

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: P148040

Luminaire Tested: **AVM-E03-LED-E-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P148040  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-E03-LED-E-U-5WQ  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (63) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9551.4 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

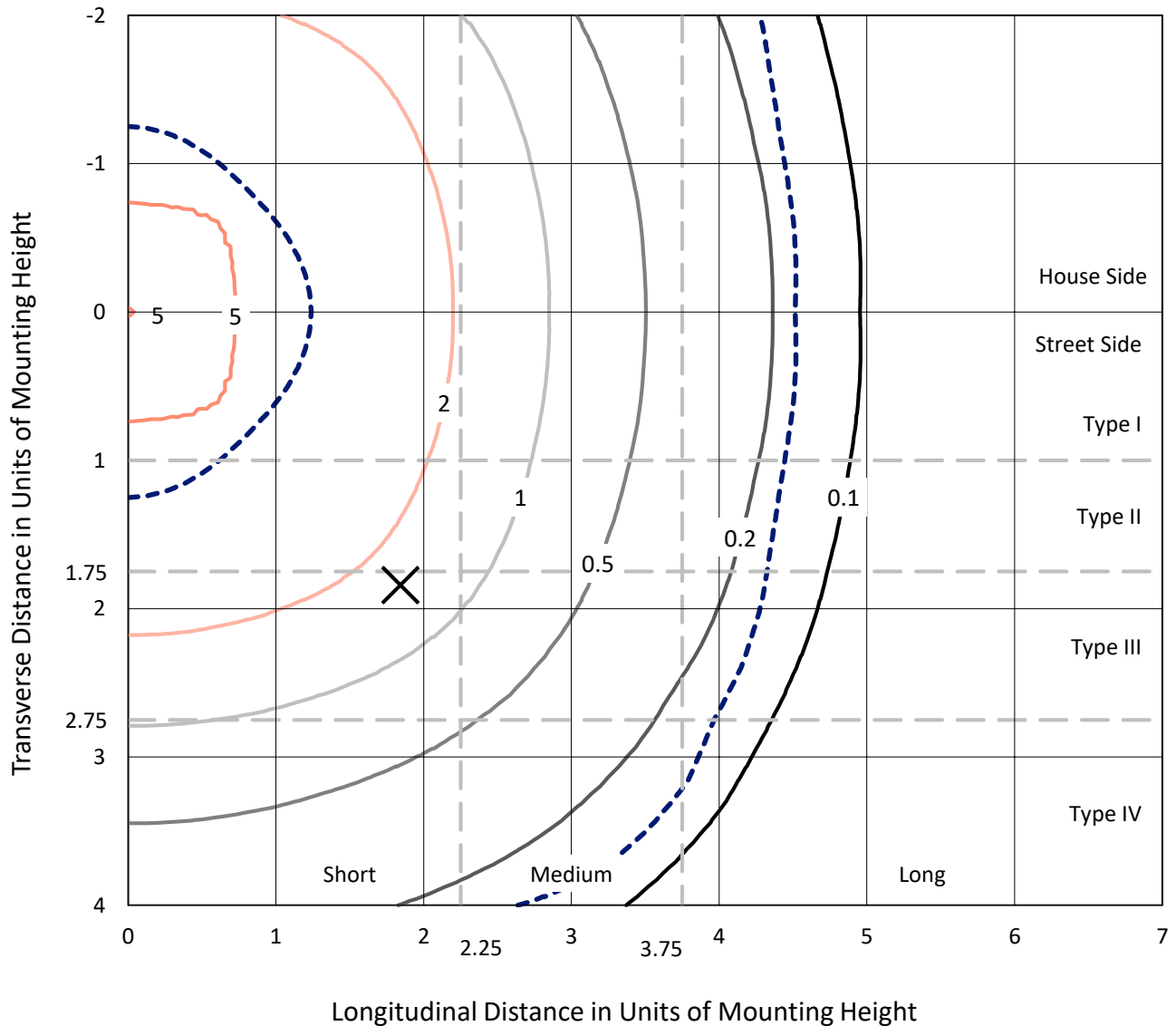


REPORT NUMBER: P148040

CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

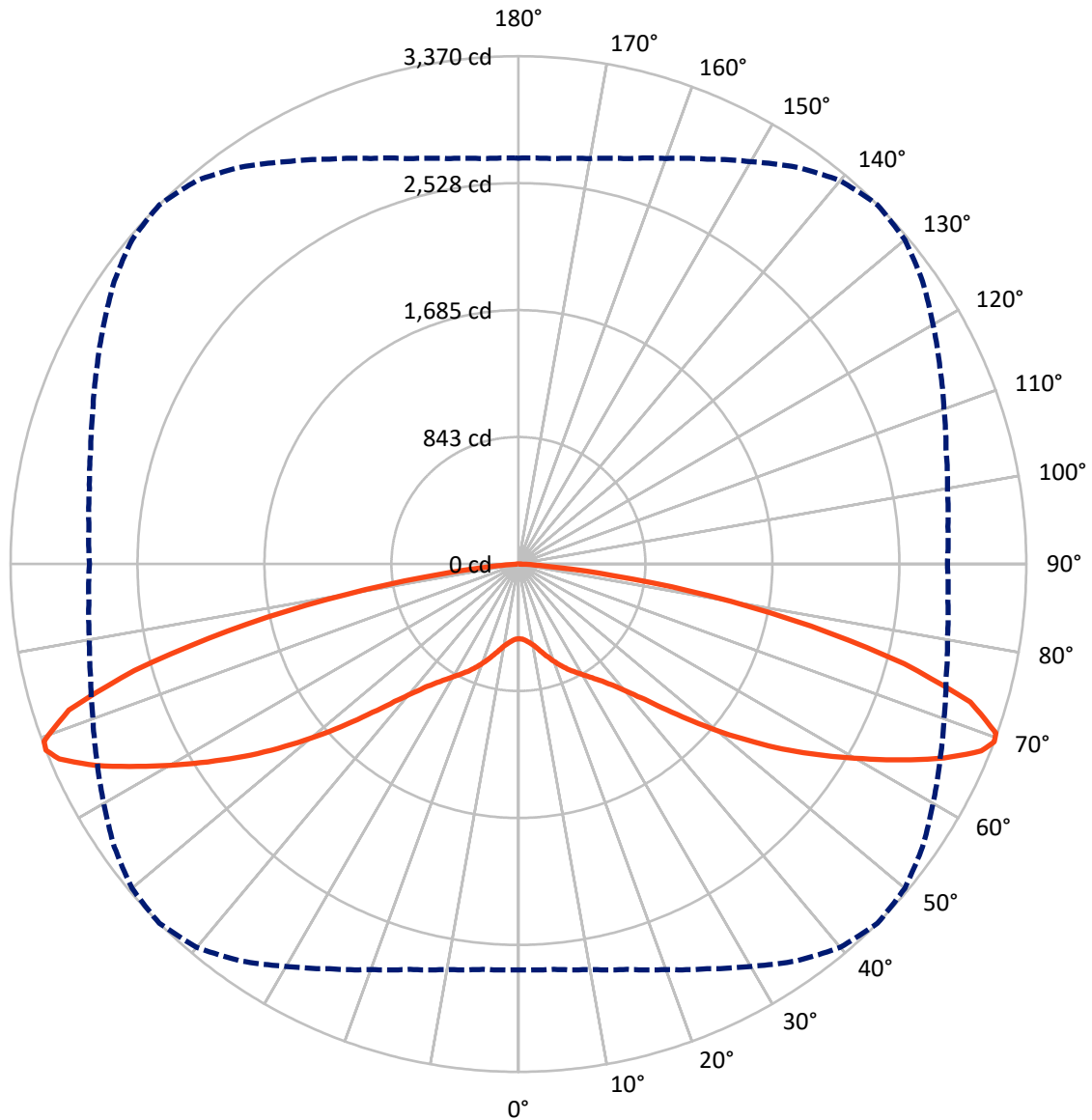


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P148040

CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P148040

CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4775.7	0.0	4775.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4775.7	0.0	4775.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9551.4	0.0	9551.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	0.5
10°-20°	175.9	1.8
20°-30°	356.1	3.7
30°-40°	597.1	6.3
40°-50°	1053.2	11.0
50°-60°	1857.2	19.4
60°-70°	2835.4	29.7
70°-80°	2369.3	24.8
80°-90°	257.4	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°	9551.4	100.0
0°-180°	9551.4	100.0



REPORT NUMBER: P148040

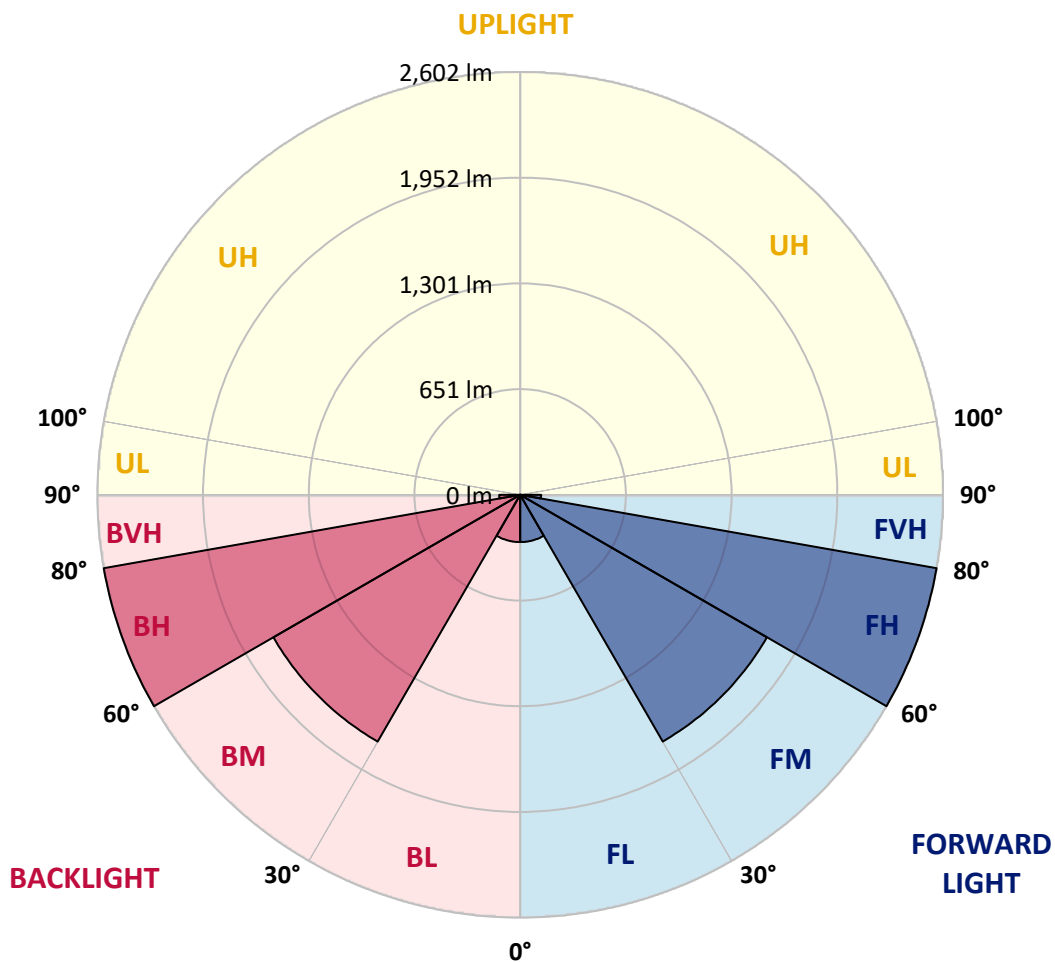
CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.9	3.0			
FM	(30°-60°)	1753.7	18.4			
FH	(60°-80°)	2602.4	27.2			G2/5000
FVH	(80°-90°)	128.7	1.3			G2/225
BL	(0°-30°)	290.9	3.0	B1/500		
BM	(30°-60°)	1753.7	18.4	B2/2500		
BH	(60°-80°)	2602.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	128.7	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





REPORT NUMBER: P148040

CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	496	496	496	496	496	496	496	496	496	496	496
2.5°	500	501	500	500	500	500	500	499	499	499	500
5°	510	511	510	511	511	511	511	510	510	510	510
7.5°	526	526	526	527	526	526	527	526	526	526	526
10°	549	548	548	548	548	548	549	549	549	548	548
12.5°	577	576	577	577	578	578	578	578	578	578	577
15°	611	611	611	612	614	614	613	614	614	614	614
17.5°	649	651	649	650	651	650	652	653	654	653	650
20°	688	689	689	689	689	691	692	692	695	694	693
22.5°	725	727	727	728	728	731	731	731	733	735	733
25°	764	763	763	765	766	770	770	772	775	776	774
27.5°	799	798	798	801	802	807	807	811	813	814	812
30°	836	836	835	838	841	845	847	851	854	855	853
32.5°	880	878	879	881	883	887	890	895	899	900	898
35°	930	927	928	930	933	939	944	947	953	955	951
37.5°	985	986	985	990	995	1002	1008	1012	1018	1021	1018
40°	1063	1060	1063	1068	1076	1085	1097	1100	1106	1112	1105
42.5°	1164	1162	1169	1173	1182	1192	1207	1215	1224	1228	1222
45°	1296	1296	1304	1305	1319	1332	1353	1363	1380	1380	1380
47.5°	1442	1448	1453	1463	1473	1497	1518	1540	1556	1558	1555
50°	1593	1599	1614	1628	1650	1680	1703	1732	1746	1758	1754
52.5°	1760	1761	1779	1797	1829	1862	1899	1929	1954	1965	1956
55°	1943	1945	1961	1980	2016	2054	2100	2131	2163	2183	2168
57.5°	2141	2142	2158	2181	2224	2262	2306	2350	2380	2398	2388
60°	2360	2365	2377	2406	2447	2487	2531	2570	2605	2624	2614
62.5°	2594	2599	2616	2639	2675	2719	2761	2811	2840	2861	2846
65°	2751	2760	2787	2818	2871	2928	2977	3045	3080	3105	3091
67.5°	2761	2766	2799	2846	2917	3003	3103	3209	3278	3311	3287
69°	2693	2700	2732	2785	2864	2964	3083	3215	3321	3370	3347
70°	2616	2631	2666	2724	2801	2906	3029	3170	3294	3361	3344
72.5°	2454	2458	2481	2527	2586	2673	2789	2922	3040	3136	3150
75°	2178	2191	2208	2239	2269	2332	2410	2501	2570	2644	2647
77.5°	1646	1685	1698	1705	1718	1768	1836	1915	1972	1984	1982
80°	739	791	803	860	895	978	1082	1203	1284	1293	1271
82.5°	145	155	181	226	308	357	425	510	588	633	606
85°	48	51	59	65	75	85	103	128	159	176	157
87.5°	19	19	22	24	26	26	26	24	23	19	17
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P148040

CATALOG NUMBER: AVM-E03-LED-E-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	496	496	496	496	496	496	496	496
2.5°	499	499	499	499	499	499	499	499
5°	510	509	509	508	508	508	508	508
7.5°	525	524	523	524	523	523	523	523
10°	548	546	545	544	544	544	543	543
12.5°	575	575	574	573	571	572	571	569
15°	612	610	609	608	606	606	606	605
17.5°	649	647	647	644	643	643	643	644
20°	690	687	685	683	681	682	680	682
22.5°	731	727	725	722	719	719	718	716
25°	771	766	764	761	757	757	755	753
27.5°	809	804	802	796	792	791	789	788
30°	851	845	842	836	830	829	826	826
32.5°	895	889	887	878	873	873	871	869
35°	950	941	939	930	923	923	921	922
37.5°	1015	1008	1001	994	986	985	983	981
40°	1102	1094	1086	1076	1069	1067	1064	1063
42.5°	1218	1210	1194	1186	1179	1173	1172	1171
45°	1366	1356	1345	1330	1321	1308	1306	1301
47.5°	1544	1525	1506	1493	1479	1464	1461	1453
50°	1733	1718	1686	1665	1643	1628	1618	1615
52.5°	1936	1908	1876	1848	1816	1796	1778	1773
55°	2148	2108	2068	2035	2003	1979	1962	1954
57.5°	2360	2316	2272	2236	2209	2178	2161	2157
60°	2581	2539	2494	2458	2425	2398	2388	2369
62.5°	2815	2771	2729	2694	2652	2633	2616	2605
65°	3045	2994	2941	2904	2862	2835	2814	2799
67.5°	3223	3146	3075	3013	2956	2914	2887	2873
69°	3273	3177	3086	3005	2938	2891	2861	2847
70°	3267	3161	3061	2972	2899	2849	2820	2794
72.5°	3082	2985	2874	2777	2711	2663	2634	2620
75°	2630	2565	2485	2410	2362	2334	2298	2299
77.5°	1915	1917	1863	1786	1732	1722	1706	1690
80°	1188	1093	1031	948	887	834	811	761
82.5°	548	428	332	251	193	151	132	108
85°	122	93	77	62	53	49	40	37
87.5°	17	15	14	13	11	8	6	5
90°	0	0	0	0	0	0	0	0

(END OF REPORT)