

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: P1208915

Luminaire Tested: UPW-SA2-070-827-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-827-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7182 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

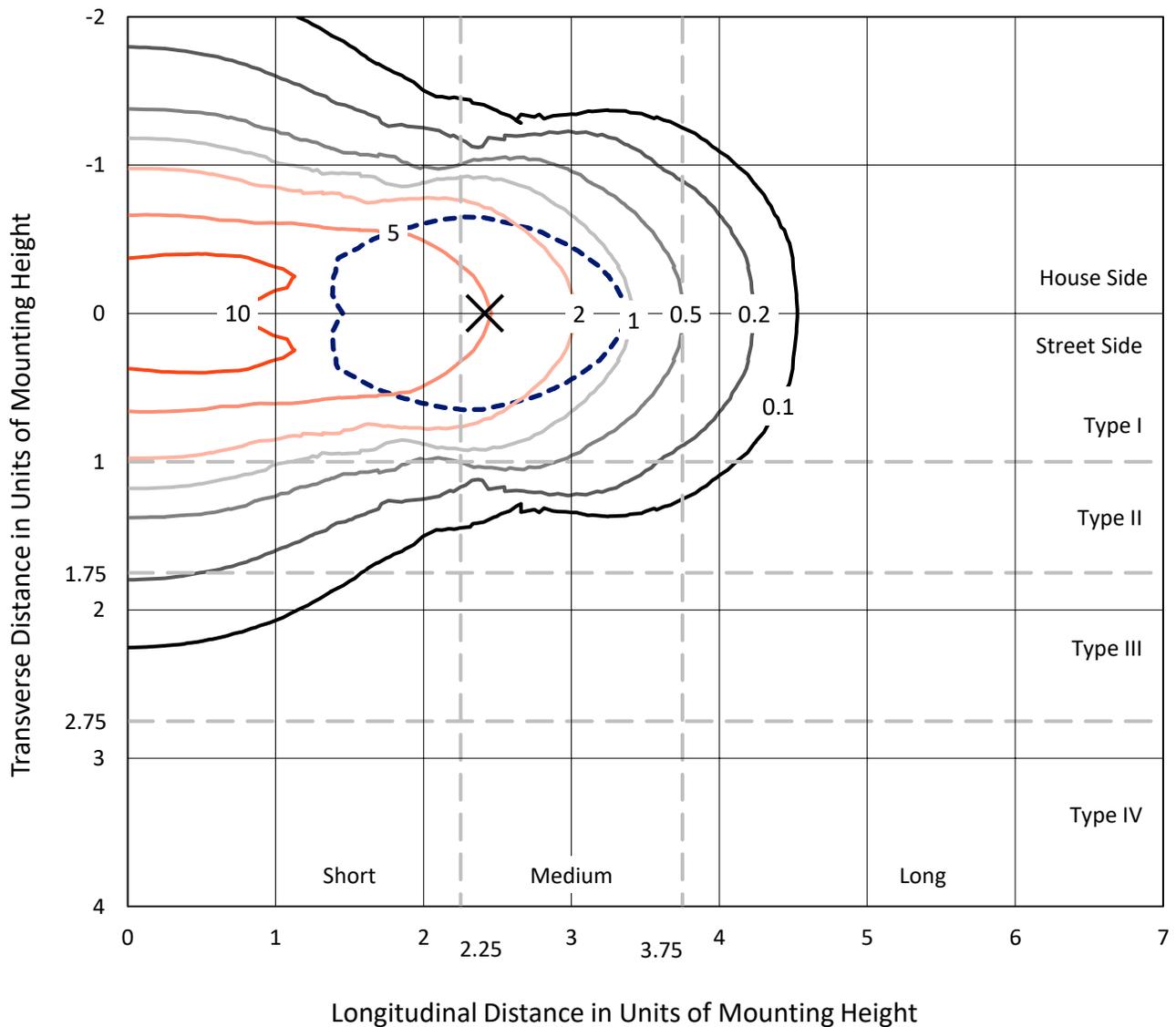
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

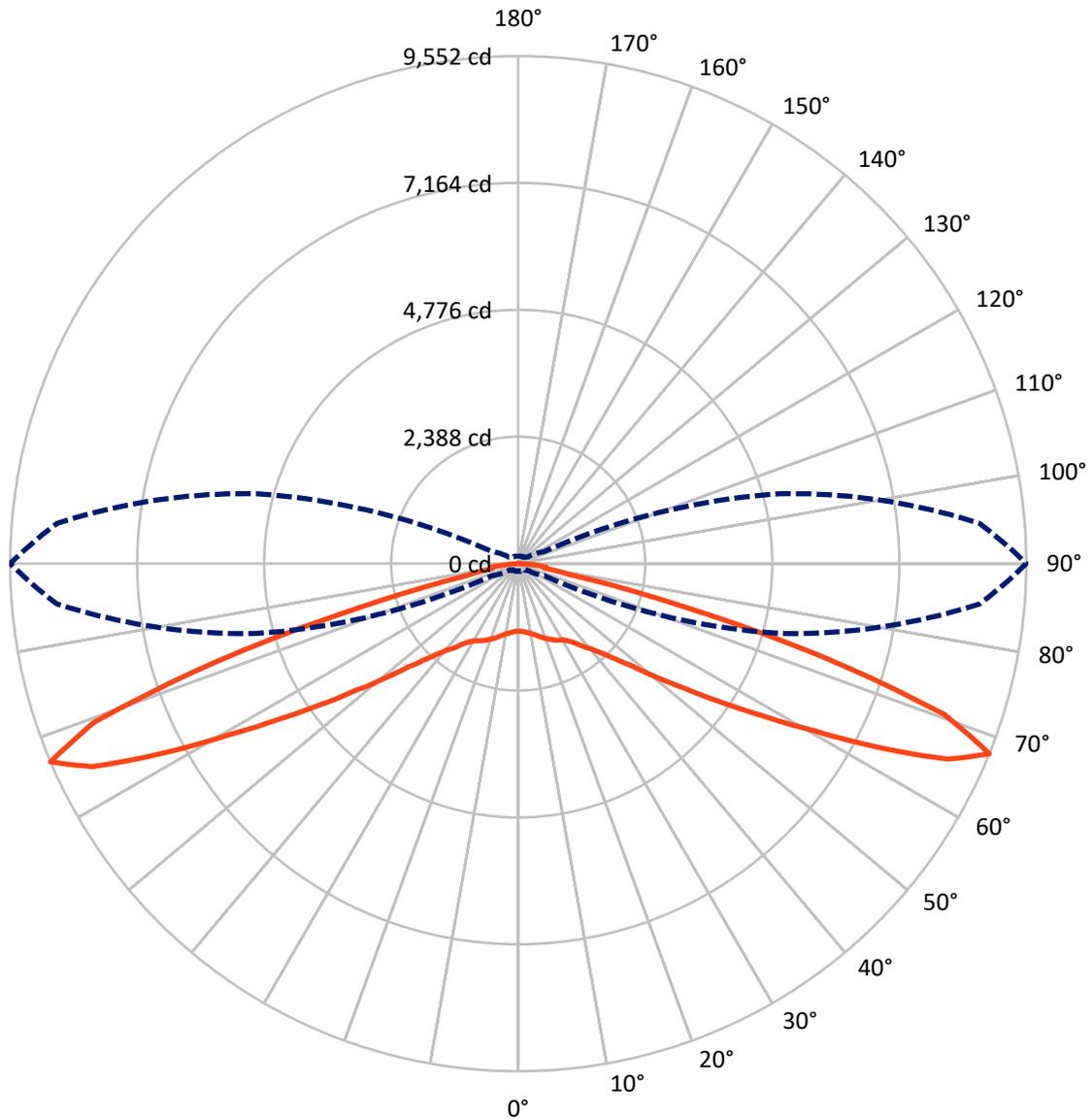


Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type I - Short - N/A

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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	3591.0	0.0	3591.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3591.0	0.0	3591.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7182.0	0.0	7182.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.8	1.8
10°-20°	405.6	5.6
20°-30°	678.8	9.5
30°-40°	919.6	12.8
40°-50°	1164.9	16.2
50°-60°	1455.2	20.3
60°-70°	1710.5	23.8
70°-80°	654.4	9.1
80°-90°	66.3	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°	7182.0	100.0
0°-180°	7182.0	100.0



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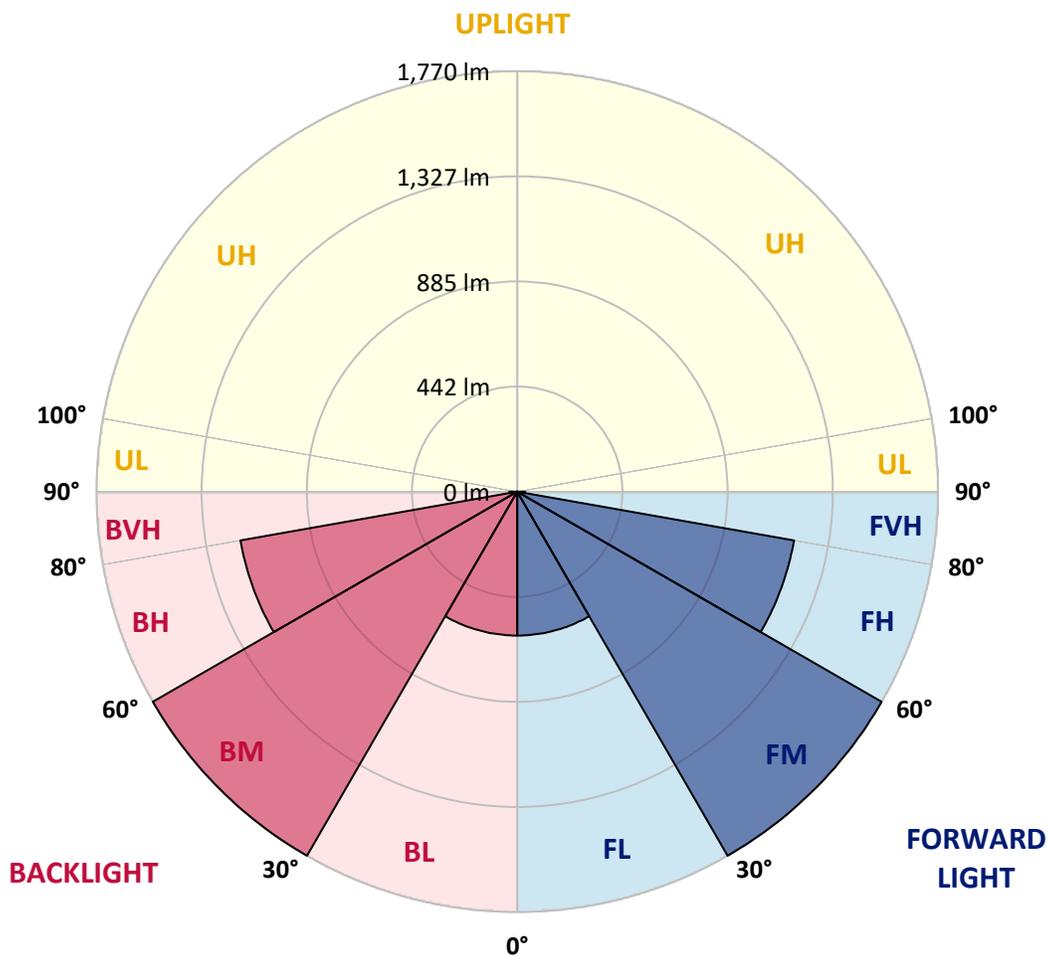
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.6	8.4			
FM (30°-60°)	1769.8	24.6			
FH (60°-80°)	1182.4	16.5			G1/1800
FVH (80°-90°)	33.1	0.5			G1/100
BL (0°-30°)	605.6	8.4	B2/1000		
BM (30°-60°)	1769.8	24.6	B2/2500		
BH (60°-80°)	1182.4	16.5	B3/2500		G3/2500
BVH (80°-90°)	33.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4	1271.4
2.5°	1287.7	1286.9	1287.3	1286.9	1288.1	1287.3	1282.6	1278.6	1275.4	1275.8	1274.6
5°	1315.2	1315.6	1316.0	1314.0	1316.8	1315.2	1307.6	1301.3	1294.9	1292.5	1291.7
7.5°	1337.9	1339.8	1341.0	1343.0	1347.8	1347.8	1343.8	1334.7	1320.8	1312.8	1312.4
10°	1360.5	1362.1	1365.7	1372.1	1380.0	1387.6	1386.0	1373.6	1355.7	1342.2	1339.0
12.5°	1368.5	1370.5	1382.4	1400.7	1418.6	1433.3	1433.3	1423.4	1400.3	1379.6	1373.6
15°	1340.6	1344.2	1365.7	1404.7	1451.6	1483.8	1491.0	1477.0	1452.4	1420.6	1413.4
17.5°	1285.4	1294.1	1325.5	1383.2	1461.1	1528.0	1548.6	1541.9	1510.1	1469.5	1461.1
20°	1226.1	1235.6	1269.1	1345.4	1453.2	1553.8	1613.9	1615.4	1576.1	1517.2	1504.9
22.5°	1160.9	1168.0	1211.0	1300.5	1429.3	1559.8	1669.9	1697.4	1644.1	1564.9	1547.4
25°	1087.7	1095.7	1140.6	1237.2	1384.4	1553.0	1721.2	1781.7	1715.3	1615.8	1593.6
27.5°	1017.7	1020.9	1069.0	1167.2	1325.1	1535.5	1759.0	1859.2	1794.0	1658.0	1629.8
30°	950.5	958.1	1000.6	1097.6	1257.1	1501.3	1791.6	1947.5	1878.7	1702.1	1666.0
32.5°	879.3	888.5	934.6	1032.8	1189.1	1450.0	1811.5	2044.2	1996.8	1773.7	1735.2
35°	810.9	816.9	863.4	958.8	1122.7	1390.3	1815.1	2153.1	2149.2	1882.3	1831.0
37.5°	740.9	749.7	796.6	888.1	1052.3	1327.1	1797.2	2268.9	2332.9	2033.0	1977.7
40°	673.7	681.3	727.4	819.7	972.4	1250.0	1754.6	2374.6	2547.2	2188.1	2109.8
42.5°	600.5	602.5	653.0	746.9	894.0	1160.5	1693.4	2468.9	2786.3	2396.1	2298.7
45°	517.4	522.6	569.5	661.8	804.1	1060.3	1610.3	2546.9	3089.3	2684.5	2551.6
47.5°	434.3	438.7	481.6	572.7	705.9	945.3	1482.2	2615.3	3400.3	3050.7	2876.5
50°	353.2	355.5	390.5	471.3	595.4	824.4	1323.5	2637.1	3751.9	3569.3	3347.0
52.5°	279.2	282.8	309.4	372.6	477.2	681.7	1152.1	2583.0	4162.3	4184.2	3870.8
55°	226.3	227.5	247.4	293.9	373.0	532.1	945.3	2432.3	4603.7	4972.0	4572.3
57.5°	194.9	195.7	206.8	232.7	287.1	401.3	733.4	2147.2	5000.2	5895.1	5381.2
60°	177.0	177.4	183.7	198.8	227.5	307.8	525.4	1744.7	5391.6	6922.3	6386.6
62.5°	165.8	165.8	170.2	178.6	192.5	236.2	380.6	1258.7	5659.6	7964.7	7625.8
65°	155.1	155.1	158.3	164.2	171.8	193.3	281.2	820.8	5652.9	8723.9	8872.2
67.5°	142.8	142.8	145.2	151.1	155.5	166.2	217.1	537.7	5077.8	8707.2	9552.3
70°	128.1	128.1	131.2	136.4	140.0	146.8	171.4	367.9	3730.4	7434.5	8495.2
72.5°	113.3	113.7	115.7	120.9	123.7	127.7	142.4	257.7	2288.3	5062.3	5940.0
75°	97.0	97.8	99.8	105.0	107.4	109.0	120.1	183.7	1157.7	2729.4	3107.6
77.5°	78.3	79.9	81.1	86.7	88.3	90.7	99.0	132.8	508.3	980.7	989.5
80°	57.3	59.3	62.8	68.0	69.2	70.8	75.6	94.3	230.3	447.8	486.4
82.5°	42.2	44.9	40.6	47.3	47.3	45.3	53.3	63.2	105.8	443.4	530.5
85°	23.1	23.5	21.1	24.3	25.9	25.5	28.2	31.0	51.3	295.9	305.0
87.5°	5.6	6.0	6.4	7.6	9.1	9.1	9.9	8.7	16.7	95.8	54.9
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)