

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: P509267

Luminaire Tested: **VERD-CA2-60-740-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509267  
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-CA2-60-740-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 850mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9817.1 lumens  
Efficiency: N/A  
Efficacy: 154.8 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

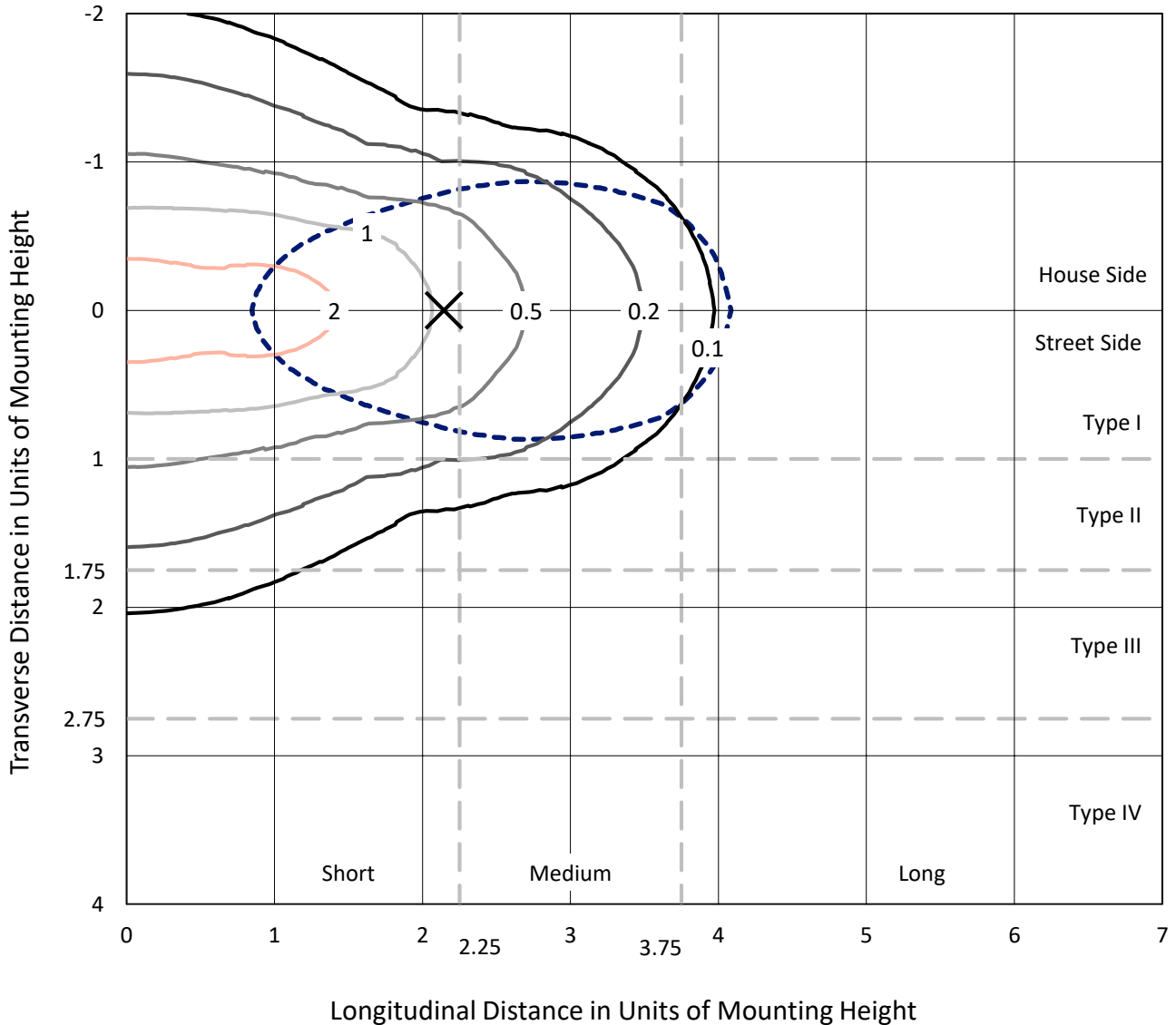
Input Watts (W): 63.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

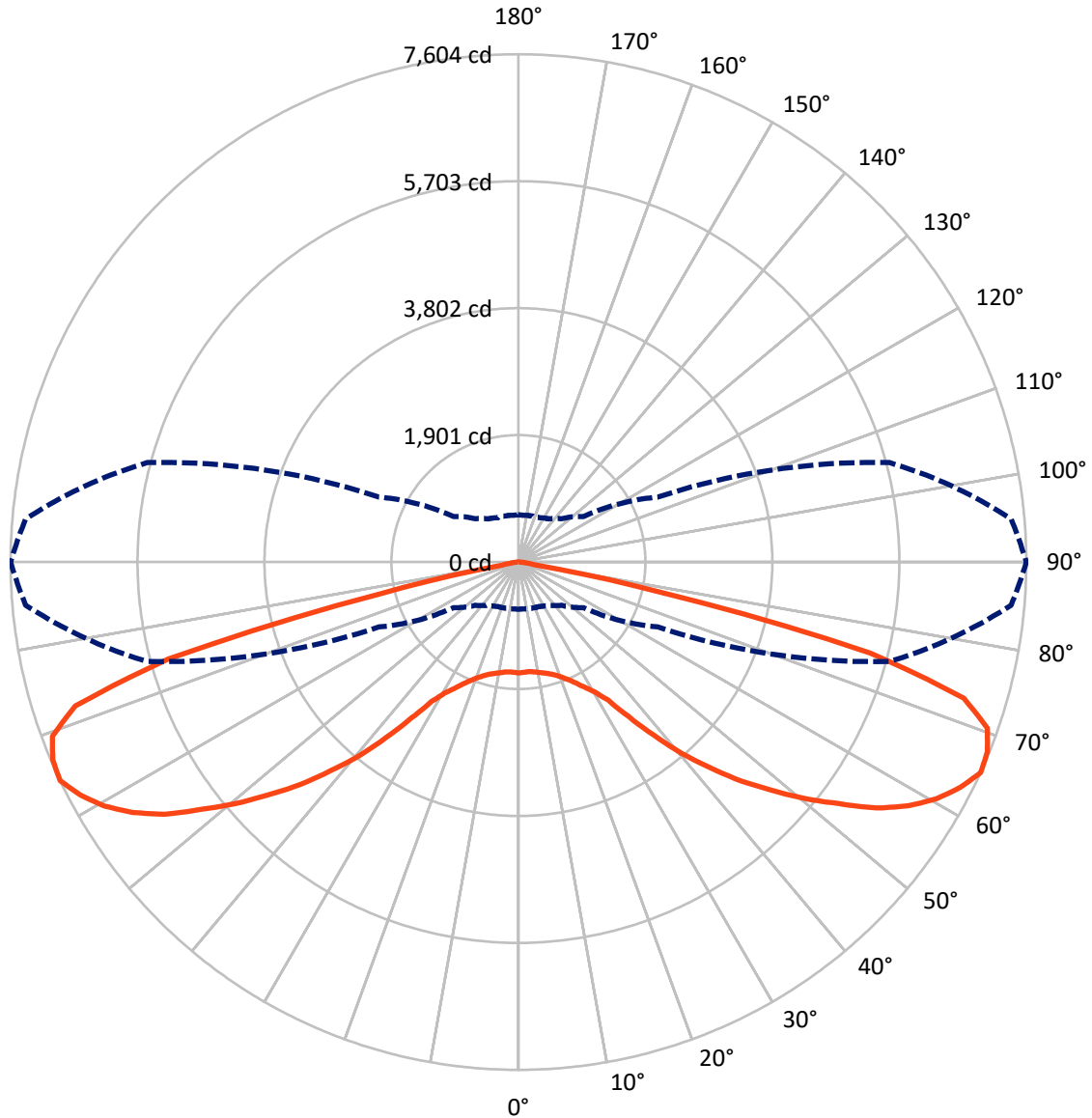
× Max cd  
 - - - 1/2 Max cd



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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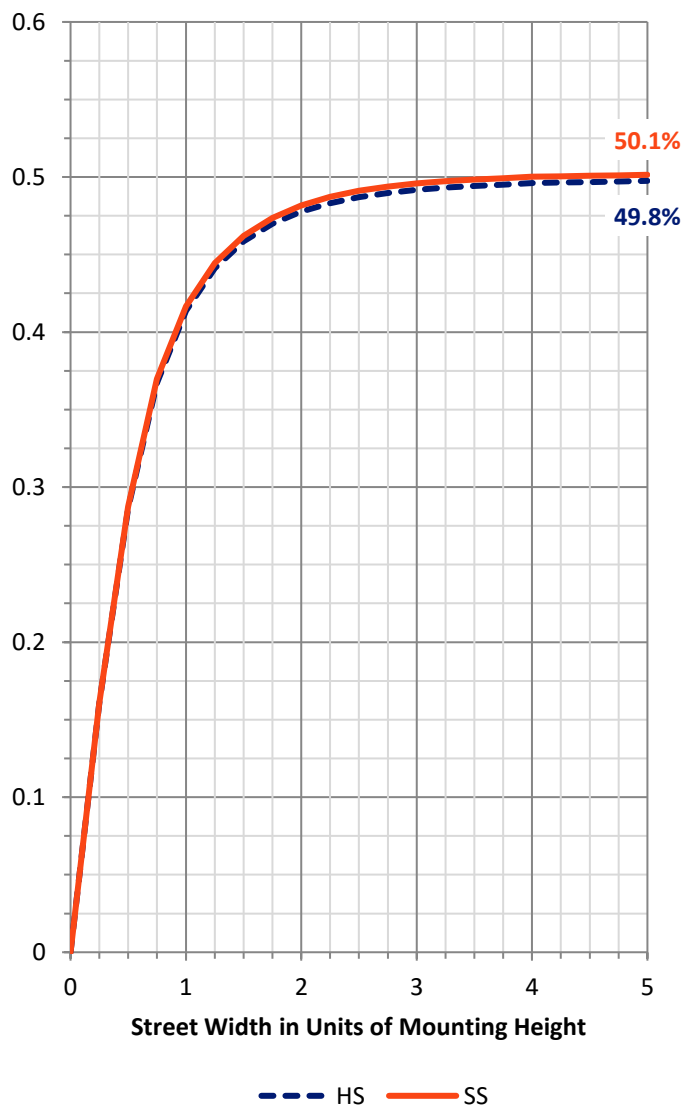
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4908.5	0.0	4908.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4908.5	0.0	4908.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9817.1	0.0	9817.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.6	1.6
10°-20°	469.3	4.8
20°-30°	774.9	7.9
30°-40°	1143.8	11.7
40°-50°	1664.2	17.0
50°-60°	2130.3	21.7
60°-70°	2227.8	22.7
70°-80°	1201.9	12.2
80°-90°	47.3	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°	9817.1	100.0
0°-180°	9817.1	100.0

**Coefficient of Utilization**



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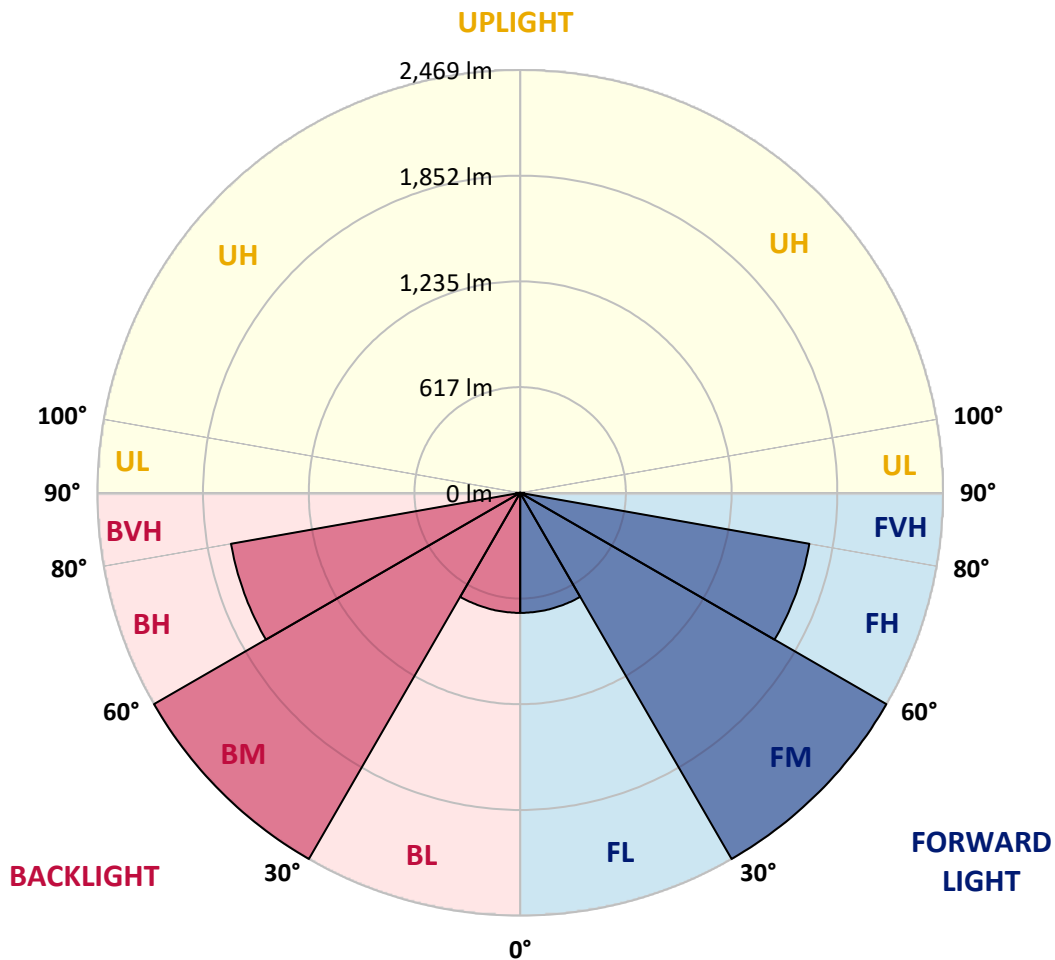
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	700.9	7.1			
FM	(30°-60°)	2469.2	25.2			
FH	(60°-80°)	1714.8	17.5			G1/1800
FVH	(80°-90°)	23.7	0.2			G1/100
BL	(0°-30°)	700.9	7.1	B2/1000		
BM	(30°-60°)	2469.2	25.2	B2/2500		
BH	(60°-80°)	1714.8	17.5	B3/2500		G3/2500
BVH	(80°-90°)	23.7	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°	1661	1661	1661	1661	1661	1661	1661	1661	1661	1661	1661
2.5°	1652	1658	1661	1660	1654	1654	1654	1654	1652	1651	1652
5°	1640	1645	1651	1648	1645	1648	1648	1648	1649	1649	1649
7.5°	1630	1637	1640	1644	1637	1645	1657	1659	1660	1660	1660
10°	1621	1627	1635	1634	1637	1649	1662	1677	1678	1681	1681
12.5°	1599	1607	1616	1622	1626	1654	1667	1686	1701	1703	1704
15°	1572	1577	1587	1601	1622	1652	1681	1705	1729	1735	1735
17.5°	1531	1537	1551	1571	1609	1658	1704	1736	1766	1775	1777
20°	1475	1486	1505	1540	1591	1662	1729	1777	1816	1836	1837
22.5°	1408	1416	1450	1500	1572	1662	1755	1825	1879	1910	1913
25°	1335	1342	1386	1456	1548	1663	1781	1878	1962	2003	2007
27.5°	1269	1276	1326	1411	1527	1666	1809	1943	2060	2115	2126
30°	1208	1211	1268	1362	1504	1668	1843	2014	2163	2252	2258
32.5°	1151	1159	1212	1313	1477	1671	1888	2115	2328	2462	2467
35°	1100	1107	1160	1263	1441	1679	1937	2244	2567	2801	2840
37.5°	1059	1066	1113	1210	1404	1677	2001	2401	2859	3229	3288
40°	1026	1034	1072	1160	1355	1662	2068	2571	3177	3680	3768
42.5°	998	1005	1038	1116	1302	1638	2128	2725	3484	4139	4209
45°	966	974	1006	1079	1253	1601	2168	2876	3795	4575	4675
47.5°	945	950	975	1043	1198	1543	2175	2983	4128	5036	5105
50°	926	925	947	1007	1147	1469	2138	3066	4445	5466	5569
52.5°	899	900	918	972	1097	1383	2050	3087	4771	5897	6009
55°	867	870	887	932	1046	1298	1900	3049	5122	6323	6503
57.5°	836	834	851	891	991	1212	1729	2952	5459	6771	6884
60°	800	802	814	847	933	1121	1538	2784	5686	7117	7196
62.5°	759	759	770	795	866	1022	1355	2562	5814	7297	7428
65°	707	704	716	734	788	916	1188	2301	5751	7406	7604
67.5°	651	645	651	659	699	802	1019	2065	5457	7336	7574
70°	578	570	573	573	600	669	854	1865	4786	7110	7448
72.5°	473	470	475	471	491	537	708	1622	3900	6568	6974
75°	288	292	308	336	354	389	518	1283	2953	4955	5440
77.5°	120	134	148	153	173	169	234	582	1196	1973	2136
80°	40	41	91	101	111	91	89	195	342	289	243
82.5°	24	26	50	54	47	49	52	66	64	104	118
85°	12	13	22	25	25	30	30	32	36	63	68
87.5°	3	3	6	9	10	12	12	14	16	23	27
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)