

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: P691149

Luminaire Tested: **CRTK2-C013-D-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2729.1 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 20.4
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

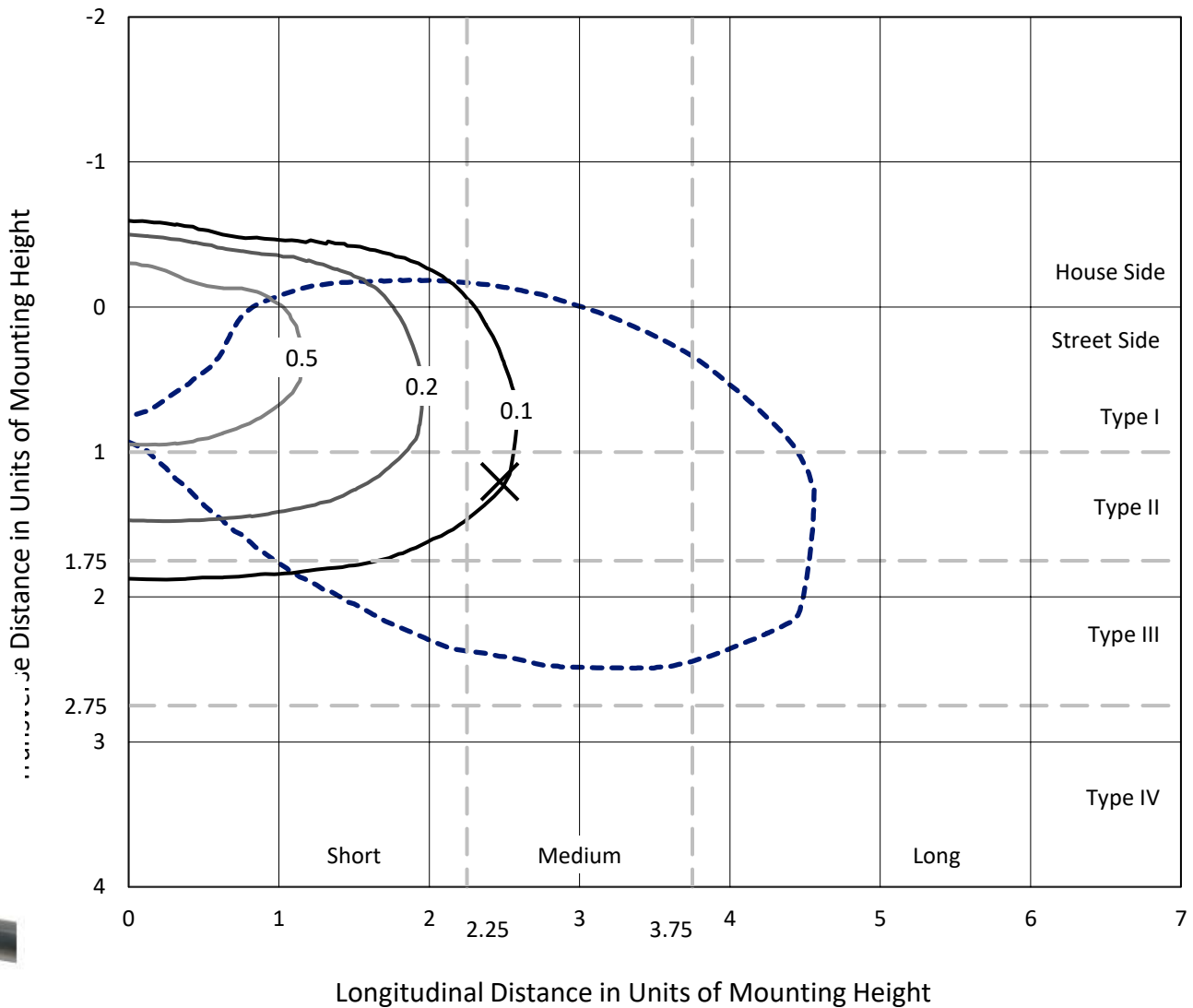


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

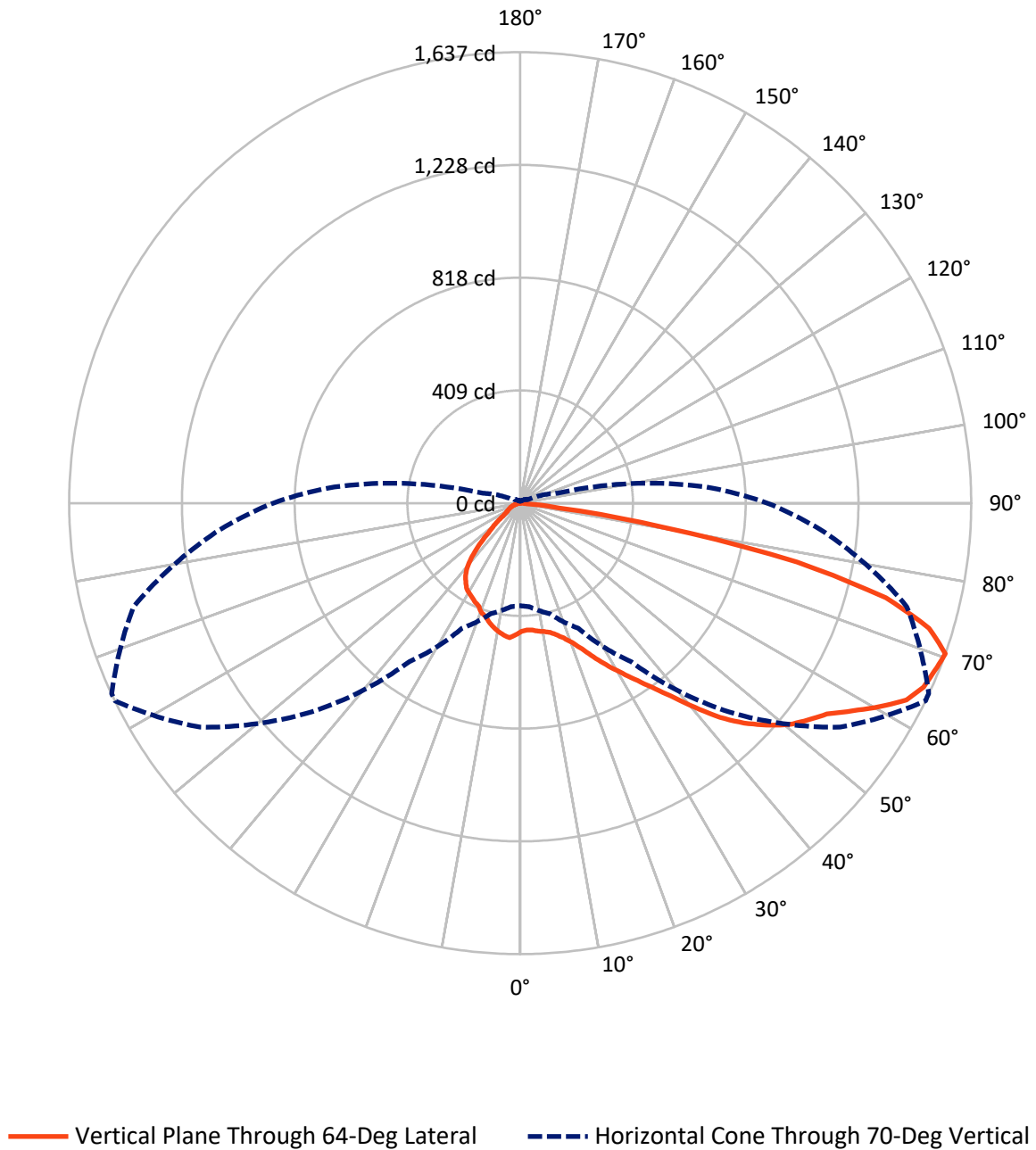


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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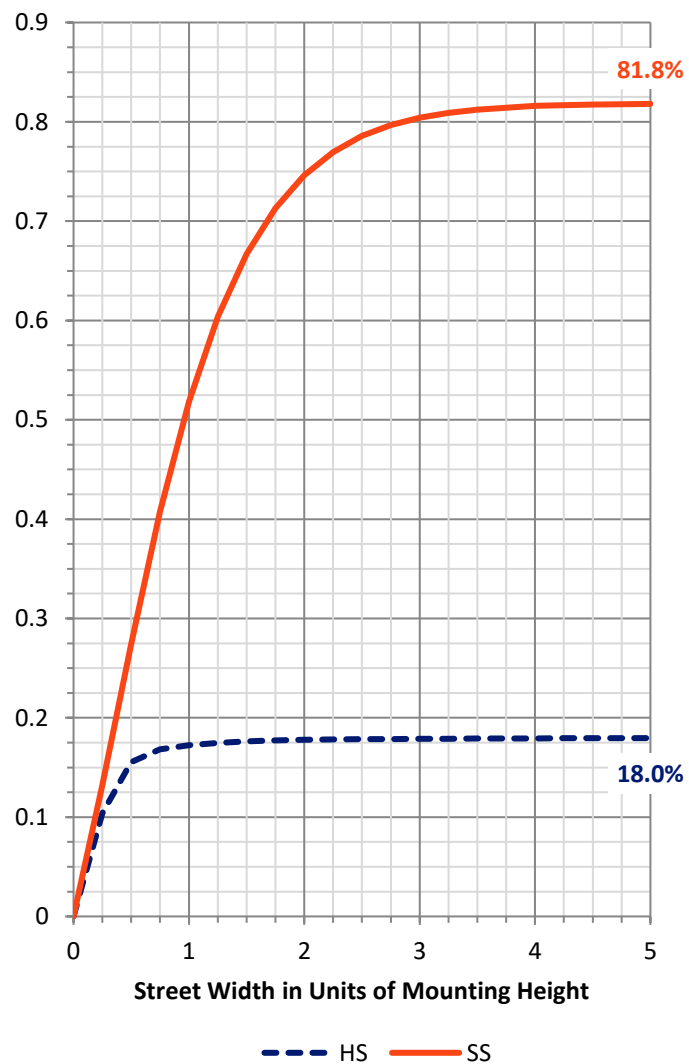
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	496.0	0.0	496.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2233.1	0.0	2233.1
	% Fixture	81.8	0.0	81.8
Total	Lumens	2729.1	0.0	2729.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.7
10°-20°	134.3	4.9
20°-30°	226.4	8.3
30°-40°	333.1	12.2
40°-50°	456.8	16.7
50°-60°	555.8	20.4
60°-70°	590.1	21.6
70°-80°	361.8	13.3
80°-90°	25.2	0.9
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°	2729.1	100.0
0°-180°	2729.1	100.0

Coefficient of Utilization



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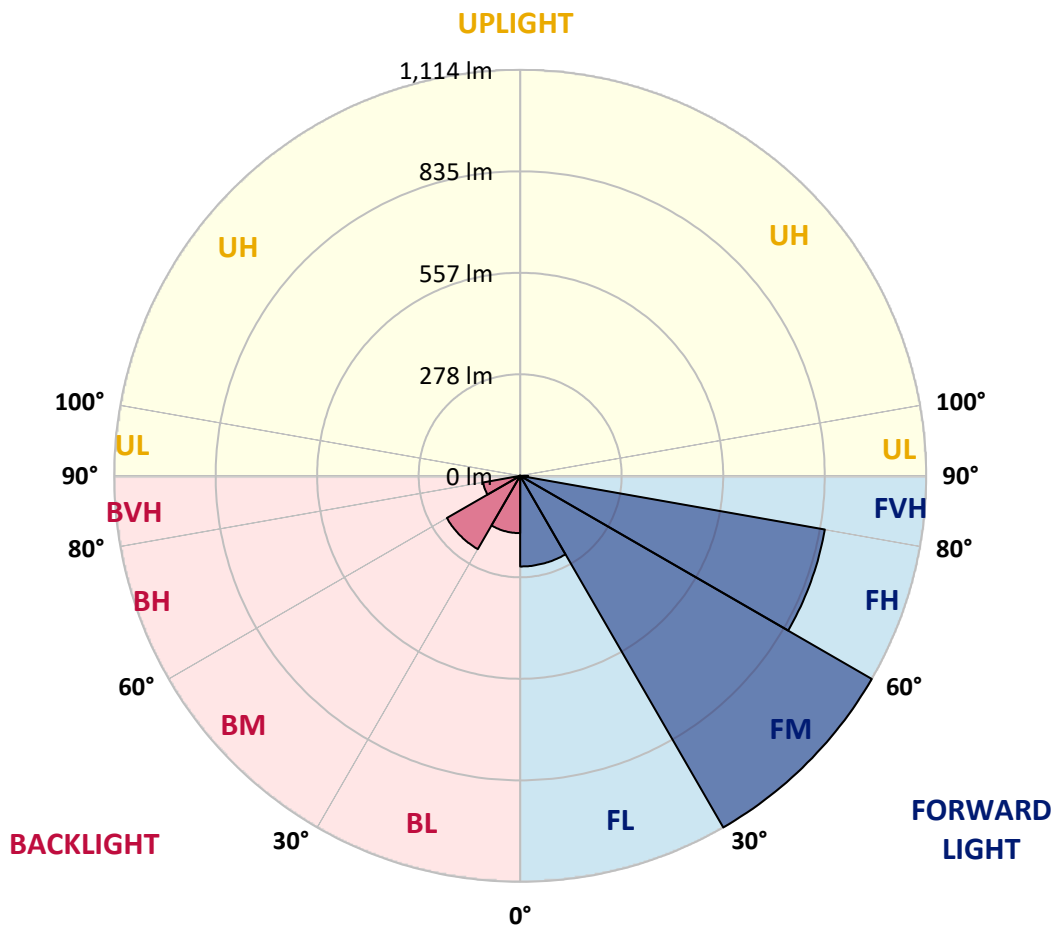
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.8	9.1			
FM	(30°-60°)	1113.6	40.8			
FH	(60°-80°)	848.6	31.1			G1/1800
FVH	(80°-90°)	22.0	0.8			G1/100
BL	(0°-30°)	157.3	5.8	B1/500		
BM	(30°-60°)	232.2	8.5	B1/1000		
BH	(60°-80°)	103.3	3.8	B0/110		G0/110
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	466	466	466	466	466	466	466	466	466	466	466
2.5°	461	461	462	461	463	460	461	461	461	462	465
5°	475	475	473	470	467	463	463	463	463	465	472
7.5°	484	483	483	483	480	472	470	469	469	469	476
10°	506	503	499	493	490	483	475	474	474	475	484
12.5°	527	524	524	520	508	500	486	481	481	483	488
15°	562	559	551	544	533	519	505	496	495	499	492
17.5°	587	582	583	572	563	543	529	515	515	519	505
20°	611	611	612	611	596	580	557	540	541	542	520
22.5°	647	646	646	647	637	619	594	575	574	566	539
25°	689	687	683	687	682	661	637	618	615	604	567
27.5°	724	724	724	726	726	711	684	664	666	651	600
30°	749	749	758	762	765	760	731	710	714	696	641
32.5°	776	775	787	796	800	802	778	761	762	746	688
35°	801	799	815	834	844	842	825	819	821	816	752
37.5°	819	822	843	868	884	888	877	888	899	906	835
40°	839	839	859	886	911	926	934	974	983	988	884
42.5°	819	826	868	907	940	963	996	1063	1073	1042	949
45°	802	808	850	916	964	1009	1069	1139	1149	1096	986
47.5°	785	792	836	909	986	1060	1128	1204	1209	1143	1035
50°	766	773	819	900	999	1115	1186	1264	1265	1184	1060
52.5°	742	751	797	887	1010	1152	1238	1308	1302	1234	1090
55°	712	722	773	870	1016	1176	1272	1351	1347	1292	1129
57.5°	678	689	742	844	1014	1188	1307	1422	1424	1340	1158
60°	639	649	699	810	988	1210	1382	1500	1507	1393	1170
62.5°	588	597	645	760	955	1226	1439	1574	1571	1429	1174
65°	524	534	579	694	903	1216	1457	1609	1609	1455	1171
67.5°	459	468	506	610	819	1166	1446	1623	1632	1472	1144
70°	372	377	415	501	702	1072	1418	1637	1636	1453	1093
72.5°	273	279	310	376	543	928	1330	1552	1536	1351	994
75°	141	147	171	236	346	655	1134	1371	1368	1196	823
77.5°	19	19	22	39	80	261	743	1027	1021	912	598
80°	13	13	15	18	23	57	262	521	530	470	268
82.5°	10	9	11	13	14	26	80	144	146	131	82
85°	6	6	6	6	5	7	18	24	27	26	21
87.5°	3	3	3	2	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	466	466	466	466	466	466	466	466	466	466	466
2.5°	466	469	473	478	483	487	491	493	495	496	497
5°	474	478	483	490	490	487	485	485	487	490	491
7.5°	482	486	484	483	484	480	475	472	470	470	472
10°	485	481	479	474	464	462	458	450	448	450	443
12.5°	483	480	470	462	452	435	425	425	420	419	420
15°	488	478	466	449	431	417	401	387	383	384	384
17.5°	492	482	458	432	416	391	373	365	358	357	357
20°	501	487	453	425	385	366	346	336	325	310	305
22.5°	515	496	450	406	371	341	312	282	264	252	255
25°	534	513	453	399	350	312	274	233	206	198	203
27.5°	568	532	462	389	335	278	221	185	160	152	155
30°	599	561	463	383	311	238	174	134	114	102	99
32.5°	655	592	488	375	286	194	128	89	71	64	62
35°	710	647	495	360	240	144	79	53	43	38	37
37.5°	786	714	524	344	194	88	48	32	30	29	29
40°	824	749	548	321	136	50	31	28	27	26	26
42.5°	878	789	568	280	80	33	28	26	25	24	24
45°	908	810	563	230	40	31	27	25	23	23	23
47.5°	948	841	550	170	36	30	26	24	23	24	23
50°	986	871	514	135	35	29	26	23	23	23	23
52.5°	1007	899	469	99	36	29	25	23	23	22	23
55°	1027	903	433	72	36	28	24	22	21	20	20
57.5°	1041	894	404	60	36	28	23	21	18	17	17
60°	1037	872	380	55	34	26	21	18	16	14	14
62.5°	1026	859	336	48	31	24	19	15	13	12	12
65°	1016	818	285	43	29	21	16	13	11	10	10
67.5°	968	764	212	37	26	19	14	12	10	9	8
70°	897	677	139	32	23	16	12	10	8	7	7
72.5°	776	559	72	26	19	14	11	9	7	6	6
75°	630	411	43	20	15	12	9	7	6	5	5
77.5°	436	227	31	15	10	9	7	6	5	4	4
80°	147	62	22	11	7	7	5	4	4	3	3
82.5°	58	38	15	8	6	5	4	3	3	3	3
85°	16	11	6	4	3	3	3	2	2	2	2
87.5°	1	2	2	2	2	2	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)