

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: P1208741

Luminaire Tested: UPW-SA2-070-727-U-5WQ

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-727-U-5WQ  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8567 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 66  
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

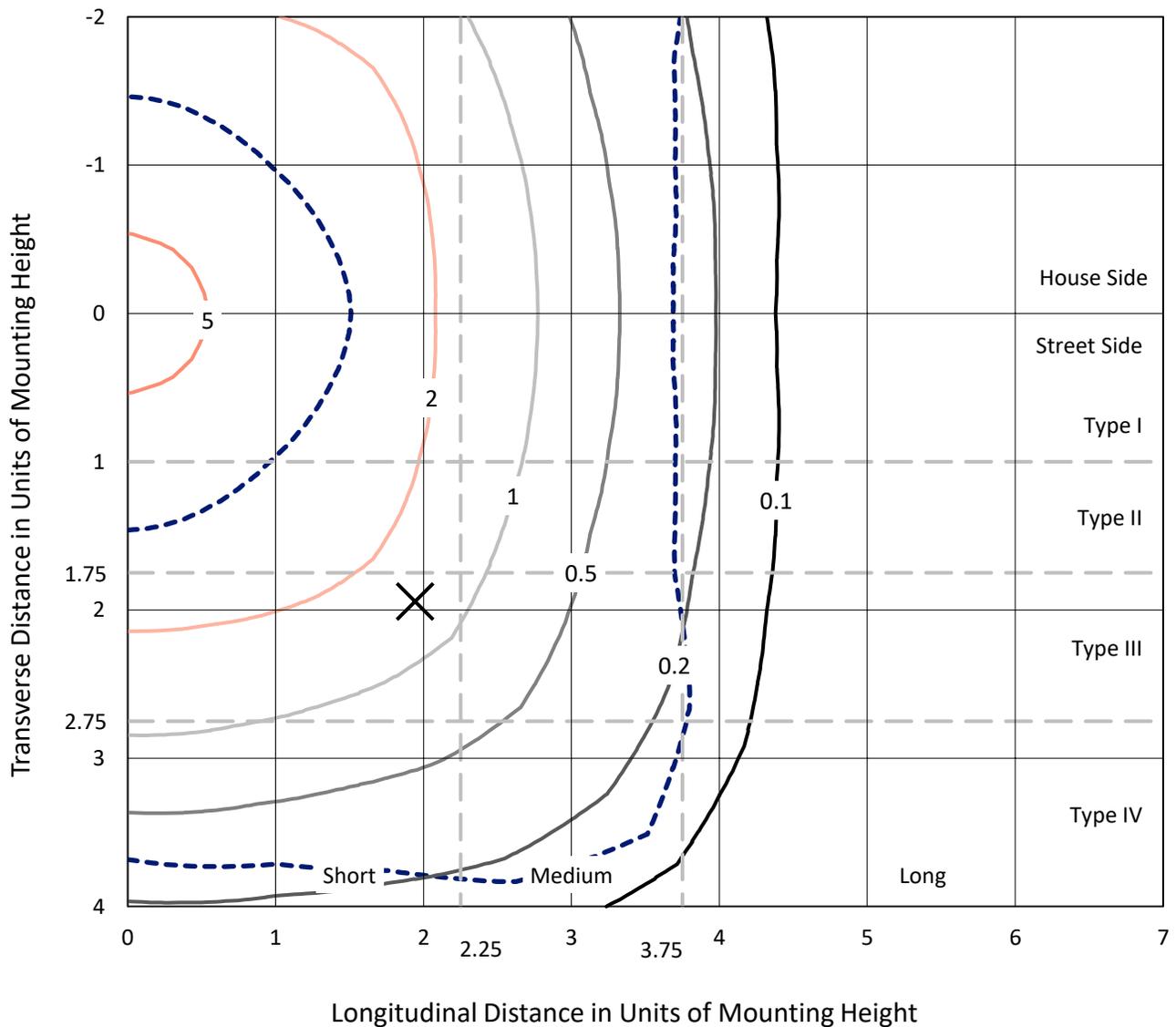


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### Iso-Footcandle Lines of Horizontal Illumination

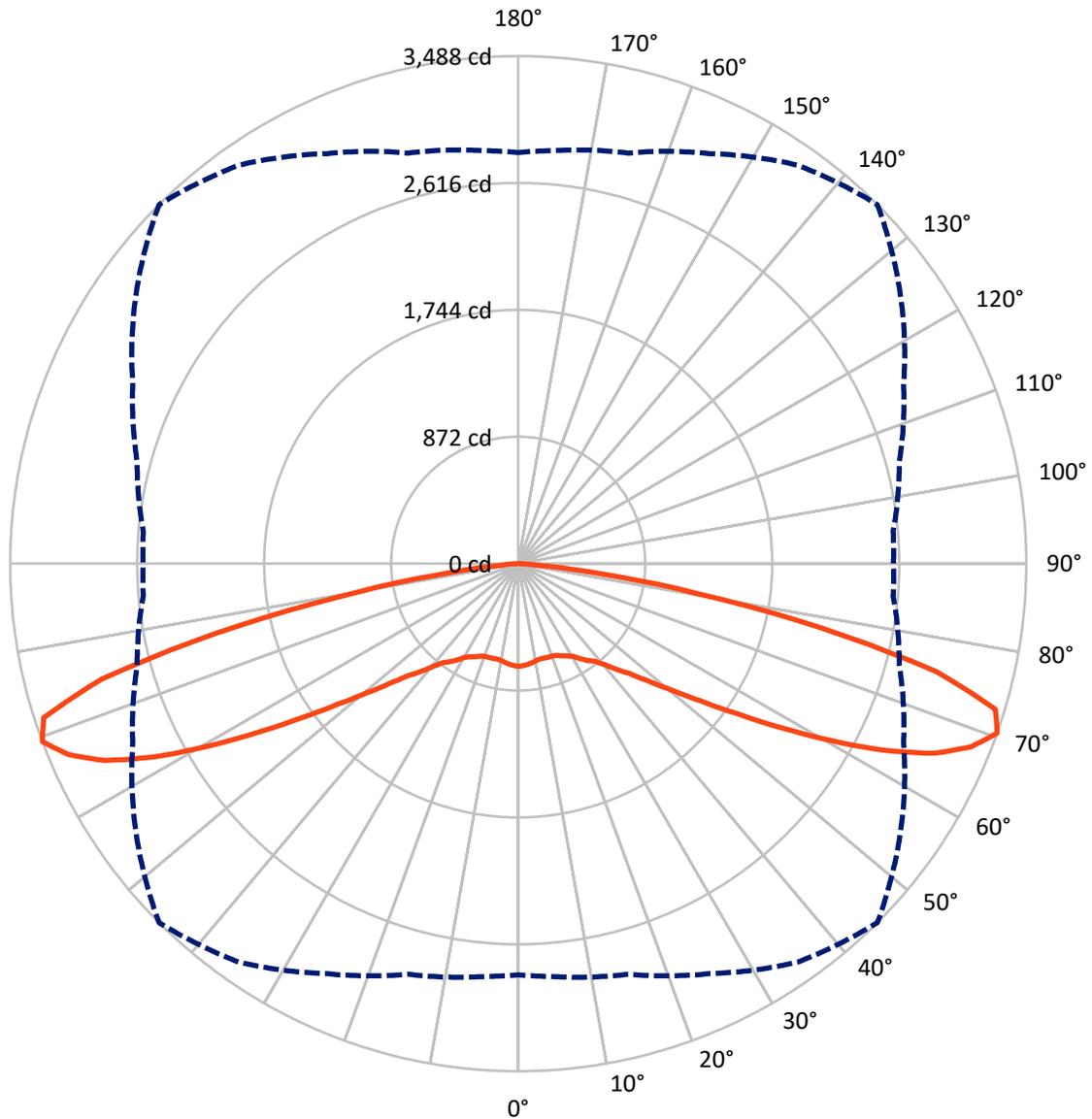
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4283.5	0.0	4283.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4283.5	0.0	4283.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8567.0	0.0	8567.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.8	0.8
10°-20°	192.2	2.2
20°-30°	327.7	3.8
30°-40°	512.1	6.0
40°-50°	867.9	10.1
50°-60°	1582.6	18.5
60°-70°	2724.6	31.8
70°-80°	2135.7	24.9
80°-90°	158.4	1.8
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°	8567.0	100.0
0°-180°	8567.0	100.0



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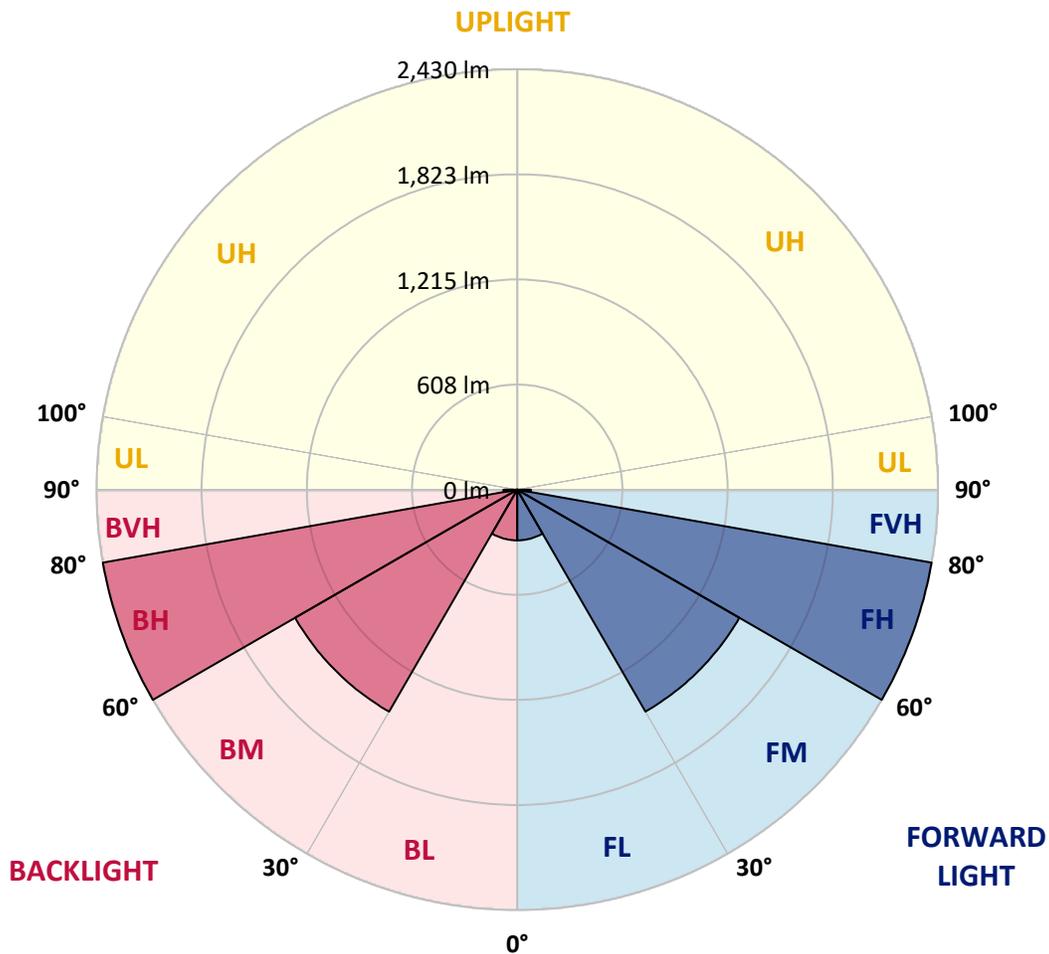
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.9	3.4			
FM (30°-60°)	1481.3	17.3			
FH (60°-80°)	2430.1	28.4			G2/5000
FVH (80°-90°)	79.2	0.9			G1/100
BL (0°-30°)	292.9	3.4	B1/500		
BM (30°-60°)	1481.3	17.3	B2/2500		
BH (60°-80°)	2430.1	28.4	B3/2500		G2/5000
BVH (80°-90°)	79.2	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1	705.1
2.5°	701.9	702.8	701.9	702.5	701.1	701.7	701.7	701.7	701.4	701.7	701.1
5°	695.7	696.3	695.1	695.7	694.9	695.7	696.0	695.7	695.1	695.4	694.3
7.5°	686.4	686.9	686.1	686.9	685.8	687.2	686.9	686.1	685.2	685.2	684.1
10°	681.3	681.5	679.3	678.4	675.9	676.4	677.3	678.1	679.0	680.7	680.4
12.5°	681.5	681.5	678.1	674.5	670.8	671.6	673.0	676.2	679.6	682.7	683.0
15°	684.4	684.1	679.0	673.0	670.5	673.0	673.9	675.9	681.3	686.6	686.9
17.5°	686.4	686.4	678.4	671.6	671.3	675.3	675.0	675.9	681.8	689.8	690.0
20°	690.0	690.0	679.8	672.5	672.5	676.7	677.0	678.4	684.4	693.2	694.6
22.5°	698.3	698.5	687.8	681.8	682.4	684.9	685.8	688.1	693.4	703.1	704.8
25°	709.9	710.4	699.4	696.0	698.0	702.8	702.2	703.9	709.9	719.2	720.9
27.5°	726.0	724.6	714.4	713.0	715.0	718.4	718.1	718.4	723.2	731.7	733.7
30°	747.0	746.4	739.1	739.9	739.1	737.9	738.2	740.5	743.0	749.8	751.8
32.5°	767.4	768.0	763.4	767.7	773.9	778.2	771.7	765.4	762.6	766.3	768.0
35°	804.3	805.7	798.6	795.7	804.3	816.7	798.3	788.1	793.8	798.6	800.0
37.5°	866.9	867.7	855.8	844.5	838.3	850.2	831.7	832.6	852.4	861.5	861.2
40°	938.3	938.6	930.6	920.7	910.0	912.8	905.4	907.7	920.7	928.9	931.2
42.5°	1023.3	1022.5	1010.0	995.8	992.7	995.5	983.1	981.4	996.4	1011.1	1011.4
45°	1133.5	1131.6	1115.4	1099.8	1084.8	1078.6	1075.5	1083.7	1104.4	1118.0	1118.2
47.5°	1252.3	1246.9	1238.4	1225.9	1212.9	1206.7	1201.6	1205.5	1220.5	1225.9	1226.5
50°	1374.4	1375.6	1377.3	1372.4	1367.6	1365.6	1352.3	1344.7	1349.2	1339.3	1337.9
52.5°	1519.2	1521.5	1537.9	1551.8	1560.0	1564.3	1539.1	1512.7	1498.0	1478.7	1473.0
55°	1690.1	1693.8	1717.9	1756.4	1796.1	1817.1	1771.4	1722.1	1676.5	1640.5	1628.9
57.5°	1880.6	1887.1	1920.2	1994.2	2075.5	2125.1	2048.0	1958.5	1870.4	1818.5	1809.4
60°	2103.9	2110.1	2156.0	2262.0	2393.8	2468.3	2351.5	2205.0	2095.4	2045.8	2029.0
62.5°	2369.7	2370.2	2426.6	2550.5	2724.5	2828.2	2670.1	2474.2	2361.2	2301.4	2285.2
65°	2655.6	2657.0	2715.4	2849.2	3029.1	3141.9	2963.4	2759.3	2621.0	2532.9	2520.4
67.5°	2857.7	2863.6	2925.1	3086.1	3254.4	3356.1	3171.4	2940.7	2780.9	2675.7	2665.2
70°	2825.4	2848.6	2920.9	3108.7	3342.8	3487.9	3205.1	2919.2	2708.3	2584.2	2575.4
72.5°	2464.0	2508.5	2604.9	2851.4	3225.8	3425.6	3021.2	2614.5	2375.9	2270.2	2254.3
75°	1677.9	1750.2	1895.6	2251.2	2755.9	2965.9	2543.4	2084.6	1860.1	1713.9	1703.2
77.5°	748.1	764.6	948.8	1358.3	1901.8	2129.9	1848.0	1363.7	1023.6	816.4	772.8
80°	208.6	211.1	281.7	505.8	951.9	1251.4	1021.9	531.3	298.7	210.6	198.4
82.5°	66.3	72.0	87.8	131.2	319.9	571.0	328.4	141.7	100.9	80.5	72.5
85°	32.3	32.0	44.5	53.3	81.6	126.4	87.0	65.7	57.5	38.3	34.6
87.5°	13.6	13.9	20.7	18.7	23.8	20.4	28.1	29.5	30.9	17.0	14.7
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)