

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: P416738

Luminaire Tested: **LXF.LXT-PA1-80-740-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8969.1 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U3 - G4

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

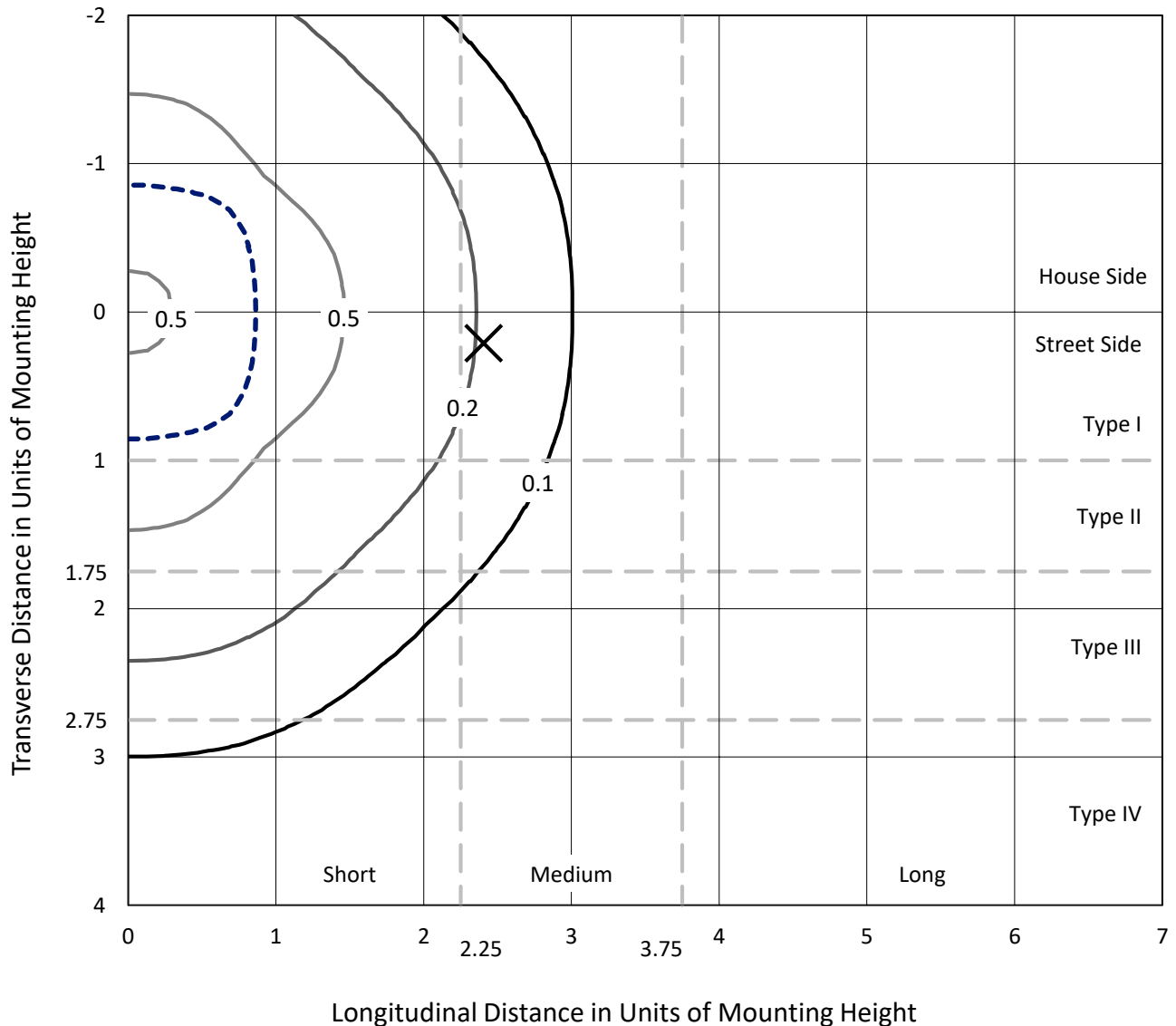


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Iso-Footcandle Lines of Horizontal Illumination

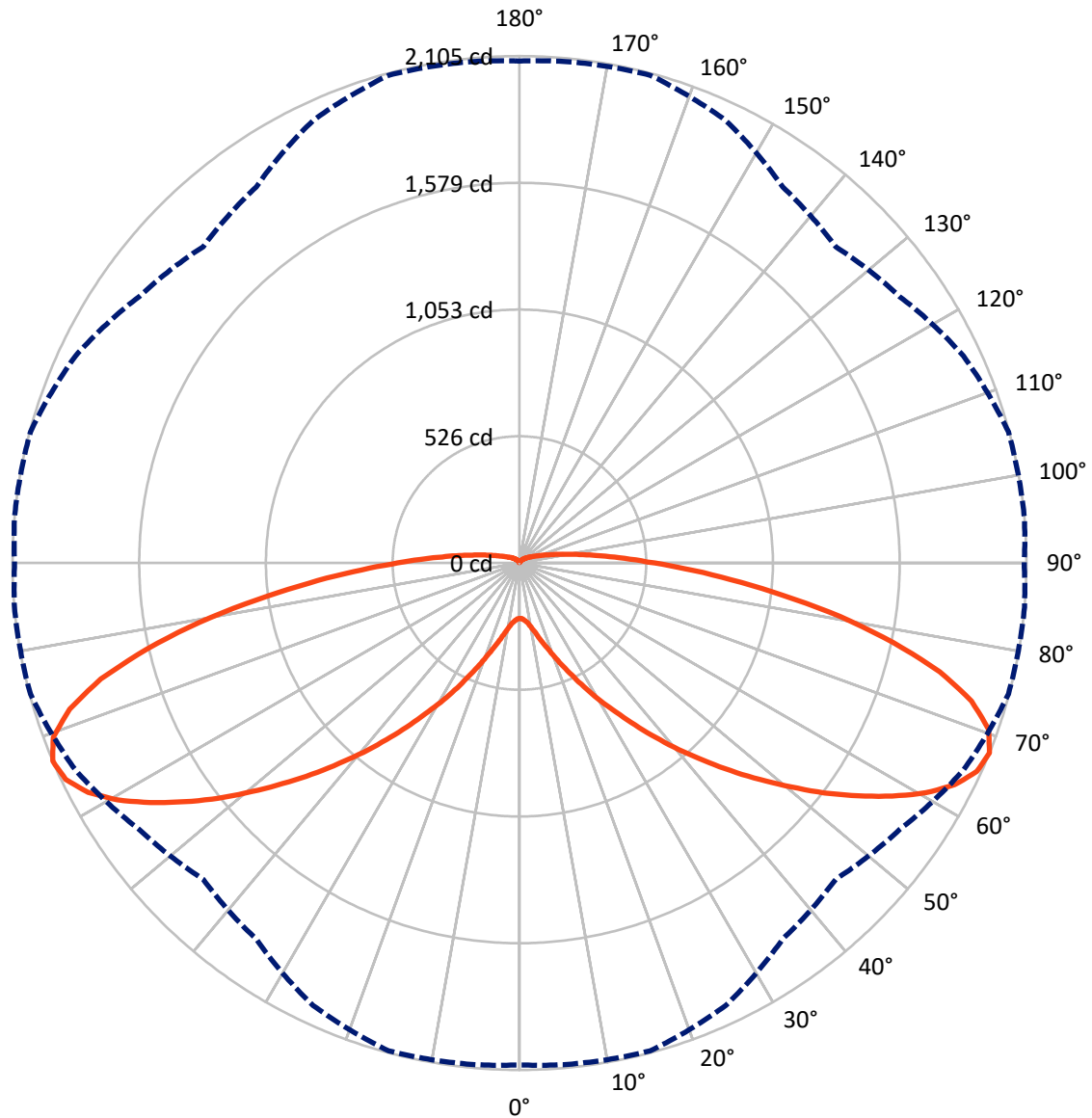
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4067.1	417.5	4484.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	4067.1	417.5	4484.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	8134.1	835.0	8969.1
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.3
10°-20°	97.5	1.1
20°-30°	246.5	2.7
30°-40°	507.4	5.7
40°-50°	912.2	10.2
50°-60°	1458.1	16.3
60°-70°	1951.0	21.8
70°-80°	1848.7	20.6
80°-90°	1088.9	12.1
90°-100°	470.4	5.2
100°-110°	200.3	2.2
110°-120°	92.2	1.0
120°-130°	44.1	0.5
130°-140°	19.7	0.2
140°-150°	6.7	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8134.1	90.7
0°-180°	8969.1	100.0



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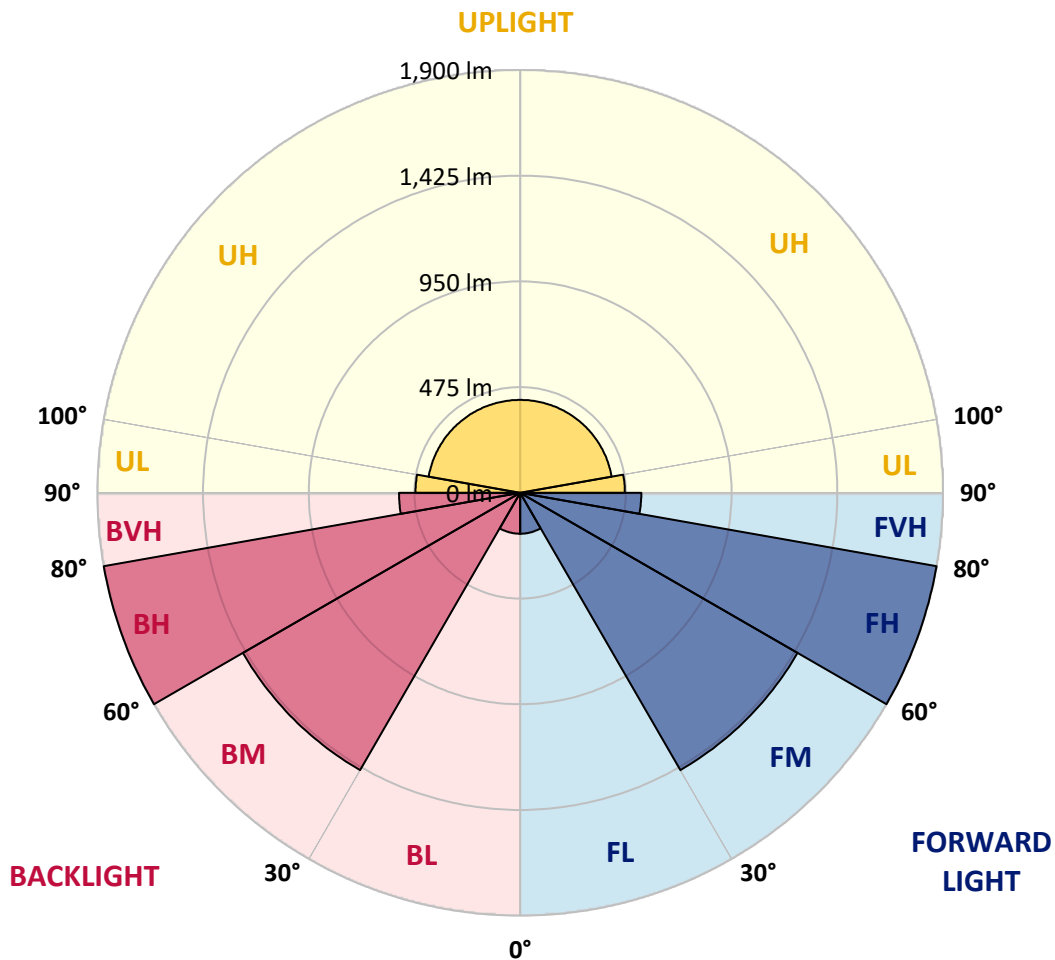
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.0	2.1			
FM	(30°-60°)	1438.8	16.0			
FH	(60°-80°)	1899.8	21.2			G2/5000
FVH	(80°-90°)	544.4	6.1			G4/750
BL	(0°-30°)	184.0	2.1	B1/500		
BM	(30°-60°)	1438.8	16.0	B2/2500		
BH	(60°-80°)	1899.8	21.2	B3/2500		G2/5000
BVH	(80°-90°)	544.4	6.1			G4/750
UL	(90°-100°)	470.4	5.2		U3/500	
UH	(100°-180°)	417.5	4.7		U3/500	

BUG Rating: B3-U3-G4

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	230	230	230	230	230	230	230	230	230	230	230
2.5°	232	231	232	232	233	233	233	233	232	232	232
5°	240	240	240	240	241	241	241	240	240	240	240
7.5°	255	254	255	254	254	253	254	253	252	252	252
10°	274	274	274	273	273	273	271	271	271	272	271
12.5°	305	303	303	299	297	296	295	295	298	298	296
15°	341	340	340	335	331	325	326	330	330	332	331
17.5°	384	383	380	375	370	366	364	366	368	369	370
20°	431	430	426	421	416	414	407	410	412	414	413
22.5°	481	481	477	470	465	461	458	455	462	466	467
25°	542	540	533	525	519	516	512	512	517	525	527
27.5°	606	604	594	585	577	570	568	571	580	592	592
30°	677	673	664	650	637	630	632	637	650	664	663
32.5°	755	748	738	722	703	693	696	710	723	738	740
35°	838	837	821	800	776	760	766	785	805	826	829
37.5°	923	926	907	884	849	830	843	870	895	918	920
40°	1027	1024	1005	971	929	908	919	957	989	1018	1020
42.5°	1134	1126	1110	1069	1013	994	1010	1053	1096	1120	1121
45°	1235	1238	1220	1171	1109	1080	1103	1154	1204	1230	1233
47.5°	1362	1354	1338	1275	1205	1176	1202	1264	1319	1343	1342
50°	1486	1481	1458	1392	1313	1278	1304	1380	1440	1461	1466
52.5°	1604	1602	1582	1509	1424	1381	1417	1496	1565	1586	1588
55°	1725	1719	1704	1628	1531	1483	1528	1616	1687	1707	1708
57.5°	1833	1837	1825	1745	1633	1587	1637	1735	1807	1826	1829
60°	1941	1942	1933	1855	1736	1684	1742	1844	1921	1938	1939
62.5°	2026	2028	2021	1936	1817	1767	1831	1937	2016	2028	2027
65°	2078	2084	2080	2003	1876	1830	1897	2008	2080	2087	2084
67.5°	2084	2091	2097	2027	1906	1857	1928	2034	2102	2105	2096
70°	2040	2047	2061	2003	1891	1850	1918	2013	2070	2066	2056
72.5°	1927	1942	1963	1924	1830	1796	1863	1939	1978	1963	1949
75°	1765	1780	1820	1798	1726	1707	1757	1814	1825	1803	1784
77.5°	1568	1587	1624	1641	1593	1574	1616	1646	1634	1586	1572
80°	1338	1368	1407	1434	1422	1416	1437	1434	1390	1352	1328
82.5°	1128	1134	1194	1228	1232	1234	1240	1204	1153	1102	1080
85°	922	924	974	1023	1042	1048	1037	989	936	879	864
87.5°	739	742	786	836	869	873	852	805	739	688	675
90°	584	594	638	679	714	720	690	640	579	530	522
92.5°	467	472	512	550	583	584	563	512	458	414	404
95°	375	379	411	446	473	479	455	410	360	322	320
97.5°	299	304	329	366	386	390	374	332	286	252	252
100°	240	243	265	296	317	321	305	268	228	198	196
102.5°	195	197	215	243	262	266	252	222	183	159	158
105°	160	161	175	201	219	222	209	183	148	128	127
107.5°	131	132	143	167	184	187	176	150	120	106	104
110°	110	111	119	138	155	159	148	125	99	87	87



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	93	94	100	116	131	136	125	104	83	74	73
115°	79	80	84	98	110	114	106	87	70	63	63
117.5°	69	70	72	83	94	97	89	73	59	55	55
120°	61	61	62	70	79	82	75	62	51	48	48
122.5°	53	53	54	60	67	69	63	52	44	43	42
125°	47	47	47	51	57	58	53	44	39	38	38
127.5°	41	41	41	43	47	48	44	37	34	33	33
130°	36	36	36	37	39	40	36	32	30	30	30
132.5°	32	32	31	31	32	32	30	27	26	26	26
135°	28	28	27	26	26	25	23	22	23	23	23
137.5°	24	24	23	22	21	20	19	18	19	20	20
140°	20	20	19	17	16	15	14	15	16	17	17
142.5°	16	16	16	14	12	11	11	12	13	14	14
145°	13	13	12	11	9	8	8	9	11	11	11
147.5°	10	10	9	8	6	5	6	7	8	9	9
150°	7	7	7	6	4	4	4	5	6	6	6
152.5°	4	4	4	4	3	2	3	4	4	4	4
155°	3	3	3	3	2	2	2	3	3	3	3
157.5°	1	1	1	2	2	2	2	2	2	2	2
160°	0	0	1	1	2	2	2	2	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)