

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: P1207930

Luminaire Tested: UPW-SA1-030-827-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3774 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 34
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

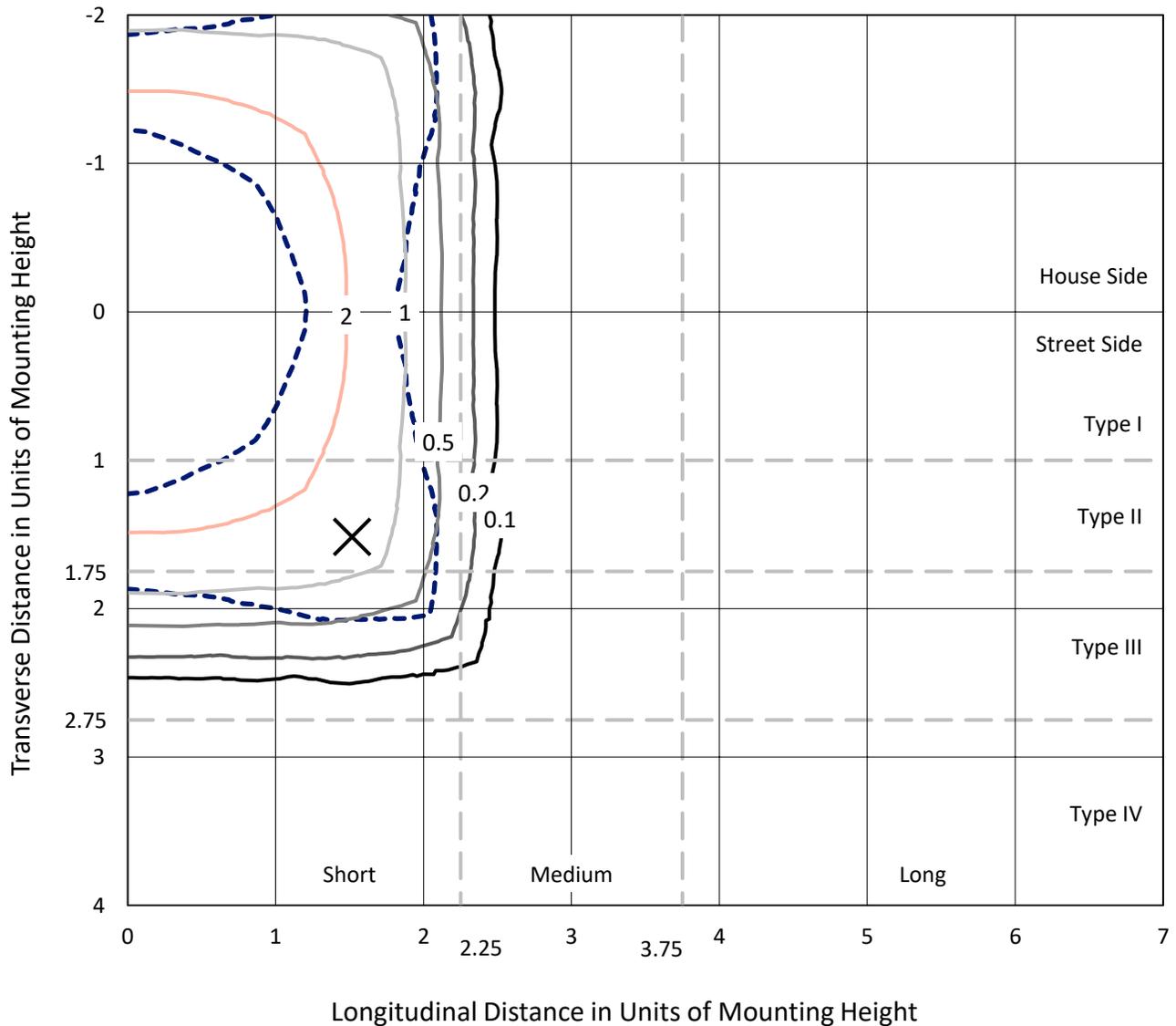


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Iso-Footcandle Lines of Horizontal Illumination

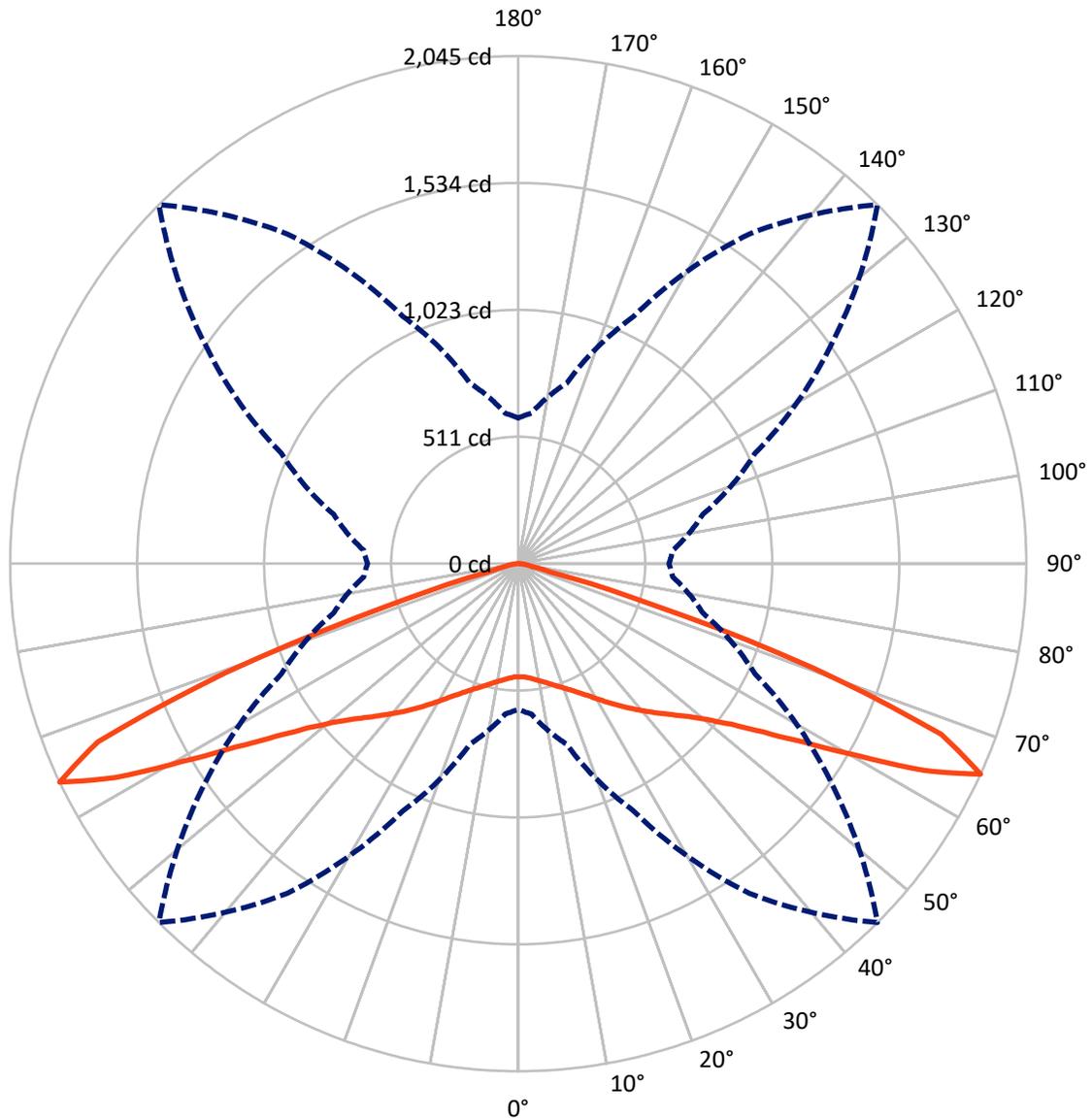
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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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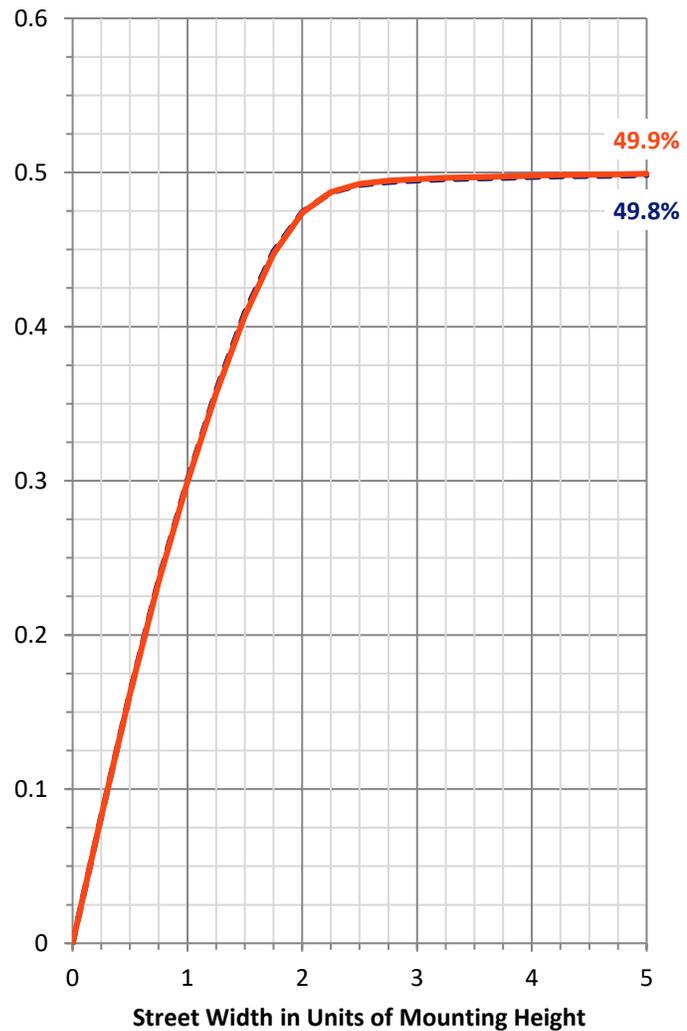
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1887.0	0.0	1887.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1887.0	0.0	1887.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3774.0	0.0	3774.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	1.2
10°-20°	143.7	3.8
20°-30°	269.7	7.1
30°-40°	446.0	11.8
40°-50°	690.7	18.3
50°-60°	1059.4	28.1
60°-70°	988.5	26.2
70°-80°	115.1	3.0
80°-90°	16.2	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°	3774.0	100.0
0°-180°	3774.0	100.0



--- HS — SS

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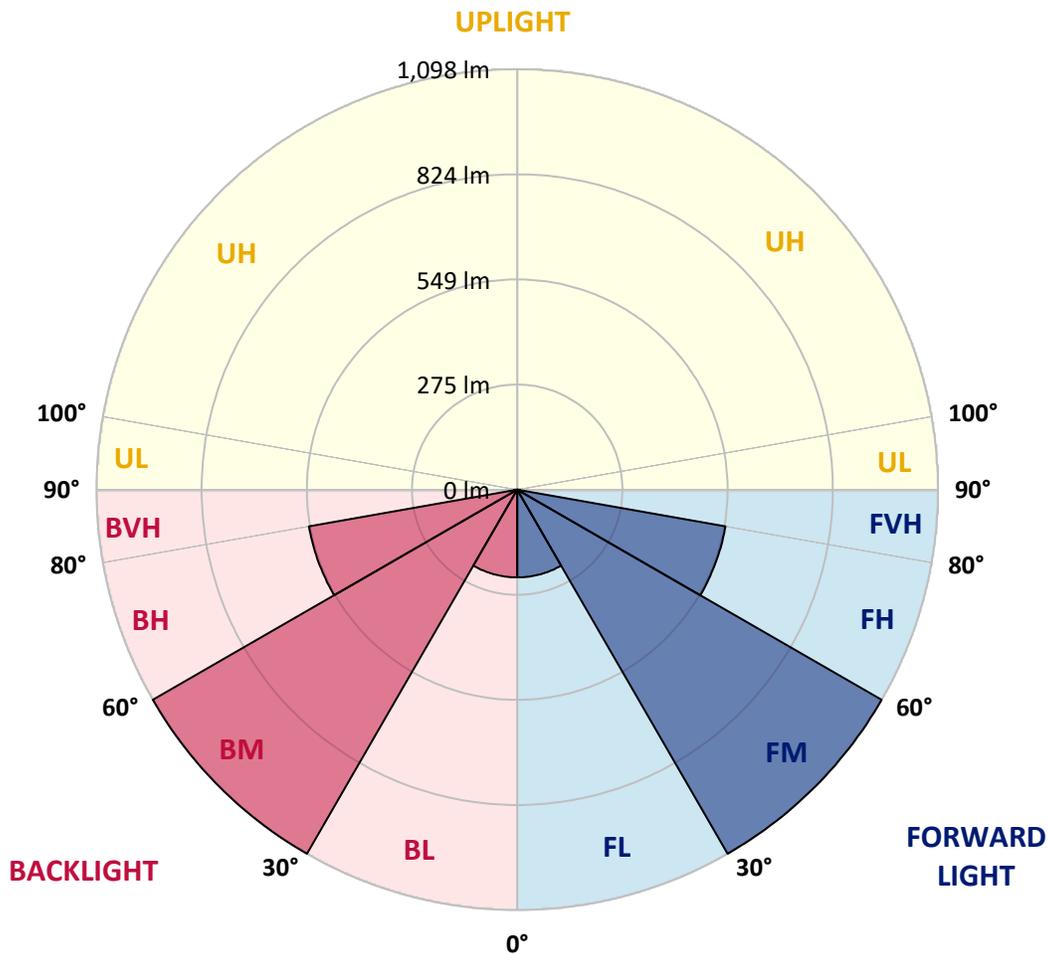
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.1	6.1			
FM (30°-60°)	1098.1	29.1			
FH (60°-80°)	551.8	14.6			G0/660
FVH (80°-90°)	8.1	0.2			G0/10
BL (0°-30°)	229.1	6.1	B1/500		
BM (30°-60°)	1098.1	29.1	B2/2500		
BH (60°-80°)	551.8	14.6	B2/1000		G0/660
BVH (80°-90°)	8.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8	455.8
2.5°	457.3	457.0	457.3	457.4	456.6	457.0	456.9	457.5	457.8	457.5	457.5
5°	462.5	462.1	462.6	463.3	462.3	462.5	462.1	462.9	463.1	462.6	463.0
7.5°	469.8	469.9	470.4	471.5	470.9	471.4	470.7	470.8	470.7	469.9	470.0
10°	477.7	477.8	478.7	480.2	480.4	480.4	479.9	479.6	479.1	478.6	478.7
12.5°	487.2	487.8	488.5	490.3	490.3	491.3	491.1	490.1	489.2	488.5	488.5
15°	500.1	500.0	500.7	502.6	503.5	505.1	505.1	503.7	502.6	501.9	501.6
17.5°	513.6	514.0	514.5	516.8	518.1	520.0	520.3	519.1	518.4	517.4	516.8
20°	529.4	530.0	532.1	532.9	534.2	535.9	536.6	536.3	535.6	535.1	535.2
22.5°	547.8	549.5	550.7	552.0	553.5	554.7	555.4	556.2	555.5	555.1	554.9
25°	570.1	571.3	573.8	576.0	577.0	577.4	578.2	579.4	579.3	578.4	578.4
27.5°	595.4	597.6	600.7	604.0	604.0	602.7	605.2	607.3	606.6	605.5	604.0
30°	626.1	628.1	631.8	636.3	634.0	633.2	636.5	640.4	639.3	637.4	637.2
32.5°	659.2	661.1	665.8	670.7	667.9	666.6	670.2	675.9	673.9	670.1	667.9
35°	695.0	696.9	703.7	709.6	704.7	702.6	705.6	711.7	708.2	701.2	699.4
37.5°	734.0	735.0	743.8	749.8	746.4	740.8	744.5	749.0	746.0	737.5	734.1
40°	774.5	778.1	788.2	795.3	789.4	780.5	786.7	793.0	788.5	777.6	771.8
42.5°	821.7	824.4	838.0	844.2	834.7	822.2	830.7	839.2	834.7	824.2	819.2
45°	870.8	875.1	891.2	897.5	883.7	867.8	878.2	893.1	892.7	877.6	872.3
47.5°	924.3	928.6	947.8	956.1	941.2	919.9	934.6	955.6	954.1	937.4	933.2
50°	986.1	990.6	1014.6	1025.0	1011.1	986.3	1008.4	1026.9	1024.1	1003.6	1004.0
52.5°	1063.6	1063.4	1093.3	1111.3	1097.1	1075.1	1095.4	1113.5	1102.1	1073.6	1072.7
55°	1131.5	1135.6	1172.7	1206.9	1206.0	1197.6	1205.8	1206.5	1174.0	1136.1	1131.5
57.5°	1176.1	1184.0	1236.2	1298.1	1344.5	1355.6	1339.8	1292.0	1215.7	1155.2	1147.8
60°	1148.7	1160.7	1242.7	1368.9	1505.5	1571.0	1481.9	1333.5	1183.2	1098.9	1088.9
62.5°	963.5	983.8	1103.9	1334.7	1644.0	1835.6	1584.9	1266.9	1054.2	938.1	920.9
65°	586.8	608.2	753.0	1098.6	1621.6	2045.0	1537.9	1051.6	769.5	625.0	606.5
67.5°	195.6	201.8	287.1	607.2	1274.4	1837.4	1276.6	629.5	334.9	222.0	215.5
70°	76.5	77.2	91.1	176.0	601.8	1262.0	664.1	179.1	95.2	75.3	76.9
72.5°	56.2	56.5	60.4	73.5	156.8	556.0	162.5	73.9	58.8	52.7	52.7
75°	45.2	45.2	48.0	53.6	70.3	127.5	71.3	53.0	46.0	42.1	41.6
77.5°	35.7	36.5	38.6	42.2	47.6	61.4	49.4	42.0	37.1	33.4	32.7
80°	26.6	27.3	30.8	32.6	34.2	42.6	36.5	32.8	29.3	25.1	24.3
82.5°	17.4	18.2	22.5	23.6	23.2	27.8	24.6	24.2	21.5	16.2	15.4
85°	11.4	11.7	15.0	15.7	14.4	12.7	15.7	16.5	15.0	10.5	10.1
87.5°	5.4	5.4	7.6	7.1	6.5	5.3	7.1	8.4	8.5	5.1	5.0
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)