

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: P459933

Luminaire Tested: **UTLD-PA1-30-AMB-U-T3-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-5)
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-T3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 993 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G0

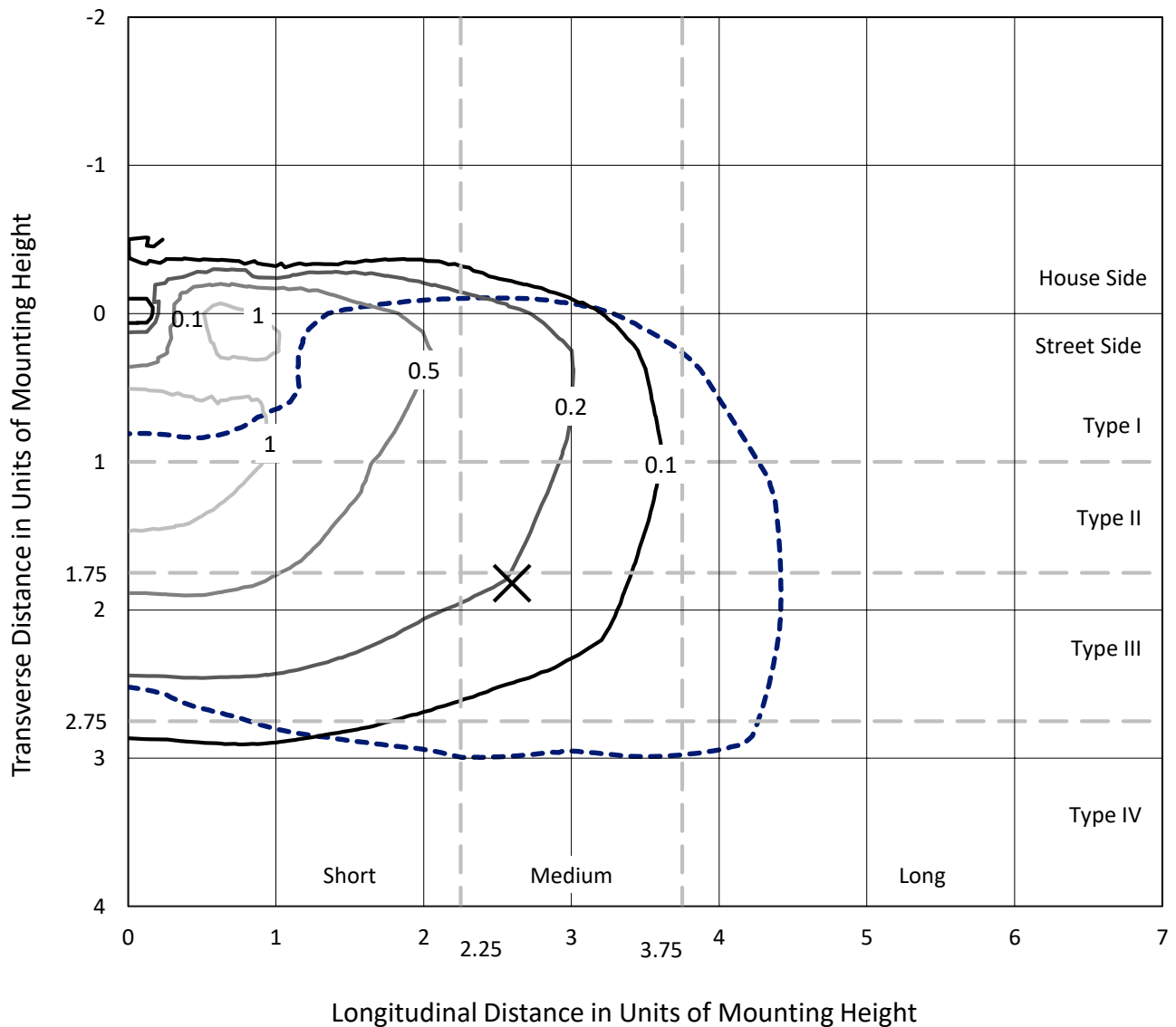
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

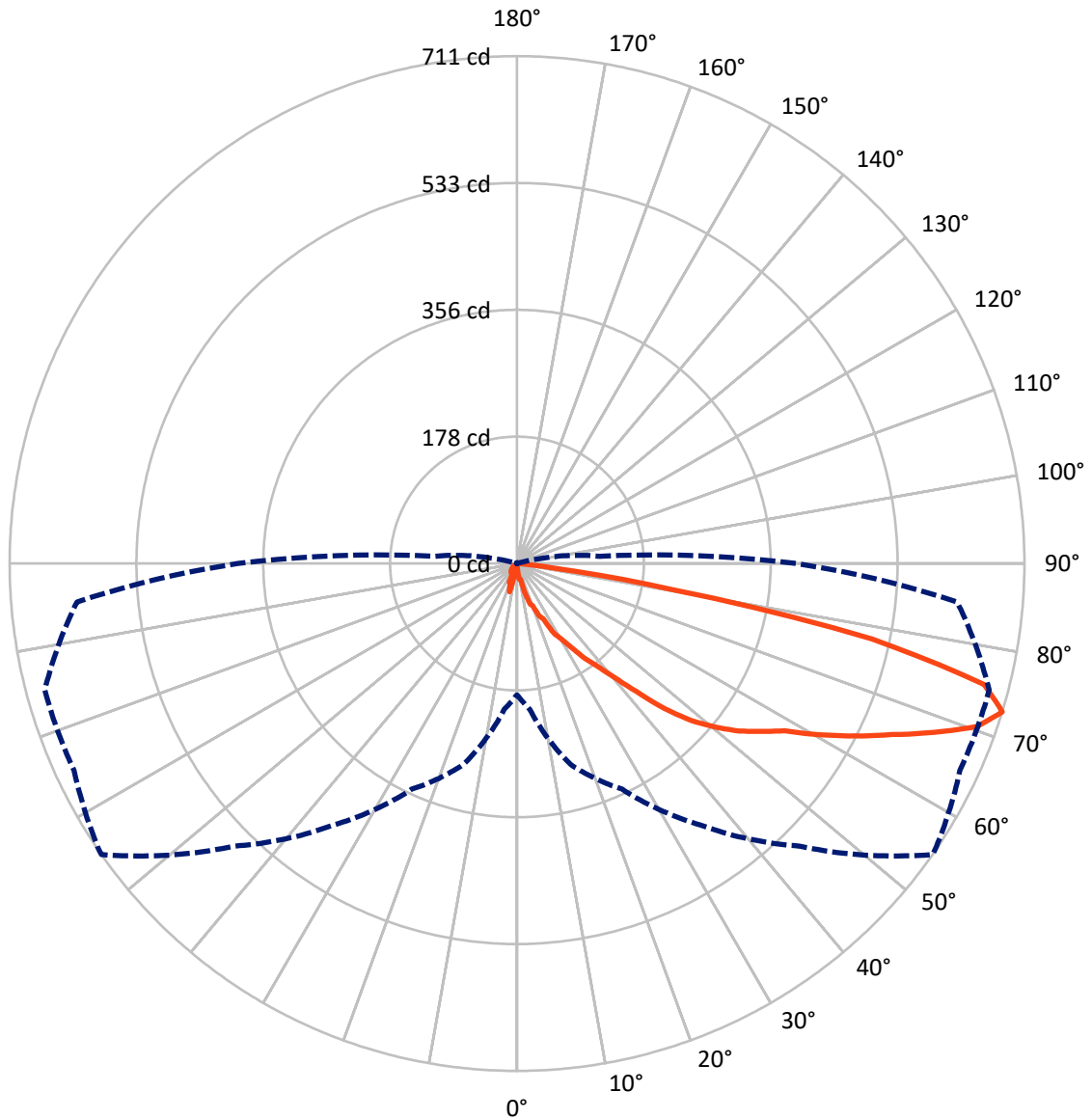
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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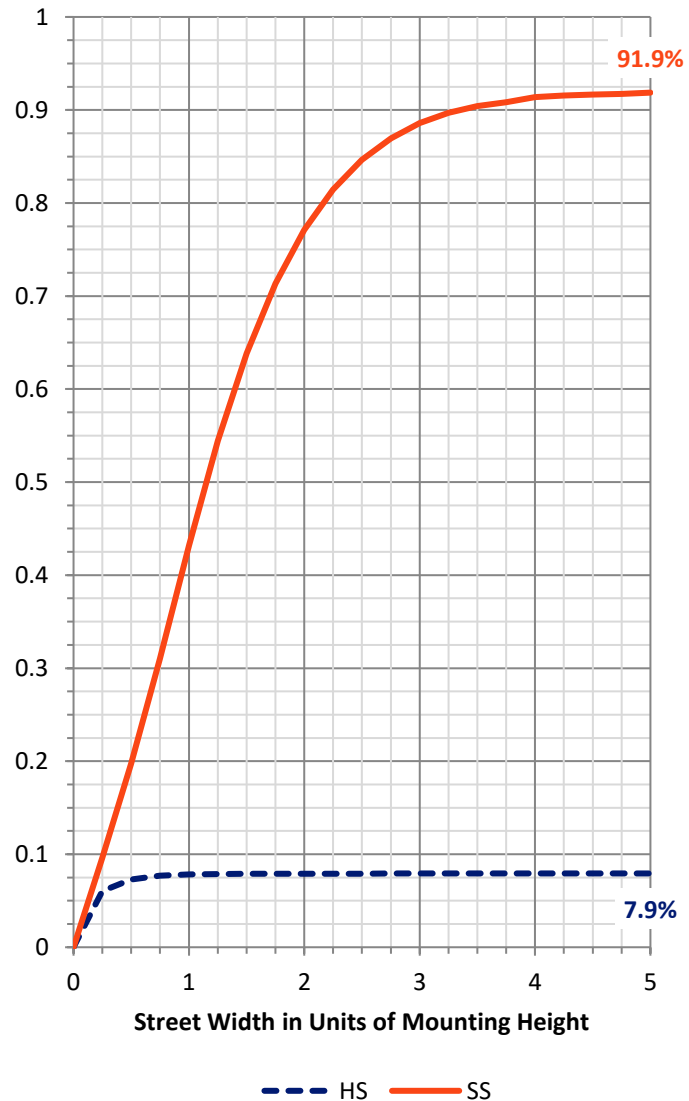
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.5	0.0	79.5
	% Fixture	8.0	0.0	8.0
Street Side	Lumens	913.6	0.0	913.6
	% Fixture	92.0	0.0	92.0
Total	Lumens	993.0	0.0	993.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.1
10°-20°	9.9	1.0
20°-30°	33.7	3.4
30°-40°	79.3	8.0
40°-50°	149.2	15.0
50°-60°	230.5	23.2
60°-70°	286.8	28.9
70°-80°	192.8	19.4
80°-90°	10.1	1.0
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°	993.0	100.0
0°-180°	993.0	100.0



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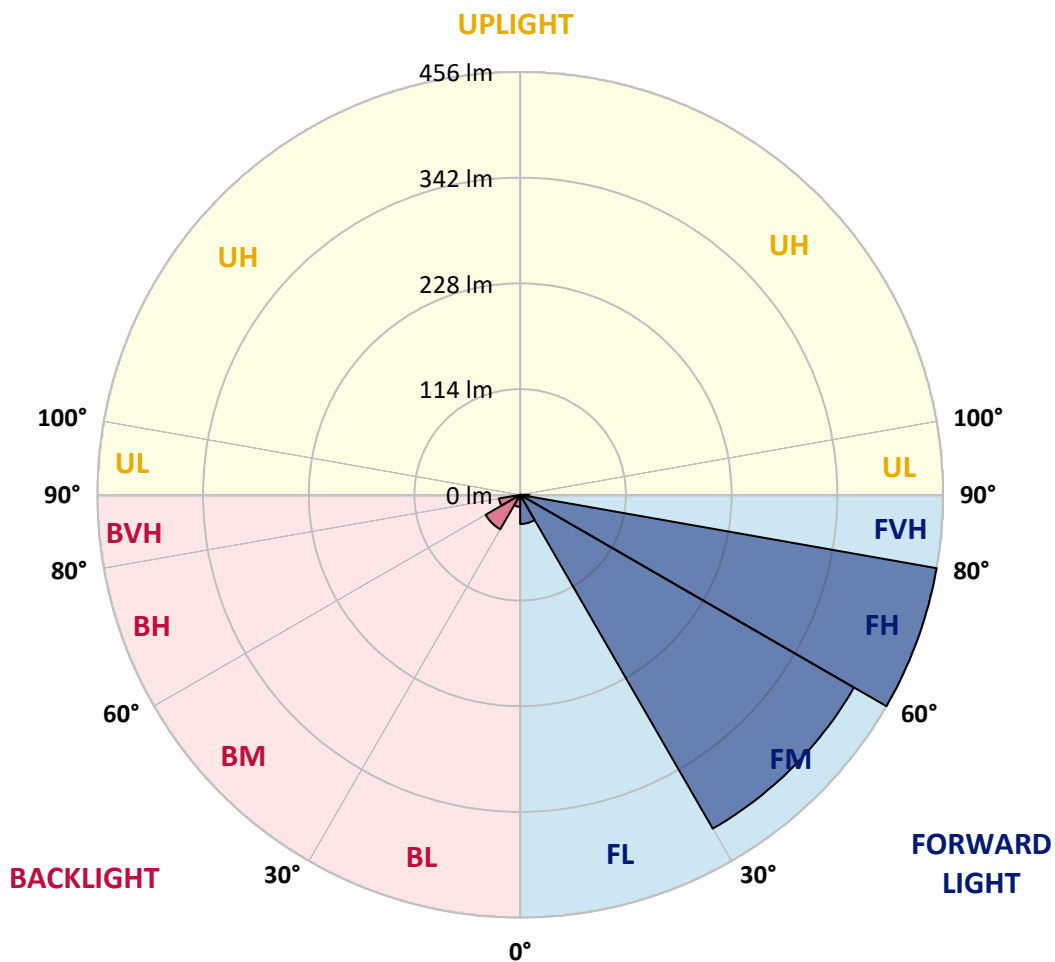
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	31.4	3.2			
FM	(30°-60°)	416.0	41.9			
FH	(60°-80°)	456.4	46.0			G0/660
FVH	(80°-90°)	9.8	1.0			G0/10
BL	(0°-30°)	12.9	1.3	B0/110		
BM	(30°-60°)	43.0	4.3	B0/220		
BH	(60°-80°)	23.2	2.3	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	5	5	4	3	2	0	0	0	0	0	0
5°	22	22	22	22	23	22	5	5	1	0	0
7.5°	20	20	21	21	22	22	22	22	8	0	0
10°	38	39	39	26	21	21	22	22	18	3	0
12.5°	38	38	39	39	40	24	23	24	32	39	28
15°	44	44	41	39	40	38	45	45	47	47	33
17.5°	56	56	56	54	42	55	60	58	49	54	58
20°	57	57	55	55	66	58	63	64	77	82	77
22.5°	84	84	78	62	69	70	80	81	89	87	87
25°	104	104	98	90	78	85	86	87	107	124	129
27.5°	155	157	137	110	96	91	111	118	128	134	137
30°	194	192	178	155	119	108	123	126	140	176	182
32.5°	256	255	226	186	157	129	140	144	171	185	192
35°	282	287	266	230	186	152	163	166	182	197	205
37.5°	312	317	305	258	221	187	182	181	191	217	221
40°	371	367	350	297	252	222	209	204	213	231	237
42.5°	442	445	408	348	290	259	245	238	235	263	263
45°	499	492	473	403	342	305	290	281	263	286	286
47.5°	539	527	516	450	403	356	329	321	290	322	314
50°	589	568	546	483	454	416	360	358	326	359	348
52.5°	608	570	560	510	480	465	390	388	359	399	376
55°	565	561	564	533	502	485	415	417	401	441	405
57.5°	535	543	566	547	536	503	442	441	455	481	443
60°	518	526	567	563	571	524	487	473	498	510	498
62.5°	479	484	546	578	584	546	532	506	528	546	563
65°	428	432	496	569	582	560	578	548	561	597	634
67.5°	370	375	429	512	561	571	631	602	608	642	694
70°	321	328	366	438	514	573	684	663	654	679	708
72.5°	184	205	292	349	447	560	711	709	685	685	619
75°	53	56	130	217	328	483	676	690	633	588	400
77.5°	25	27	32	73	131	269	509	520	440	356	154
80°	10	9	11	20	41	65	221	223	200	121	31
82.5°	5	5	7	11	25	15	46	52	51	20	7
85°	3	2	4	7	11	6	10	11	15	10	4
87.5°	4	3	4	4	6	3	3	3	4	6	2
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°	0	0	0	0	0	0	0	3	15	15	15
10°	0	0	0	0	0	13	21	20	20	20	20
12.5°	29	34	32	14	14	20	18	15	13	13	13
15°	38	38	38	30	41	18	12	14	14	12	13
17.5°	65	64	44	42	35	21	12	10	9	9	9
20°	83	83	72	62	27	16	10	9	10	13	12
22.5°	94	89	74	55	29	12	11	12	13	13	13
25°	131	131	109	59	18	13	13	13	12	14	14
27.5°	141	136	103	48	16	14	14	15	15	15	14
30°	187	182	128	35	15	14	15	15	13	13	13
32.5°	196	186	115	24	14	14	14	13	12	11	11
35°	204	192	100	18	15	12	12	11	9	10	10
37.5°	213	201	84	16	13	11	10	9	8	7	7
40°	226	213	65	15	12	10	8	7	6	5	5
42.5°	244	228	45	14	11	8	6	5	4	4	4
45°	267	240	29	13	10	6	4	3	3	3	3
47.5°	292	250	20	12	8	5	3	3	2	2	2
50°	318	259	16	11	7	3	2	2	2	2	2
52.5°	344	259	15	10	5	2	2	2	2	2	2
55°	368	254	13	9	4	2	1	1	1	1	2
57.5°	396	249	12	8	3	1	1	1	1	1	1
60°	433	245	11	6	2	1	1	1	1	1	1
62.5°	470	238	10	5	2	1	1	1	1	1	1
65°	495	227	8	4	2	1	1	1	0	0	0
67.5°	503	208	6	3	1	1	1	0	0	0	0
70°	484	173	4	2	1	1	1	0	0	0	0
72.5°	391	116	3	2	1	0	1	0	0	0	0
75°	219	38	2	1	1	0	1	0	0	0	0
77.5°	73	14	2	1	1	0	1	0	0	0	0
80°	14	4	1	1	1	0	1	0	0	0	0
82.5°	4	2	1	1	1	0	1	0	0	0	0
85°	2	1	1	1	1	0	1	0	0	0	0
87.5°	1	0	0	0	1	0	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)