

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: P459930

Luminaire Tested: **UTLD-PA1-30-AMB-U-T2R**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-PA1-30-AMB-U-T2R
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1395.1 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 32.7
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

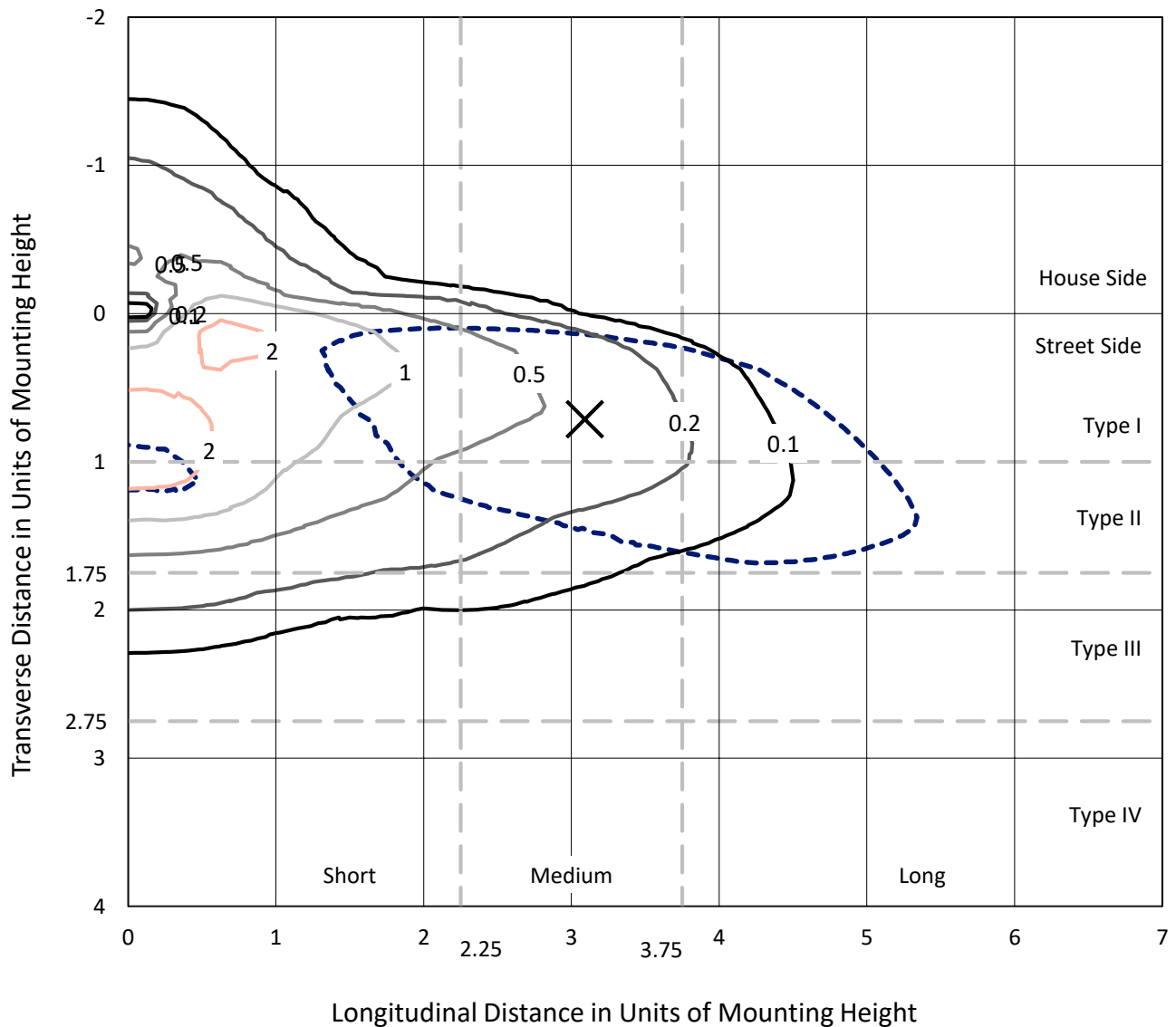


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

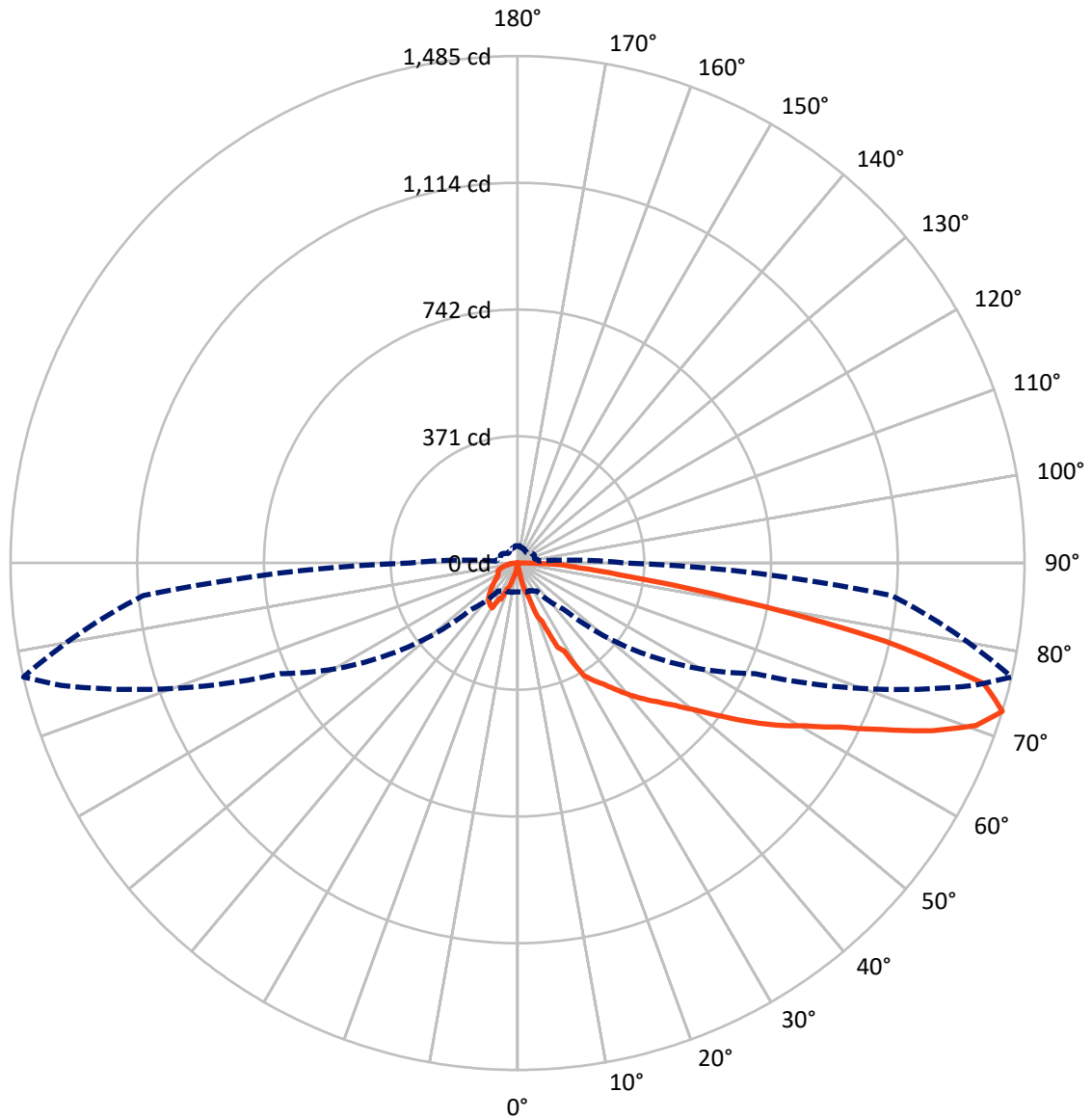


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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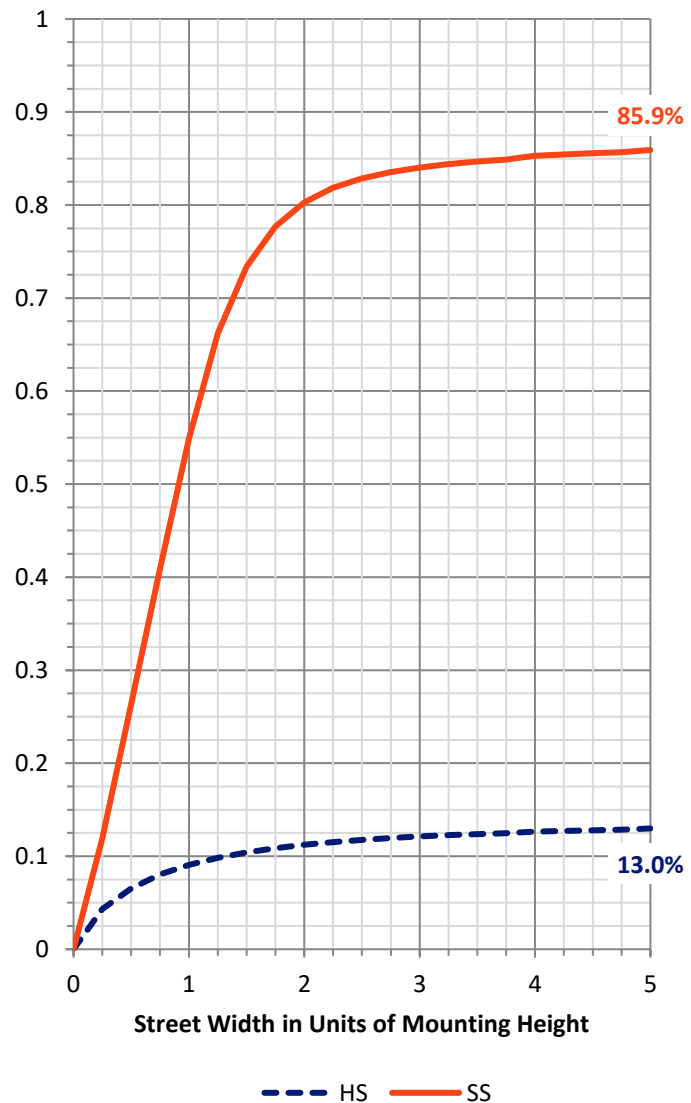
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.3	0.0	187.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	1207.7	0.0	1207.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	1395.1	0.0	1395.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	22.8	1.6
20°-30°	74.9	5.4
30°-40°	161.2	11.6
40°-50°	255.7	18.3
50°-60°	301.9	21.6
60°-70°	294.5	21.1
70°-80°	227.5	16.3
80°-90°	54.8	3.9
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°	1395.1	100.0
0°-180°	1395.1	100.0



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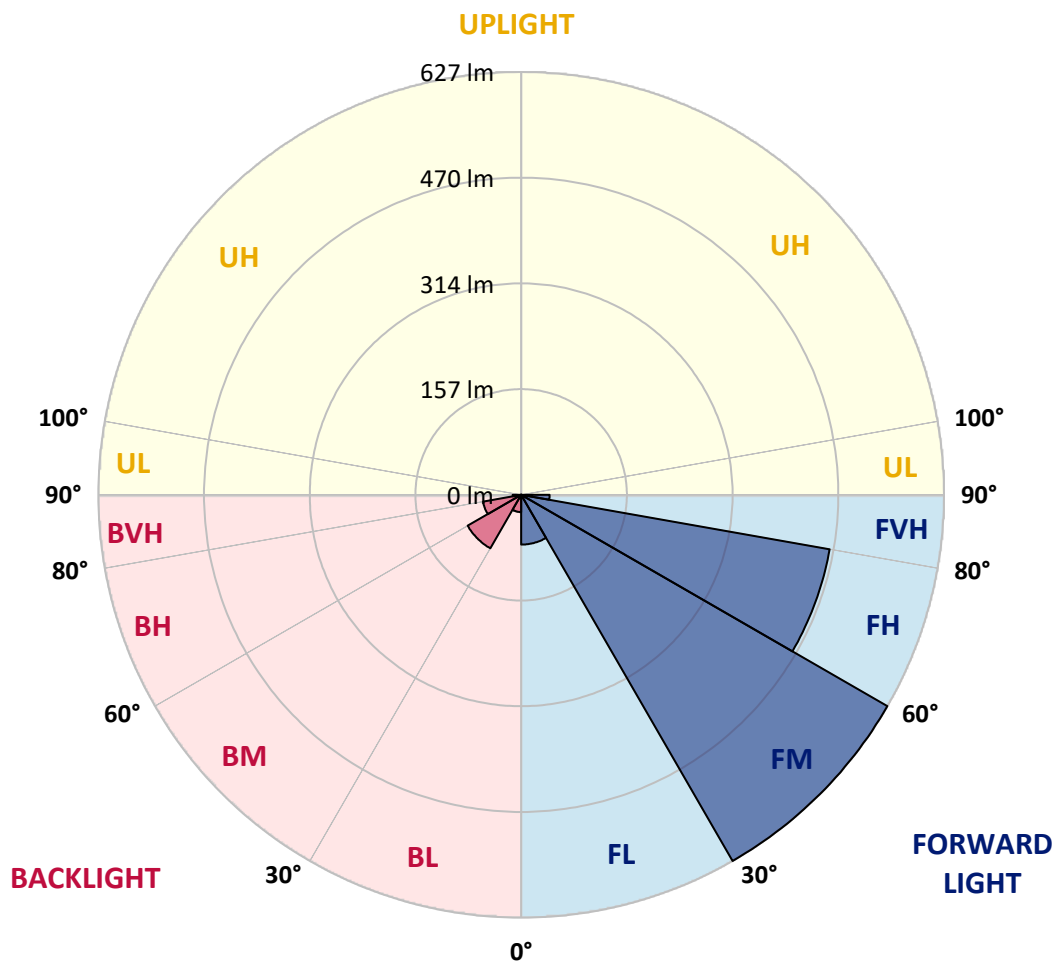
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.8	5.3			
FM (30°-60°)	627.2	45.0			
FH (60°-80°)	464.6	33.3			G0/660
FVH (80°-90°)	42.1	3.0			G1/100
BL (0°-30°)	25.6	1.8	B0/110		
BM (30°-60°)	91.6	6.6	B0/220		
BH (60°-80°)	57.4	4.1	B0/110		G0/110
BVH (80°-90°)	12.7	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	2	2	2	2	1	1	1	0	0	0	0
5°	46	46	46	45	45	41	5	1	0	0	0
7.5°	53	53	53	52	51	49	46	23	1	1	1
10°	105	105	105	64	57	54	51	36	3	2	2
12.5°	113	113	113	113	113	63	58	78	83	59	50
15°	120	116	116	118	121	107	120	111	96	87	56
17.5°	160	160	162	163	123	165	161	121	101	100	112
20°	163	163	165	169	203	165	166	191	172	167	128
22.5°	215	215	220	178	210	197	214	217	187	187	142
25°	223	223	224	223	234	241	218	283	271	273	221
27.5°	289	290	281	240	250	252	291	298	301	292	239
30°	344	339	324	296	269	277	305	311	392	382	328
32.5°	474	478	440	340	307	309	336	354	415	410	361
35°	566	568	523	433	338	318	375	371	437	436	383
37.5°	646	641	597	511	409	348	391	386	464	471	409
40°	704	701	663	564	473	386	410	413	492	509	446
42.5°	748	744	725	620	518	435	439	440	531	545	475
45°	777	774	766	667	558	481	478	471	560	581	503
47.5°	785	784	786	692	590	516	525	500	602	624	538
50°	762	759	781	728	614	548	568	540	643	677	578
52.5°	625	623	699	701	628	567	602	581	690	744	628
55°	450	451	541	606	621	575	625	624	748	820	686
57.5°	371	375	411	496	567	579	645	660	808	896	740
60°	315	312	337	388	479	564	659	697	877	969	806
62.5°	249	246	272	298	394	525	670	734	952	1058	882
65°	182	183	200	223	301	456	673	772	1055	1176	971
67.5°	134	135	146	162	210	379	651	809	1181	1311	1054
70°	104	105	110	117	144	281	586	803	1279	1425	1115
72.5°	85	85	88	89	100	192	475	767	1384	1485	1101
75°	72	72	73	72	74	126	345	689	1393	1411	951
77.5°	62	61	61	60	59	91	229	536	1161	1102	653
80°	52	52	51	50	48	68	143	349	693	640	344
82.5°	38	41	42	40	41	51	91	193	370	328	167
85°	24	25	33	32	36	32	58	102	196	180	61
87.5°	8	7	20	20	27	15	31	50	122	115	40
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°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
7.5°	1	1	1	0	0	0	0	12	21	21	21
10°	1	1	1	1	1	19	24	26	26	27	27
12.5°	42	40	34	22	17	26	27	29	30	31	31
15°	52	44	39	34	52	30	30	50	52	53	53
17.5°	88	78	48	47	55	57	45	50	51	51	51
20°	107	90	71	74	58	69	61	48	66	67	67
22.5°	121	100	77	77	81	66	61	57	62	61	61
25°	178	143	109	97	80	73	64	54	60	69	69
27.5°	197	153	109	99	87	75	60	67	66	66	66
30°	275	207	137	99	82	71	68	65	63	71	71
32.5°	296	211	133	109	78	72	65	66	64	64	64
35°	309	211	127	103	82	68	67	62	66	69	69
37.5°	325	209	122	95	76	69	66	62	63	62	62
40°	338	203	115	87	70	68	62	58	56	57	56
42.5°	351	193	105	78	64	62	60	55	56	57	56
45°	367	179	95	69	59	54	53	55	58	61	62
47.5°	384	164	85	62	55	50	50	52	56	58	59
50°	403	148	77	56	52	46	47	50	56	57	56
52.5°	425	132	70	53	50	42	44	49	55	56	55
55°	443	116	65	52	48	40	43	48	54	54	54
57.5°	460	104	61	51	47	39	42	47	51	54	54
60°	469	94	59	51	46	39	42	47	51	54	54
62.5°	471	86	58	51	45	39	43	47	51	54	54
65°	466	81	58	53	44	39	43	48	51	55	54
67.5°	428	76	58	56	45	40	43	47	50	55	54
70°	384	71	56	57	48	40	42	47	49	55	53
72.5°	311	65	51	55	49	40	41	45	46	51	48
75°	226	57	43	51	48	40	40	43	43	46	43
77.5°	151	47	36	44	45	41	38	40	39	40	38
80°	99	37	30	38	40	42	36	36	34	33	32
82.5°	69	28	24	31	34	40	33	32	28	27	25
85°	36	19	19	24	27	34	30	26	22	32	20
87.5°	17	12	13	16	21	16	25	16	15	12	8
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)