269.9	269.5
25°	288.2	289.0	287.8	286.6	288.6	289.0	286.6	285.4	286.6	286.2	285.4
27.5°	303.6	304.0	302.8	301.6	302.4	303.6	302.0	300.8	303.6	302.8	301.6
30°	317.0	317.8	316.6	315.0	316.2	318.2	316.6	315.8	318.6	318.2	317.8
32.5°	331.2	331.6	330.8	330.0	331.6	333.7	332.0	332.9	335.7	335.7	336.1
35°	347.9	348.7	347.5	346.7	348.7	351.1	349.1	351.9	355.6	356.0	356.8
37.5°	365.7	367.0	365.3	364.9	365.3	369.8	367.8	373.4	377.5	379.1	380.3
40°	390.1	389.7	387.7	386.4	385.6	387.7	391.3	399.0	403.9	407.1	408.0
42.5°	414.9	415.3	416.5	416.9	418.5	423.0	427.8	431.9	433.5	433.9	433.5
45°	444.1	443.7	442.0	439.2	437.2	440.0	444.5	451.4	457.9	463.6	463.6
47.5°	483.5	482.2	473.7	463.2	456.7	457.9	464.0	476.6	490.8	501.7	503.3
50°	537.0	535.0	521.2	501.7	489.5	489.5	495.2	513.5	534.2	548.0	550.4
52.5°	609.7	606.4	583.7	553.3	528.1	526.5	531.4	556.1	584.5	601.6	604.4
55°	692.9	691.3	662.5	617.0	574.8	567.1	574.4	606.4	644.2	669.0	673.4
57.5°	798.4	791.1	757.5	700.6	634.9	616.2	626.7	673.0	724.2	756.2	761.1
60°	914.1	906.8	874.4	807.0	718.5	680.3	698.6	763.9	829.3	867.0	873.5
62.5°	1029.4	1030.2	1003.4	941.3	839.4	771.3	802.1	892.2	959.6	994.1	1003.0
65°	1193.0	1187.7	1158.9	1101.7	1010.7	923.5	965.7	1054.6	1123.2	1162.6	1176.4
67.5°	1275.8	1277.8	1304.6	1317.2	1250.6	1195.8	1208.4	1268.5	1260.4	1247.0	1242.9
70°	1203.2	1206.0	1265.7	1355.0	1477.2	1577.0	1385.8	1274.6	1215.3	1189.8	1184.1
72.5°	1052.2	1055.8	1138.2	1286.8	1549.0	1635.1	1444.3	1206.8	1106.5	1053.4	1043.6
75°	837.4	840.7	944.2	1140.6	1455.2	1537.2	1346.8	1059.1	919.8	849.6	839.4
77.5°	556.1	564.6	679.1	907.6	1276.2	1376.5	1188.1	846.3	686.8	608.5	590.6
80°	256.1	265.1	380.3	610.5	961.6	1066.8	878.4	571.9	424.6	341.8	326.8
82.5°	82.4	88.9	170.1	338.5	598.3	696.2	530.9	321.5	218.0	157.1	139.2
85°	14.2	15.4	47.1	144.9	298.4	313.8	201.7	100.3	49.9	19.9	13.4
87.5°	5.3	4.9	6.1	35.3	60.1	21.1	5.7	3.7	4.1	4.5	4.5
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)