

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: P157570

Luminaire Tested: **VST-E05-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157570
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E05-LED-E-U-5WQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15787.5 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 127.3
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



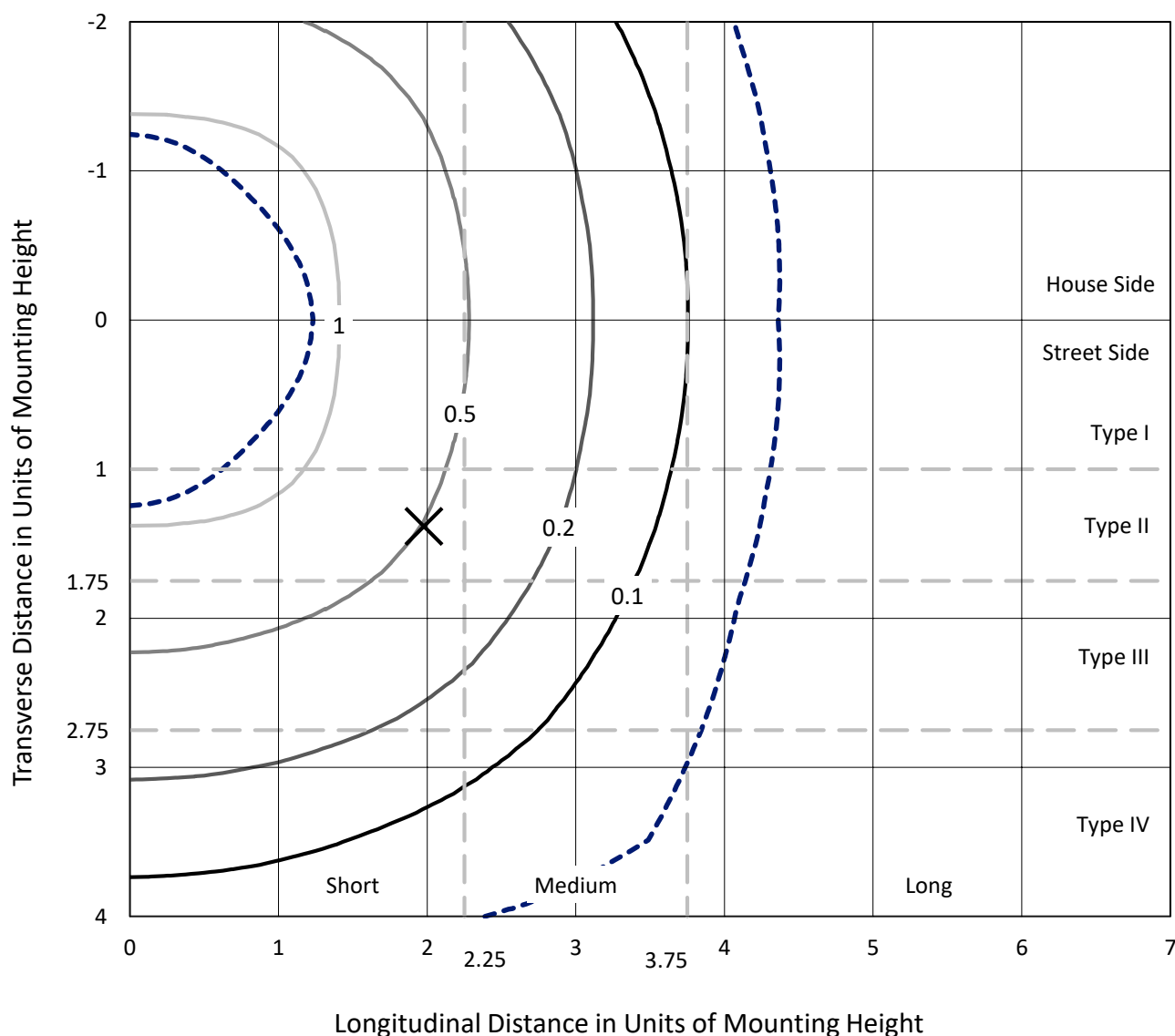
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

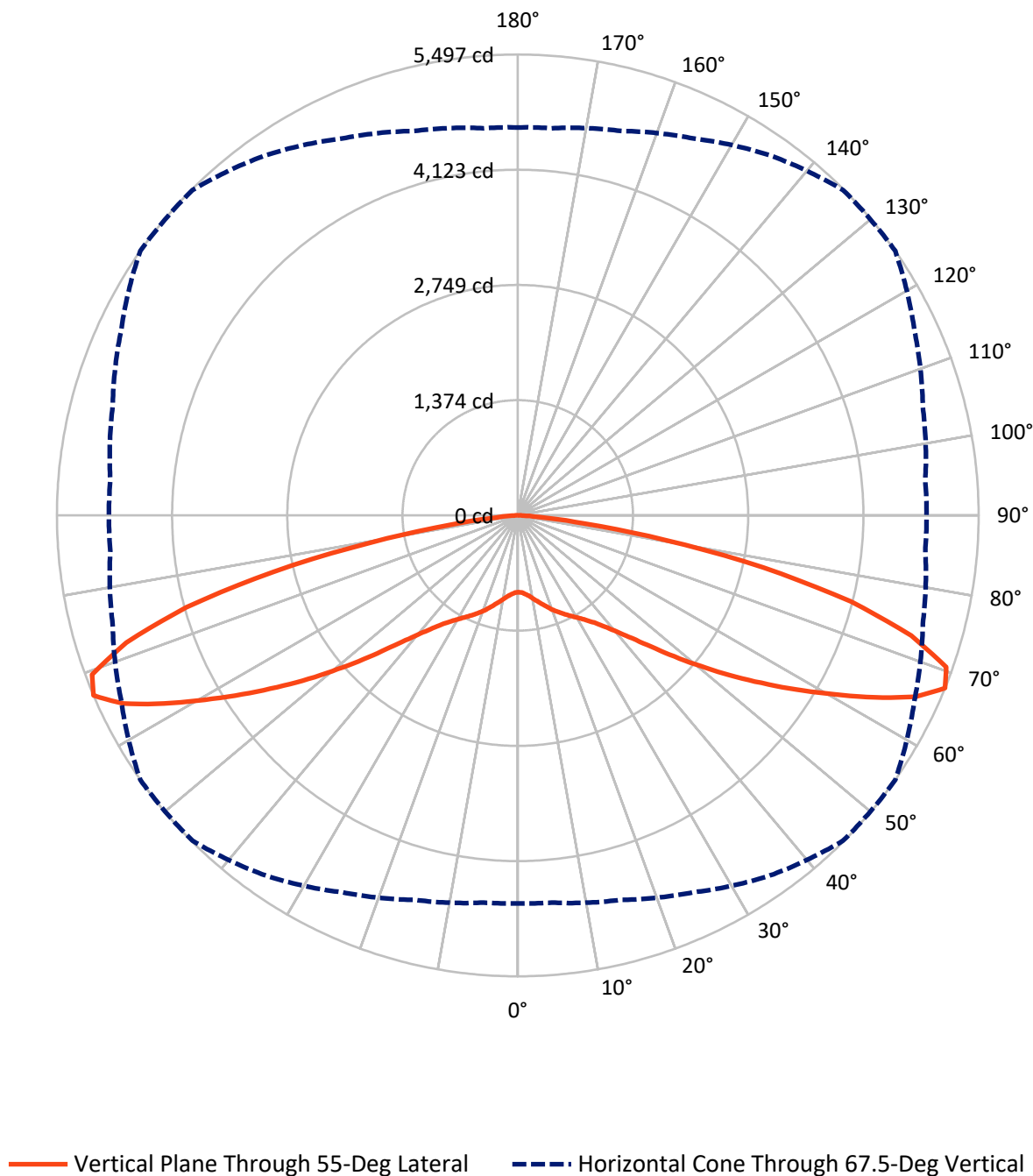


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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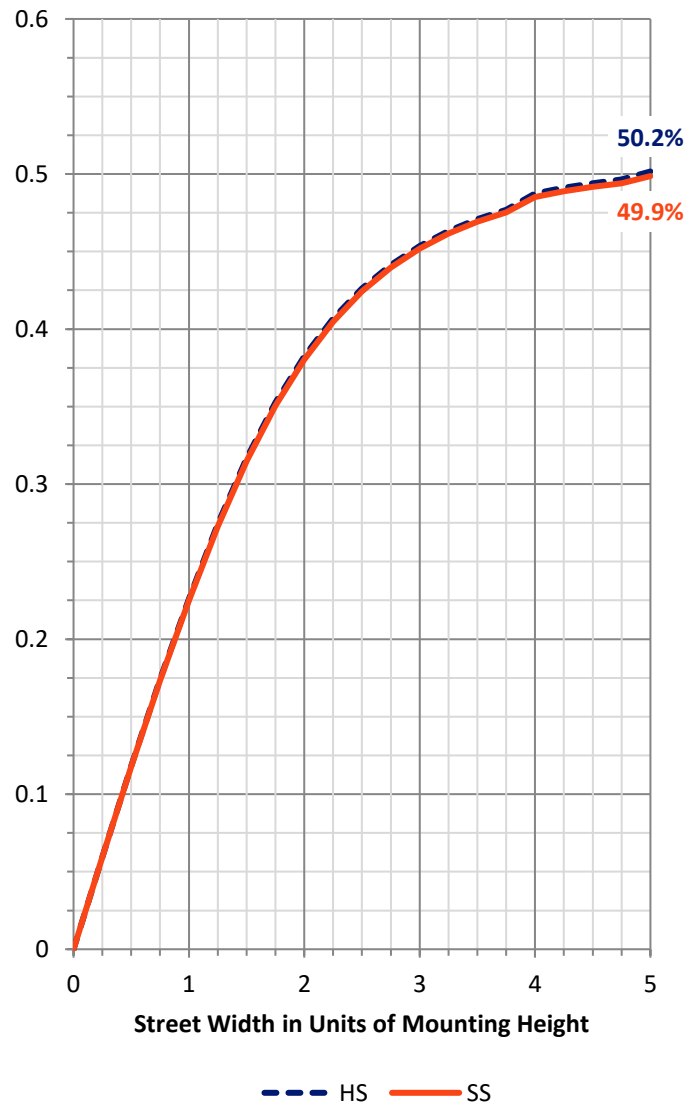
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7893.7	0.0	7893.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7893.7	0.0	7893.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15787.5	0.0	15787.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	0.6
10°-20°	314.1	2.0
20°-30°	604.0	3.8
30°-40°	989.4	6.3
40°-50°	1720.1	10.9
50°-60°	3070.2	19.4
60°-70°	4740.2	30.0
70°-80°	3837.2	24.3
80°-90°	420.3	2.7
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°	15787.5	100.0
0°-180°	15787.5	100.0

Coefficient of Utilization



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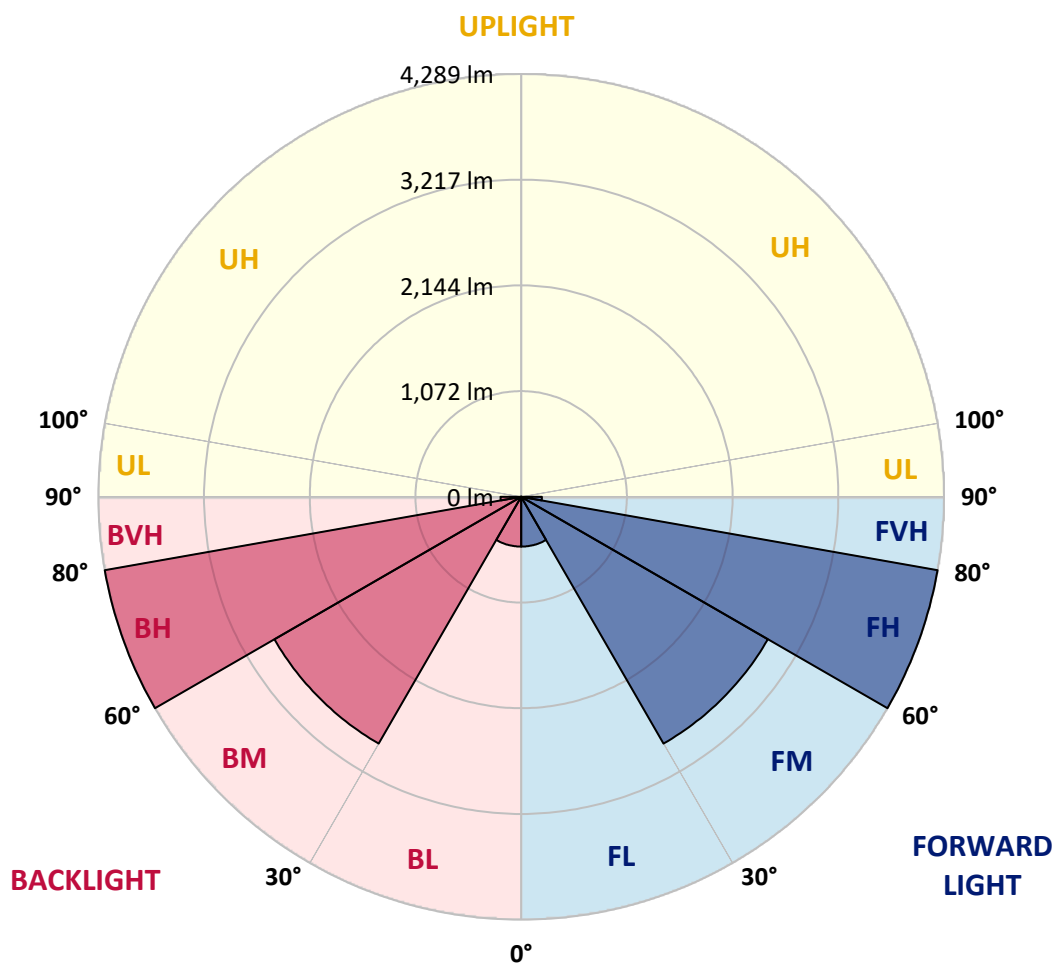
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	505.0	3.2			
FM	(30°-60°)	2889.8	18.3			
FH	(60°-80°)	4288.7	27.2			G2/5000
FVH	(80°-90°)	210.2	1.3			G2/225
BL	(0°-30°)	505.0	3.2	B2/1000		
BM	(30°-60°)	2889.8	18.3	B3/5000		
BH	(60°-80°)	4288.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	210.2	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	916	916	916	916	916	916	916	916	916	916	916
2.5°	922	923	922	922	921	921	921	922	922	924	923
5°	941	942	940	942	942	943	942	941	942	943	940
7.5°	968	970	969	970	971	970	970	969	971	970	968
10°	1003	1005	1004	1006	1007	1008	1008	1006	1005	1005	1004
12.5°	1045	1045	1045	1048	1050	1052	1051	1049	1046	1047	1043
15°	1091	1093	1093	1094	1099	1100	1099	1096	1095	1093	1091
17.5°	1142	1143	1144	1145	1151	1154	1150	1145	1145	1144	1144
20°	1195	1194	1196	1198	1202	1205	1204	1199	1195	1198	1197
22.5°	1244	1245	1246	1249	1256	1257	1254	1250	1245	1246	1246
25°	1290	1291	1293	1297	1305	1310	1306	1300	1293	1293	1294
27.5°	1337	1338	1339	1346	1356	1362	1359	1349	1341	1339	1336
30°	1389	1389	1391	1400	1413	1420	1416	1404	1392	1390	1390
32.5°	1455	1451	1454	1466	1480	1488	1485	1471	1456	1453	1453
35°	1534	1532	1534	1548	1565	1577	1570	1557	1541	1538	1536
37.5°	1628	1629	1635	1651	1674	1689	1682	1661	1642	1642	1642
40°	1747	1749	1761	1785	1818	1831	1823	1797	1775	1767	1769
42.5°	1909	1908	1927	1957	1996	2015	2002	1974	1942	1929	1930
45°	2100	2114	2134	2172	2221	2254	2231	2200	2152	2133	2132
47.5°	2331	2346	2371	2434	2493	2533	2515	2464	2395	2368	2358
50°	2594	2613	2645	2726	2810	2855	2823	2756	2682	2641	2631
52.5°	2890	2896	2944	3042	3146	3201	3165	3085	2990	2952	2924
55°	3218	3223	3278	3389	3507	3572	3526	3425	3337	3271	3277
57.5°	3522	3537	3618	3748	3887	3966	3916	3809	3717	3642	3651
60°	3847	3863	3948	4103	4291	4396	4331	4216	4121	4050	4041
62.5°	4192	4201	4294	4433	4673	4842	4780	4653	4542	4472	4465
65°	4511	4523	4602	4754	5001	5248	5213	5037	4887	4786	4772
67.5°	4627	4635	4746	4959	5243	5487	5497	5220	5002	4879	4876
70°	4491	4497	4639	4892	5254	5457	5421	5143	4875	4724	4709
72.5°	4186	4187	4317	4532	4895	5061	4908	4755	4478	4365	4335
75°	3631	3632	3722	3865	4124	4277	4103	3963	3800	3733	3698
77.5°	2497	2512	2605	2770	3054	3223	2995	2741	2642	2585	2551
80°	1202	1225	1332	1495	1792	2062	1781	1468	1275	1118	1146
82.5°	321	325	417	599	835	980	796	557	351	236	216
85°	85	90	126	173	263	335	256	163	124	92	84
87.5°	23	27	44	53	66	53	66	57	55	29	21
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)