

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: P1208186

Luminaire Tested: UPW-SA1-040-827-U-T1

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208186  
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-SA1-040-827-U-T1  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 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: 4506 lumens  
Efficiency: N/A  
Efficacy: 102.4 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

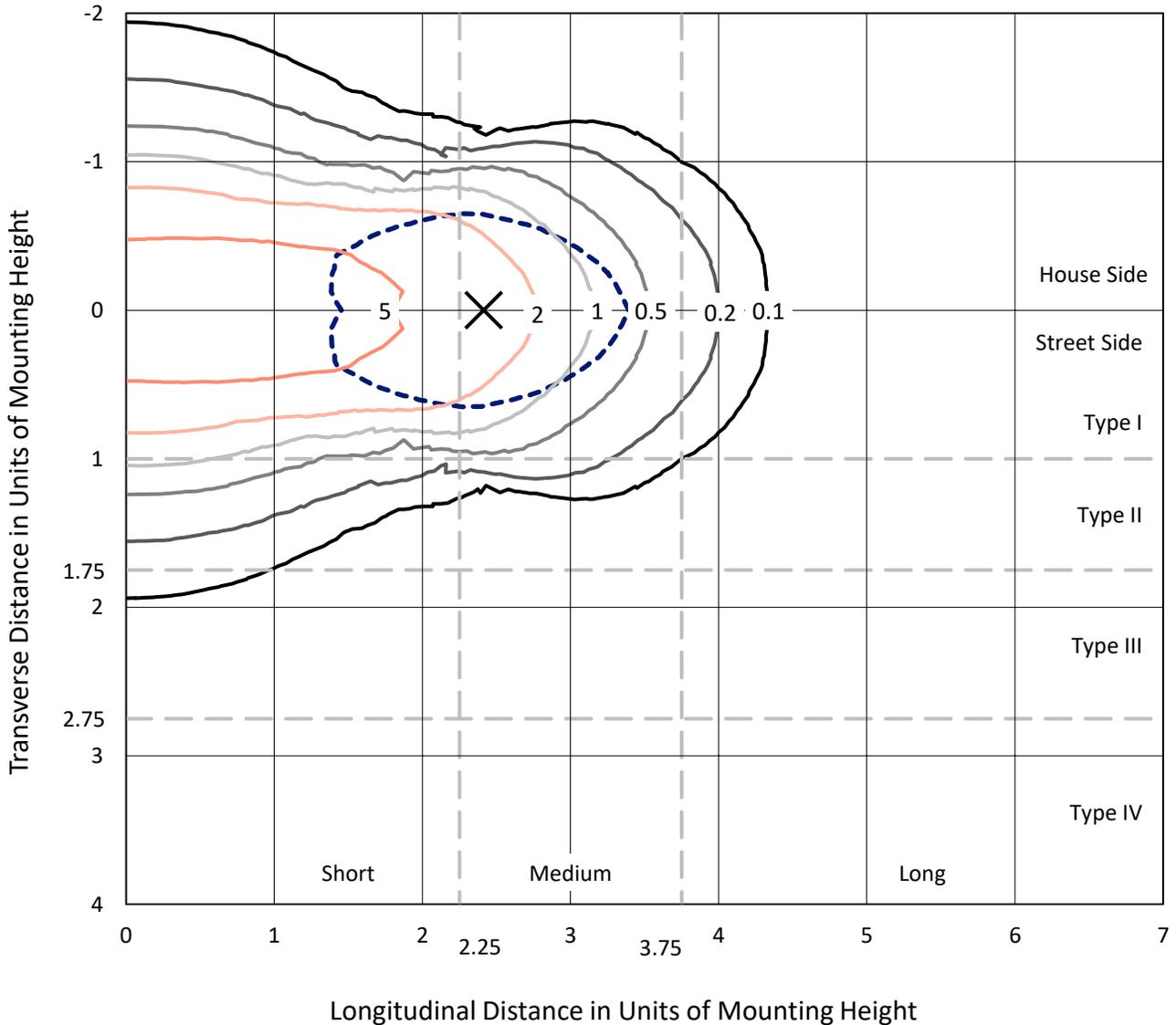
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1208186  
 CATALOG NUMBER: UPW-SA1-040-827-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

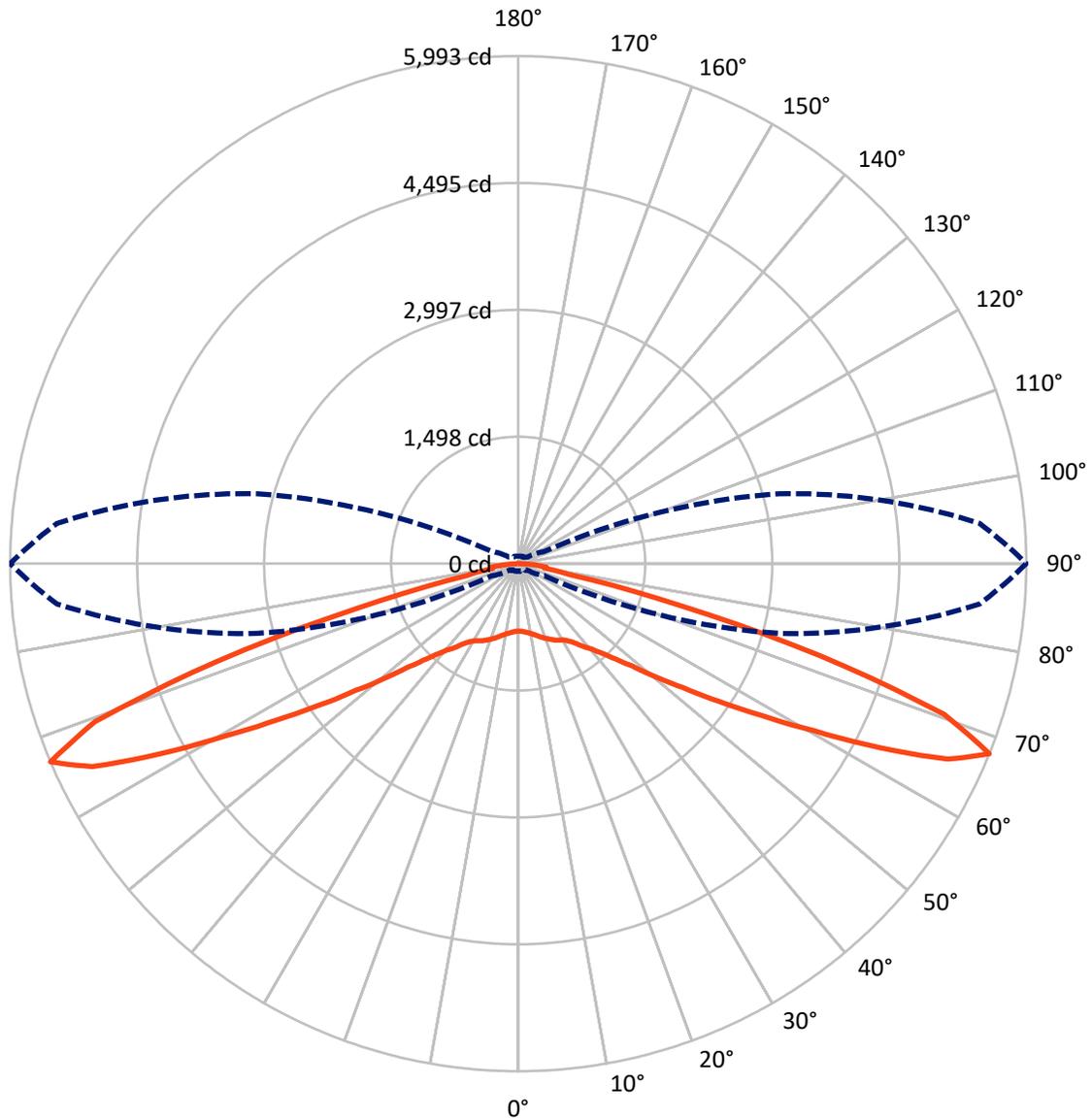


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type I - Short - N/A

REPORT NUMBER: P1208186

CATALOG NUMBER: UPW-SA1-040-827-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P1208186

CATALOG NUMBER: UPW-SA1-040-827-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2253.0	0.0	2253.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2253.0	0.0	2253.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4506.0	0.0	4506.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.5	1.8
10°-20°	254.5	5.6
20°-30°	425.9	9.5
30°-40°	577.0	12.8
40°-50°	730.8	16.2
50°-60°	913.0	20.3
60°-70°	1073.2	23.8
70°-80°	410.5	9.1
80°-90°	41.6	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°	4506.0	100.0
0°-180°	4506.0	100.0



REPORT NUMBER: P1208186

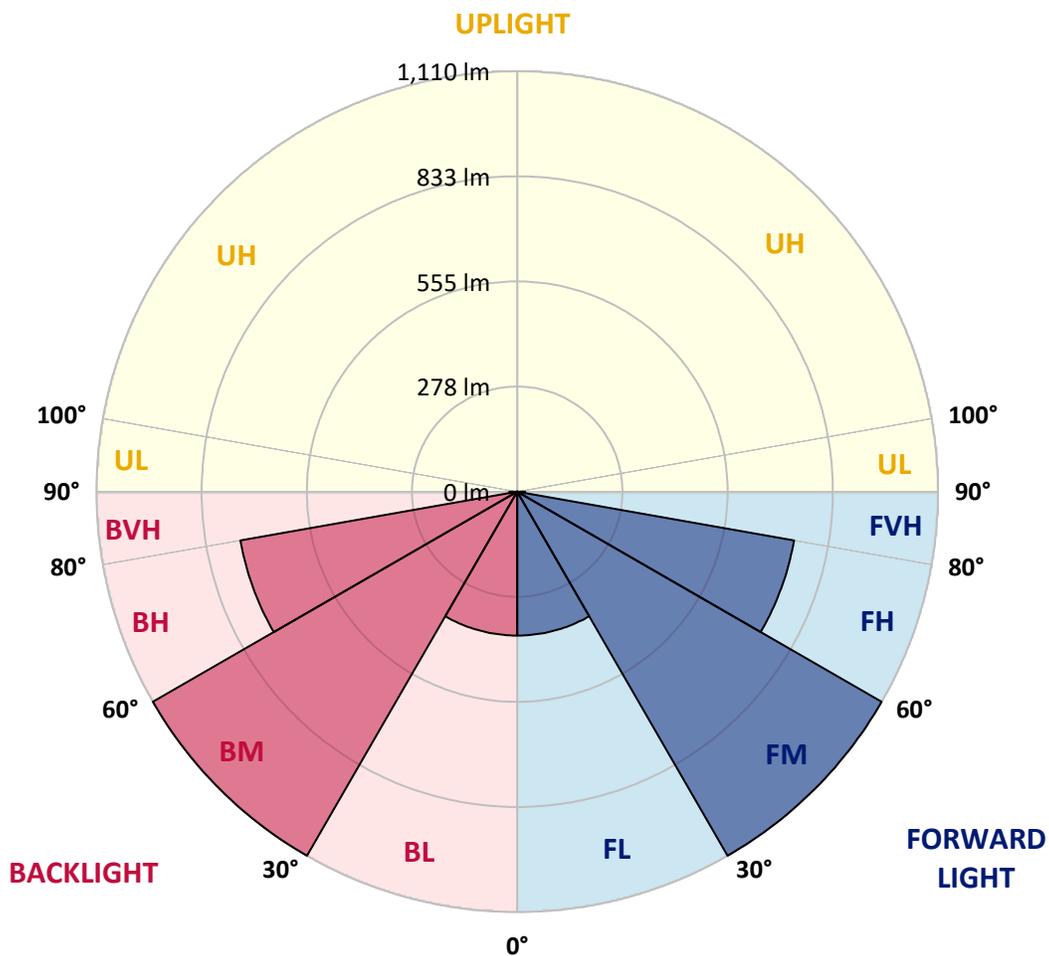
CATALOG NUMBER: UPW-SA1-040-827-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.9	8.4			
FM	(30°-60°)	1110.4	24.6			
FH	(60°-80°)	741.9	16.5			G1/1800
FVH	(80°-90°)	20.8	0.5			G1/100
BL	(0°-30°)	379.9	8.4	B1/500		
BM	(30°-60°)	1110.4	24.6	B2/2500		
BH	(60°-80°)	741.9	16.5	B2/1000		G2/1000
BVH	(80°-90°)	20.8	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





REPORT NUMBER: P1208186

CATALOG NUMBER: UPW-SA1-040-827-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7
2.5°	807.9	807.4	807.7	807.4	808.2	807.7	804.7	802.2	800.2	800.4	799.7
5°	825.1	825.4	825.6	824.4	826.1	825.1	820.4	816.4	812.4	810.9	810.4
7.5°	839.4	840.6	841.4	842.6	845.6	845.6	843.1	837.4	828.6	823.7	823.4
10°	853.6	854.6	856.8	860.8	865.8	870.6	869.6	861.8	850.6	842.1	840.1
12.5°	858.6	859.8	867.3	878.8	890.0	899.3	899.3	893.0	878.5	865.6	861.8
15°	841.1	843.4	856.8	881.3	910.7	930.9	935.4	926.7	911.2	891.3	886.8
17.5°	806.4	811.9	831.6	867.8	916.7	958.6	971.6	967.4	947.4	922.0	916.7
20°	769.3	775.2	796.2	844.1	911.7	974.9	1012.5	1013.5	988.8	951.9	944.2
22.5°	728.3	732.8	759.8	815.9	896.8	978.6	1047.7	1064.9	1031.5	981.8	970.9
25°	682.4	687.4	715.6	776.2	868.6	974.4	1079.9	1117.8	1076.2	1013.8	999.8
27.5°	638.5	640.5	670.7	732.3	831.4	963.4	1103.6	1166.5	1125.6	1040.2	1022.5
30°	596.3	601.1	627.8	688.7	788.7	941.9	1124.1	1221.9	1178.7	1067.9	1045.2
32.5°	551.7	557.4	586.4	648.0	746.1	909.7	1136.5	1282.5	1252.8	1112.8	1088.6
35°	508.8	512.5	541.7	601.6	704.4	872.3	1138.8	1350.9	1348.4	1181.0	1148.8
37.5°	464.8	470.3	499.8	557.2	660.2	832.6	1127.6	1423.5	1463.7	1275.5	1240.8
40°	422.7	427.4	456.4	514.3	610.1	784.2	1100.9	1489.9	1598.1	1372.8	1323.7
42.5°	376.8	378.0	409.7	468.6	560.9	728.1	1062.4	1549.0	1748.1	1503.3	1442.2
45°	324.6	327.9	357.3	415.2	504.5	665.2	1010.3	1597.9	1938.2	1684.2	1600.9
47.5°	272.5	275.2	302.2	359.3	442.9	593.1	929.9	1640.8	2133.4	1914.0	1804.7
50°	221.6	223.1	245.0	295.7	373.5	517.2	830.4	1654.5	2353.9	2239.4	2099.9
52.5°	175.2	177.4	194.1	233.8	299.4	427.7	722.8	1620.6	2611.4	2625.2	2428.5
55°	142.0	142.7	155.2	184.4	234.0	333.9	593.1	1526.0	2888.4	3119.4	2868.7
57.5°	122.3	122.8	129.7	146.0	180.2	251.8	460.1	1347.1	3137.2	3698.6	3376.2
60°	111.0	111.3	115.3	124.8	142.7	193.1	329.6	1094.6	3382.7	4343.1	4007.0
62.5°	104.0	104.0	106.8	112.0	120.8	148.2	238.8	789.7	3550.9	4997.1	4784.5
65°	97.3	97.3	99.3	103.1	107.8	121.3	176.4	515.0	3546.6	5473.4	5566.4
67.5°	89.6	89.6	91.1	94.8	97.6	104.3	136.2	337.3	3185.8	5462.9	5993.1
70°	80.3	80.3	82.3	85.6	87.8	92.1	107.5	230.8	2340.5	4664.5	5329.9
72.5°	71.1	71.4	72.6	75.9	77.6	80.1	89.3	161.7	1435.7	3176.1	3726.8
75°	60.9	61.4	62.6	65.9	67.4	68.4	75.4	115.3	726.3	1712.4	1949.7
77.5°	49.2	50.2	50.9	54.4	55.4	56.9	62.1	83.3	318.9	615.3	620.8
80°	35.9	37.2	39.4	42.7	43.4	44.4	47.4	59.1	144.5	281.0	305.2
82.5°	26.4	28.2	25.5	29.7	29.7	28.4	33.4	39.7	66.4	278.2	332.9
85°	14.5	14.7	13.2	15.2	16.2	16.0	17.7	19.5	32.2	185.6	191.4
87.5°	3.5	3.7	4.0	4.7	5.7	5.7	6.2	5.5	10.5	60.1	34.4
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)