

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207808

Luminaire Tested: UPW-SA1-030-730-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-730-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4554 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 34  
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

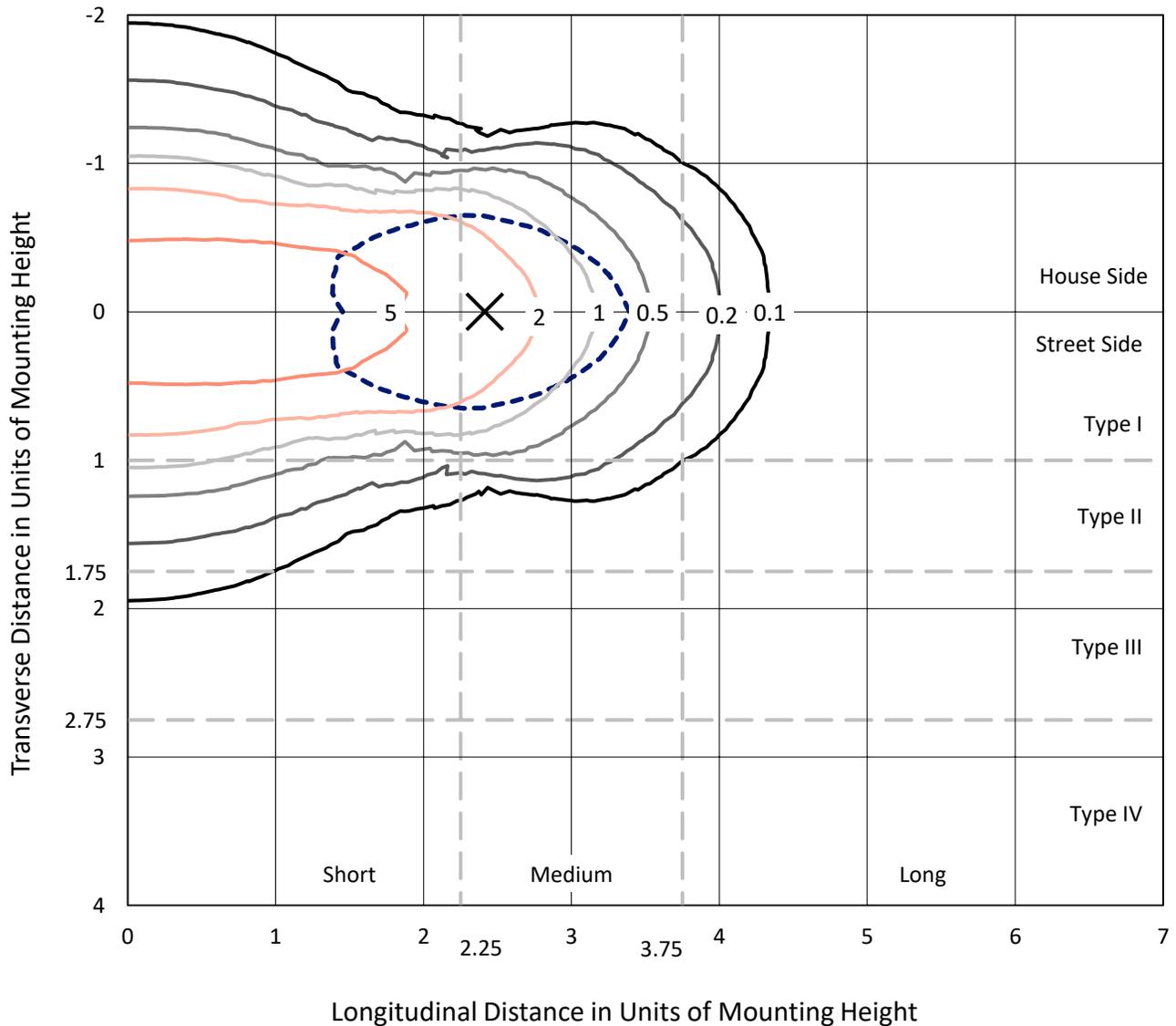


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

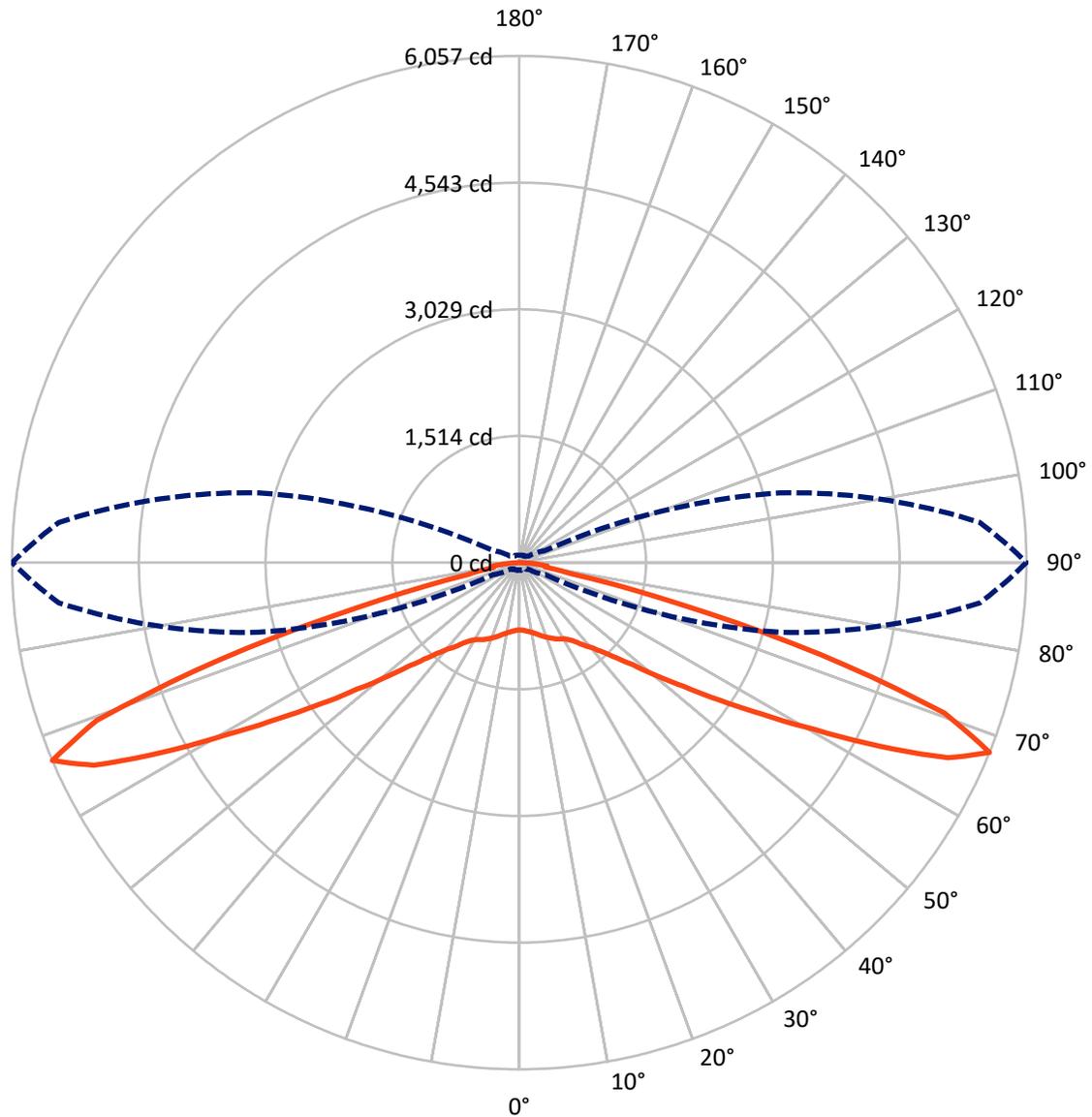


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2277.0	0.0	2277.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2277.0	0.0	2277.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4554.0	0.0	4554.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	1.8
10°-20°	257.2	5.6
20°-30°	430.4	9.5
30°-40°	583.1	12.8
40°-50°	738.6	16.2
50°-60°	922.7	20.3
60°-70°	1084.6	23.8
70°-80°	414.9	9.1
80°-90°	42.0	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°	4554.0	100.0
0°-180°	4554.0	100.0



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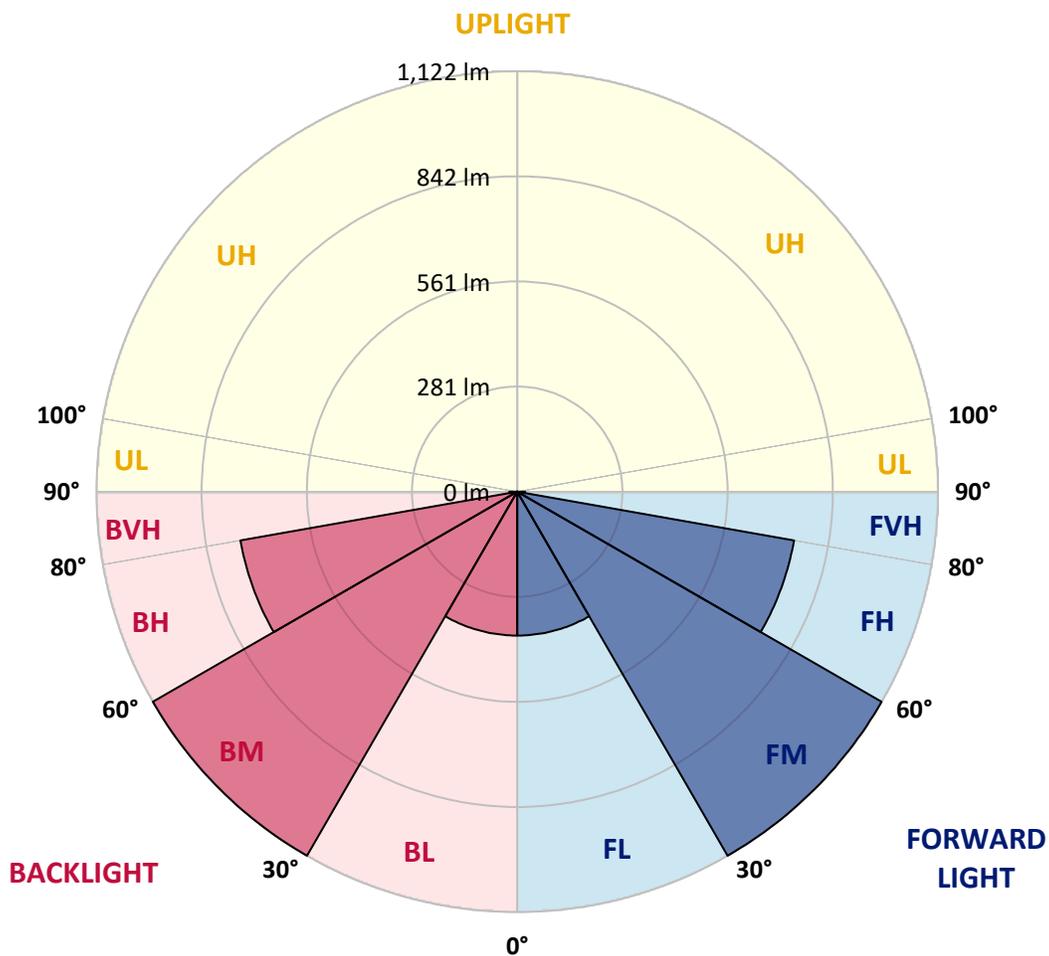
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.0	8.4			
FM (30°-60°)	1122.2	24.6			
FH (60°-80°)	749.8	16.5			G1/1800
FVH (80°-90°)	21.0	0.5			G1/100
BL (0°-30°)	384.0	8.4	B1/500		
BM (30°-60°)	1122.2	24.6	B2/2500		
BH (60°-80°)	749.8	16.5	B2/1000		G2/1000
BVH (80°-90°)	21.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2
2.5°	816.5	816.0	816.3	816.0	816.8	816.3	813.3	810.7	808.7	809.0	808.2
5°	833.9	834.2	834.4	833.2	834.9	833.9	829.1	825.1	821.1	819.6	819.1
7.5°	848.3	849.6	850.3	851.6	854.6	854.6	852.1	846.3	837.5	832.4	832.2
10°	862.7	863.7	866.0	870.0	875.0	879.8	878.8	871.0	859.7	851.1	849.1
12.5°	867.7	869.0	876.6	888.2	899.5	908.8	908.8	902.5	887.9	874.8	871.0
15°	850.1	852.3	866.0	890.7	920.4	940.9	945.4	936.6	920.9	900.8	896.2
17.5°	815.0	820.6	840.5	877.1	926.5	968.9	982.0	977.7	957.5	931.8	926.5
20°	777.5	783.5	804.7	853.1	921.4	985.2	1023.3	1024.3	999.4	962.0	954.2
22.5°	736.1	740.6	767.9	824.6	906.3	989.0	1058.9	1076.3	1042.5	992.3	981.2
25°	689.7	694.7	723.2	784.5	877.8	984.7	1091.4	1129.7	1087.6	1024.6	1010.5
27.5°	645.3	647.3	677.8	740.1	840.2	973.6	1115.4	1178.9	1137.6	1051.3	1033.4
30°	602.7	607.5	634.5	696.0	797.1	952.0	1136.0	1234.9	1191.3	1079.3	1056.4
32.5°	557.6	563.4	592.6	654.9	754.0	919.4	1148.7	1296.2	1266.2	1124.7	1100.2
35°	514.2	518.0	547.5	608.0	711.9	881.6	1150.9	1365.3	1362.7	1193.5	1161.0
37.5°	469.8	475.3	505.1	563.1	667.3	841.5	1139.6	1438.7	1479.3	1289.1	1254.1
40°	427.2	432.0	461.2	519.7	616.6	792.6	1112.6	1505.7	1615.2	1387.5	1337.8
42.5°	380.8	382.0	414.1	473.6	566.9	735.8	1073.8	1565.5	1766.7	1519.3	1457.6
45°	328.1	331.4	361.1	419.6	509.9	672.3	1021.1	1614.9	1958.9	1702.2	1617.9
47.5°	275.4	278.1	305.4	363.1	447.6	599.4	939.9	1658.3	2156.1	1934.4	1824.0
50°	223.9	225.4	247.6	298.8	377.5	522.8	839.2	1672.2	2379.0	2263.3	2122.3
52.5°	177.0	179.3	196.2	236.3	302.6	432.2	730.5	1637.9	2639.3	2653.1	2454.4
55°	143.5	144.2	156.9	186.4	236.5	337.4	599.4	1542.3	2919.2	3152.7	2899.2
57.5°	123.6	124.1	131.1	147.5	182.1	254.4	465.0	1361.5	3170.6	3738.0	3412.2
60°	112.2	112.5	116.5	126.1	144.2	195.2	333.1	1106.3	3418.7	4389.3	4049.7
62.5°	105.2	105.2	107.9	113.2	122.1	149.8	241.3	798.1	3588.7	5050.3	4835.4
65°	98.3	98.3	100.4	104.1	108.9	122.6	178.3	520.5	3584.4	5531.7	5625.7
67.5°	90.5	90.5	92.0	95.8	98.6	105.4	137.7	340.9	3219.8	5521.1	6057.0
70°	81.2	81.2	83.2	86.5	88.8	93.1	108.7	233.3	2365.4	4714.1	5386.7
72.5°	71.9	72.1	73.4	76.7	78.4	80.9	90.3	163.4	1451.0	3209.9	3766.5
75°	61.5	62.0	63.3	66.6	68.1	69.1	76.2	116.5	734.1	1730.7	1970.5
77.5°	49.7	50.7	51.4	55.0	56.0	57.5	62.8	84.2	322.3	621.9	627.4
80°	36.3	37.6	39.8	43.1	43.9	44.9	47.9	59.8	146.0	283.9	308.4
82.5°	26.7	28.5	25.7	30.0	30.0	28.7	33.8	40.1	67.1	281.2	336.4
85°	14.6	14.9	13.4	15.4	16.4	16.1	17.9	19.7	32.5	187.6	193.4
87.5°	3.5	3.8	4.0	4.8	5.8	5.8	6.3	5.5	10.6	60.8	34.8
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)