

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: P1208024

Luminaire Tested: UPW-SA1-040-727-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-727-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5127 lumens  
Efficiency: N/A  
Efficacy: 116.5 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): 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

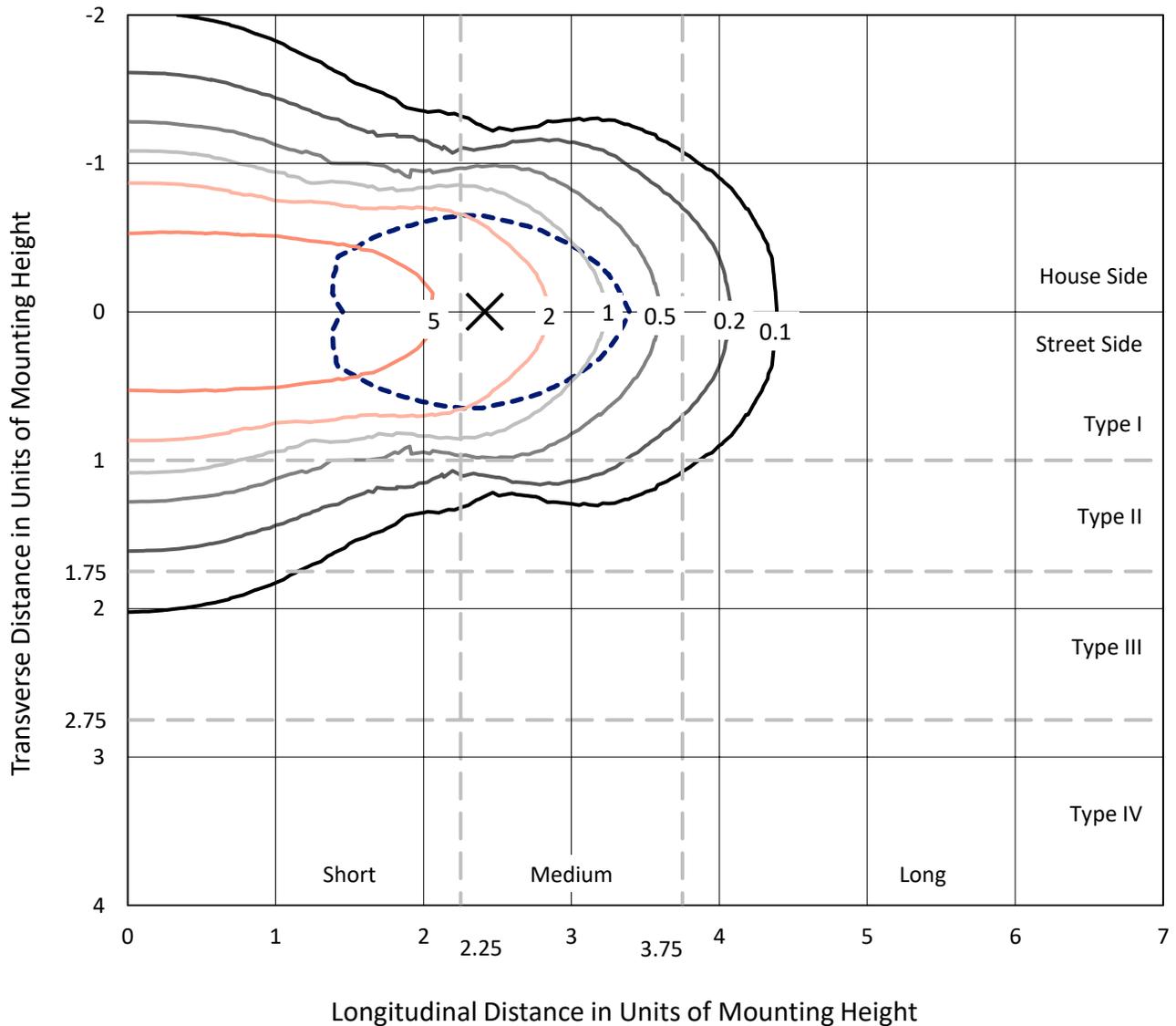


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

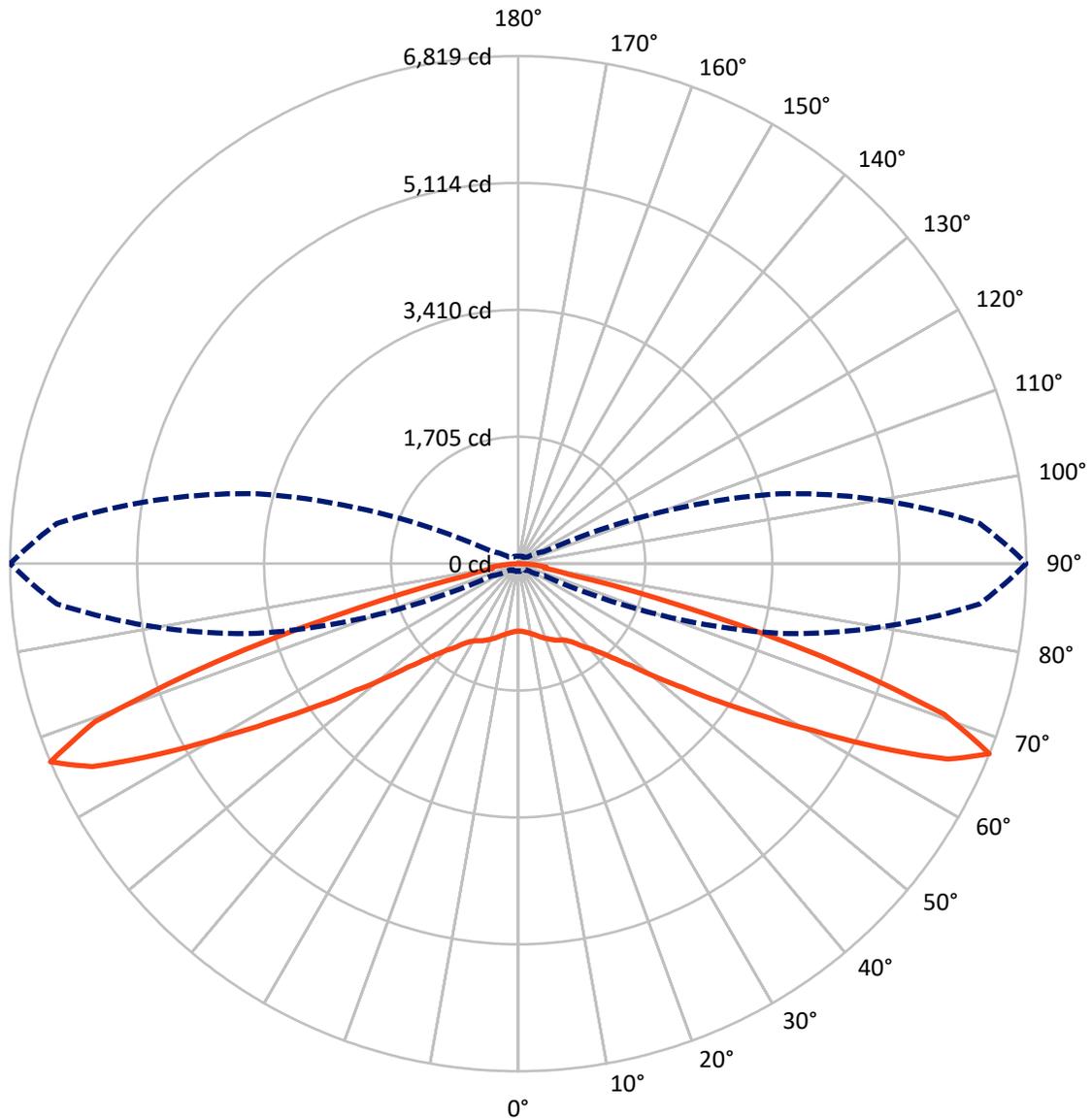


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type I - Short - N/A

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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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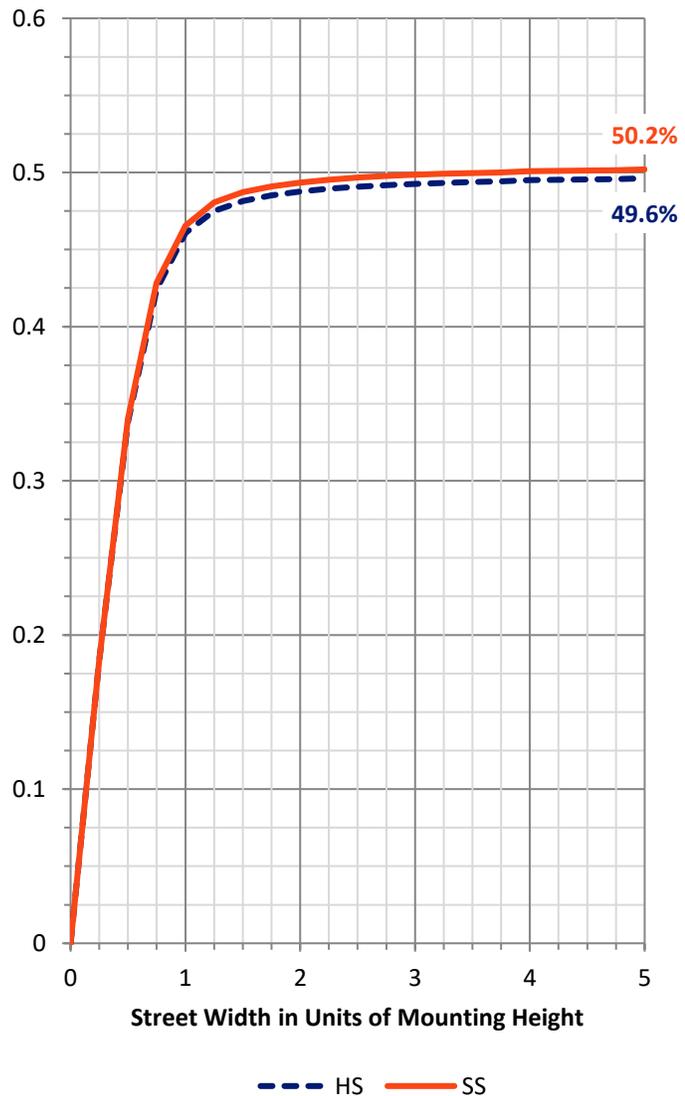
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2563.5	0.0	2563.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2563.5	0.0	2563.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5127.0	0.0	5127.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.5	1.8
10°-20°	289.5	5.6
20°-30°	484.6	9.5
30°-40°	656.5	12.8
40°-50°	831.5	16.2
50°-60°	1038.8	20.3
60°-70°	1221.1	23.8
70°-80°	467.1	9.1
80°-90°	47.3	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°	5127.0	100.0
0°-180°	5127.0	100.0



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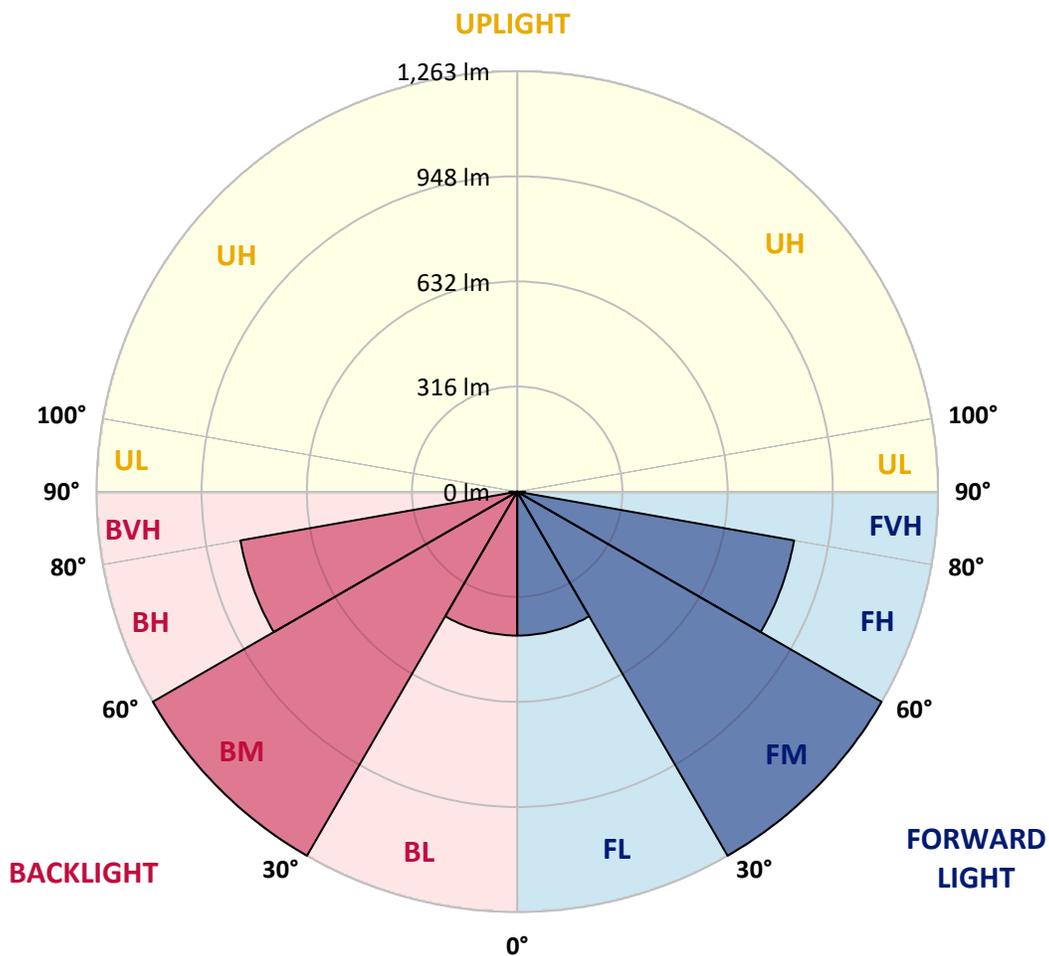
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	432.3	8.4			
FM	(30°-60°)	1263.4	24.6			
FH	(60°-80°)	844.1	16.5			G1/1800
FVH	(80°-90°)	23.7	0.5			G1/100
BL	(0°-30°)	432.3	8.4	B1/500		
BM	(30°-60°)	1263.4	24.6	B2/2500		
BH	(60°-80°)	844.1	16.5	B2/1000		G2/1000
BVH	(80°-90°)	23.7	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°	907.6	907.6	907.6	907.6	907.6	907.6	907.6	907.6	907.6	907.6	907.6
2.5°	919.3	918.7	919.0	918.7	919.6	919.0	915.6	912.7	910.5	910.8	909.9
5°	938.9	939.2	939.4	938.0	940.0	938.9	933.5	928.9	924.4	922.7	922.1
7.5°	955.1	956.5	957.3	958.7	962.1	962.1	959.3	952.8	942.8	937.2	936.9
10°	971.2	972.4	974.9	979.5	985.1	990.5	989.4	980.6	967.8	958.2	955.9
12.5°	976.9	978.3	986.8	999.9	1012.7	1023.2	1023.2	1016.1	999.6	984.9	980.6
15°	957.0	959.6	974.9	1002.7	1036.2	1059.2	1064.4	1054.4	1036.8	1014.1	1009.0
17.5°	917.6	923.8	946.2	987.4	1043.1	1090.8	1105.5	1100.7	1078.0	1049.0	1043.1
20°	875.3	882.1	905.9	960.4	1037.4	1109.2	1152.1	1153.2	1125.1	1083.1	1074.3
22.5°	828.7	833.8	864.5	928.4	1020.3	1113.5	1192.1	1211.7	1173.7	1117.2	1104.7
25°	776.5	782.2	814.2	883.2	988.3	1108.6	1228.7	1271.9	1224.5	1153.5	1137.6
27.5°	726.5	728.8	763.1	833.3	946.0	1096.2	1255.7	1327.2	1280.7	1183.6	1163.4
30°	678.5	683.9	714.3	783.6	897.4	1071.7	1279.0	1390.3	1341.2	1215.1	1189.3
32.5°	627.7	634.2	667.2	737.3	848.9	1035.1	1293.2	1459.3	1425.5	1266.2	1238.7
35°	578.9	583.1	616.4	684.5	801.5	992.5	1295.7	1537.1	1534.2	1343.7	1307.1
37.5°	528.9	535.2	568.7	634.0	751.2	947.4	1283.0	1619.7	1665.4	1451.3	1411.9
40°	480.9	486.3	519.3	585.1	694.1	892.3	1252.6	1695.2	1818.4	1562.0	1506.1
42.5°	428.7	430.1	466.2	533.2	638.2	828.4	1208.9	1762.5	1989.0	1710.5	1641.0
45°	369.4	373.0	406.5	472.4	574.1	756.9	1149.5	1818.1	2205.4	1916.3	1821.5
47.5°	310.0	313.1	343.8	408.8	503.9	674.8	1058.1	1866.9	2427.4	2177.8	2053.5
50°	252.1	253.8	278.8	336.4	425.0	588.5	944.8	1882.6	2678.3	2548.0	2389.3
52.5°	199.3	201.9	220.9	266.0	340.7	486.6	822.5	1844.0	2971.3	2986.9	2763.2
55°	161.5	162.4	176.6	209.8	266.3	379.9	674.8	1736.4	3286.5	3549.4	3264.0
57.5°	139.1	139.7	147.6	166.1	205.0	286.5	523.5	1532.8	3569.5	4208.3	3841.5
60°	126.3	126.6	131.2	142.0	162.4	219.7	375.0	1245.5	3848.9	4941.6	4559.2
62.5°	118.4	118.4	121.5	127.5	137.4	168.6	271.7	898.6	4040.2	5685.7	5443.8
65°	110.7	110.7	113.0	117.3	122.6	138.0	200.7	586.0	4035.4	6227.7	6333.6
67.5°	101.9	101.9	103.6	107.9	111.0	118.7	155.0	383.8	3624.9	6215.8	6819.1
70°	91.4	91.4	93.7	97.4	99.9	104.8	122.4	262.6	2663.0	5307.3	6064.5
72.5°	80.9	81.2	82.6	86.3	88.3	91.1	101.6	184.0	1633.6	3613.8	4240.4
75°	69.3	69.8	71.3	75.0	76.7	77.8	85.7	131.2	826.4	1948.4	2218.4
77.5°	55.9	57.1	57.9	61.9	63.0	64.7	70.7	94.8	362.8	700.1	706.4
80°	40.9	42.3	44.9	48.5	49.4	50.5	53.9	67.3	164.4	319.7	347.2
82.5°	30.1	32.1	29.0	33.8	33.8	32.4	38.0	45.1	75.5	316.6	378.7
85°	16.5	16.8	15.0	17.3	18.5	18.2	20.2	22.1	36.6	211.2	217.8
87.5°	4.0	4.3	4.5	5.4	6.5	6.5	7.1	6.2	11.9	68.4	39.2
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)