

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: P507615

Luminaire Tested: **VERD-S-CA1-60-722-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-722-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1150mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7377 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

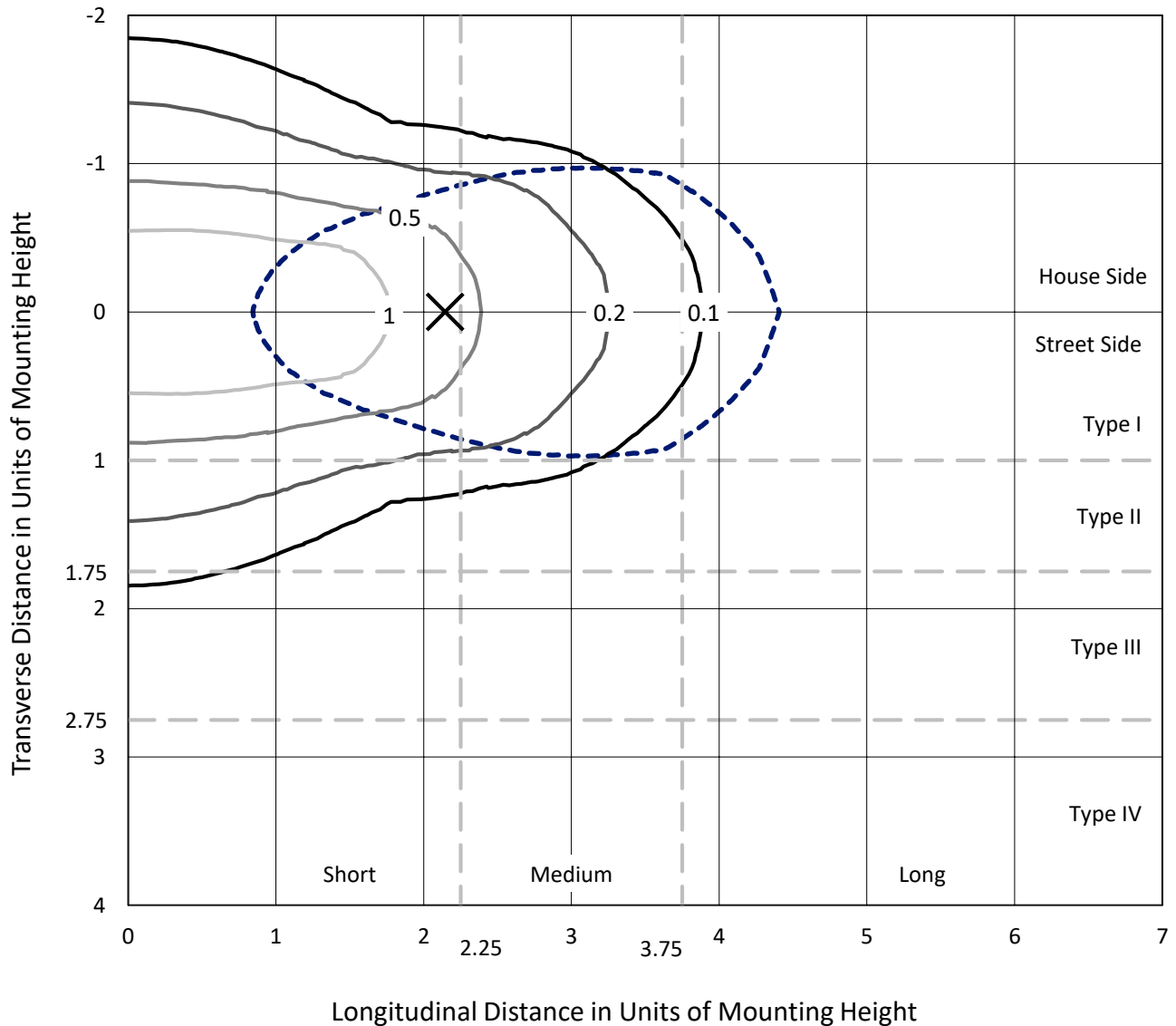
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

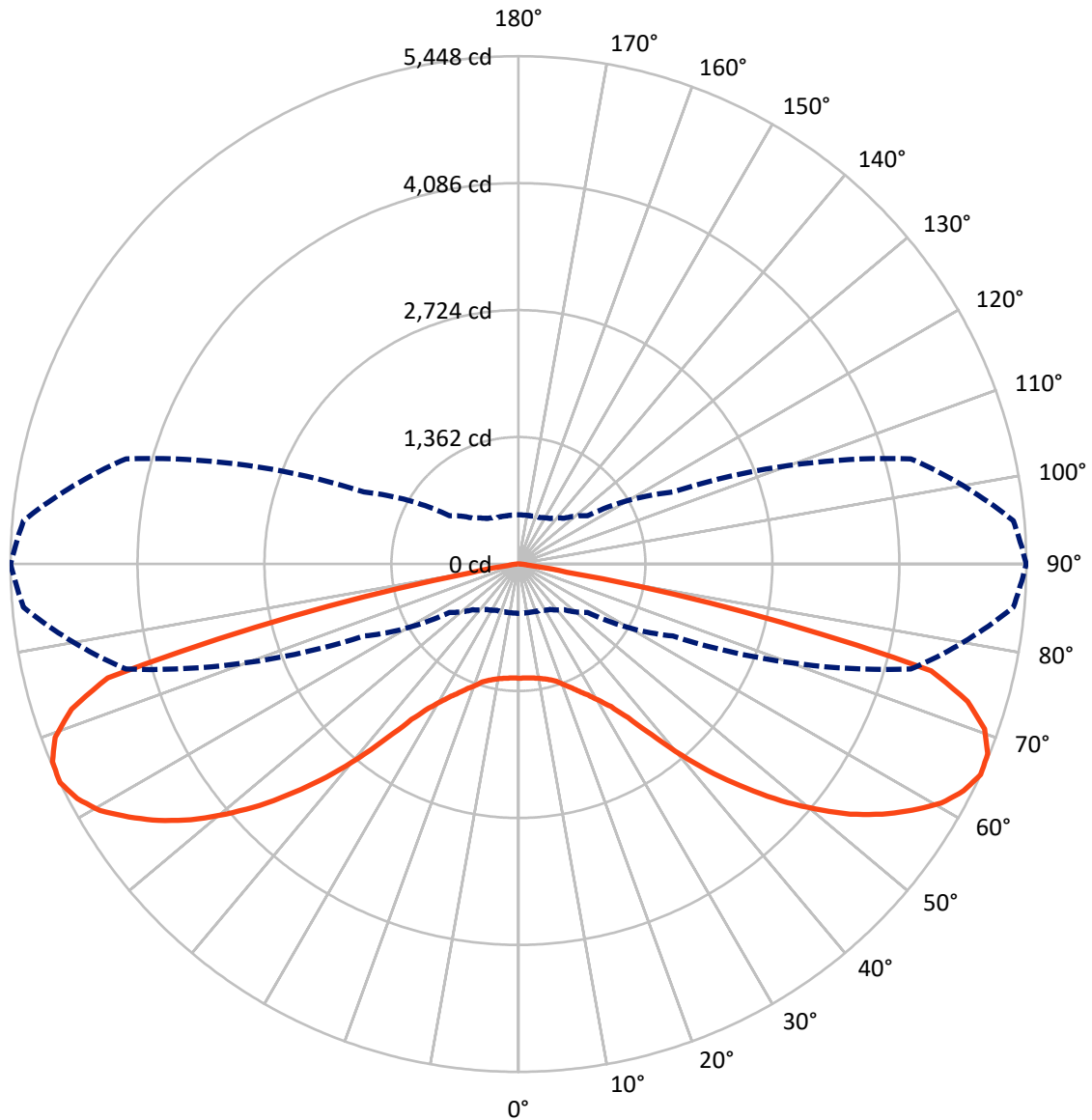
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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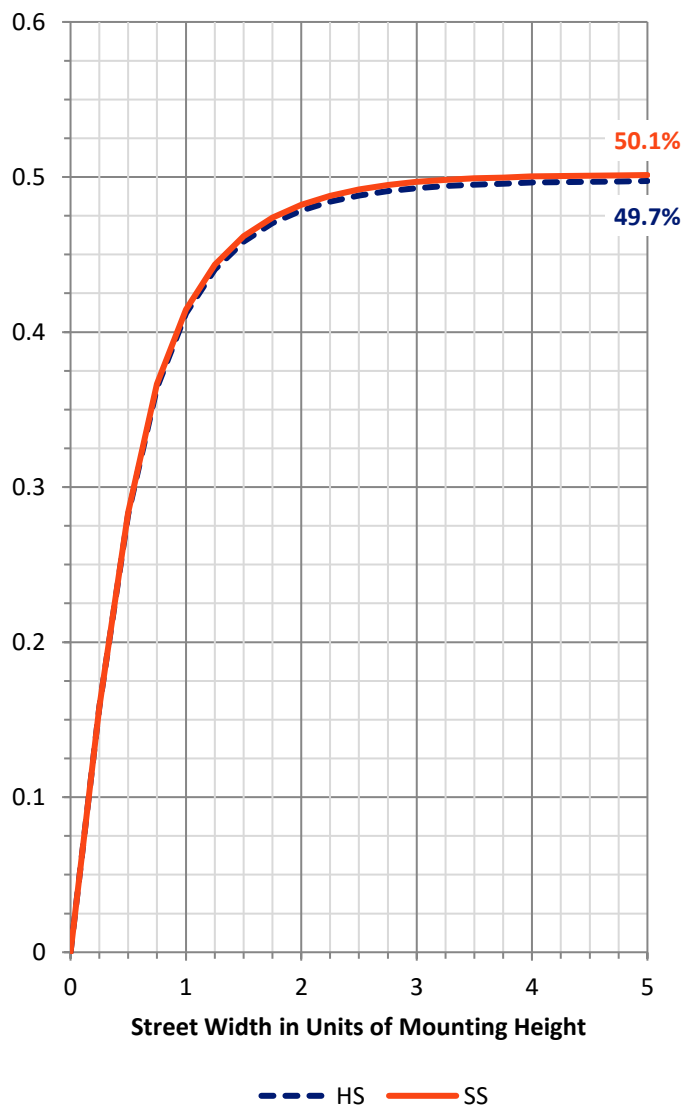
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3688.5	0.0	3688.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3688.5	0.0	3688.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7377.0	0.0	7377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	1.6
10°-20°	349.9	4.7
20°-30°	579.4	7.9
30°-40°	838.7	11.4
40°-50°	1214.0	16.5
50°-60°	1580.1	21.4
60°-70°	1669.0	22.6
70°-80°	982.3	13.3
80°-90°	46.4	0.6
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°	7377.0	100.0
0°-180°	7377.0	100.0

Coefficient of Utilization



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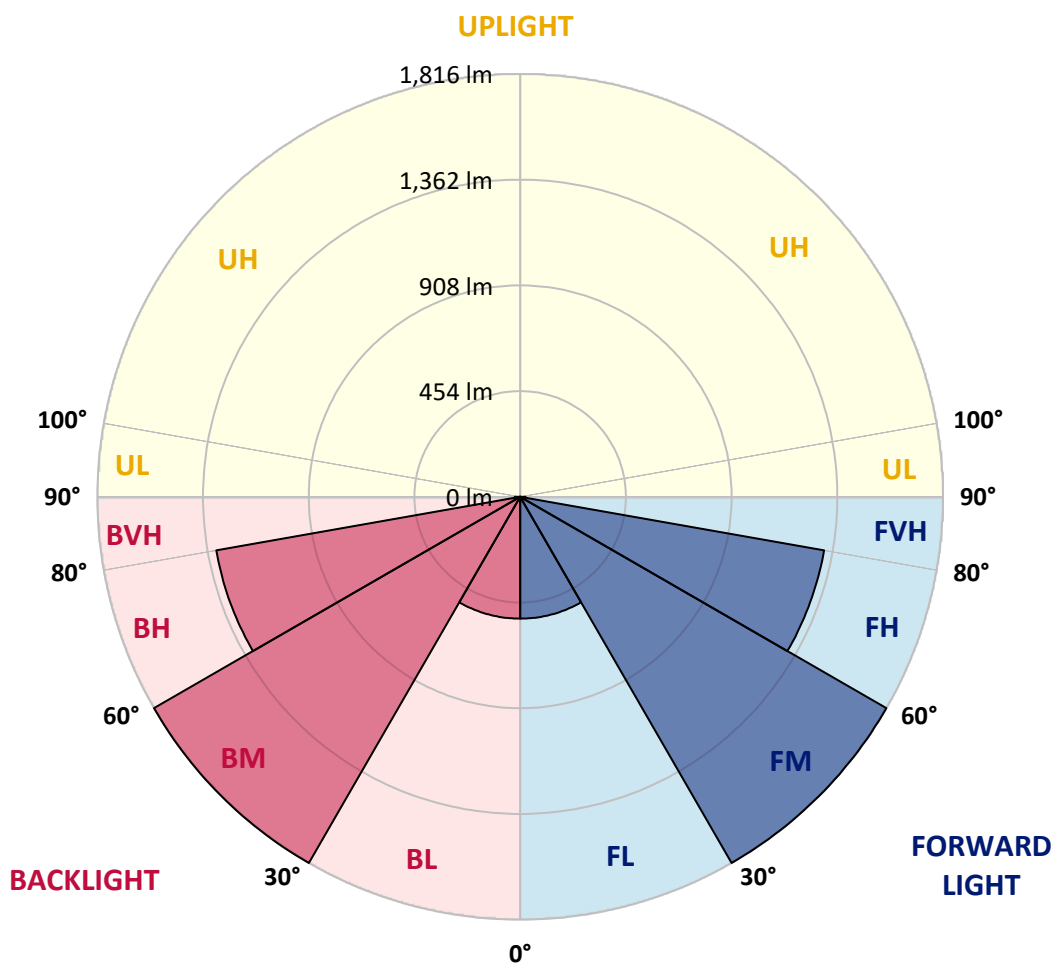
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	523.3	7.1			
FM (30°-60°)	1816.4	24.6			
FH (60°-80°)	1325.7	18.0			G1/1800
FVH (80°-90°)	23.2	0.3			G1/100
BL (0°-30°)	523.3	7.1	B2/1000		
BM (30°-60°)	1816.4	24.6	B2/2500		
BH (60°-80°)	1325.7	18.0	B3/2500		G3/2500
BVH (80°-90°)	23.2	0.3			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°	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1	1225.1
2.5°	1229.1	1229.1	1231.1	1229.1	1229.1	1229.1	1229.1	1227.1	1225.1	1223.1	1223.1
5°	1227.1	1227.1	1227.1	1229.1	1229.1	1231.1	1231.1	1229.1	1229.1	1229.1	1227.1
7.5°	1219.1	1221.1	1221.1	1223.1	1225.1	1229.1	1231.1	1233.1	1235.1	1235.1	1235.1
10°	1209.1	1209.1	1211.1	1215.1	1221.1	1225.1	1235.1	1241.2	1245.2	1247.2	1247.2
12.5°	1193.0	1193.0	1197.0	1205.1	1217.1	1229.1	1241.2	1253.2	1261.2	1265.2	1265.2
15°	1173.0	1173.0	1179.0	1191.0	1213.1	1235.1	1255.2	1273.2	1285.3	1291.3	1289.3
17.5°	1142.9	1142.9	1150.9	1173.0	1207.1	1243.2	1277.2	1299.3	1317.3	1323.4	1323.4
20°	1102.8	1102.8	1116.8	1146.9	1195.0	1249.2	1297.3	1331.4	1357.4	1375.5	1379.5
22.5°	1052.7	1052.7	1074.7	1116.8	1175.0	1245.2	1311.3	1369.5	1415.6	1435.6	1437.7
25°	994.5	998.5	1028.6	1082.7	1156.9	1243.2	1333.4	1413.6	1473.7	1505.8	1511.8
27.5°	940.4	944.4	982.5	1050.7	1138.9	1245.2	1353.4	1461.7	1547.9	1586.0	1592.0
30°	890.3	894.3	934.4	1014.6	1124.9	1247.2	1377.5	1509.8	1624.1	1684.3	1696.3
32.5°	846.1	850.2	890.3	976.5	1104.8	1249.2	1407.6	1574.0	1722.4	1812.6	1822.6
35°	808.1	812.1	854.2	936.4	1078.7	1253.2	1443.7	1650.2	1852.7	1999.1	2023.1
37.5°	776.0	780.0	816.1	898.3	1048.7	1253.2	1481.8	1738.4	2023.1	2277.8	2321.9
40°	751.9	755.9	784.0	860.2	1012.6	1245.2	1515.8	1834.7	2225.7	2626.7	2698.9
42.5°	729.9	735.9	759.9	826.1	974.5	1229.1	1551.9	1930.9	2464.3	2989.6	3075.8
45°	707.8	713.8	739.9	800.0	934.4	1205.1	1574.0	2025.1	2732.9	3358.5	3432.7
47.5°	693.8	693.8	715.8	772.0	896.3	1163.0	1580.0	2113.4	3009.6	3711.4	3797.6
50°	679.7	679.7	697.8	745.9	856.2	1108.8	1558.0	2197.6	3298.4	4046.3	4130.5
52.5°	661.7	659.7	677.7	721.8	818.1	1040.6	1505.8	2253.7	3593.1	4363.1	4457.3
55°	639.6	639.6	653.7	693.8	782.0	972.5	1411.6	2279.8	3865.8	4637.8	4738.0
57.5°	615.6	613.6	627.6	659.7	741.9	906.3	1285.3	2261.7	4088.4	4898.4	4982.7
60°	593.5	591.5	601.5	629.6	695.8	842.1	1156.9	2163.5	4266.8	5113.0	5209.2
62.5°	565.4	565.4	573.5	595.5	651.7	770.0	1028.6	2011.1	4355.1	5257.3	5359.6
65°	529.3	527.3	533.4	549.4	595.5	693.8	904.3	1828.6	4357.1	5329.5	5447.8
67.5°	463.2	479.2	485.2	495.3	533.4	615.6	786.0	1666.2	4200.7	5315.5	5429.8
70°	375.0	427.1	427.1	433.1	461.2	527.3	675.7	1529.9	3853.8	5181.2	5303.5
72.5°	260.7	306.8	344.9	358.9	383.0	429.1	569.4	1365.5	3256.3	4874.4	5038.8
75°	96.2	90.2	130.3	218.6	242.6	282.7	417.1	1124.9	2632.7	4290.9	4571.6
77.5°	28.1	30.1	42.1	112.3	128.3	138.4	226.6	561.4	1219.1	2195.6	2484.3
80°	24.1	24.1	30.1	36.1	42.1	68.2	74.2	208.5	401.0	525.3	527.3
82.5°	18.0	18.0	22.1	26.1	32.1	40.1	44.1	72.2	102.3	106.3	106.3
85°	12.0	12.0	14.0	16.0	20.1	24.1	26.1	30.1	38.1	64.2	68.2
87.5°	6.0	6.0	8.0	8.0	10.0	10.0	12.0	18.0	20.1	30.1	30.1
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)