

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: P1208105

Luminaire Tested: UPW-SA1-040-740-U-T1

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208105
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-SA1-040-740-U-T1
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6130 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

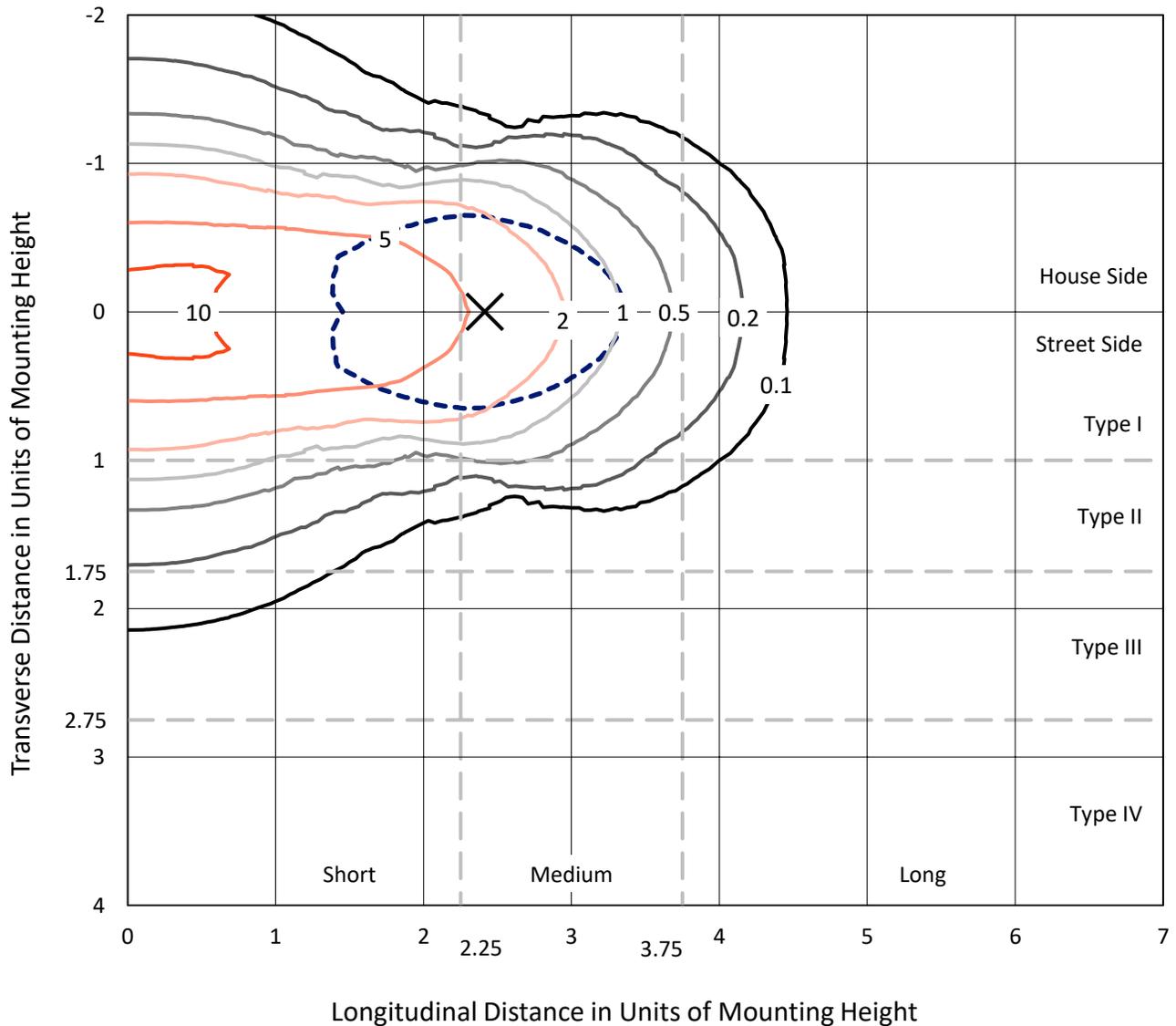
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

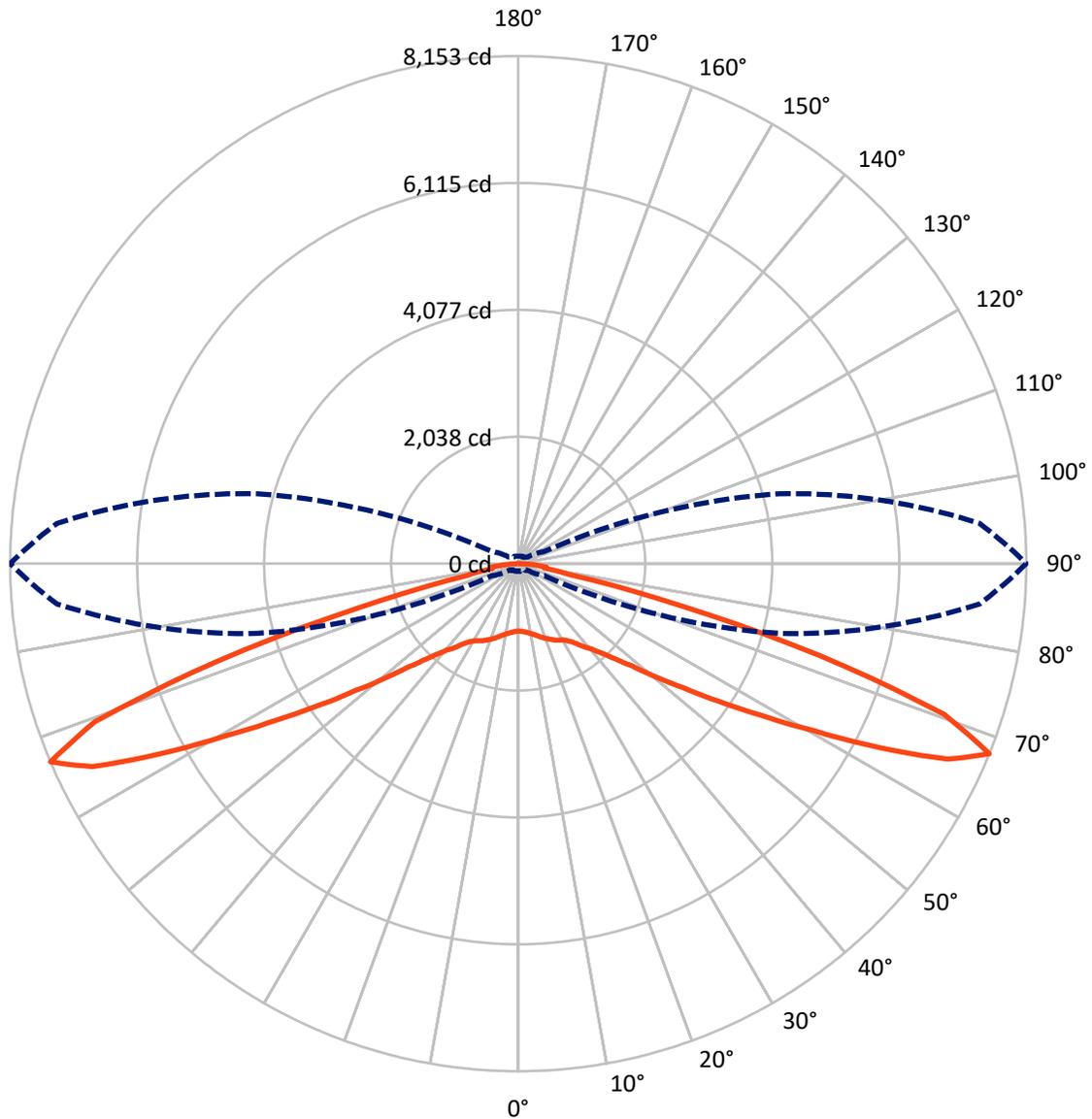
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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
House Side	Lumens	3065.0	0.0	3065.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3065.0	0.0	3065.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6130.0	0.0	6130.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	1.8
10°-20°	346.2	5.6
20°-30°	579.4	9.5
30°-40°	784.9	12.8
40°-50°	994.2	16.2
50°-60°	1242.0	20.3
60°-70°	1460.0	23.8
70°-80°	558.5	9.1
80°-90°	56.6	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°	6130.0	100.0
0°-180°	6130.0	100.0



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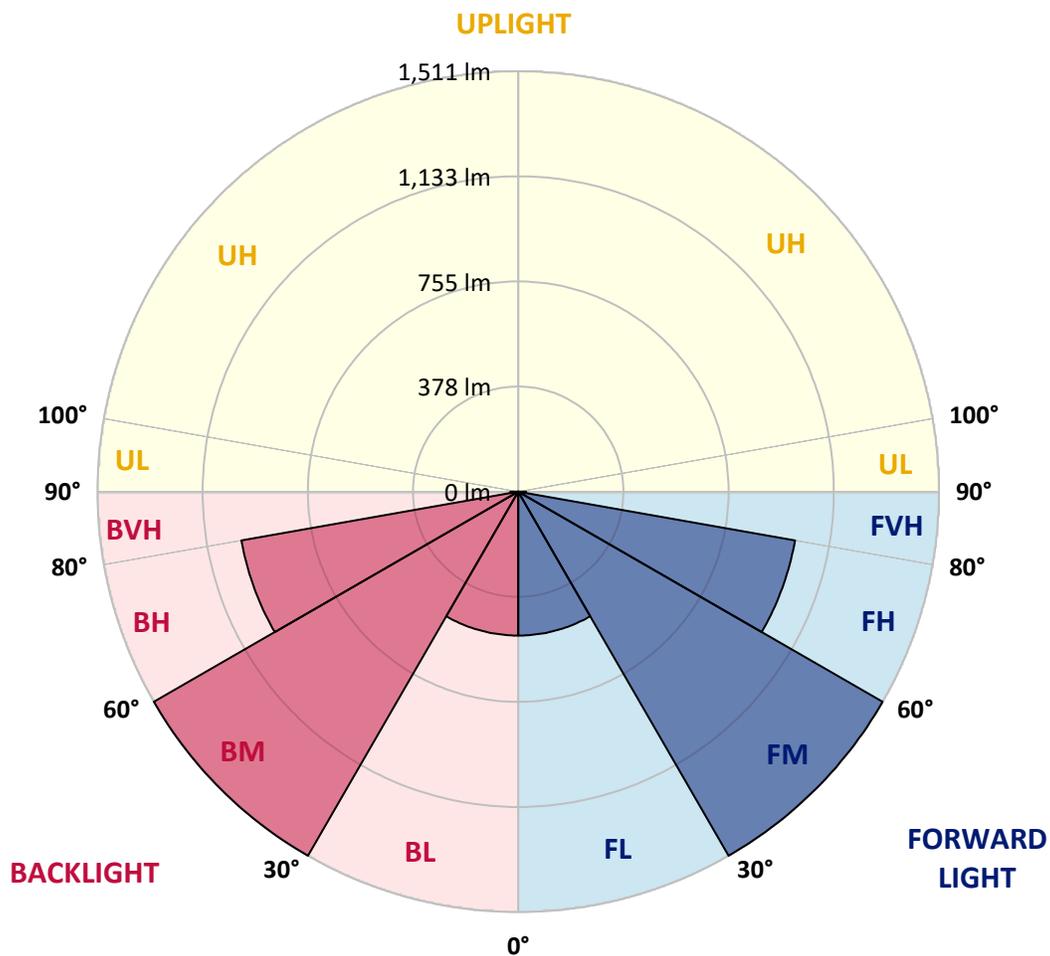
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	516.9	8.4			
FM	(30°-60°)	1510.6	24.6			
FH	(60°-80°)	1009.2	16.5			G1/1800
FVH	(80°-90°)	28.3	0.5			G1/100
BL	(0°-30°)	516.9	8.4	B2/1000		
BM	(30°-60°)	1510.6	24.6	B2/2500		
BH	(60°-80°)	1009.2	16.5	B3/2500		G3/2500
BVH	(80°-90°)	28.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2	1085.2
2.5°	1099.1	1098.4	1098.8	1098.4	1099.5	1098.8	1094.7	1091.3	1088.6	1088.9	1087.9
5°	1122.5	1122.9	1123.2	1121.5	1123.9	1122.5	1116.1	1110.7	1105.2	1103.2	1102.5
7.5°	1141.9	1143.6	1144.6	1146.3	1150.4	1150.4	1147.0	1139.2	1127.3	1120.5	1120.2
10°	1161.2	1162.6	1165.6	1171.1	1177.9	1184.3	1183.0	1172.4	1157.2	1145.6	1142.9
12.5°	1168.0	1169.7	1179.9	1195.5	1210.8	1223.4	1223.4	1214.9	1195.2	1177.5	1172.4
15°	1144.3	1147.3	1165.6	1198.9	1239.0	1266.5	1272.6	1260.7	1239.6	1212.5	1206.4
17.5°	1097.1	1104.5	1131.4	1180.6	1247.1	1304.1	1321.8	1316.0	1288.9	1254.2	1247.1
20°	1046.5	1054.7	1083.2	1148.3	1240.3	1326.2	1377.5	1378.8	1345.2	1295.0	1284.5
22.5°	990.8	996.9	1033.6	1110.0	1220.0	1331.3	1425.3	1448.7	1403.3	1335.7	1320.8
25°	928.4	935.2	973.5	1056.0	1181.6	1325.5	1469.1	1520.7	1464.0	1379.2	1360.2
27.5°	868.6	871.4	912.4	996.3	1131.0	1310.6	1501.4	1586.9	1531.2	1415.1	1391.0
30°	811.3	817.7	854.0	936.9	1073.0	1281.4	1529.2	1662.3	1603.5	1452.8	1421.9
32.5°	750.5	758.3	797.7	881.5	1014.9	1237.6	1546.2	1744.7	1704.3	1513.9	1481.0
35°	692.1	697.2	736.9	818.4	958.2	1186.7	1549.2	1837.7	1834.4	1606.6	1562.8
37.5°	632.4	639.9	679.9	758.0	898.2	1132.7	1533.9	1936.5	1991.2	1735.2	1688.1
40°	575.0	581.5	620.8	699.6	829.9	1066.9	1497.6	2026.8	2174.1	1867.6	1800.7
42.5°	512.6	514.3	557.4	637.5	763.1	990.5	1445.4	2107.3	2378.1	2045.1	1962.0
45°	441.6	446.0	486.1	564.8	686.4	905.0	1374.4	2173.8	2636.8	2291.2	2177.9
47.5°	370.7	374.4	411.1	488.8	602.5	806.9	1265.1	2232.2	2902.2	2603.9	2455.2
50°	301.4	303.5	333.3	402.2	508.1	703.7	1129.7	2250.8	3202.3	3046.5	2856.8
52.5°	238.3	241.3	264.1	318.1	407.3	581.8	983.4	2204.7	3552.6	3571.3	3303.8
55°	193.1	194.2	211.1	250.8	318.4	454.2	806.9	2076.0	3929.4	4243.7	3902.6
57.5°	166.3	167.0	176.5	198.6	245.1	342.5	625.9	1832.7	4267.8	5031.6	4593.0
60°	151.1	151.4	156.8	169.7	194.2	262.7	448.4	1489.1	4601.8	5908.4	5451.1
62.5°	141.5	141.5	145.3	152.4	164.3	201.6	324.8	1074.3	4830.6	6798.0	6508.8
65°	132.4	132.4	135.1	140.2	146.6	165.0	240.0	700.6	4824.8	7446.0	7572.6
67.5°	121.9	121.9	123.9	129.0	132.7	141.9	185.3	458.9	4334.0	7431.8	8153.1
70°	109.3	109.3	112.0	116.4	119.5	125.3	146.3	314.0	3184.0	6345.6	7250.9
72.5°	96.7	97.1	98.8	103.2	105.6	109.0	121.5	220.0	1953.2	4320.8	5069.9
75°	82.8	83.5	85.2	89.6	91.6	93.0	102.5	156.8	988.1	2329.6	2652.4
77.5°	66.9	68.2	69.2	74.0	75.4	77.4	84.5	113.4	433.8	837.1	844.5
80°	48.9	50.6	53.6	58.0	59.1	60.4	64.5	80.4	196.5	382.2	415.1
82.5°	36.0	38.4	34.6	40.4	40.4	38.7	45.5	54.0	90.3	378.5	452.8
85°	19.7	20.0	18.0	20.7	22.1	21.7	24.1	26.5	43.8	252.5	260.4
87.5°	4.8	5.1	5.4	6.4	7.8	7.8	8.5	7.5	14.3	81.8	46.8
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)