

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: P507454

Luminaire Tested: **VERD-S-CA1-20-740-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507454
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-CA1-20-740-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 430mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3695 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 23.4
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

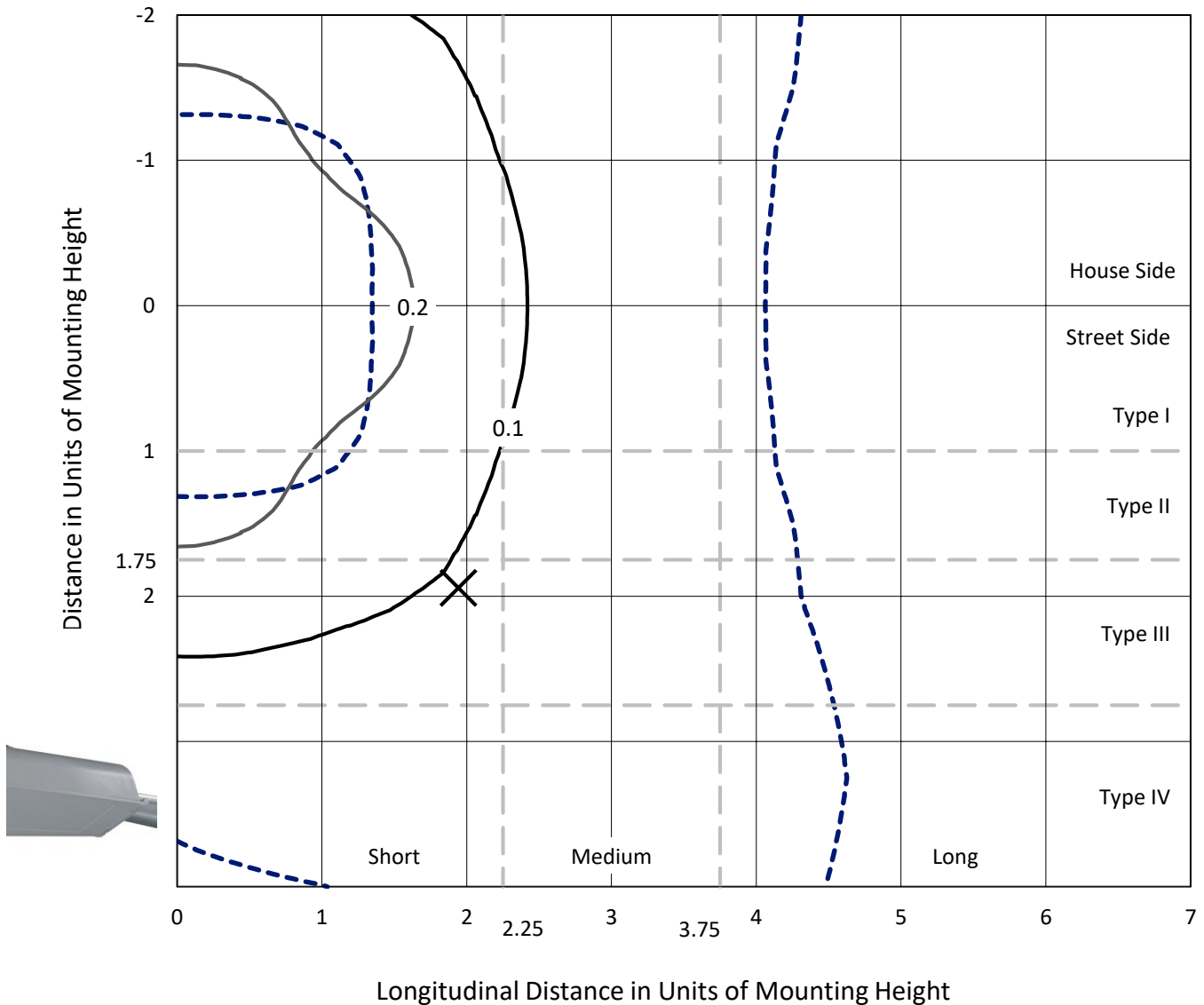


REPORT NUMBER: P507454

CATALOG NUMBER: VERD-S-CA1-20-740-U-T5

Iso-Footcandle Lines of Horizontal Illumination

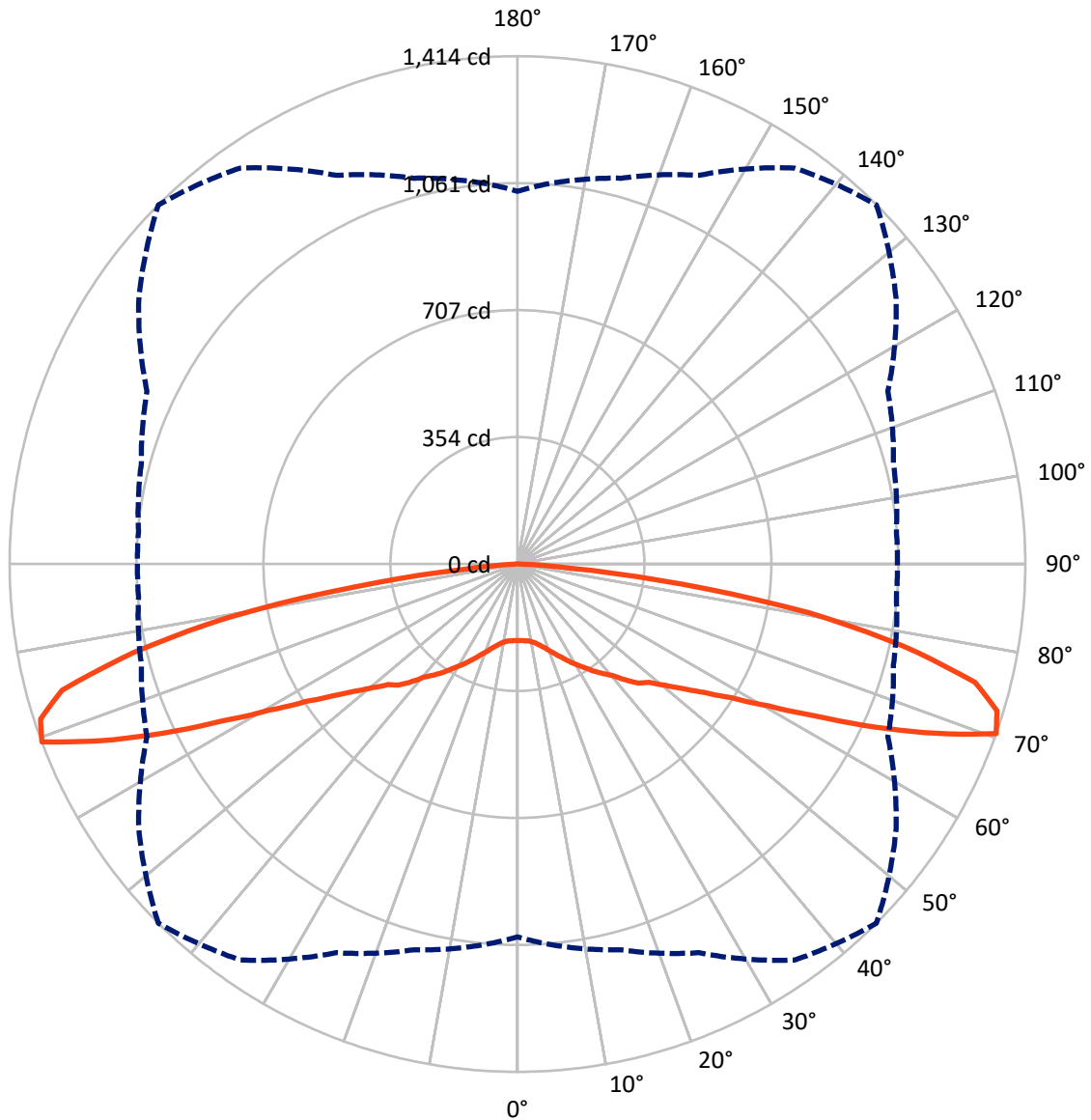
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

REPORT NUMBER: P507454
CATALOG NUMBER: VERD-S-CA1-20-740-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507454

CATALOG NUMBER: VERD-S-CA1-20-740-U-T5

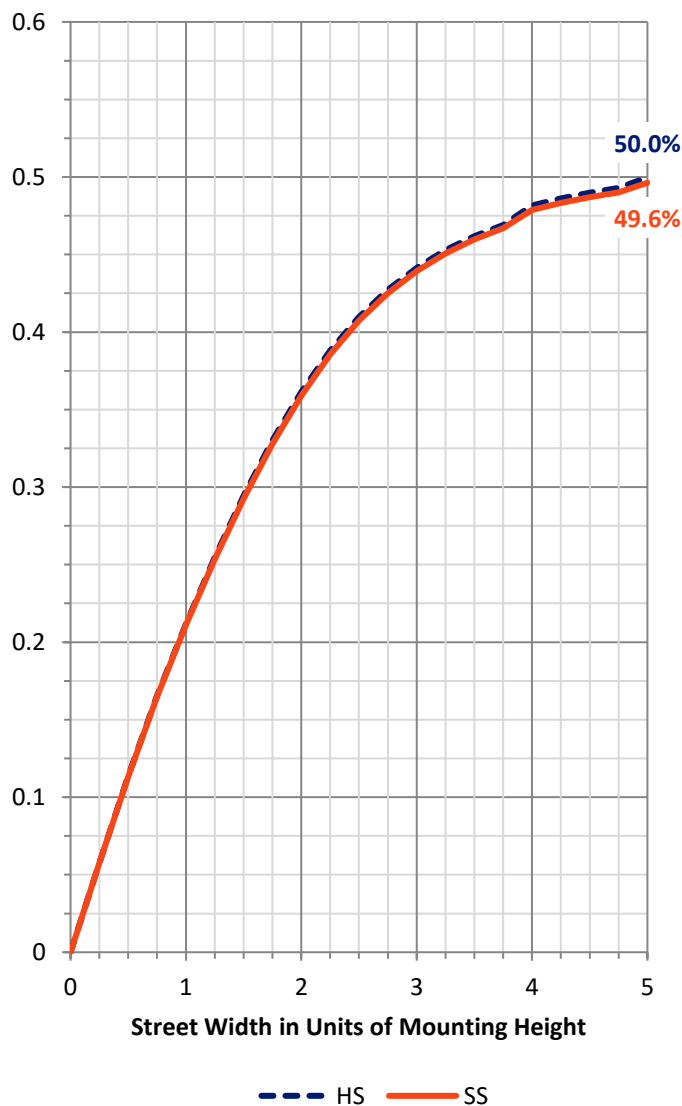
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1847.5	0.0	1847.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1847.5	0.0	1847.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3695.0	0.0	3695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.6
10°-20°	66.7	1.8
20°-30°	132.3	3.6
30°-40°	230.3	6.2
40°-50°	377.2	10.2
50°-60°	641.4	17.4
60°-70°	1066.3	28.9
70°-80°	994.6	26.9
80°-90°	165.5	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°	3695.0	100.0
0°-180°	3695.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507454

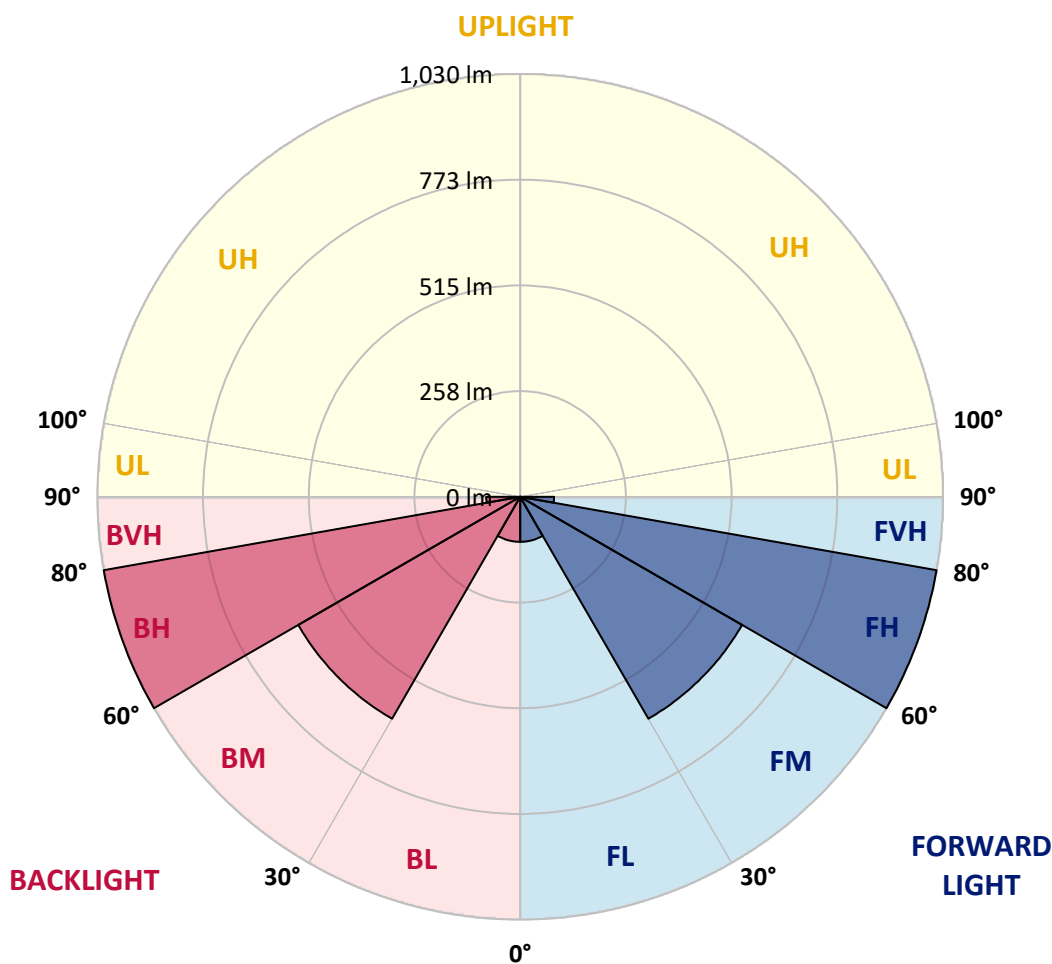
CATALOG NUMBER: VERD-S-CA1-20-740-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.8	3.0			
FM (30°-60°)	624.5	16.9			
FH (60°-80°)	1030.5	27.9			G1/1800
FVH (80°-90°)	82.7	2.2			G1/100
BL (0°-30°)	109.8	3.0	B0/110		
BM (30°-60°)	624.5	16.9	B1/1000		
BH (60°-80°)	1030.5	27.9	B3/2500		G1/1800
BVH (80°-90°)	82.7	2.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P507454

CATALOG NUMBER: VERD-S-CA1-20-740-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	213	213	213	213	213	213	213	213	213	213	213
2.5°	213	213	213	213	213	213	213	214	214	214	214
5°	215	215	214	214	214	215	215	215	215	216	216
7.5°	216	216	216	216	216	216	216	216	217	217	217
10°	220	220	220	220	220	220	220	220	220	220	220
12.5°	224	224	225	225	226	226	225	225	224	223	223
15°	231	231	232	233	235	235	234	233	231	230	230
17.5°	238	238	239	241	244	245	243	241	239	238	238
20°	248	249	250	252	257	259	256	252	251	251	251
22.5°	263	263	263	266	270	273	269	267	265	265	265
25°	279	279	279	280	286	289	285	282	281	282	282
27.5°	297	297	297	297	302	307	302	299	300	300	300
30°	316	316	317	317	319	325	320	319	320	321	321
32.5°	338	339	338	338	340	344	341	341	343	345	345
35°	361	361	361	361	362	366	364	364	367	370	370
37.5°	386	387	384	383	385	387	386	388	393	397	398
40°	413	413	410	407	407	408	410	414	421	426	427
42.5°	447	450	445	441	439	441	443	450	457	461	461
45°	492	493	487	480	475	473	476	483	491	499	499
47.5°	547	545	532	511	496	492	497	513	532	544	546
50°	616	614	594	563	536	530	533	557	585	603	606
52.5°	698	693	671	630	589	575	582	614	650	673	676
55°	782	779	756	710	658	632	641	684	729	753	755
57.5°	864	865	844	802	741	703	715	766	817	841	841
60°	942	941	926	893	846	802	817	859	904	926	928
62.5°	1017	1016	1011	990	963	931	932	960	996	1012	1015
65°	1114	1112	1105	1092	1096	1094	1061	1068	1102	1120	1121
67.5°	1121	1133	1156	1195	1251	1259	1217	1154	1137	1127	1126
70°	1038	1064	1112	1194	1346	1414	1287	1138	1084	1059	1058
72.5°	892	946	1009	1140	1352	1396	1294	1079	992	951	945
75°	691	743	848	1028	1272	1316	1216	968	856	816	804
77.5°	425	487	598	804	1053	1098	1018	772	652	589	592
80°	207	268	361	543	757	823	700	498	397	353	349
82.5°	90	122	174	272	430	460	356	246	196	175	173
85°	13	18	45	81	130	146	84	51	39	35	32
87.5°	9	9	9	10	12	13	11	10	9	9	9
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)