

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: P459932

Luminaire Tested: **UTLD-PA1-30-AMB-U-T2U**

Issue Date: 1/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-8)  
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-T2U  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1412 lumens  
Efficiency: N/A  
Efficacy: 43.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

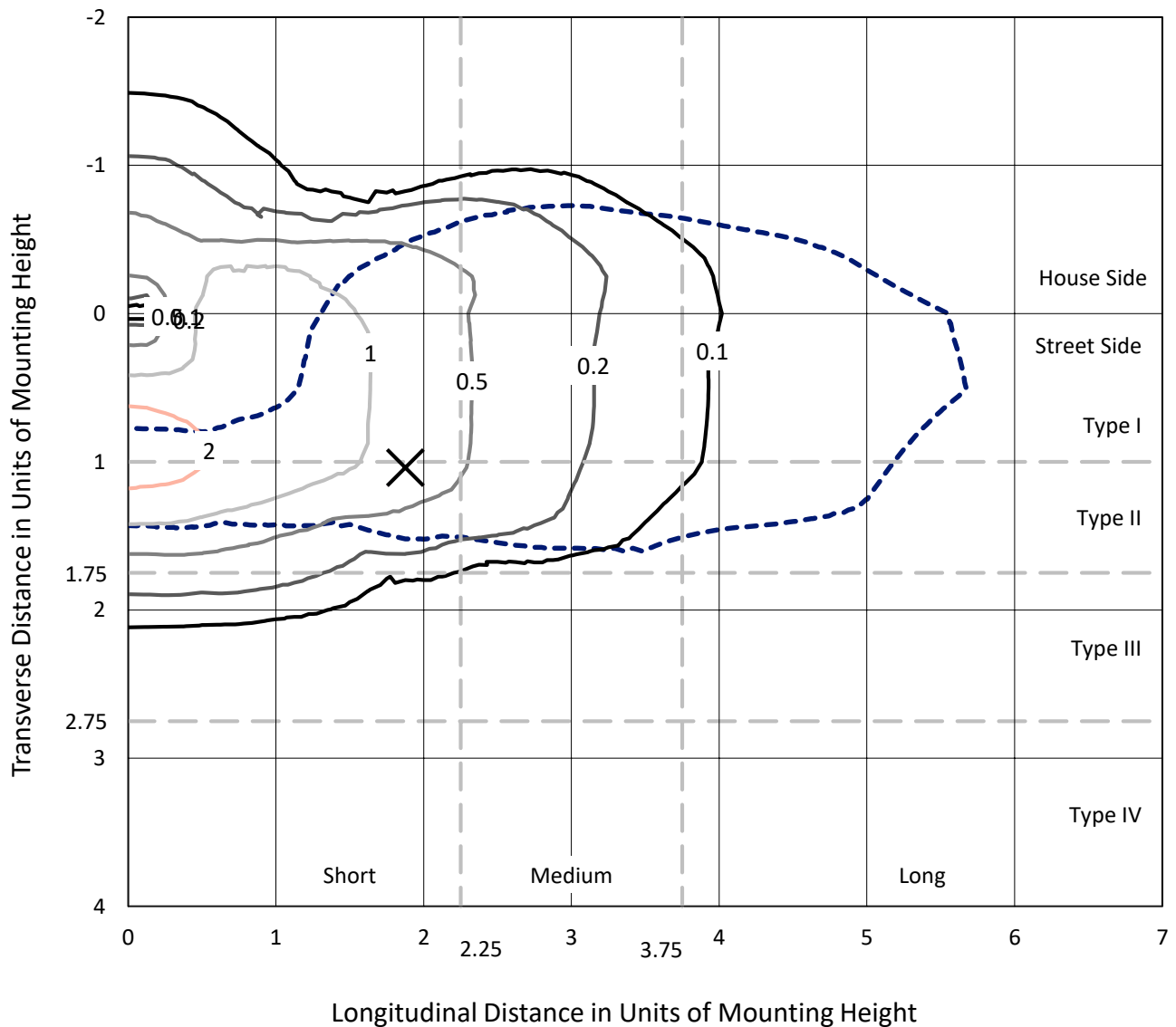
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

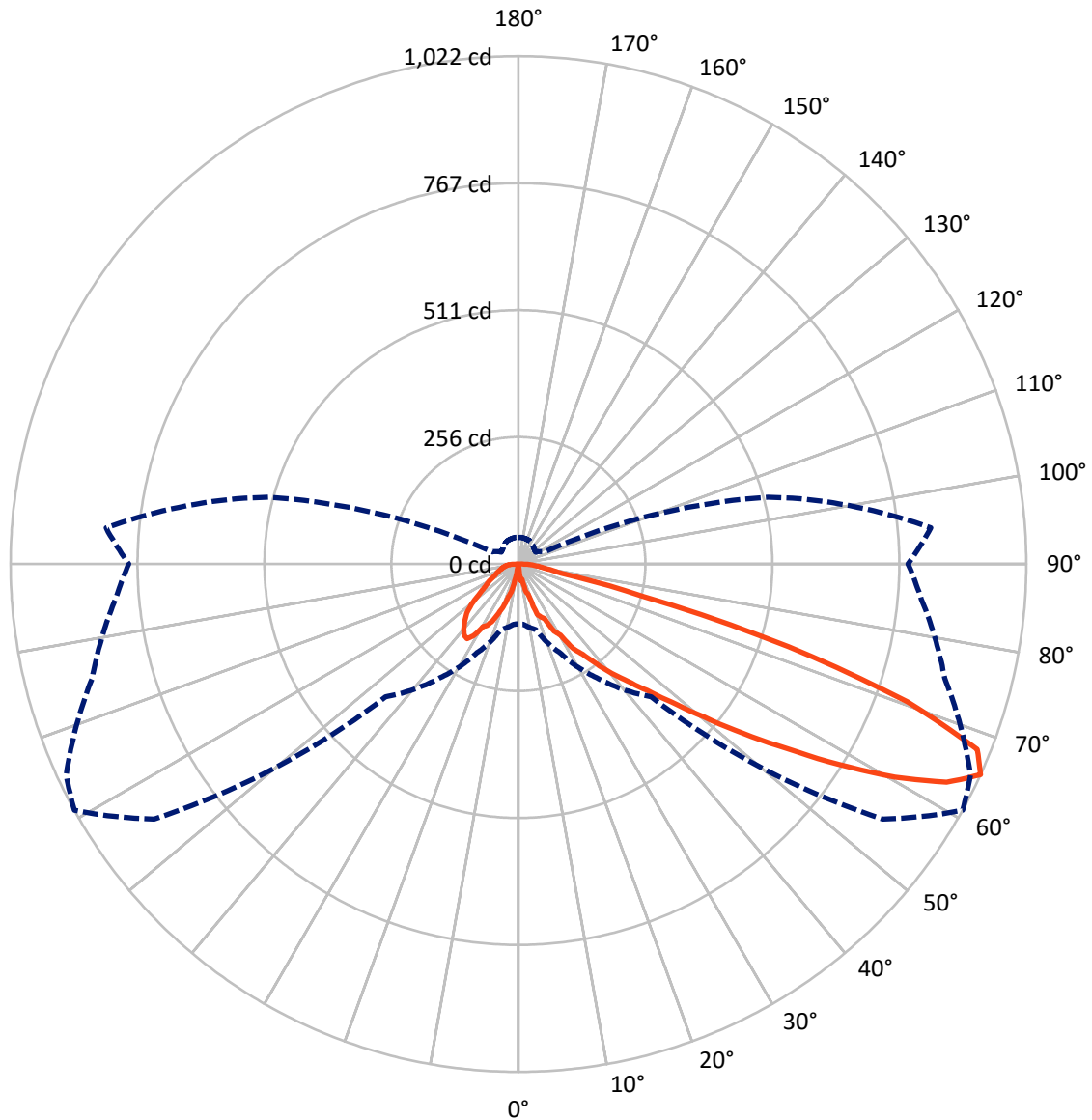


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 61-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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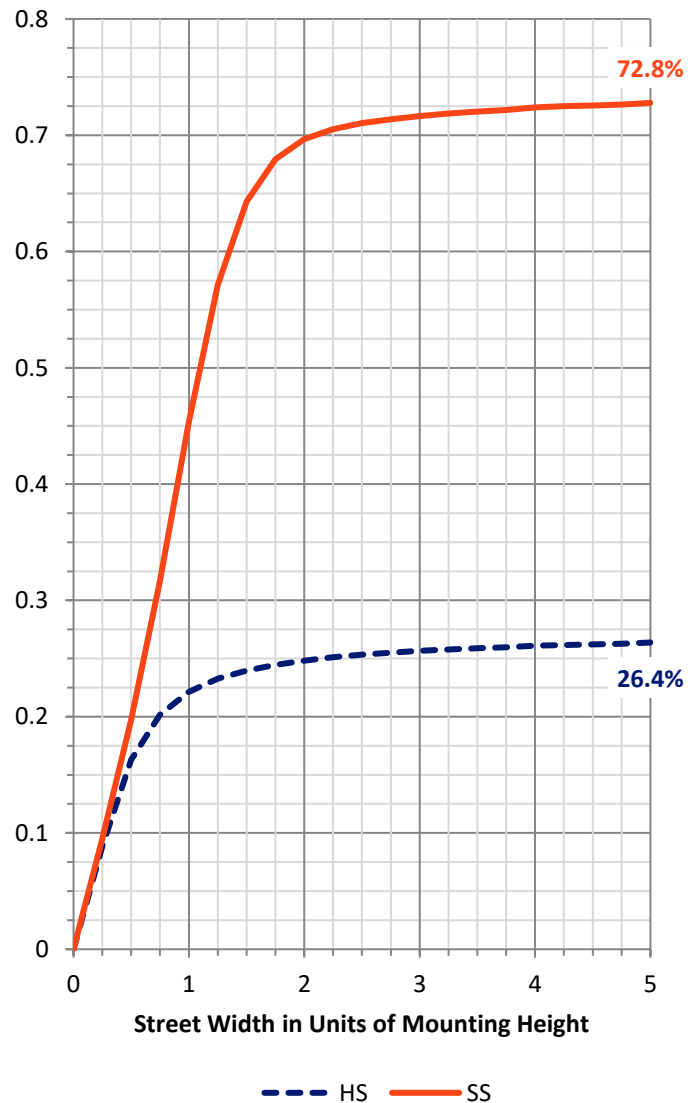
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	379.0	0.0	379.0
	% Fixture	26.8	0.0	26.8
<b>Street Side</b>	Lumens	1033.0	0.0	1033.0
	% Fixture	73.2	0.0	73.2
<b>Total</b>	Lumens	1412.0	0.0	1412.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	17.4	1.2
20°-30°	59.4	4.2
30°-40°	132.1	9.4
40°-50°	250.4	17.7
50°-60°	352.4	25.0
60°-70°	345.9	24.5
70°-80°	209.6	14.8
80°-90°	43.4	3.1
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°	1412.0	100.0
0°-180°	1412.0	100.0



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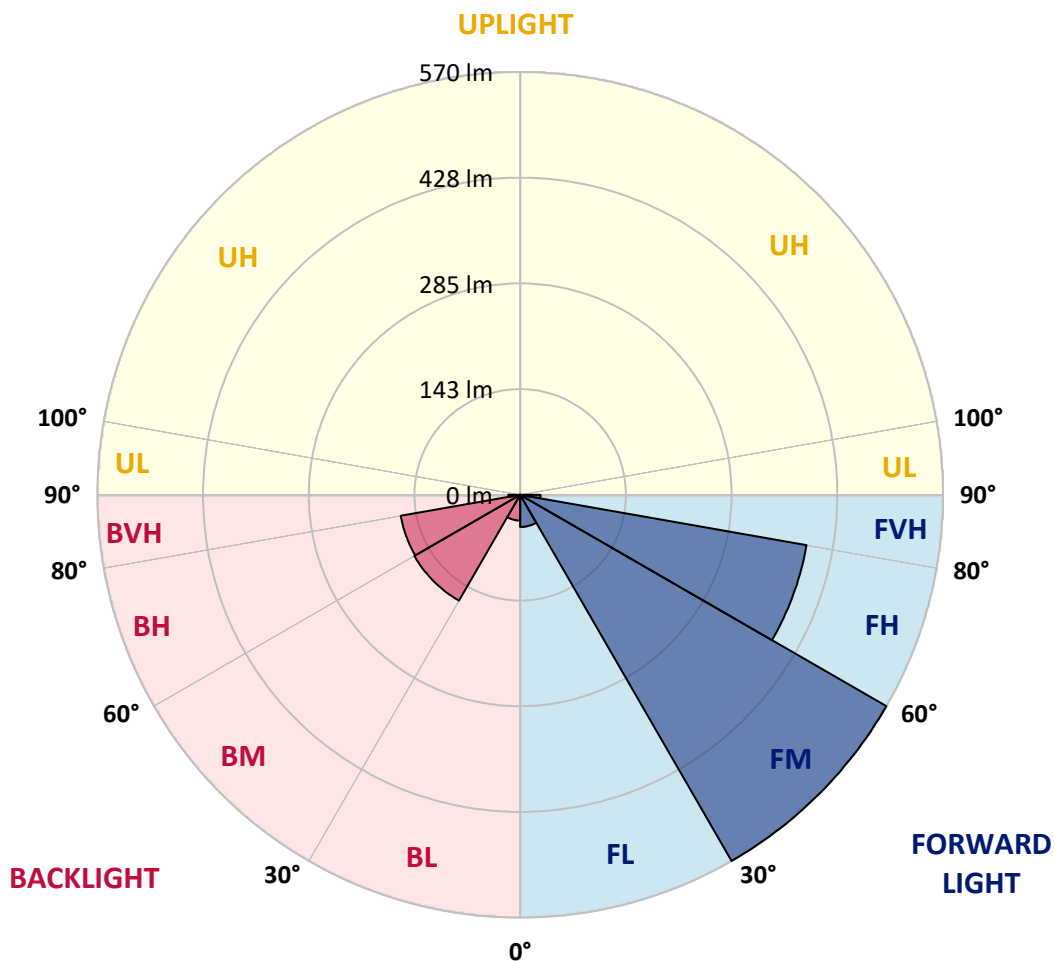
CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2U

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.4	3.1			
FM (30°-60°)	570.1	40.4			
FH (60°-80°)	392.1	27.8			G0/660
FVH (80°-90°)	27.4	1.9			G1/100
BL (0°-30°)	34.7	2.5	B0/110		
BM (30°-60°)	164.8	11.7	B0/220		
BH (60°-80°)	163.5	11.6	B1/500		G1/500
BVH (80°-90°)	16.0	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1	1	1	1	1	1	1	1	1	1	1
2.5°	3	3	3	2	2	2	1	1	1	1	1
5°	34	34	35	35	35	34	5	3	2	1	1
7.5°	33	33	33	33	34	34	34	33	17	2	1
10°	59	59	58	37	33	33	34	34	27	4	3
12.5°	60	60	60	59	59	36	35	32	44	59	42
15°	65	65	62	60	60	56	65	59	65	64	45
17.5°	87	87	87	84	63	83	81	63	68	68	85
20°	93	92	91	90	102	86	84	108	99	100	93
22.5°	129	129	122	100	110	104	108	116	111	106	101
25°	147	147	145	138	122	131	115	122	139	142	143
27.5°	216	215	190	166	153	143	155	153	155	156	151
30°	252	252	248	224	184	168	170	166	170	197	195
32.5°	347	346	316	261	227	212	186	203	204	209	212
35°	419	415	386	338	264	242	230	223	221	224	226
37.5°	501	496	462	400	324	289	261	255	246	245	246
40°	595	587	553	478	386	333	298	289	275	285	286
42.5°	686	681	652	559	456	406	340	322	302	307	320
45°	760	748	730	638	537	491	390	363	341	356	361
47.5°	783	764	764	708	618	568	452	415	394	411	413
50°	746	731	749	726	682	644	536	484	459	479	479
52.5°	637	640	673	689	717	713	635	566	540	559	549
55°	505	513	562	602	702	760	755	655	631	638	618
57.5°	391	399	454	491	631	771	856	761	730	705	682
60°	257	265	342	400	507	715	924	871	831	780	740
62.5°	186	189	220	309	384	561	944	967	925	845	789
65°	120	122	137	197	282	378	895	1022	1004	888	814
67.5°	82	83	88	109	184	225	699	996	1022	883	807
70°	71	73	78	76	123	126	389	830	951	833	767
72.5°	61	63	71	77	88	85	148	569	793	790	723
75°	49	50	58	71	69	64	77	257	543	754	687
77.5°	40	40	45	54	65	48	63	88	270	638	635
80°	29	29	34	41	48	38	48	58	93	417	513
82.5°	20	21	25	29	33	38	34	42	50	199	305
85°	15	15	18	20	23	26	25	30	35	75	81
87.5°	8	7	11	12	12	13	20	19	21	36	26
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°	1	1	1	1	1	1	1	1	1	1	1
2.5°	1	1	1	1	1	0	0	0	0	0	0
5°	1	1	1	1	1	1	1	0	0	0	0
7.5°	1	1	1	1	1	1	2	8	26	29	29
10°	2	2	2	2	2	21	33	33	33	33	33
12.5°	42	50	49	32	23	33	34	33	34	41	38
15°	52	53	54	51	70	37	36	59	62	63	63
17.5°	85	90	62	66	72	75	58	66	68	69	69
20°	100	101	95	101	74	91	84	70	95	96	96
22.5°	110	108	100	104	111	97	94	87	94	93	93
25°	148	148	140	130	120	116	102	87	103	113	113
27.5°	157	154	140	135	144	123	97	107	103	103	102
30°	202	200	179	148	140	113	103	96	95	106	105
32.5°	213	206	182	195	133	108	86	87	88	93	92
35°	226	216	189	210	141	89	75	75	85	91	90
37.5°	244	232	208	216	127	76	66	71	75	77	76
40°	273	254	244	215	110	66	60	66	70	71	70
42.5°	303	284	293	211	90	62	59	63	67	67	67
45°	340	318	341	204	74	61	58	61	64	63	63
47.5°	386	359	369	190	67	60	58	58	62	61	61
50°	444	408	387	162	63	59	55	56	61	60	60
52.5°	509	468	405	131	59	57	53	56	60	59	59
55°	573	532	420	109	54	54	53	56	59	58	58
57.5°	633	598	433	94	50	52	52	55	57	57	57
60°	692	667	454	82	48	49	51	54	56	56	56
62.5°	744	750	485	69	45	46	50	53	54	55	55
65°	784	833	520	58	42	44	49	52	53	54	53
67.5°	791	870	533	53	39	42	47	49	50	52	51
70°	767	852	514	48	37	40	44	47	47	49	47
72.5°	746	802	449	42	35	37	41	44	44	44	43
75°	737	723	307	37	32	33	38	40	40	39	38
77.5°	671	573	146	34	30	30	33	36	35	33	33
80°	493	363	50	30	27	26	29	31	30	28	27
82.5°	254	151	35	26	24	22	25	26	26	25	21
85°	63	43	27	22	20	17	20	22	20	17	14
87.5°	21	23	19	16	16	12	15	15	14	9	8
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)