

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: P507558

Luminaire Tested: **VERD-S-CA1-40-750-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507558  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-40-750-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5000K, 760mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6478 lumens  
Efficiency: N/A  
Efficacy: 149.3 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

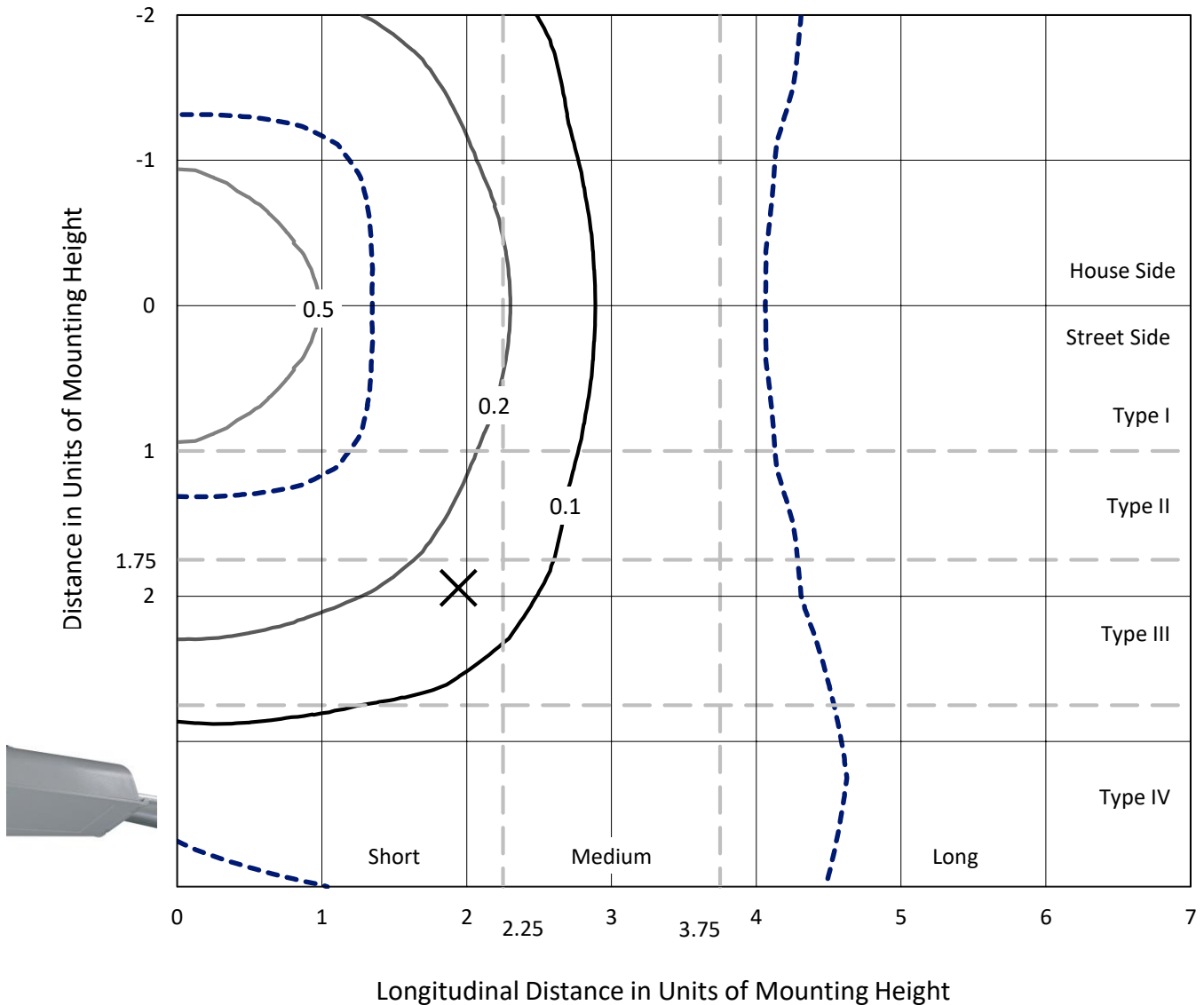
Input Watts (W): 43.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

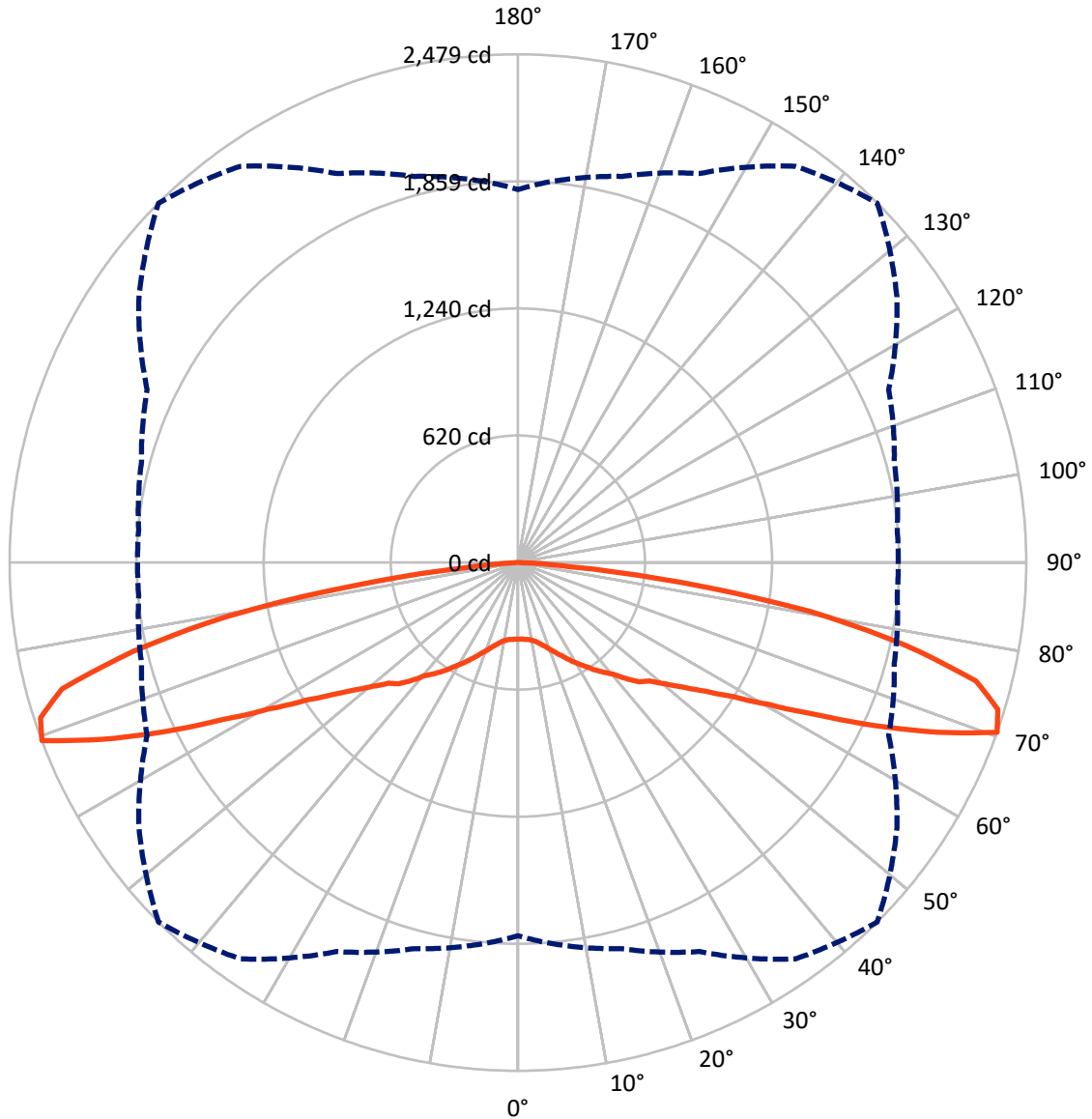
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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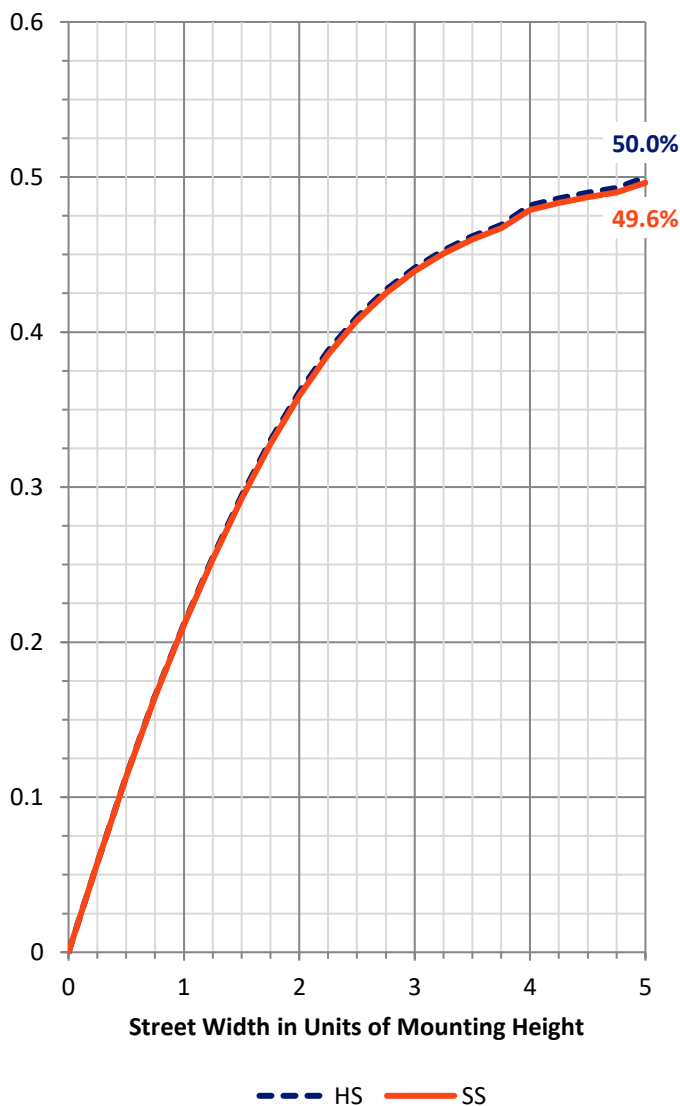
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3239.0	0.0	3239.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3239.0	0.0	3239.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6478.0	0.0	6478.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	0.6
10°-20°	117.0	1.8
20°-30°	232.0	3.6
30°-40°	403.7	6.2
40°-50°	661.4	10.2
50°-60°	1124.6	17.4
60°-70°	1869.4	28.9
70°-80°	1743.8	26.9
80°-90°	290.1	4.5
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°	6478.0	100.0
0°-180°	6478.0	100.0

**Coefficient of Utilization**



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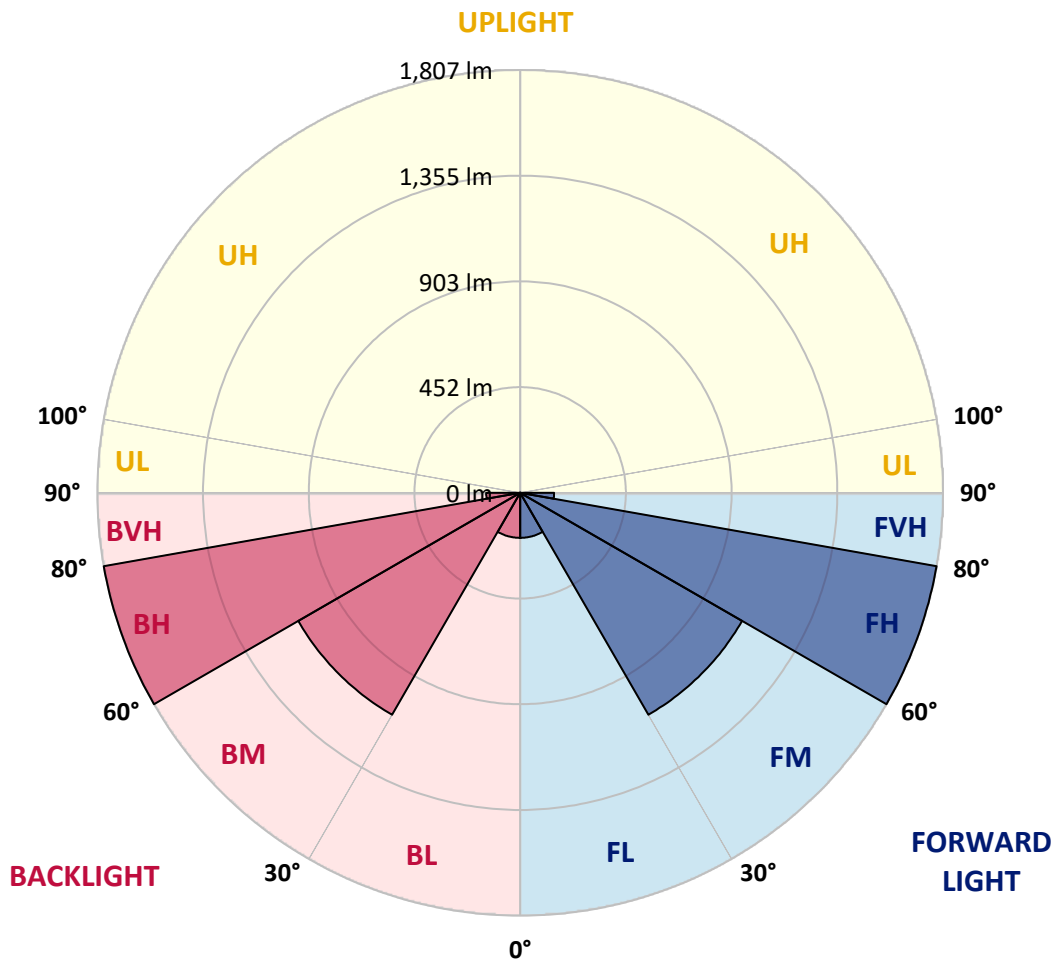
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.6	3.0			
FM (30°-60°)	1094.8	16.9			
FH (60°-80°)	1806.6	27.9			G2/5000
FVH (80°-90°)	145.0	2.2			G2/225
BL (0°-30°)	192.6	3.0	B1/500		
BM (30°-60°)	1094.8	16.9	B2/2500		
BH (60°-80°)	1806.6	27.9	B3/2500		G2/5000
BVH (80°-90°)	145.0	2.2			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°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4
2.5°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	375.2	375.2	375.2	375.2
5°	376.9	376.9	375.2	375.2	375.2	376.9	376.9	376.9	376.9	378.7	378.7
7.5°	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	380.4	380.4	380.4
10°	385.7	385.7	385.7	385.7	385.7	385.7	385.7	385.7	385.7	385.7	385.7
12.5°	392.7	392.7	394.5	394.5	396.2	396.2	394.5	394.5	392.7	391.0	391.0
15°	405.0	405.0	406.7	408.5	412.0	412.0	410.2	408.5	405.0	403.2	403.2
17.5°	417.3	417.3	419.0	422.5	427.8	429.5	426.0	422.5	419.0	417.3	417.3
20°	434.8	436.5	438.3	441.8	450.6	454.1	448.8	441.8	440.0	440.0	440.0
22.5°	461.1	461.1	461.1	466.3	473.4	478.6	471.6	468.1	464.6	464.6	464.6
25°	489.1	489.1	489.1	490.9	501.4	506.7	499.7	494.4	492.6	494.4	494.4
27.5°	520.7	520.7	520.7	520.7	529.5	538.2	529.5	524.2	526.0	526.0	526.0
30°	554.0	554.0	555.8	555.8	559.3	569.8	561.0	559.3	561.0	562.8	562.8
32.5°	592.6	594.3	592.6	592.6	596.1	603.1	597.8	597.8	601.3	604.8	604.8
35°	632.9	632.9	632.9	632.9	634.7	641.7	638.2	638.2	643.4	648.7	648.7
37.5°	676.7	678.5	673.2	671.5	675.0	678.5	676.7	680.2	689.0	696.0	697.8
40°	724.1	724.1	718.8	713.5	713.5	715.3	718.8	725.8	738.1	746.9	748.6
42.5°	783.7	788.9	780.2	773.2	769.6	773.2	776.7	788.9	801.2	808.2	808.2
45°	862.6	864.3	853.8	841.5	832.8	829.3	834.5	846.8	860.8	874.8	874.8
47.5°	959.0	955.5	932.7	895.9	869.6	862.6	871.3	899.4	932.7	953.7	957.2
50°	1080.0	1076.5	1041.4	987.0	939.7	929.2	934.4	976.5	1025.6	1057.2	1062.4
52.5°	1223.7	1215.0	1176.4	1104.5	1032.6	1008.1	1020.4	1076.5	1139.6	1179.9	1185.2
55°	1371.0	1365.7	1325.4	1244.8	1153.6	1108.0	1123.8	1199.2	1278.1	1320.1	1323.7
57.5°	1514.8	1516.5	1479.7	1406.1	1299.1	1232.5	1253.5	1342.9	1432.4	1474.4	1474.4
60°	1651.5	1649.7	1623.5	1565.6	1483.2	1406.1	1432.4	1506.0	1584.9	1623.5	1627.0
62.5°	1783.0	1781.2	1772.5	1735.7	1688.3	1632.2	1634.0	1683.1	1746.2	1774.2	1779.5
65°	1953.1	1949.5	1937.3	1914.5	1921.5	1918.0	1860.1	1872.4	1932.0	1963.6	1965.3
67.5°	1965.3	1986.4	2026.7	2095.1	2193.2	2207.3	2133.6	2023.2	1993.4	1975.8	1974.1
70°	1819.8	1865.4	1949.5	2093.3	2359.8	2479.0	2256.4	1995.1	1900.5	1856.6	1854.9
72.5°	1563.8	1658.5	1769.0	1998.6	2370.3	2447.4	2268.6	1891.7	1739.2	1667.3	1656.8
75°	1211.5	1302.6	1486.7	1802.3	2230.1	2307.2	2131.9	1697.1	1500.7	1430.6	1409.6
77.5°	745.1	853.8	1048.4	1409.6	1846.1	1925.0	1784.7	1353.5	1143.1	1032.6	1037.9
80°	362.9	469.9	632.9	952.0	1327.2	1442.9	1227.2	873.1	696.0	618.9	611.9
82.5°	157.8	213.9	305.1	476.9	753.9	806.5	624.1	431.3	343.6	306.8	303.3
85°	22.8	31.6	78.9	142.0	227.9	256.0	147.3	89.4	68.4	61.4	56.1
87.5°	15.8	15.8	15.8	17.5	21.0	22.8	19.3	17.5	15.8	15.8	15.8
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)