

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P799471

Luminaire Tested: **ARCH2-30-722-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4483 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B2 - U0 - G1

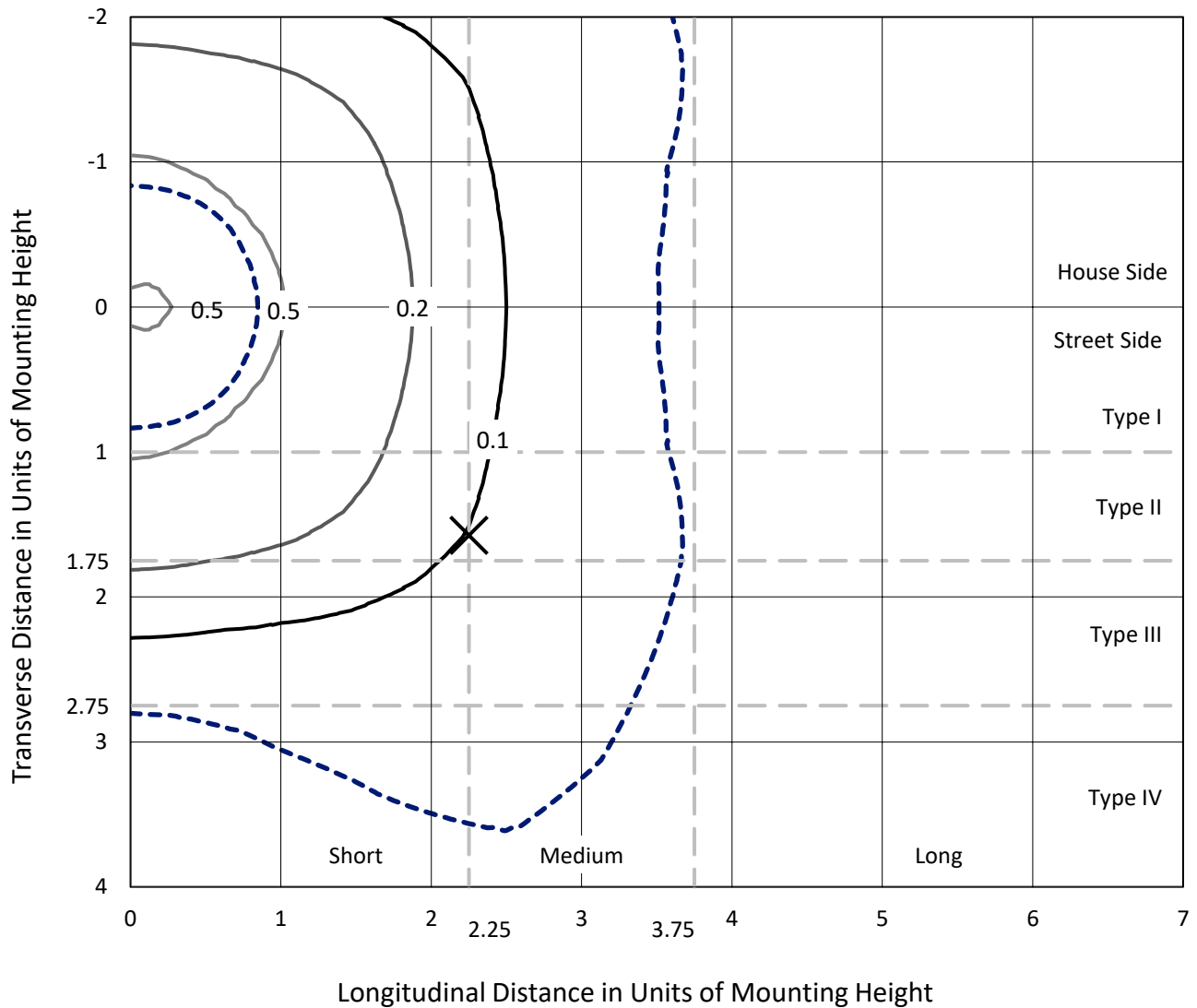
Input Watts (W): 34.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

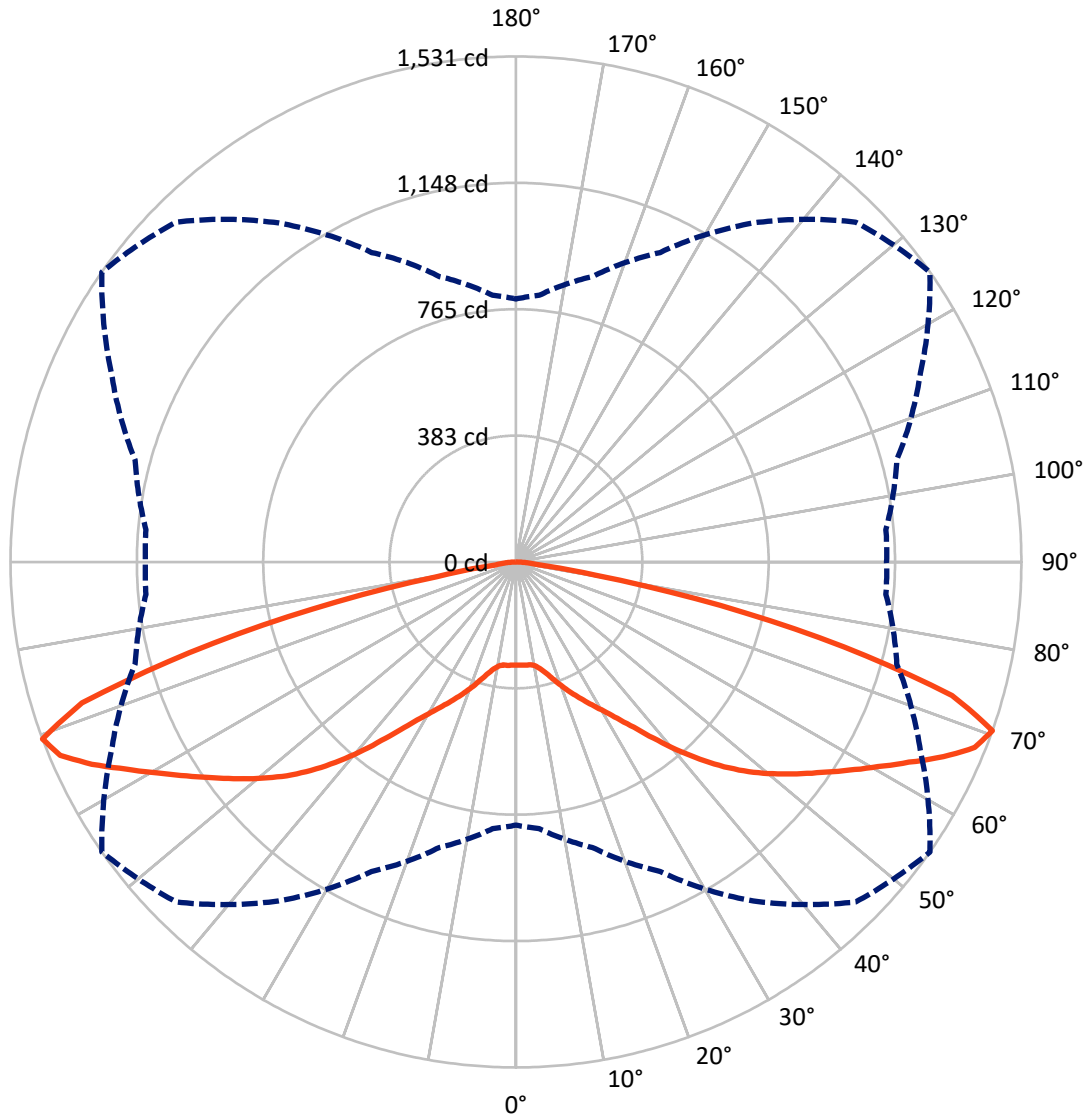
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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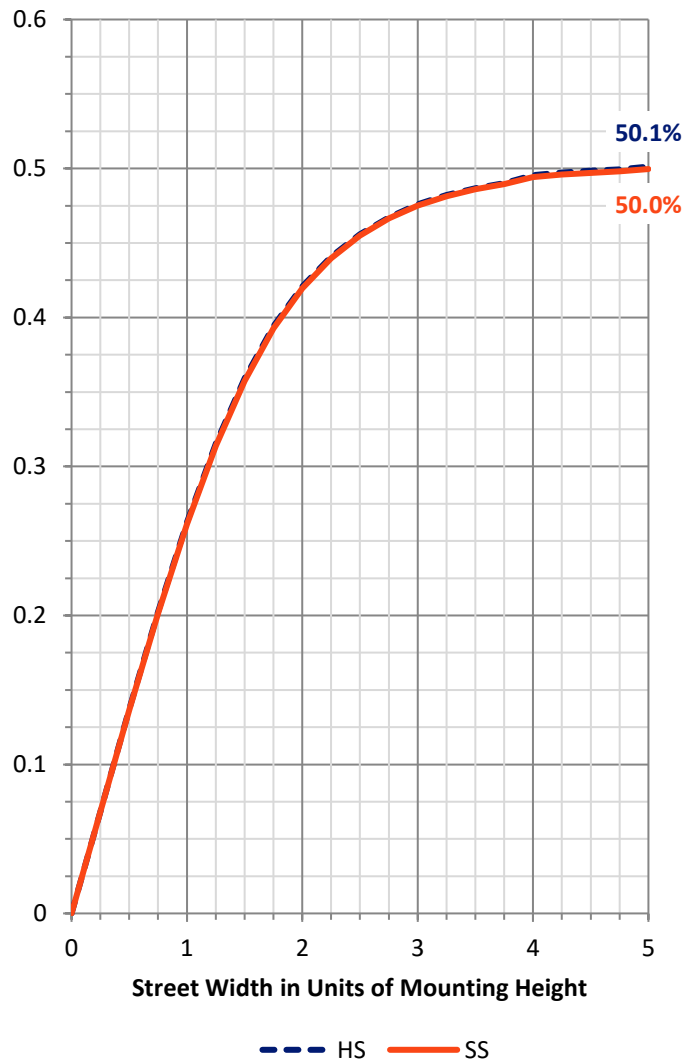
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2241.5	0.0	2241.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2241.5	0.0	2241.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4483.0	0.0	4483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	0.7
10°-20°	102.7	2.3
20°-30°	213.3	4.8
30°-40°	394.0	8.8
40°-50°	692.3	15.4
50°-60°	998.4	22.3
60°-70°	1221.9	27.3
70°-80°	777.5	17.3
80°-90°	52.6	1.2
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°	4483.0	100.0
0°-180°	4483.0	100.0

Coefficient of Utilization



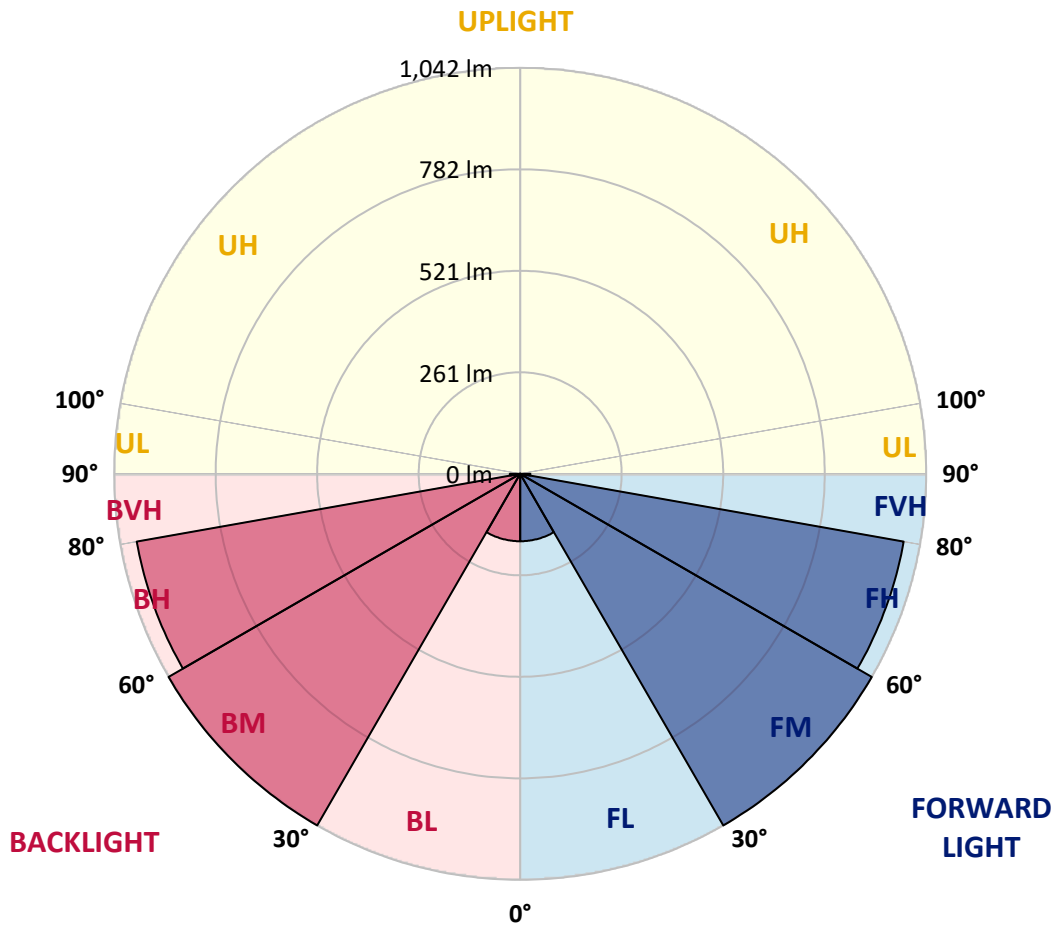
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.1	3.9			
FM (30°-60°)	1042.4	23.3			
FH (60°-80°)	999.7	22.3			G1/1800
FVH (80°-90°)	26.3	0.6			G1/100
BL (0°-30°)	173.1	3.9	B1/500		
BM (30°-60°)	1042.4	23.3	B2/2500		
BH (60°-80°)	999.7	22.3	B2/1000		G1/1800
BVH (80°-90°)	26.3	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-G1

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5
2.5°	316.7	316.7	315.8	315.8	314.2	313.3	312.5	312.5	311.7	311.7	310.8
5°	318.3	318.3	318.3	317.5	316.7	315.8	314.2	312.5	311.7	310.8	310.0
7.5°	319.2	319.2	318.3	318.3	317.5	316.7	314.2	311.7	310.8	310.0	310.0
10°	325.8	325.0	324.2	322.5	322.5	322.5	319.2	316.7	315.8	315.8	315.8
12.5°	341.7	340.8	339.2	336.7	336.7	337.5	332.5	329.2	329.2	328.3	328.3
15°	365.0	364.2	362.5	358.3	357.5	359.2	351.7	348.3	348.3	348.3	347.5
17.5°	390.8	389.2	386.7	383.3	383.3	383.3	375.8	371.7	369.2	369.2	368.3
20°	412.5	411.7	411.7	410.8	413.3	413.3	403.3	396.7	390.8	387.5	386.7
22.5°	431.7	430.8	432.5	435.8	440.8	442.5	430.8	420.8	411.7	405.0	403.3
25°	457.5	456.7	455.8	460.8	469.2	471.7	459.2	446.7	437.5	434.2	432.5
27.5°	485.0	485.8	486.7	491.7	498.3	502.5	490.0	478.3	470.8	465.8	464.2
30°	515.8	517.5	520.0	527.5	532.5	534.2	523.3	515.0	508.3	504.2	501.7
32.5°	555.0	558.3	561.7	568.3	570.8	569.2	564.2	558.3	553.3	547.5	546.7
35°	613.3	616.7	615.8	618.3	619.2	617.5	615.0	611.7	609.2	601.7	600.8
37.5°	686.7	690.0	685.0	682.5	676.7	677.5	676.7	679.2	680.0	672.5	671.7
40°	760.9	764.2	757.5	750.9	745.0	742.5	746.7	755.0	755.0	750.0	750.0
42.5°	840.0	842.5	831.7	823.4	815.9	814.2	816.7	826.7	829.2	828.4	828.4
45°	919.2	917.5	903.4	895.0	888.4	884.2	885.0	892.5	897.5	900.0	900.0
47.5°	980.0	977.5	965.9	959.2	955.0	949.2	949.2	953.4	955.9	956.7	956.7
50°	1028.4	1025.9	1014.2	1013.4	1013.4	1010.9	1008.4	1007.5	1005.9	1006.7	1006.7
52.5°	1070.0	1066.7	1058.4	1060.0	1067.5	1069.2	1065.9	1059.2	1052.5	1050.0	1050.9
55°	1115.0	1110.0	1103.4	1108.4	1123.4	1130.0	1125.0	1111.7	1100.0	1092.5	1092.5
57.5°	1150.9	1145.0	1145.0	1159.2	1186.7	1200.0	1189.2	1164.2	1144.2	1135.9	1136.7
60°	1125.9	1120.9	1140.9	1203.4	1255.0	1277.5	1259.2	1215.0	1182.5	1172.5	1174.2
62.5°	1076.7	1073.4	1098.4	1195.0	1316.7	1363.4	1335.9	1272.5	1224.2	1212.5	1212.5
65°	1004.2	1003.4	1038.4	1157.5	1330.9	1445.9	1422.5	1335.0	1272.5	1256.7	1260.0
67.5°	929.2	929.2	960.9	1093.4	1314.2	1480.9	1499.2	1391.7	1295.9	1256.7	1257.5
70°	796.7	810.9	895.0	1034.2	1253.4	1455.9	1530.9	1351.7	1194.2	1125.0	1122.5
72.5°	525.0	543.3	710.9	930.9	1193.4	1365.0	1381.7	1187.5	991.7	910.9	906.7
75°	316.7	332.5	460.8	726.7	1049.2	1099.2	1025.9	930.9	740.9	677.5	677.5
77.5°	93.3	104.2	212.5	460.8	725.9	722.5	632.5	548.3	438.3	372.5	377.5
80°	55.0	56.7	69.2	210.0	300.8	316.7	244.2	152.5	152.5	113.3	110.0
82.5°	42.5	42.5	44.2	52.5	72.5	80.8	61.7	52.5	60.0	50.8	48.3
85°	30.0	30.0	30.0	30.8	31.7	32.5	34.2	35.0	38.3	31.7	30.0
87.5°	9.2	10.0	10.8	12.5	15.0	15.8	16.7	15.0	15.0	14.2	13.3
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)