

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: P416845

Luminaire Tested: **LXF.LXT-PA1-80-760-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-760-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9741.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

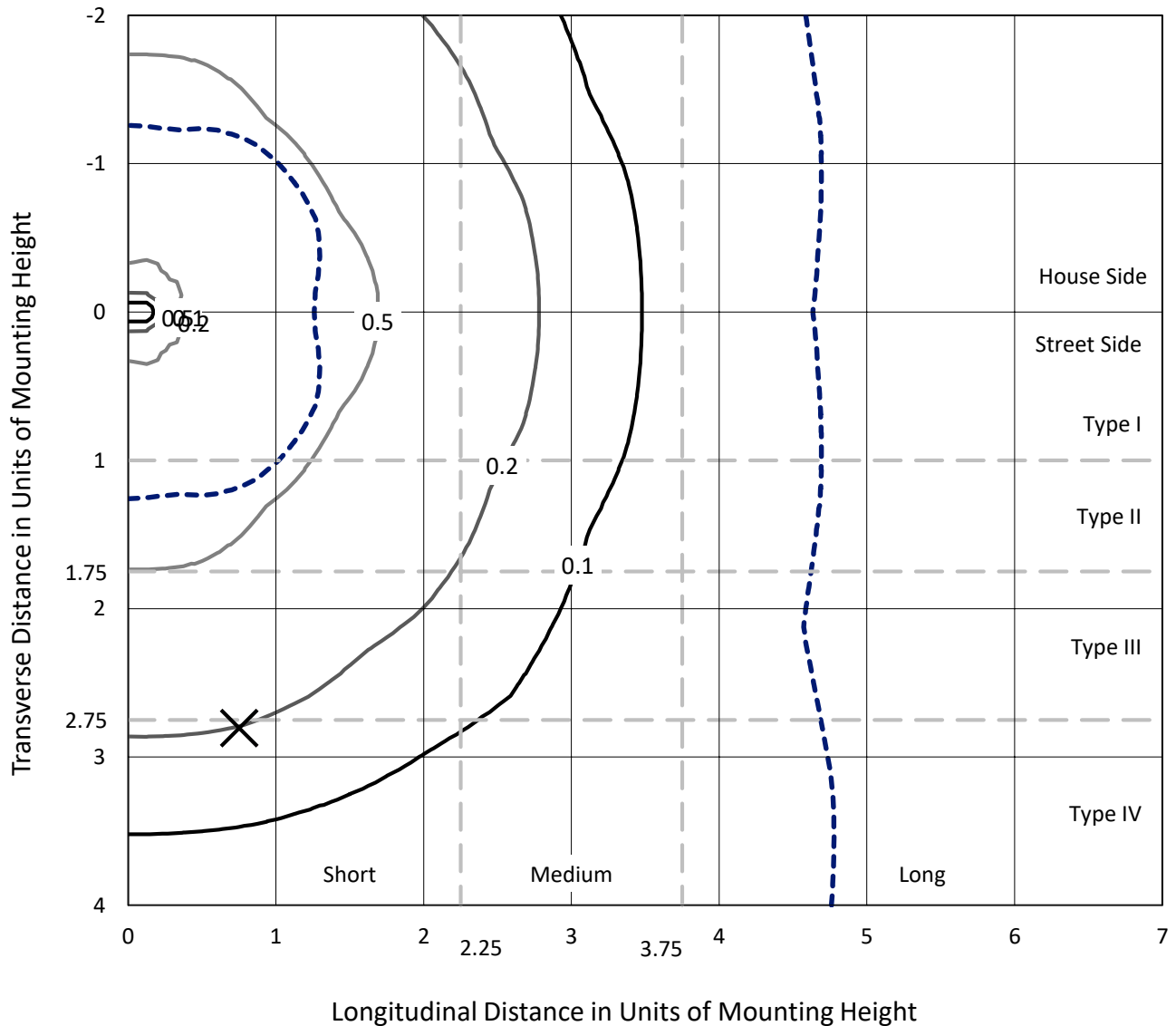
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

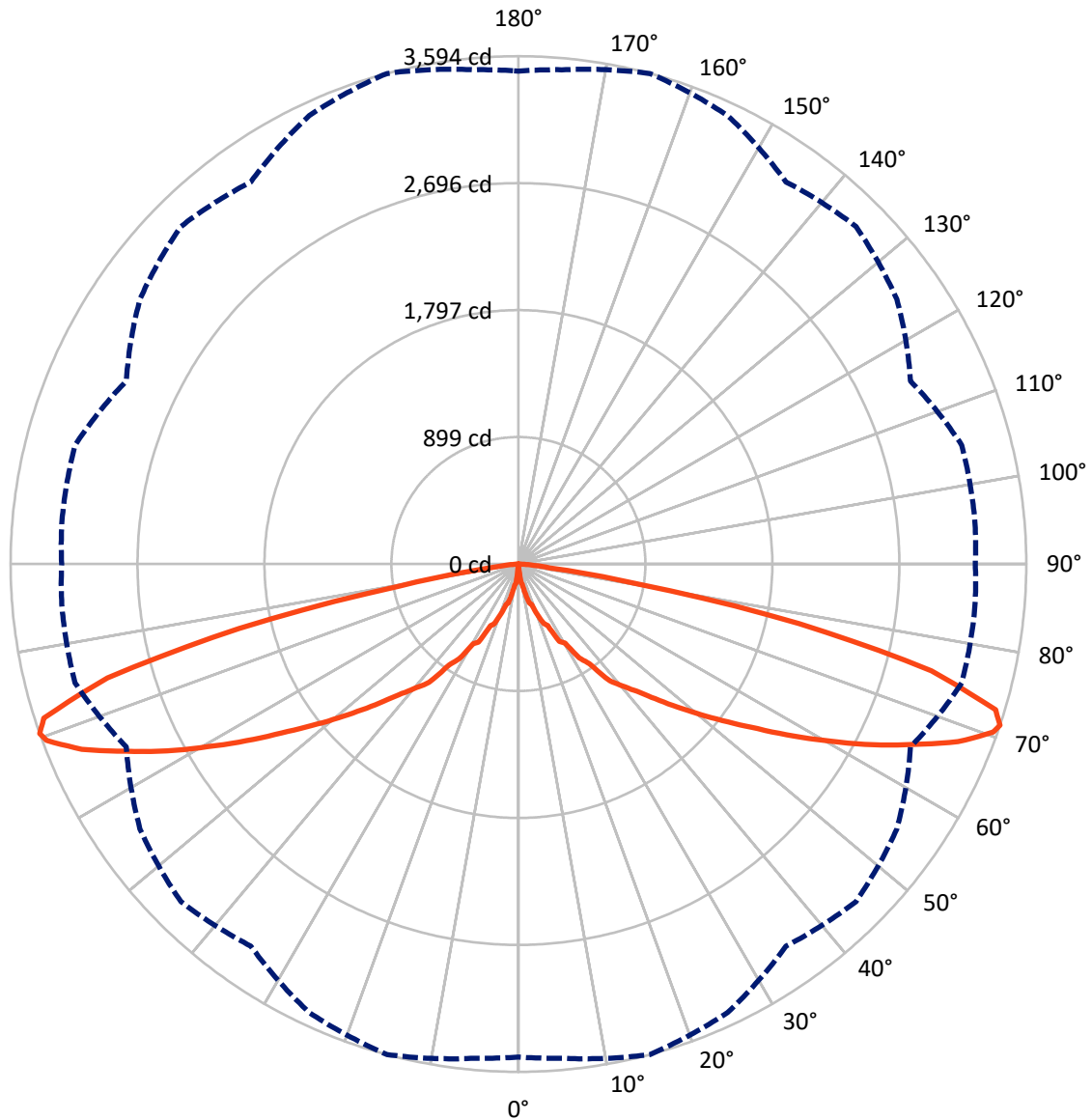
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416845
CATALOG NUMBER: LXF.LXT-PA1-80-760-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-80-760-U-5WQ

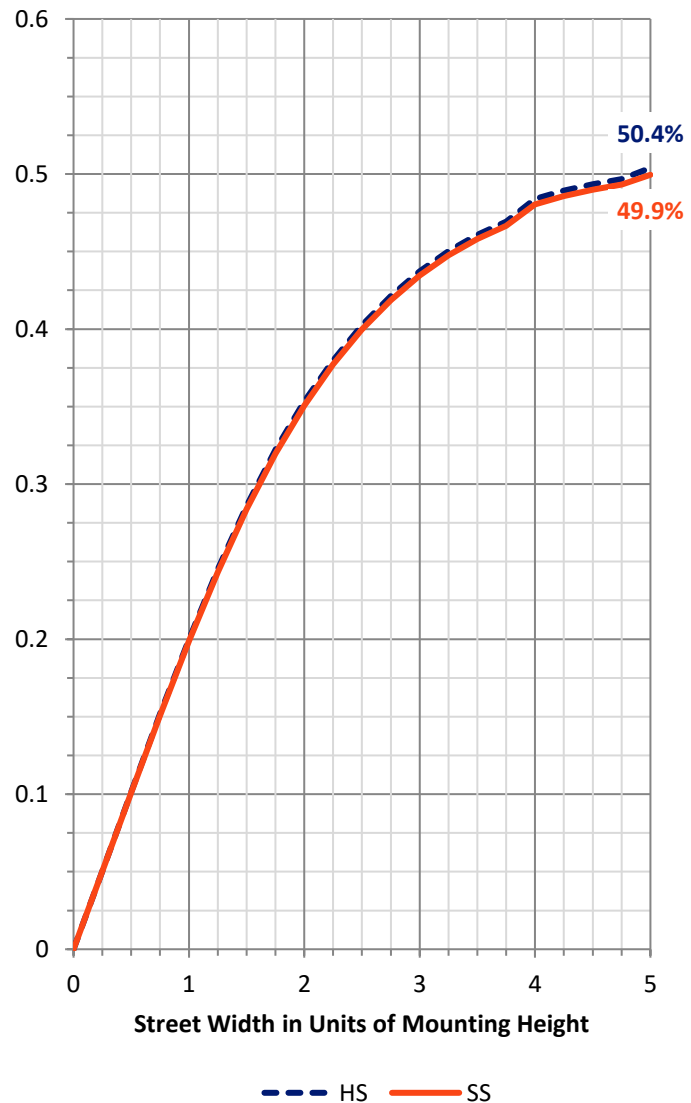
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4870.6	0.0	4870.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4870.6	0.0	4870.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9741.1	0.0	9741.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.0
10°-20°	64.6	0.7
20°-30°	244.0	2.5
30°-40°	552.6	5.7
40°-50°	987.5	10.1
50°-60°	1737.8	17.8
60°-70°	2874.8	29.5
70°-80°	2907.2	29.8
80°-90°	368.3	3.8
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°	9741.1	100.0
0°-180°	9741.1	100.0



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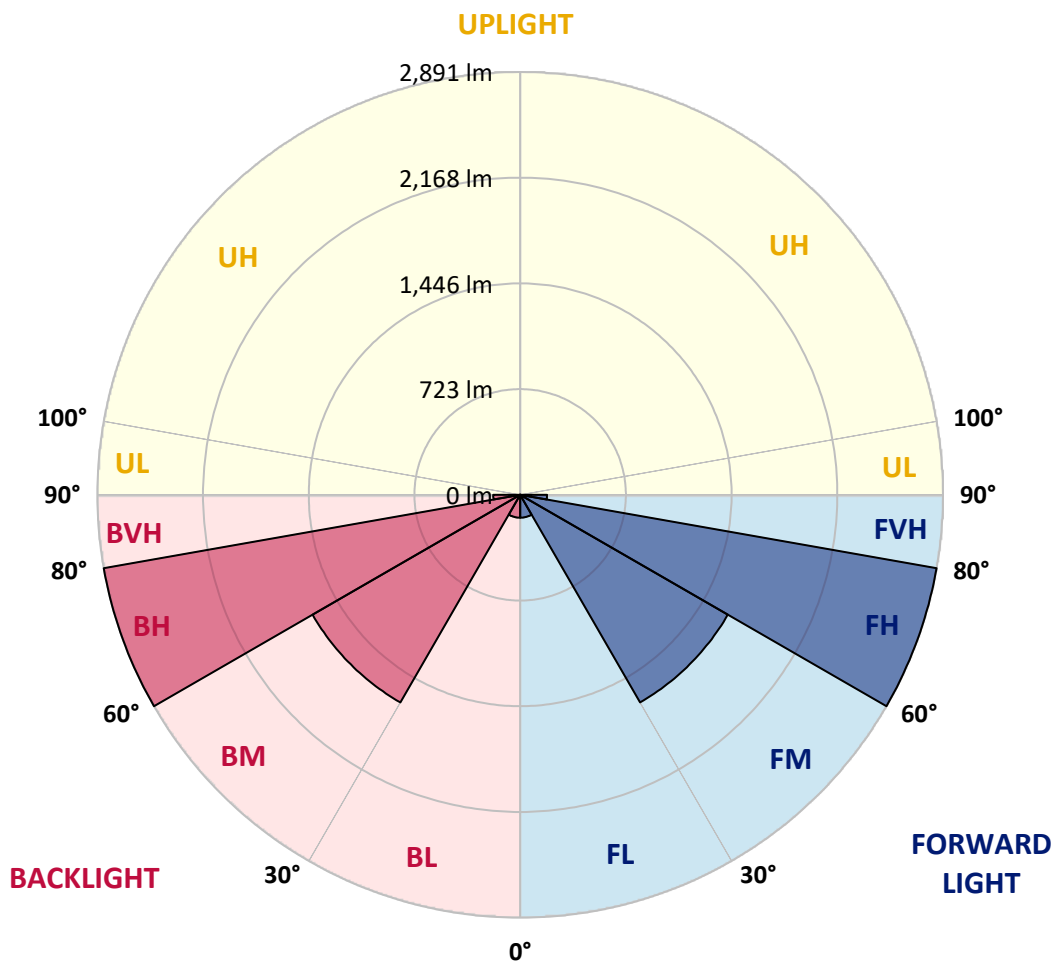
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	1.6			
FM	(30°-60°)	1638.9	16.8			
FH	(60°-80°)	2891.0	29.7			G2/5000
FVH	(80°-90°)	184.2	1.9			G2/225
BL	(0°-30°)	156.5	1.6	B1/500		
BM	(30°-60°)	1638.9	16.8	B2/2500		
BH	(60°-80°)	2891.0	29.7	B4/5000		G2/5000
BVH	(80°-90°)	184.2	1.9			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°	1	1	1	1	1	1	1	1	1	1	1
2.5°	3	3	2	2	2	1	1	1	1	1	1
5°	60	43	21	17	12	4	2	2	2	1	1
7.5°	135	134	132	115	81	60	13	3	2	2	2
10°	150	149	148	145	141	128	67	13	5	6	6
12.5°	216	215	206	160	146	143	121	62	53	100	106
15°	295	294	284	244	209	154	200	222	198	219	219
17.5°	313	310	300	290	276	268	295	284	220	235	235
20°	421	400	380	323	299	392	318	310	348	411	422
22.5°	467	466	456	430	425	411	396	451	460	468	471
25°	550	544	482	461	528	450	534	488	504	578	586
27.5°	635	633	620	553	553	598	562	590	672	701	712
30°	710	672	648	659	613	641	643	691	711	748	758
32.5°	834	831	792	718	720	679	735	731	894	978	1000
35°	925	932	866	837	769	809	786	889	942	1038	1052
37.5°	1104	1103	1049	905	856	855	897	935	1015	1103	1112
40°	1181	1179	1134	1049	923	932	956	991	1080	1180	1185
42.5°	1288	1278	1232	1119	1051	1033	1039	1082	1167	1286	1281
45°	1396	1399	1359	1230	1163	1126	1137	1194	1289	1407	1406
47.5°	1527	1531	1512	1351	1292	1241	1262	1319	1423	1538	1536
50°	1689	1688	1675	1499	1438	1388	1404	1452	1562	1676	1688
52.5°	1854	1858	1856	1678	1611	1563	1578	1623	1730	1844	1854
55°	2040	2059	2057	1909	1804	1791	1800	1810	1928	2039	2041
57.5°	2270	2279	2297	2170	2052	2045	2028	2024	2140	2232	2218
60°	2509	2518	2547	2465	2335	2349	2293	2232	2343	2417	2409
62.5°	2738	2759	2816	2750	2630	2673	2566	2463	2566	2627	2615
65°	2984	3010	3077	3051	2880	2971	2857	2685	2825	2855	2857
67.5°	3255	3276	3356	3309	3097	3195	3101	2903	3057	3046	3035
70°	3464	3490	3564	3466	3255	3337	3244	3041	3220	3226	3217
71°	3489	3511	3594	3502	3301	3378	3269	3062	3248	3244	3233
72.5°	3406	3433	3531	3472	3337	3429	3268	3028	3208	3171	3156
75°	2885	2899	3019	3127	3207	3407	3086	2761	2881	2824	2817
77.5°	1753	1789	2029	2360	2746	3067	2685	2233	2186	2017	1951
80°	605	668	858	1207	1847	2370	1893	1365	1021	769	711
82.5°	101	147	223	378	830	1347	935	451	293	205	198
85°	34	40	85	105	194	371	218	125	108	69	64
87.5°	5	7	11	12	17	10	18	19	15	10	6
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)