

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: P1208013

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

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-RW
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5217 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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

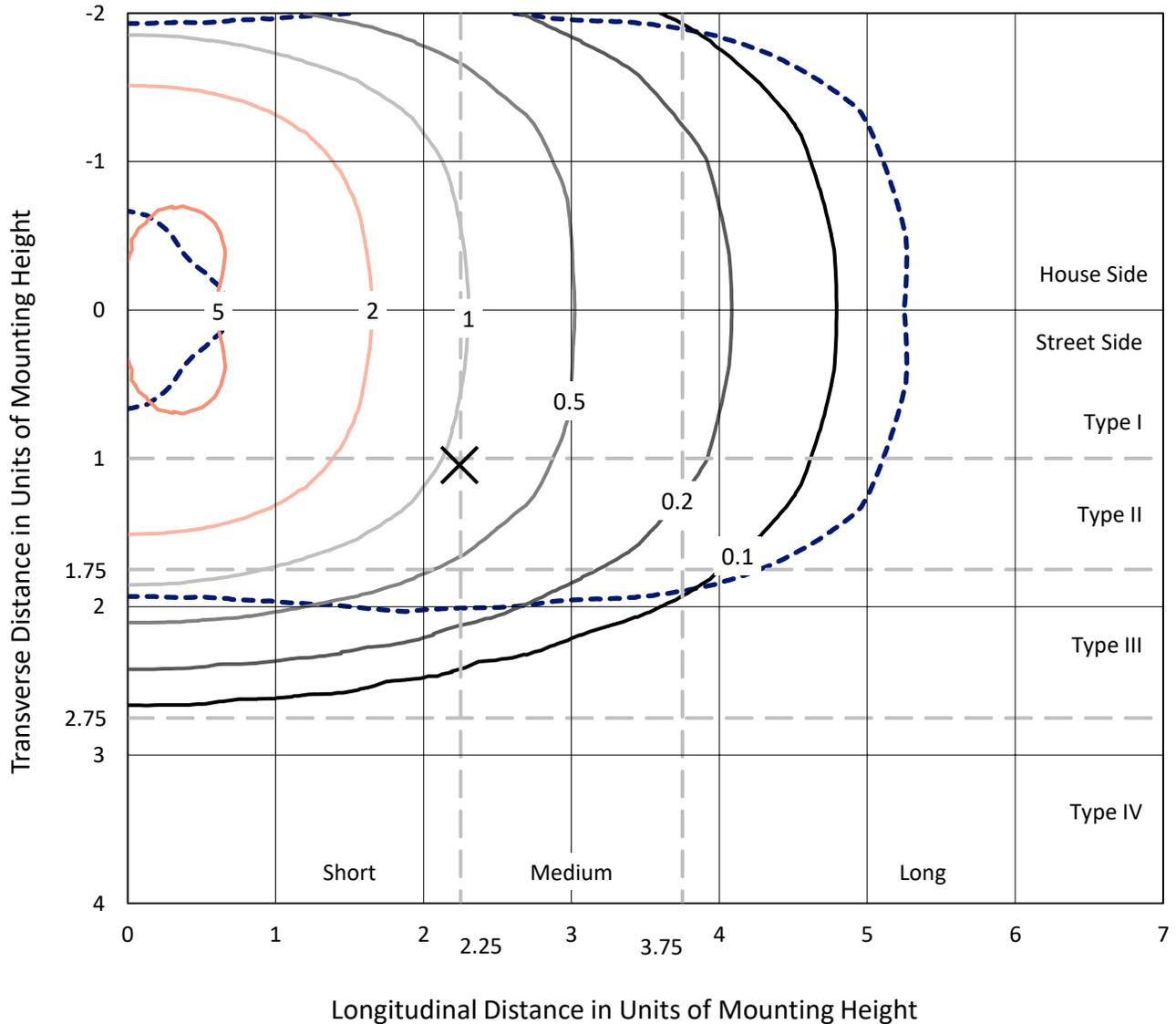


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Iso-Footcandle Lines of Horizontal Illumination

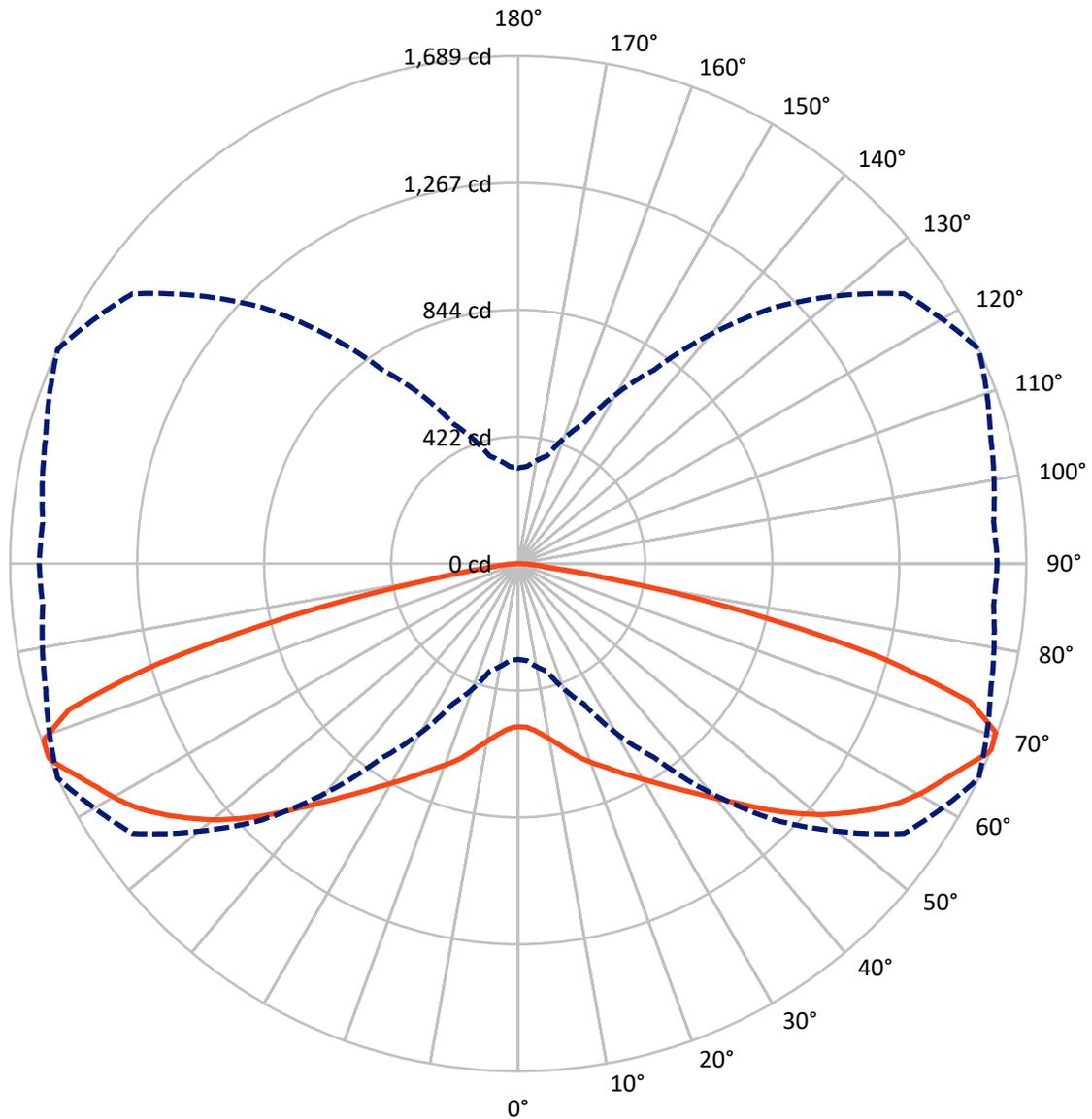
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2608.5	0.0	2608.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2608.5	0.0	2608.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5217.0	0.0	5217.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	1.0
10°-20°	177.8	3.4
20°-30°	346.7	6.6
30°-40°	582.5	11.2
40°-50°	917.8	17.6
50°-60°	1227.4	23.5
60°-70°	1193.2	22.9
70°-80°	652.2	12.5
80°-90°	66.3	1.3
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°	5217.0	100.0
0°-180°	5217.0	100.0



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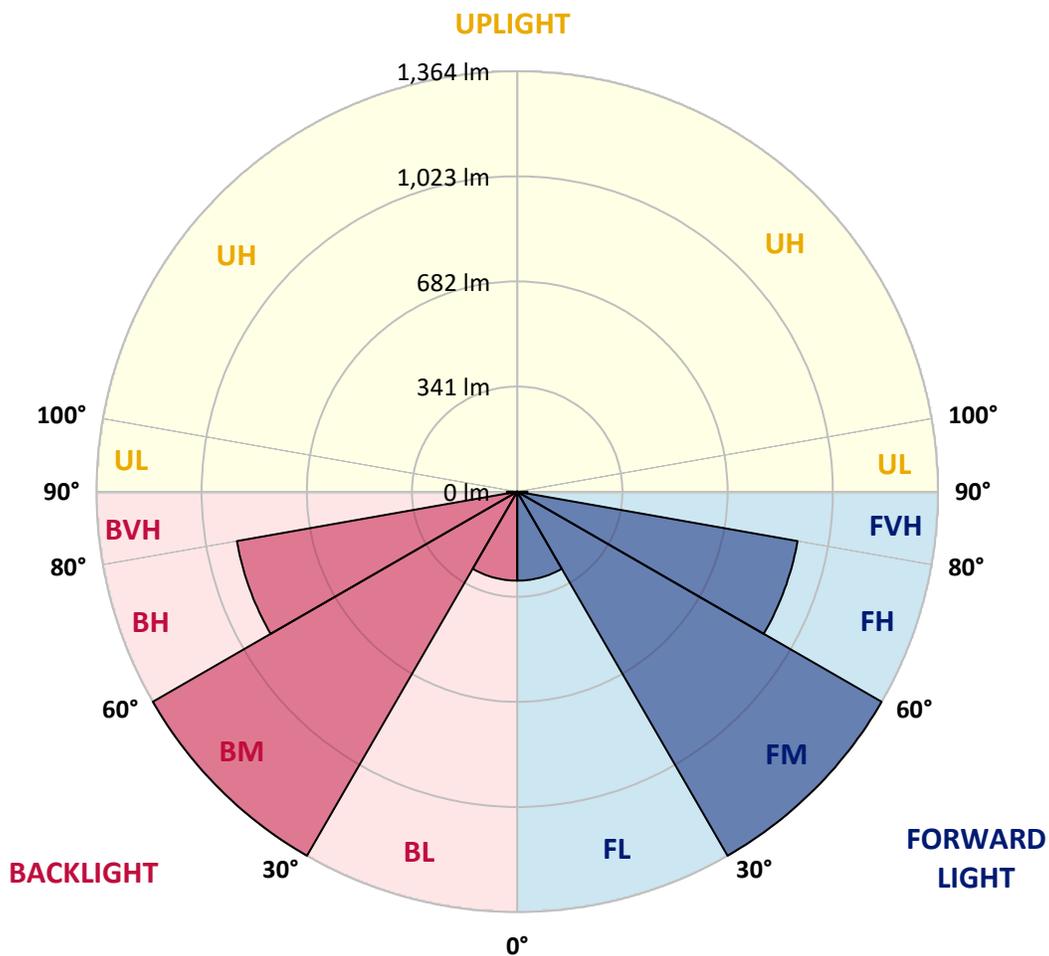
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.8	5.5			
FM	(30°-60°)	1363.8	26.1			
FH	(60°-80°)	922.7	17.7			G1/1800
FVH	(80°-90°)	33.2	0.6			G1/100
BL	(0°-30°)	288.8	5.5	B1/500		
BM	(30°-60°)	1363.8	26.1	B2/2500		
BH	(60°-80°)	922.7	17.7	B2/1000		G2/1000
BVH	(80°-90°)	33.2	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4
2.5°	538.6	538.8	539.6	540.7	541.6	543.8	544.4	545.2	545.6	546.5	546.5
5°	533.9	534.2	536.3	539.1	542.3	547.9	551.9	556.4	558.7	561.2	561.0
7.5°	533.3	534.2	537.2	541.7	547.0	556.3	564.7	573.8	579.9	585.5	585.1
10°	538.8	540.2	544.4	551.2	559.1	570.6	583.0	595.3	605.9	614.5	614.9
12.5°	547.0	548.7	555.4	565.7	577.6	592.5	607.2	621.0	635.7	648.5	649.5
15°	557.8	560.1	570.1	585.5	603.7	621.3	637.1	651.2	668.2	685.9	687.6
17.5°	573.9	577.1	590.2	611.0	635.0	654.4	670.8	681.5	695.7	713.9	717.2
20°	598.4	602.4	619.1	643.9	673.1	693.4	706.0	708.3	715.3	731.5	735.4
22.5°	630.3	633.8	652.3	681.9	714.6	736.6	743.3	734.2	733.5	746.6	750.3
25°	665.8	668.9	690.4	723.7	758.8	783.1	783.0	765.3	753.1	763.2	767.1
27.5°	705.7	710.5	731.2	766.2	803.8	827.7	826.3	799.1	775.8	778.4	781.7
30°	751.5	756.9	777.0	812.5	850.1	873.6	871.8	835.8	800.8	793.8	796.3
32.5°	808.3	814.8	833.9	868.9	902.1	923.3	918.2	875.7	830.9	815.7	818.0
35°	876.7	880.6	900.7	935.2	962.1	976.6	965.9	921.9	869.0	850.7	850.7
37.5°	946.0	949.0	971.5	1004.9	1031.0	1038.7	1017.9	972.4	918.9	892.8	893.3
40°	1012.5	1020.5	1045.9	1080.2	1105.9	1108.0	1080.3	1030.1	974.3	947.4	950.5
42.5°	1081.9	1089.8	1120.1	1158.9	1181.6	1185.1	1152.8	1094.9	1037.0	1015.1	1018.6
45°	1143.8	1150.1	1185.1	1230.3	1258.6	1267.7	1229.4	1169.0	1104.7	1083.3	1084.2
47.5°	1187.0	1195.3	1233.8	1286.9	1328.2	1342.2	1304.6	1241.3	1171.3	1145.4	1147.7
50°	1226.2	1230.6	1269.6	1327.7	1380.2	1409.0	1376.8	1312.6	1238.7	1211.2	1213.6
52.5°	1248.1	1253.7	1291.5	1352.0	1414.1	1460.6	1441.0	1376.8	1303.7	1277.0	1279.9
55°	1232.9	1237.1	1282.4	1357.4	1435.1	1492.5	1495.4	1439.6	1367.6	1344.1	1352.5
57.5°	1163.6	1168.9	1224.1	1322.4	1437.7	1514.0	1536.4	1497.9	1427.2	1408.2	1413.1
60°	1055.3	1058.7	1117.6	1228.2	1386.6	1522.9	1562.4	1545.5	1485.6	1466.6	1473.2
62.5°	862.4	867.3	937.8	1085.9	1278.7	1496.5	1587.6	1584.8	1540.0	1522.6	1528.5
65°	589.5	598.1	676.1	863.4	1112.4	1415.7	1610.5	1630.7	1588.2	1566.1	1574.0
67.5°	356.0	362.3	418.8	570.1	851.2	1252.6	1586.9	1682.8	1622.1	1586.6	1593.1
68°	318.2	324.0	371.2	514.5	787.3	1206.6	1565.4	1688.7	1625.8	1586.2	1592.0
70°	192.2	196.1	227.8	318.0	525.0	957.2	1418.6	1683.8	1649.2	1591.1	1594.4
72.5°	125.2	126.5	131.7	163.2	268.2	535.3	1064.8	1569.1	1684.4	1619.6	1619.1
75°	104.1	103.4	103.9	107.6	132.2	234.8	622.2	1239.5	1605.6	1574.7	1563.7
77.5°	88.0	87.5	87.3	87.5	88.5	113.4	270.1	772.1	1228.7	1392.9	1402.7
80°	71.2	70.5	72.8	71.7	68.6	70.5	113.2	321.2	579.2	623.1	583.9
82.5°	51.8	49.2	59.0	56.2	53.5	49.7	62.4	103.7	138.2	94.8	66.6
85°	39.9	37.1	44.8	43.0	36.7	25.4	37.1	50.7	56.0	32.0	25.2
87.5°	16.3	17.1	32.4	25.5	21.5	12.2	15.2	20.3	27.3	13.6	10.5
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)