

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: P1208011

Luminaire Tested: UPW-SA1-040-727-U-5NQ

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208011  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-727-U-5NQ  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5265 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

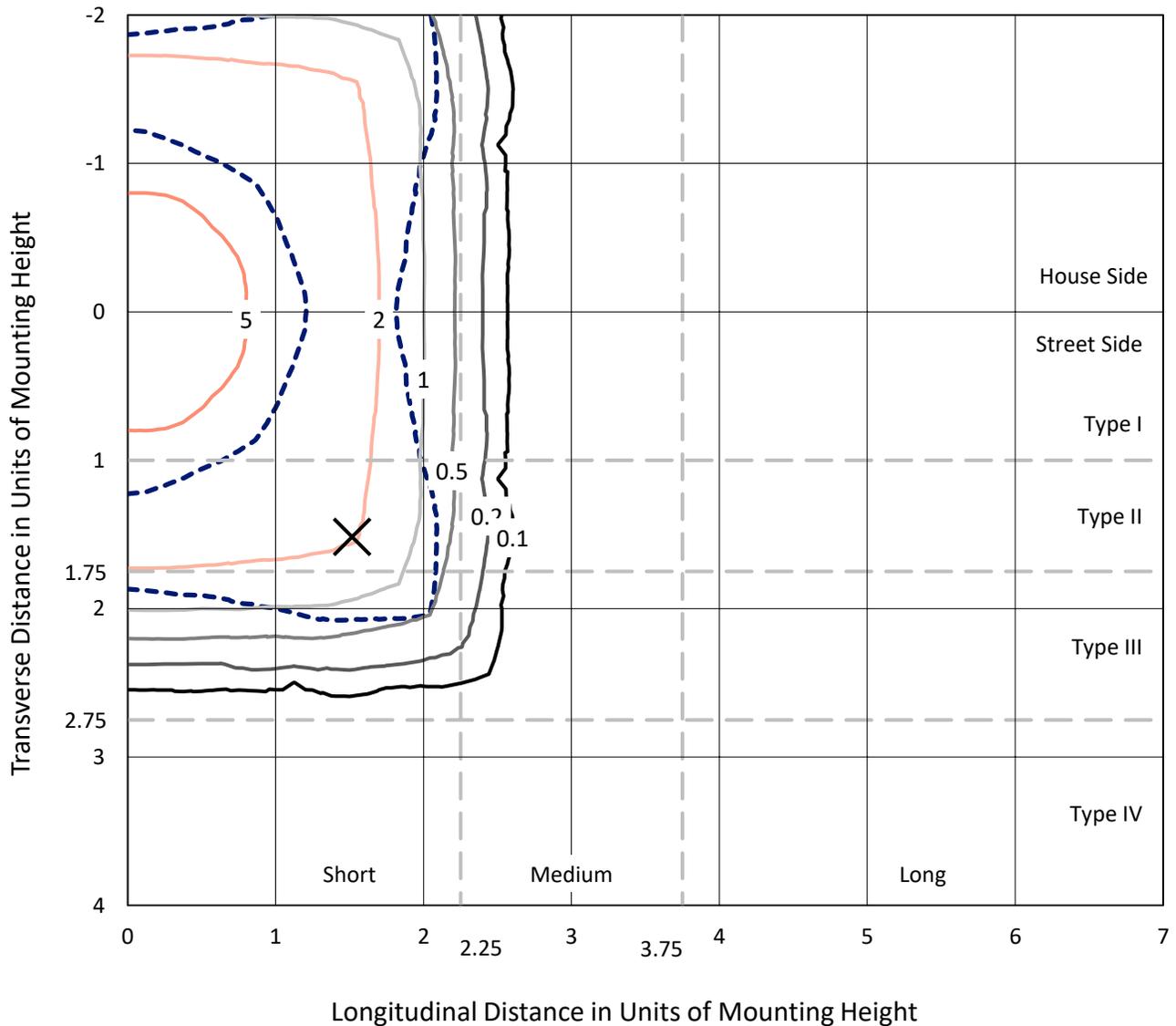
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

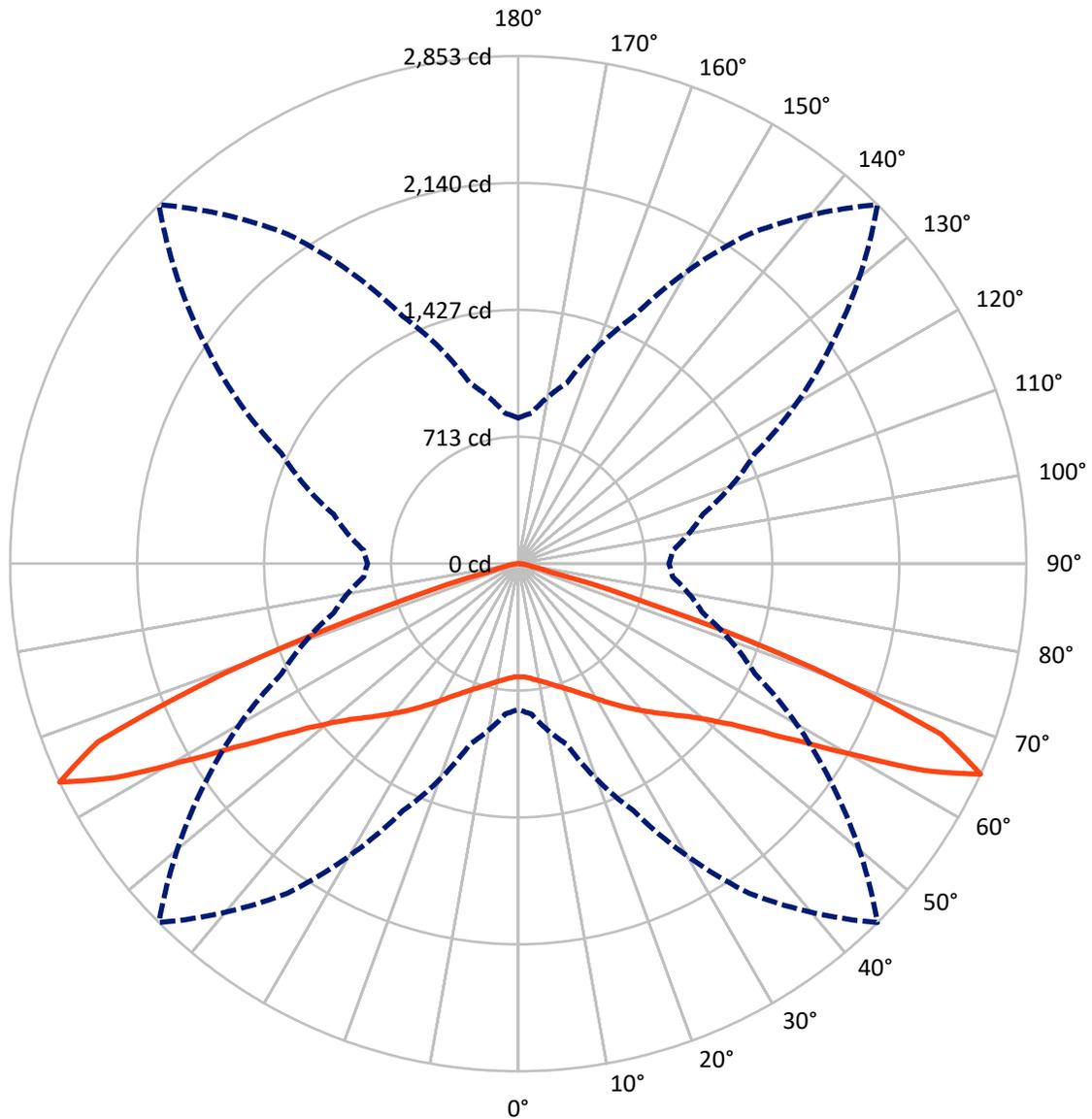
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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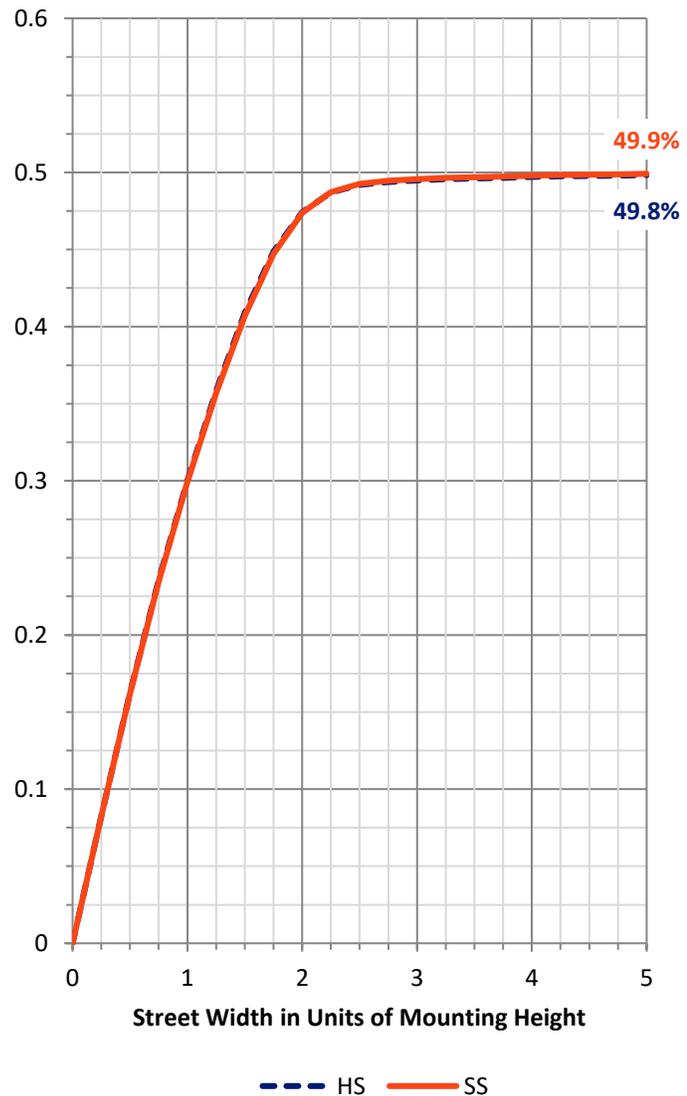
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2632.5	0.0	2632.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2632.5	0.0	2632.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5265.0	0.0	5265.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.4	1.2
10°-20°	200.5	3.8
20°-30°	376.2	7.1
30°-40°	622.2	11.8
40°-50°	963.6	18.3
50°-60°	1478.0	28.1
60°-70°	1379.1	26.2
70°-80°	160.5	3.0
80°-90°	22.6	0.4
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°	5265.0	100.0
0°-180°	5265.0	100.0

**Coefficient of Utilization**



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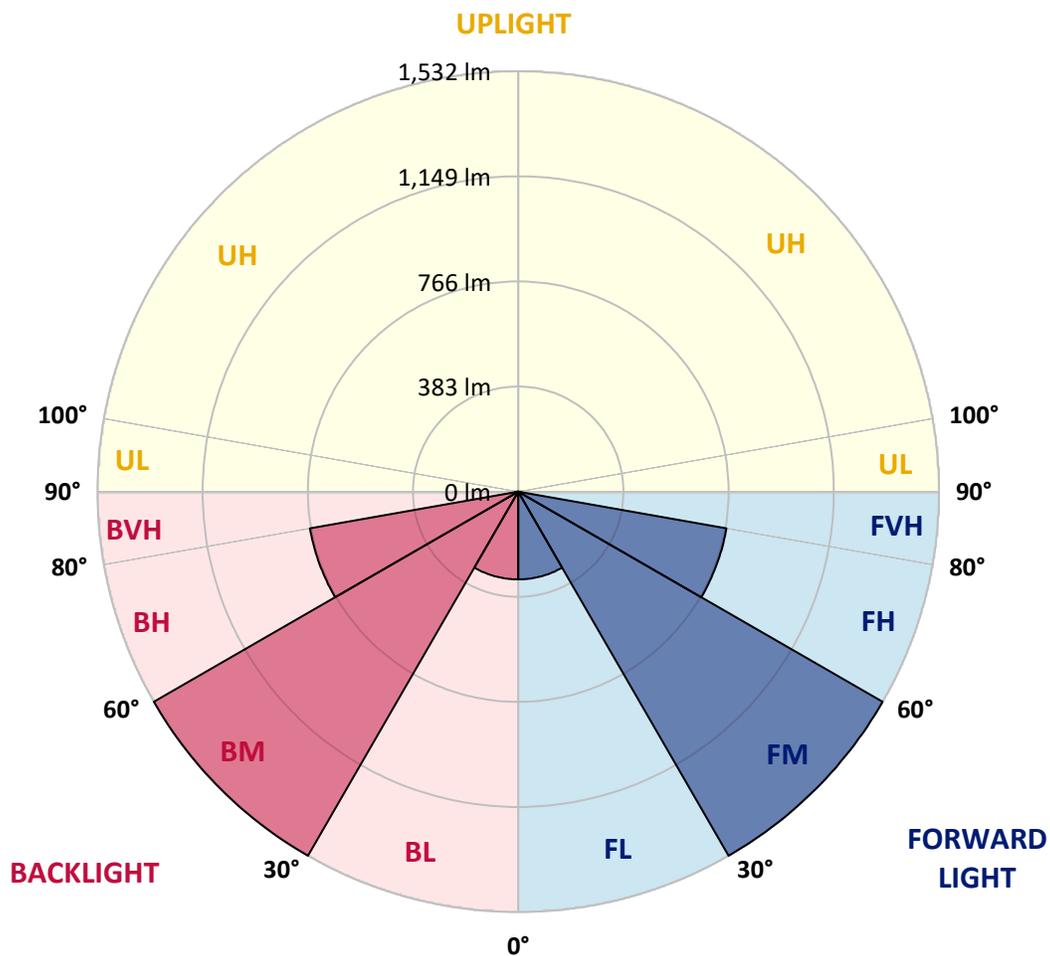
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.5	6.1			
FM	(30°-60°)	1531.9	29.1			
FH	(60°-80°)	769.8	14.6			G1/1800
FVH	(80°-90°)	11.3	0.2			G1/100
BL	(0°-30°)	319.5	6.1	B1/500		
BM	(30°-60°)	1531.9	29.1	B2/2500		
BH	(60°-80°)	769.8	14.6	B2/1000		G1/1800
BVH	(80°-90°)	11.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	637.9	637.6	637.9	638.1	637.0	637.6	637.4	638.3	638.6	638.3	638.3
5°	645.3	644.7	645.4	646.3	644.9	645.3	644.7	645.8	646.1	645.4	646.0
7.5°	655.4	655.6	656.3	657.8	657.0	657.7	656.6	656.8	656.6	655.6	655.7
10°	666.4	666.6	667.8	669.9	670.2	670.2	669.5	669.0	668.3	667.6	667.8
12.5°	679.7	680.6	681.4	684.1	684.1	685.5	685.1	683.7	682.5	681.4	681.4
15°	697.7	697.5	698.6	701.2	702.4	704.7	704.7	702.8	701.2	700.1	699.8
17.5°	716.6	717.1	717.8	720.9	722.9	725.5	725.8	724.2	723.2	721.8	720.9
20°	738.6	739.5	742.3	743.5	745.2	747.7	748.5	748.2	747.1	746.4	746.6
22.5°	764.3	766.5	768.3	770.0	772.1	773.9	774.8	776.0	774.9	774.4	774.1
25°	795.4	797.0	800.4	803.6	805.0	805.5	806.6	808.3	808.1	806.9	806.9
27.5°	830.7	833.7	838.0	842.6	842.6	840.8	844.3	847.3	846.2	844.7	842.6
30°	873.5	876.3	881.4	887.7	884.5	883.3	888.0	893.4	891.9	889.2	888.9
32.5°	919.6	922.3	928.9	935.7	931.7	930.0	935.0	942.9	940.1	934.8	931.7
35°	969.6	972.2	981.7	989.9	983.1	980.1	984.3	992.9	988.0	978.2	975.7
37.5°	1024.0	1025.4	1037.6	1046.0	1041.3	1033.4	1038.7	1045.0	1040.8	1028.9	1024.2
40°	1080.4	1085.5	1099.7	1109.4	1101.2	1088.8	1097.6	1106.3	1100.0	1084.8	1076.8
42.5°	1146.3	1150.2	1169.0	1177.8	1164.5	1147.0	1158.9	1170.8	1164.5	1149.8	1142.8
45°	1214.8	1220.8	1243.3	1252.1	1232.8	1210.6	1225.1	1245.9	1245.4	1224.3	1216.9
47.5°	1289.5	1295.4	1322.3	1333.8	1313.1	1283.3	1303.8	1333.2	1331.1	1307.8	1301.9
50°	1375.6	1381.9	1415.5	1430.0	1410.6	1376.0	1406.7	1432.6	1428.7	1400.1	1400.6
52.5°	1483.8	1483.5	1525.2	1550.4	1530.5	1499.9	1528.2	1553.4	1537.5	1497.8	1496.6
55°	1578.5	1584.3	1636.0	1683.7	1682.5	1670.8	1682.2	1683.2	1637.8	1585.0	1578.5
57.5°	1640.7	1651.8	1724.6	1811.0	1875.6	1891.2	1869.2	1802.4	1696.0	1611.6	1601.2
60°	1602.5	1619.2	1733.7	1909.7	2100.2	2191.6	2067.4	1860.3	1650.7	1533.1	1519.1
62.5°	1344.2	1372.5	1540.1	1862.0	2293.5	2560.7	2211.0	1767.5	1470.7	1308.7	1284.7
65°	818.6	848.5	1050.5	1532.6	2262.2	2853.0	2145.5	1467.0	1073.4	871.9	846.1
67.5°	272.8	281.6	400.6	847.1	1777.9	2563.4	1780.9	878.2	467.2	309.7	300.6
70°	106.8	107.7	127.1	245.6	839.6	1760.6	926.5	249.9	132.8	105.0	107.3
72.5°	78.5	78.8	84.2	102.6	218.8	775.6	226.7	103.1	82.0	73.6	73.6
75°	63.1	63.1	66.9	74.8	98.0	177.9	99.4	73.9	64.1	58.7	58.0
77.5°	49.8	50.9	53.8	58.9	66.4	85.6	68.9	58.5	51.7	46.7	45.6
80°	37.1	38.1	43.0	45.4	47.7	59.4	50.9	45.8	40.9	35.0	33.9
82.5°	24.3	25.3	31.5	32.9	32.3	38.8	34.3	33.7	30.1	22.5	21.5
85°	15.9	16.3	21.0	21.8	20.1	17.7	21.8	23.1	21.0	14.7	14.2
87.5°	7.5	7.5	10.7	10.0	9.1	7.3	10.0	11.7	11.9	7.2	7.0
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)