

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: P1209254

Luminaire Tested: UPW-SA2-110-730-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-730-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14161 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

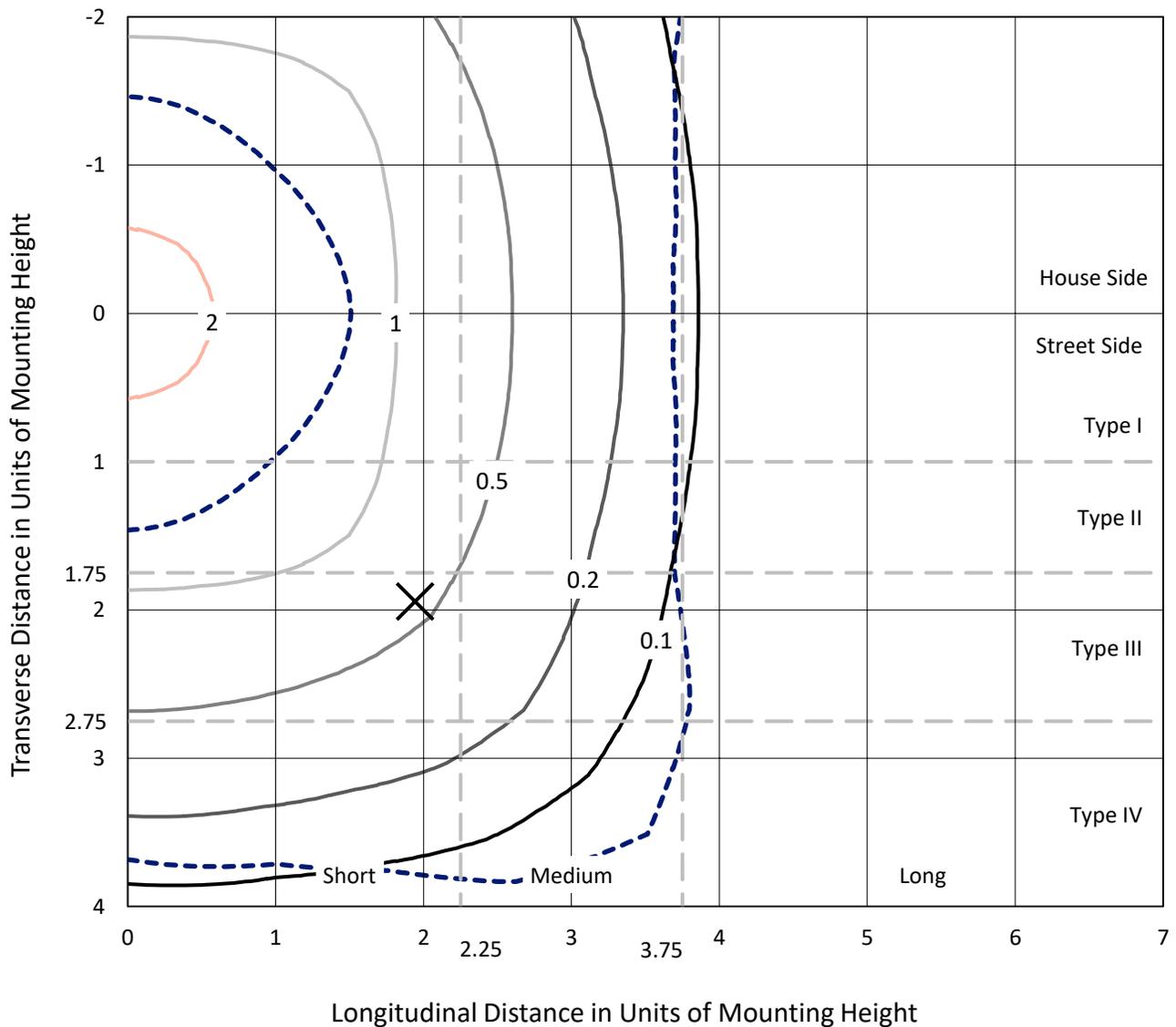
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209254
 CATALOG NUMBER: UPW-SA2-110-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

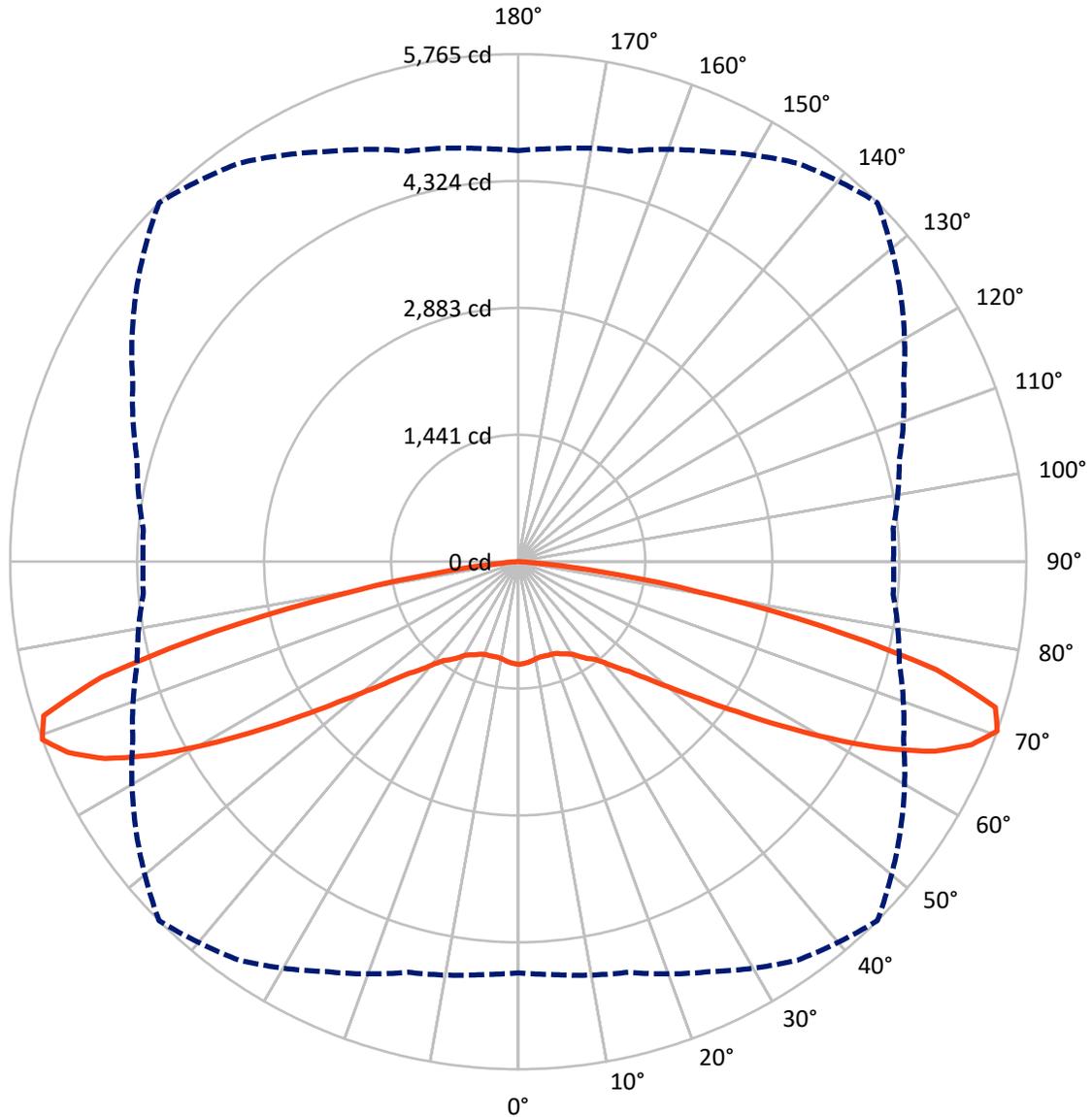
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P1209254
CATALOG NUMBER: UPW-SA2-110-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1209254

CATALOG NUMBER: UPW-SA2-110-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7080.5	0.0	7080.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7080.5	0.0	7080.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14161.0	0.0	14161.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	0.8
10°-20°	317.7	2.2
20°-30°	541.7	3.8
30°-40°	846.5	6.0
40°-50°	1434.6	10.1
50°-60°	2616.0	18.5
60°-70°	4503.7	31.8
70°-80°	3530.2	24.9
80°-90°	261.8	1.8
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°	14161.0	100.0
0°-180°	14161.0	100.0



REPORT NUMBER: P1209254

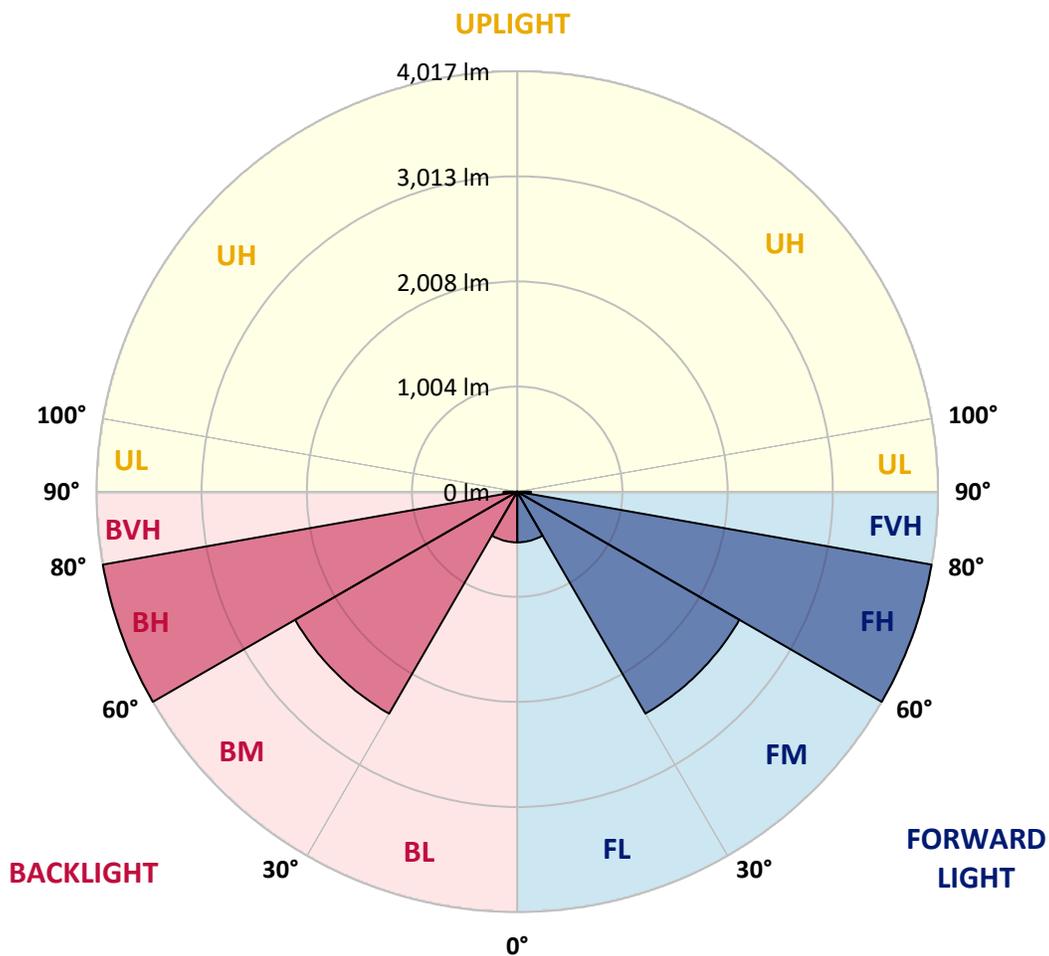
CATALOG NUMBER: UPW-SA2-110-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.1	3.4			
FM (30°-60°)	2448.5	17.3			
FH (60°-80°)	4016.9	28.4			G2/5000
FVH (80°-90°)	130.9	0.9			G2/225
BL (0°-30°)	484.1	3.4	B1/500		
BM (30°-60°)	2448.5	17.3	B2/2500		
BH (60°-80°)	4016.9	28.4	B4/5000		G2/5000
BVH (80°-90°)	130.9	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P1209254

CATALOG NUMBER: UPW-SA2-110-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5	1165.5
2.5°	1160.3	1161.7	1160.3	1161.2	1158.9	1159.8	1159.8	1159.8	1159.4	1159.8	1158.9
5°	1150.0	1150.9	1149.1	1150.0	1148.6	1150.0	1150.5	1150.0	1149.1	1149.5	1147.7
7.5°	1134.5	1135.5	1134.1	1135.5	1133.6	1135.9	1135.5	1134.1	1132.7	1132.7	1130.8
10°	1126.1	1126.6	1122.8	1121.4	1117.2	1118.1	1119.5	1121.0	1122.4	1125.2	1124.7
12.5°	1126.6	1126.6	1121.0	1114.9	1108.8	1110.2	1112.5	1117.7	1123.3	1128.4	1128.9
15°	1131.3	1130.8	1122.4	1112.5	1108.3	1112.5	1113.9	1117.2	1126.1	1135.0	1135.5
17.5°	1134.5	1134.5	1121.4	1110.2	1109.7	1116.3	1115.8	1117.2	1127.0	1140.2	1140.6
20°	1140.6	1140.6	1123.8	1111.6	1111.6	1118.6	1119.1	1121.4	1131.3	1145.8	1148.1
22.5°	1154.2	1154.7	1136.9	1127.0	1128.0	1132.2	1133.6	1137.3	1146.2	1162.2	1165.0
25°	1173.4	1174.4	1156.1	1150.5	1153.7	1161.7	1160.8	1163.6	1173.4	1188.9	1191.7
27.5°	1200.1	1197.8	1180.9	1178.6	1181.8	1187.5	1187.0	1187.5	1195.4	1209.5	1212.8
30°	1234.8	1233.8	1221.7	1223.1	1221.7	1219.8	1220.3	1224.0	1228.2	1239.5	1242.7
32.5°	1268.5	1269.4	1261.9	1269.0	1279.3	1286.3	1275.5	1265.2	1260.5	1266.6	1269.4
35°	1329.4	1331.7	1320.0	1315.3	1329.4	1350.0	1319.6	1302.7	1312.1	1320.0	1322.4
37.5°	1432.9	1434.3	1414.7	1395.9	1385.6	1405.3	1374.8	1376.2	1409.0	1424.0	1423.6
40°	1551.0	1551.4	1538.3	1521.9	1504.1	1508.8	1496.6	1500.4	1521.9	1535.5	1539.3
42.5°	1691.5	1690.1	1669.5	1646.1	1640.9	1645.6	1625.0	1622.2	1647.0	1671.4	1671.8
45°	1873.7	1870.4	1843.7	1818.0	1793.1	1782.8	1777.7	1791.3	1825.5	1848.0	1848.4
47.5°	2070.0	2061.1	2047.0	2026.4	2004.9	1994.6	1986.1	1992.7	2017.5	2026.4	2027.4
50°	2271.9	2273.8	2276.6	2268.6	2260.6	2257.4	2235.3	2222.7	2230.2	2213.8	2211.5
52.5°	2511.2	2515.0	2542.2	2565.1	2578.7	2585.7	2544.0	2500.5	2476.1	2444.3	2434.9
55°	2793.7	2799.8	2839.6	2903.3	2968.9	3003.6	2928.2	2846.6	2771.2	2711.7	2692.5
57.5°	3108.5	3119.3	3174.1	3296.3	3430.8	3512.8	3385.3	3237.3	3091.6	3005.9	2990.9
60°	3477.6	3487.9	3563.8	3739.0	3956.8	4080.0	3887.0	3644.8	3463.6	3381.6	3354.0
62.5°	3917.0	3917.9	4011.2	4215.9	4503.5	4674.9	4413.5	4089.9	3903.0	3804.1	3777.4
65°	4389.7	4392.0	4488.5	4709.6	5007.0	5193.5	4898.4	4561.1	4332.5	4186.8	4166.2
67.5°	4723.6	4733.5	4835.1	5101.2	5379.4	5547.6	5242.2	4860.9	4596.7	4422.9	4405.6
70°	4670.2	4708.7	4828.1	5138.7	5525.6	5765.4	5297.9	4825.3	4476.8	4271.6	4257.1
72.5°	4073.0	4146.5	4305.8	4713.3	5332.1	5662.4	4993.9	4321.7	3927.3	3752.6	3726.4
75°	2773.6	2893.0	3133.3	3721.2	4555.5	4902.6	4204.2	3445.8	3074.8	2833.1	2815.3
77.5°	1236.7	1263.8	1568.3	2245.2	3143.6	3520.7	3054.6	2254.1	1692.0	1349.5	1277.4
80°	344.8	349.0	465.6	836.1	1573.5	2068.6	1689.2	878.3	493.7	348.0	327.9
82.5°	109.6	119.0	145.2	216.9	528.9	943.9	542.9	234.2	166.8	133.0	119.9
85°	53.4	52.9	73.5	88.1	134.9	208.9	143.8	108.7	95.1	63.2	57.1
87.5°	22.5	23.0	34.2	30.9	39.3	33.7	46.4	48.7	51.1	28.1	24.4
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)