

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: P459928

Luminaire Tested: **UTLD-PA1-30-AMB-U-5WQ**

Issue Date: 1/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-1)  
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-5WQ  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1438 lumens  
Efficiency: N/A  
Efficacy: 44.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

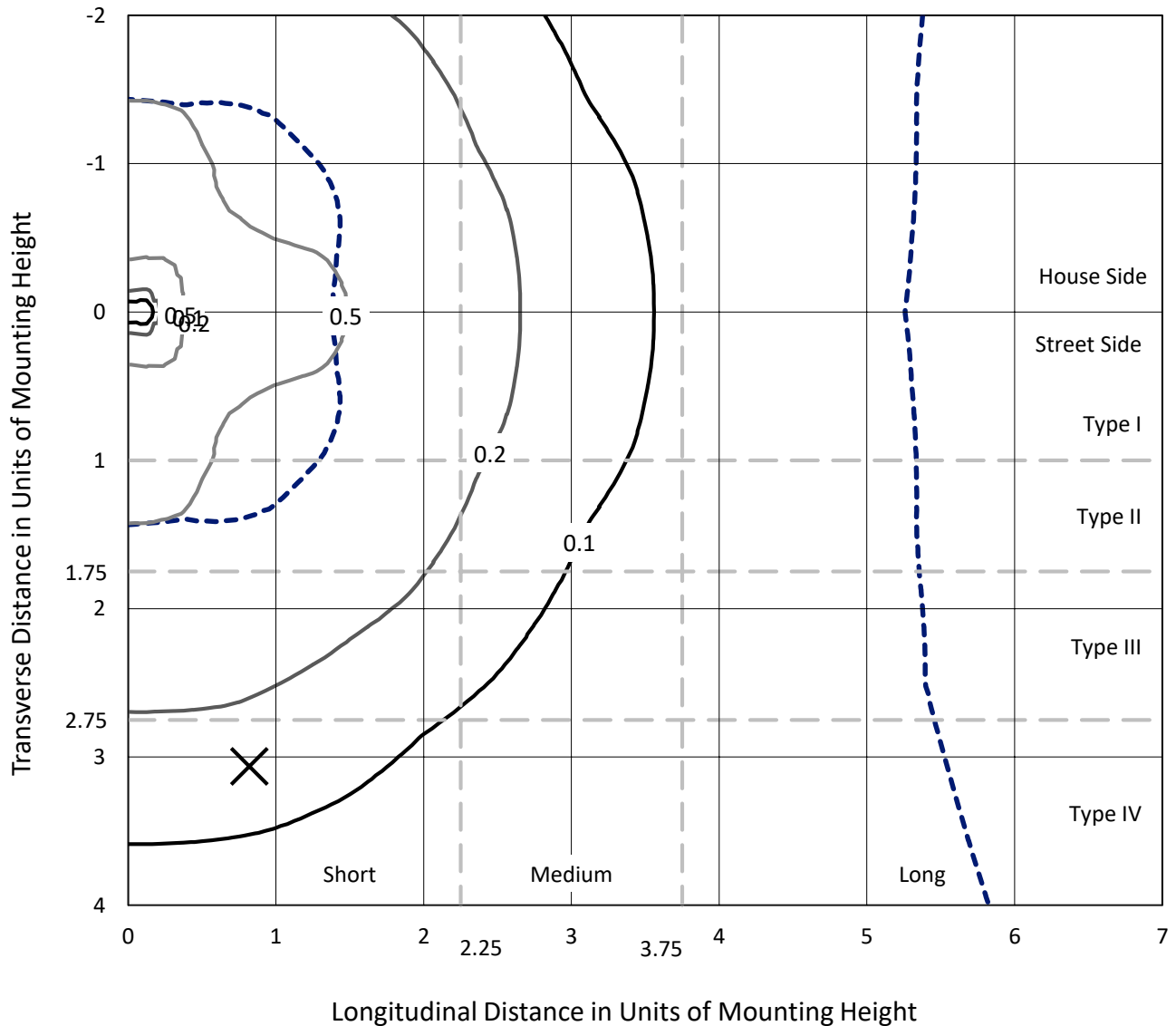
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

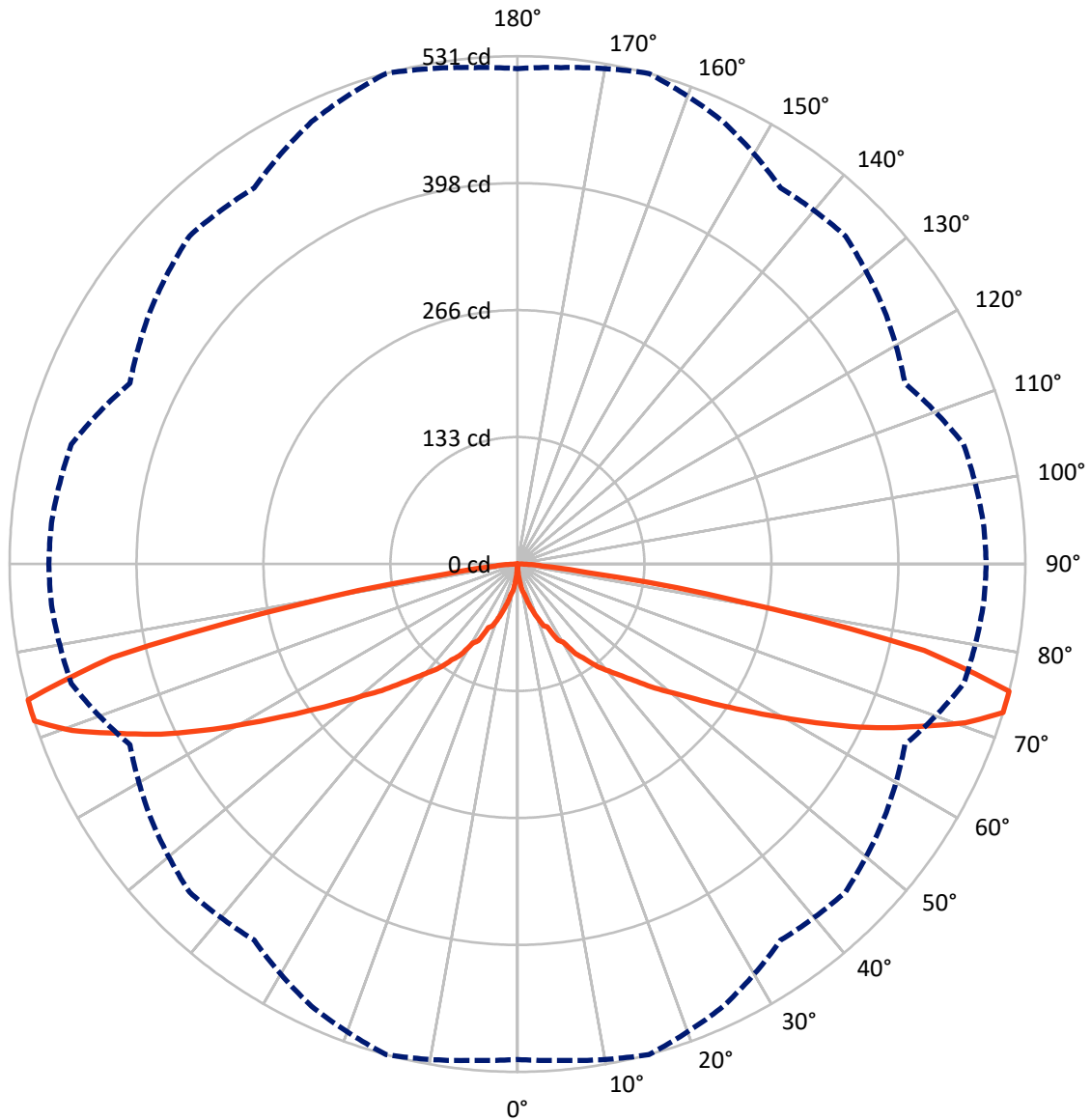
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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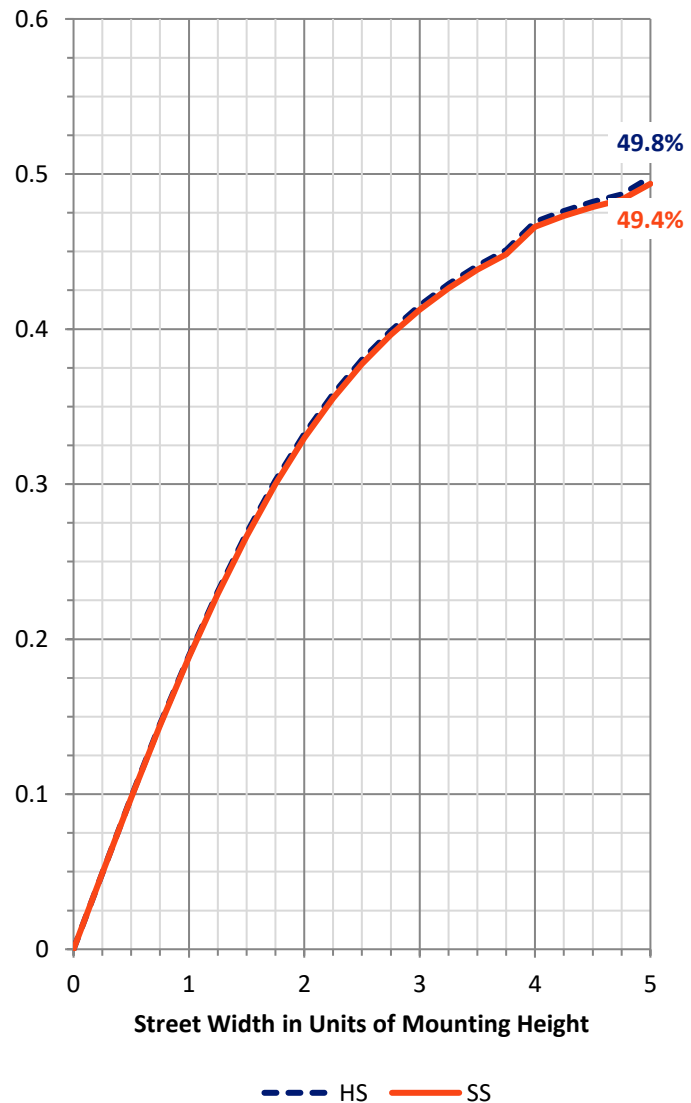
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	719.0	0.0	719.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	719.0	0.0	719.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1438.0	0.0	1438.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	10.9	0.8
20°-30°	36.2	2.5
30°-40°	73.8	5.1
40°-50°	125.4	8.7
50°-60°	221.7	15.4
60°-70°	394.3	27.4
70°-80°	477.2	33.2
80°-90°	97.6	6.8
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°	1438.0	100.0
0°-180°	1438.0	100.0



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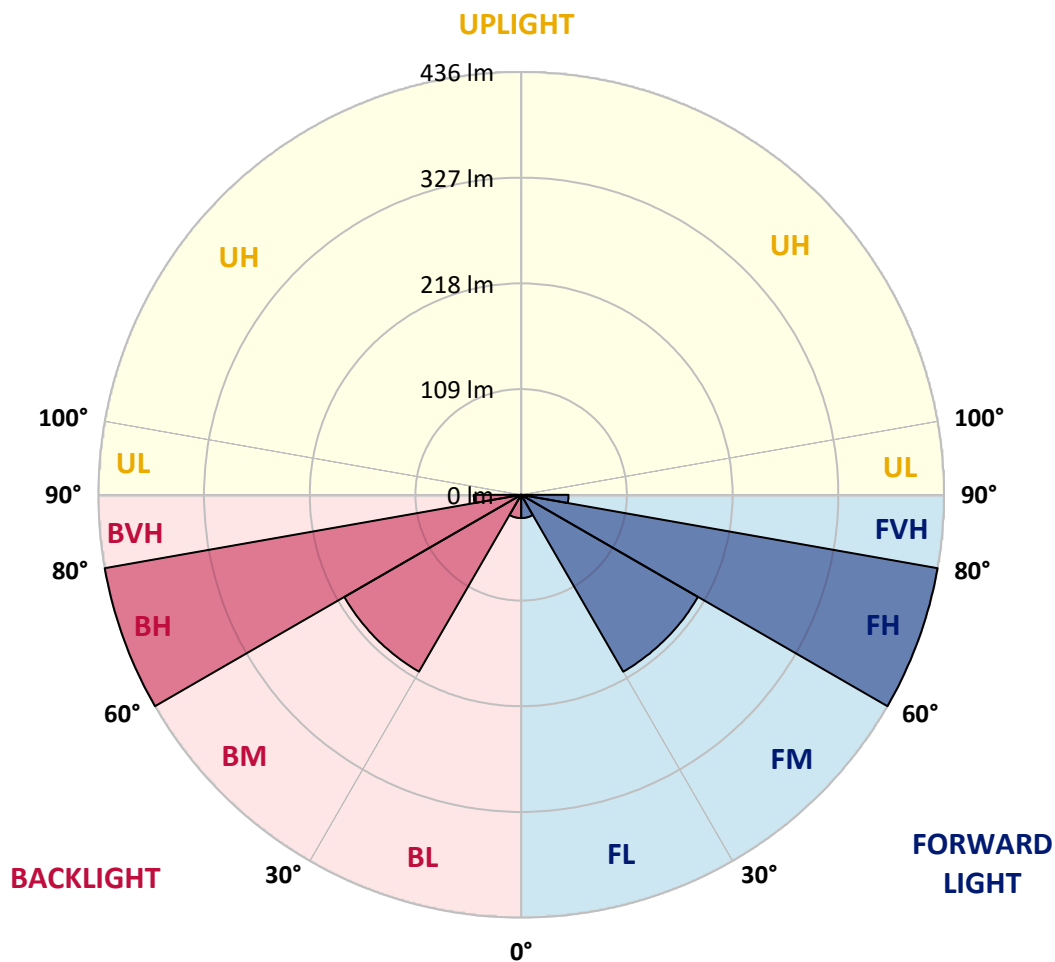
CATALOG NUMBER: UTLD-PA1-30-AMB-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	24.0	1.7			
FM (30°-60°)	210.4	14.6			
FH (60°-80°)	435.8	30.3			G0/660
FVH (80°-90°)	48.8	3.4			G1/100
BL (0°-30°)	24.0	1.7	B0/110		
BM (30°-60°)	210.4	14.6	B0/220		
BH (60°-80°)	435.8	30.3	B1/500		G0/660
BVH (80°-90°)	48.8	3.4			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 V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	11.0	11.0	11.0	11.0	10.0	9.0	3.0	1.0	1.0	0.0	0.0
7.5°	19.0	19.0	19.0	13.0	12.0	11.0	10.0	6.0	1.0	1.0	1.0
10°	30.0	30.0	29.0	23.0	21.0	16.0	11.0	9.0	3.0	2.0	2.0
12.5°	33.0	33.0	32.0	31.0	30.0	21.0	19.0	21.0	29.0	27.0	26.0
15°	44.0	44.0	42.0	39.0	32.0	30.0	40.0	34.0	34.0	30.0	32.0
17.5°	52.0	52.0	51.0	48.0	40.0	47.0	46.0	39.0	42.0	49.0	51.0
20°	62.0	62.0	60.0	51.0	59.0	54.0	49.0	60.0	59.0	61.0	62.0
22.5°	72.0	72.0	70.0	60.0	62.0	60.0	67.0	66.0	64.0	70.0	74.0
25°	82.0	82.0	73.0	71.0	70.0	73.0	70.0	81.0	85.0	91.0	91.0
27.5°	95.0	94.0	90.0	83.0	77.0	79.0	86.0	88.0	90.0	95.0	98.0
30°	107.0	106.0	95.0	93.0	89.0	86.0	89.0	96.0	113.0	122.0	124.0
32.5°	120.0	119.0	112.0	102.0	95.0	98.0	96.0	108.0	117.0	128.0	131.0
35°	136.0	135.0	122.0	111.0	102.0	102.0	107.0	112.0	122.0	134.0	137.0
37.5°	144.0	143.0	136.0	123.0	113.0	111.0	113.0	119.0	130.0	141.0	145.0
40°	155.0	154.0	147.0	132.0	120.0	118.0	120.0	127.0	141.0	154.0	154.0
42.5°	167.0	167.0	160.0	144.0	130.0	127.0	130.0	135.0	150.0	166.0	167.0
45°	181.0	181.0	175.0	157.0	143.0	139.0	142.0	148.0	166.0	182.0	182.0
47.5°	197.0	197.0	194.0	172.0	158.0	153.0	155.0	164.0	184.0	200.0	200.0
50°	218.0	216.0	212.0	190.0	178.0	169.0	172.0	183.0	204.0	221.0	223.0
52.5°	238.0	239.0	235.0	210.0	198.0	191.0	193.0	204.0	232.0	247.0	248.0
55°	264.0	265.0	262.0	236.0	218.0	218.0	220.0	230.0	259.0	273.0	273.0
57.5°	293.0	293.0	293.0	267.0	248.0	251.0	249.0	262.0	289.0	303.0	302.0
60°	328.0	329.0	329.0	310.0	288.0	292.0	288.0	299.0	324.0	336.0	335.0
62.5°	366.0	368.0	370.0	358.0	339.0	345.0	338.0	344.0	365.0	370.0	370.0
65°	405.1	406.1	413.1	398.1	395.1	402.1	386.0	384.0	407.1	407.1	405.1
67.5°	440.1	442.1	453.1	438.1	439.1	447.1	432.1	422.1	440.1	440.1	437.1
70°	481.1	483.1	497.1	481.1	468.1	476.1	463.1	444.1	463.1	463.1	462.1
72.5°	518.1	521.1	531.1	510.1	480.1	485.1	467.1	447.1	483.1	489.1	490.1
75°	515.1	518.1	531.1	515.1	468.1	475.1	463.1	456.1	502.1	511.1	510.1
77.5°	413.1	411.1	435.1	456.1	439.1	455.1	454.1	428.1	448.1	437.1	429.1
80°	185.0	185.0	232.0	302.0	370.0	428.1	388.0	298.0	244.0	206.0	193.0
82.5°	38.0	47.0	74.0	121.0	220.0	325.0	238.0	123.0	79.0	49.0	44.0
85°	14.0	15.0	26.0	37.0	68.0	147.0	83.0	40.0	34.0	25.0	24.0
87.5°	5.0	6.0	12.0	13.0	19.0	28.0	25.0	21.0	21.0	15.0	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)