

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: P1208820

Luminaire Tested: UPW-SA2-070-740-U-5MQ

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208820  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-740-U-5MQ  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10216 lumens  
Efficiency: N/A  
Efficacy: 154.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

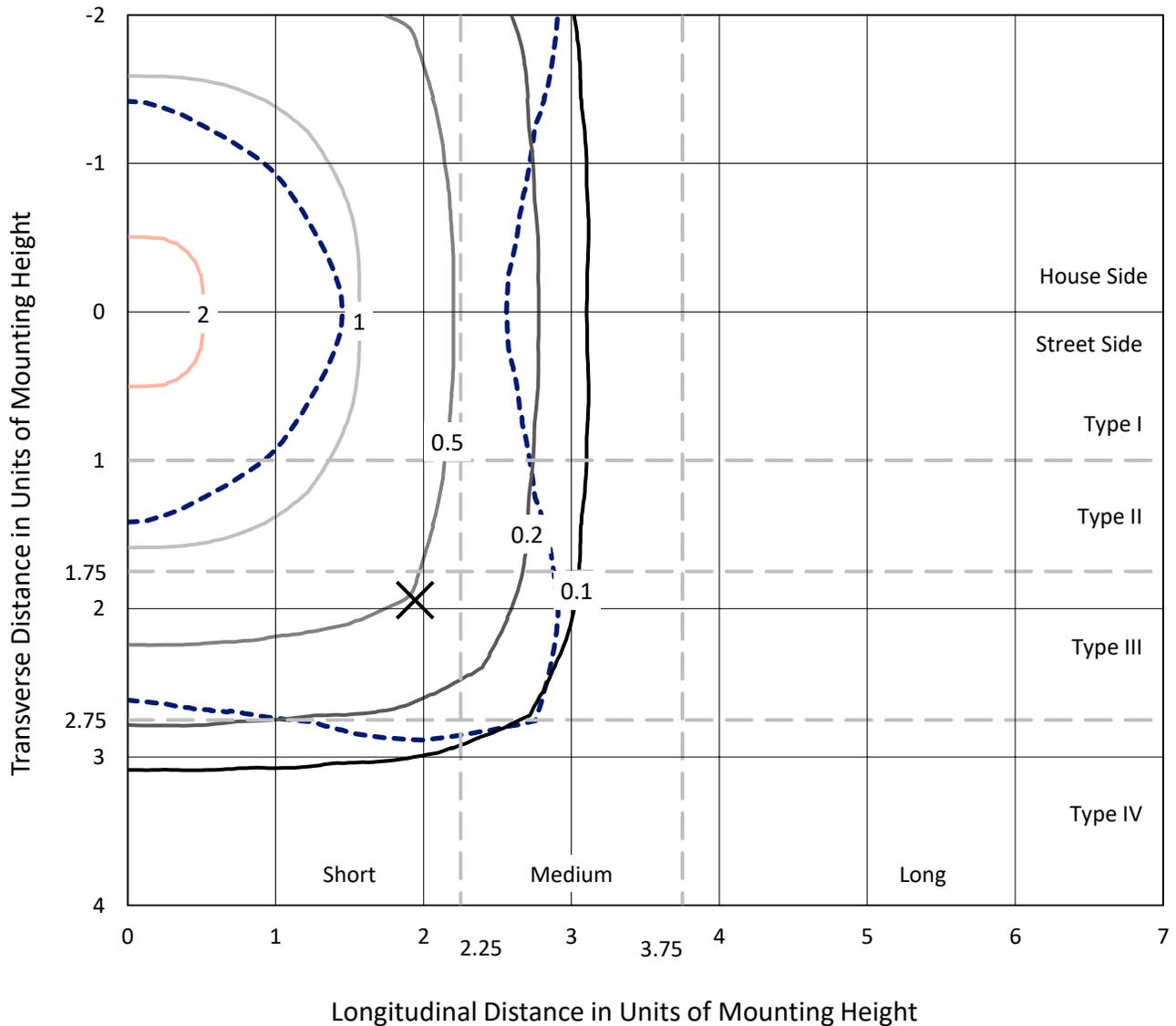
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

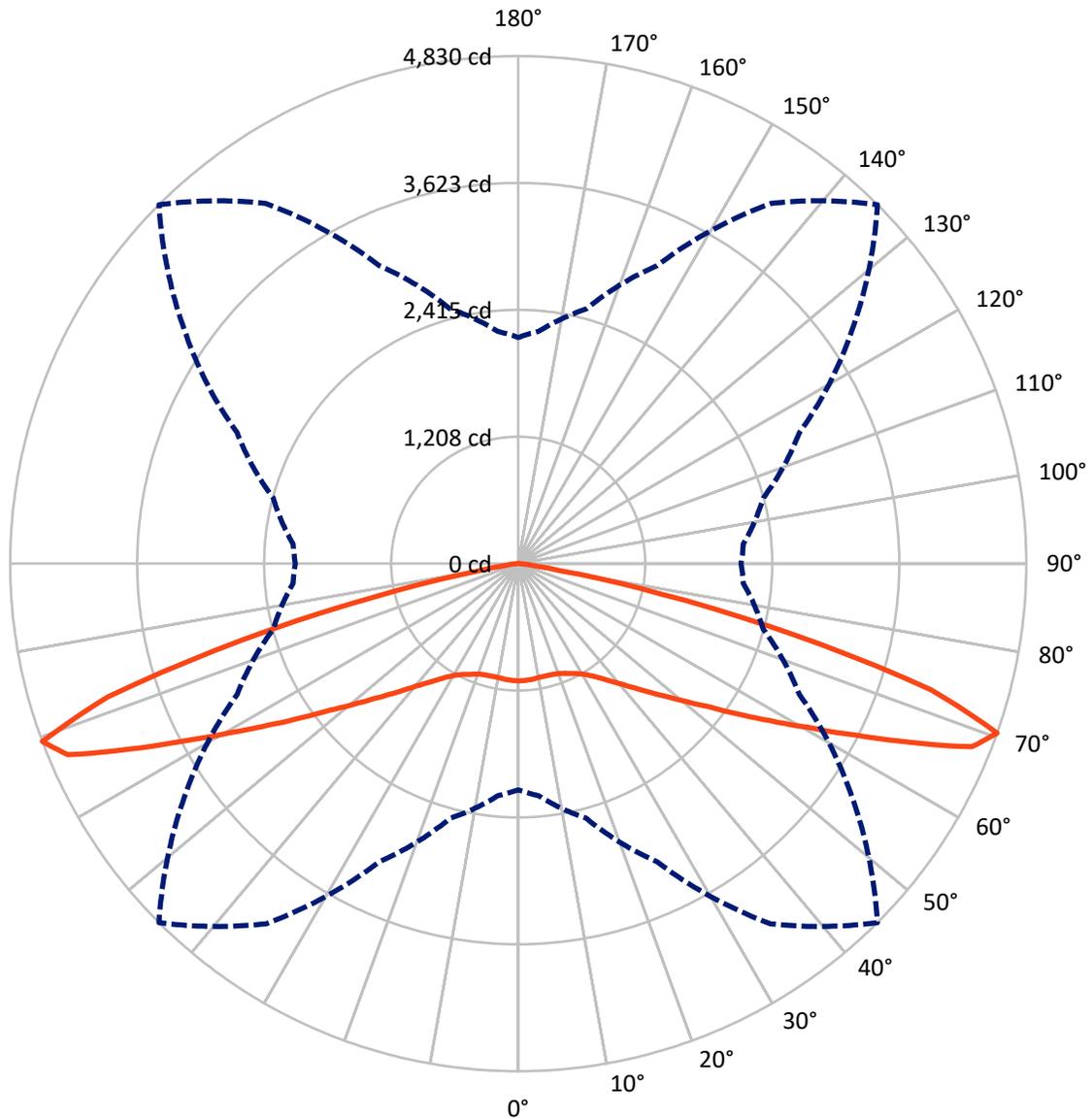
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 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	5108.0	0.0	5108.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5108.0	0.0	5108.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10216.0	0.0	10216.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	1.0
10°-20°	310.2	3.0
20°-30°	528.1	5.2
30°-40°	837.6	8.2
40°-50°	1363.0	13.3
50°-60°	2247.3	22.0
60°-70°	3299.1	32.3
70°-80°	1458.9	14.3
80°-90°	66.1	0.6
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°	10216.0	100.0
0°-180°	10216.0	100.0



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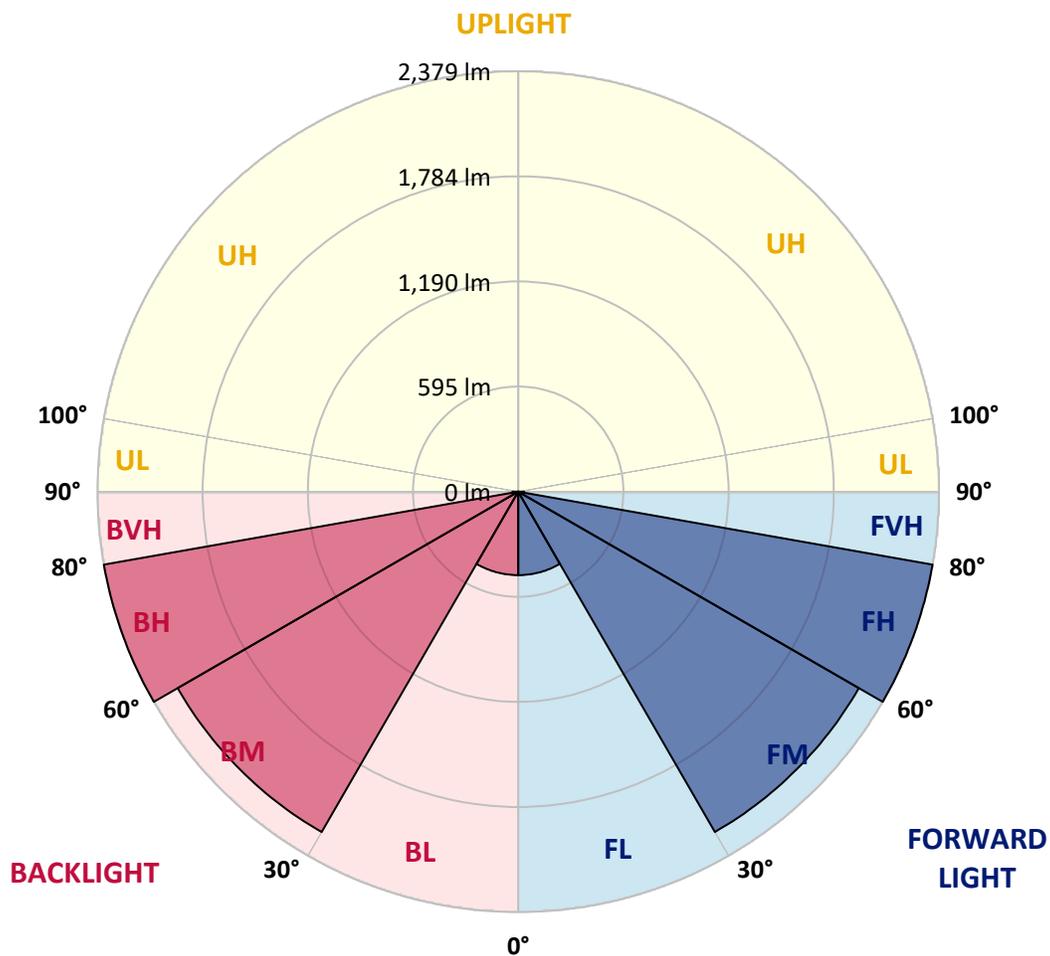
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	472.0	4.6			
FM	(30°-60°)	2224.0	21.8			
FH	(60°-80°)	2379.0	23.3			G2/5000
FVH	(80°-90°)	33.0	0.3			G1/100
BL	(0°-30°)	472.0	4.6	B1/500		
BM	(30°-60°)	2224.0	21.8	B2/2500		
BH	(60°-80°)	2379.0	23.3	B3/2500		G2/5000
BVH	(80°-90°)	33.0	0.3			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°	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7	1115.7
2.5°	1114.1	1113.0	1115.4	1115.1	1113.0	1113.4	1113.4	1114.4	1114.4	1113.7	1113.7
5°	1110.0	1109.3	1112.0	1112.0	1110.0	1110.7	1111.4	1112.4	1112.0	1111.4	1111.0
7.5°	1104.9	1104.6	1107.3	1107.3	1105.9	1106.6	1105.9	1106.3	1105.6	1104.9	1103.9
10°	1096.5	1097.2	1099.5	1100.2	1100.2	1100.5	1099.9	1098.2	1097.2	1096.1	1095.1
12.5°	1088.7	1088.4	1091.7	1093.4	1096.1	1099.2	1097.2	1092.4	1090.4	1088.4	1087.7
15°	1083.6	1084.0	1087.3	1090.4	1095.1	1101.5	1099.2	1091.7	1087.7	1085.3	1084.6
17.5°	1082.6	1083.3	1087.7	1093.1	1098.2	1105.3	1103.9	1096.5	1089.7	1085.3	1084.3
20°	1085.0	1085.3	1092.1	1099.9	1108.6	1115.4	1112.4	1104.3	1095.1	1088.4	1086.7
22.5°	1089.4	1090.7	1099.2	1111.4	1124.9	1134.0	1130.3	1116.4	1102.2	1093.8	1091.4
25°	1103.2	1103.6	1115.1	1131.6	1147.9	1158.3	1154.0	1134.3	1116.1	1106.6	1103.6
27.5°	1132.0	1133.0	1144.5	1163.8	1177.6	1184.4	1181.7	1165.8	1150.2	1140.1	1141.1
30°	1173.6	1174.9	1187.8	1209.1	1217.5	1219.2	1218.5	1211.1	1196.9	1183.4	1184.4
32.5°	1224.3	1225.0	1242.2	1261.5	1268.2	1269.6	1268.2	1261.5	1244.6	1226.3	1227.3
35°	1289.5	1291.6	1308.1	1326.7	1332.1	1334.8	1332.5	1323.7	1306.1	1288.2	1287.5
37.5°	1370.0	1370.3	1387.6	1406.9	1413.6	1414.3	1411.6	1405.8	1383.9	1367.6	1366.6
40°	1463.3	1464.7	1485.0	1505.6	1508.3	1505.2	1509.0	1505.6	1482.9	1464.3	1467.4
42.5°	1576.9	1580.0	1604.3	1624.6	1616.8	1615.1	1617.5	1618.5	1600.3	1577.6	1575.6
45°	1709.1	1711.8	1742.3	1758.5	1753.4	1742.3	1747.0	1755.1	1729.7	1701.7	1704.4
47.5°	1859.9	1866.7	1899.1	1914.3	1901.8	1886.6	1895.8	1907.9	1878.2	1843.3	1841.7
50°	2027.6	2036.1	2079.3	2100.6	2088.1	2060.1	2075.3	2083.4	2040.5	1995.5	1991.8
52.5°	2206.5	2214.9	2269.4	2313.3	2305.2	2261.6	2282.9	2274.4	2225.1	2164.5	2159.8
55°	2409.0	2412.4	2471.2	2542.2	2550.3	2518.2	2516.9	2503.0	2430.0	2360.0	2356.6
57.5°	2617.3	2619.6	2695.7	2779.6	2817.8	2817.8	2779.9	2750.5	2653.4	2572.3	2563.8
60°	2842.1	2850.6	2934.8	3048.7	3138.0	3164.3	3097.4	3017.2	2911.8	2812.7	2802.9
62.5°	3042.3	3052.1	3180.9	3350.6	3494.0	3590.0	3426.4	3295.8	3103.8	2944.9	2926.3
65°	3067.6	3094.0	3281.6	3589.0	3909.8	4101.6	3787.8	3466.3	3116.3	2895.5	2876.6
67.5°	2801.5	2846.2	3099.7	3578.2	4241.2	4652.7	4018.7	3368.9	2891.8	2647.7	2626.7
70°	2152.7	2217.6	2510.1	3129.8	4184.0	4830.2	3874.0	2949.3	2411.0	2148.3	2118.9
72.5°	1181.0	1207.7	1470.8	2143.2	3354.3	4104.6	3231.3	2180.8	1598.9	1301.0	1251.7
75°	374.6	384.1	518.0	877.0	1897.4	2718.7	2052.6	1070.4	589.3	434.5	429.4
77.5°	166.3	167.4	187.3	255.9	653.6	1377.4	785.1	291.4	200.8	175.5	181.2
80°	105.2	105.2	116.0	126.8	177.8	400.0	212.3	138.6	118.3	109.9	112.3
82.5°	50.4	55.8	75.4	81.1	97.7	134.6	108.9	90.6	79.1	58.8	54.8
85°	33.1	27.7	47.7	53.8	56.8	64.6	63.2	59.8	51.7	29.4	32.8
87.5°	14.9	14.2	24.7	22.7	21.3	16.2	24.3	30.1	29.1	14.5	14.5
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)