

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: P798703

Luminaire Tested: **ARCH1-30-722-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P798703
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: ARCH1-30-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3987 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B2 - U0 - G1

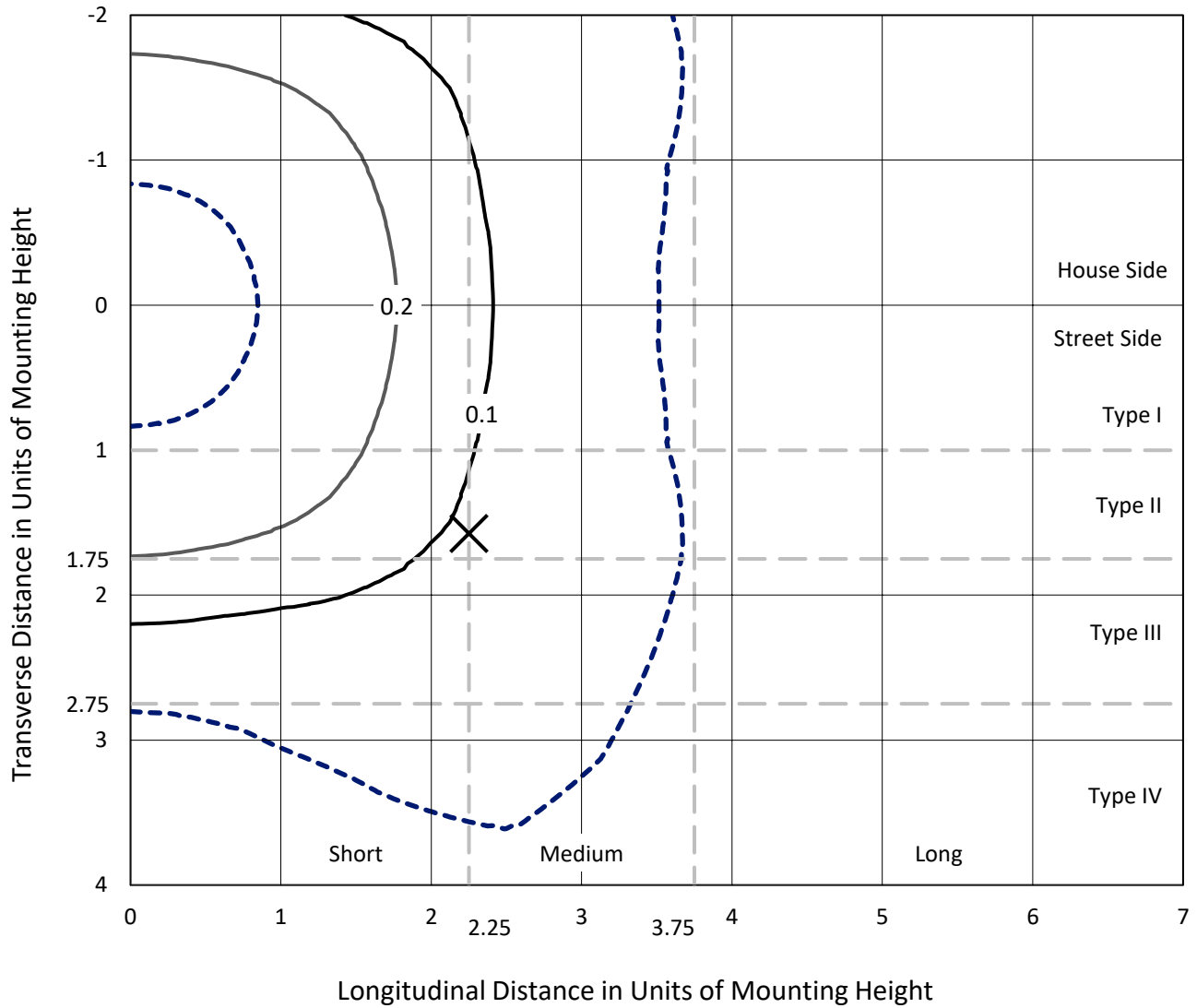
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

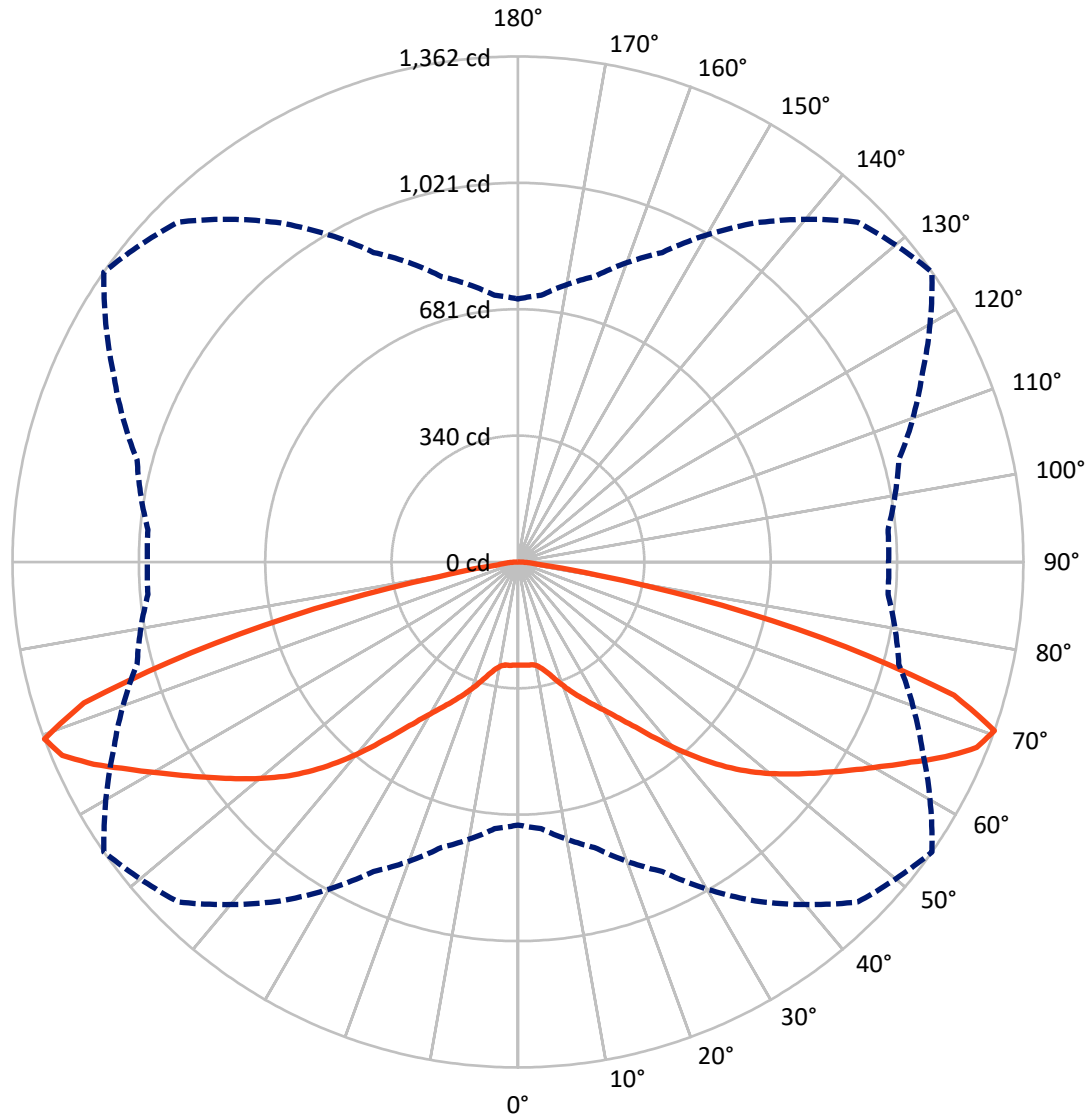
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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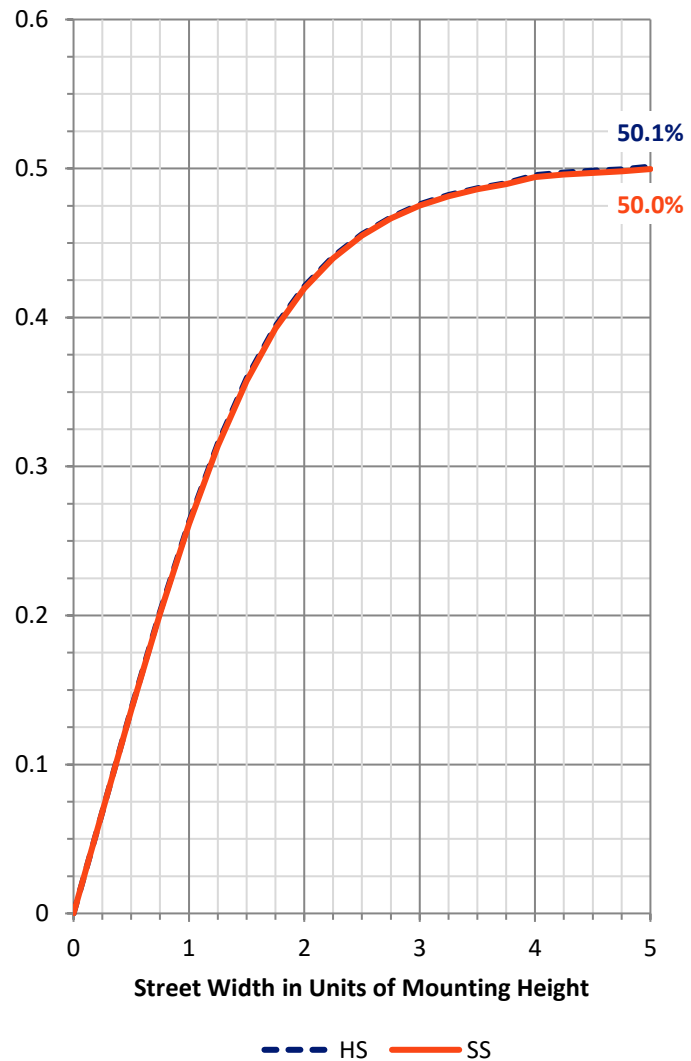
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1993.5	0.0	1993.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1993.5	0.0	1993.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3987.0	0.0	3987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	0.7
10°-20°	91.3	2.3
20°-30°	189.8	4.8
30°-40°	350.5	8.8
40°-50°	615.7	15.4
50°-60°	887.9	22.3
60°-70°	1086.7	27.3
70°-80°	691.5	17.3
80°-90°	46.8	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°	3987.0	100.0
0°-180°	3987.0	100.0

Coefficient of Utilization



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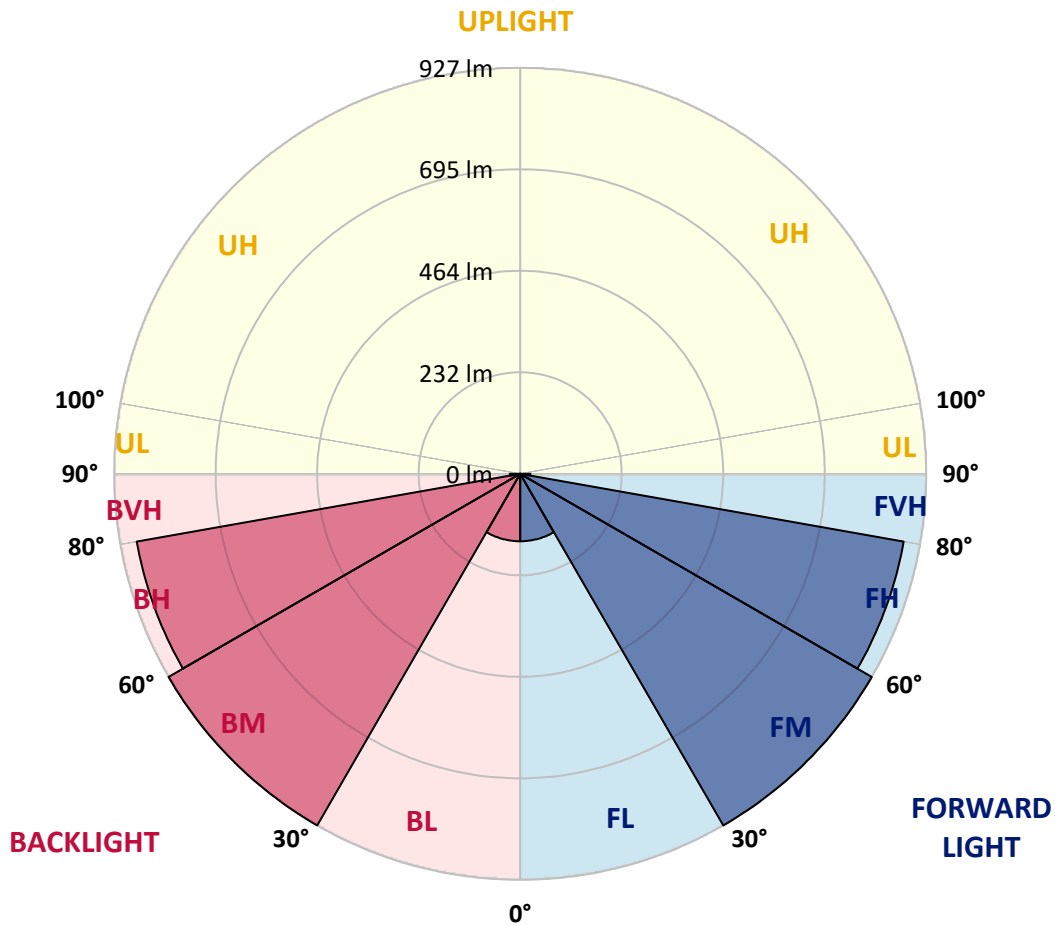
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.9	3.9			
FM (30°-60°)	927.0	23.3			
FH (60°-80°)	889.1	22.3			G1/1800
FVH (80°-90°)	23.4	0.6			G1/100
BL (0°-30°)	153.9	3.9	B1/500		
BM (30°-60°)	927.0	23.3	B1/1000		
BH (60°-80°)	889.1	22.3	B2/1000		G1/1800
BVH (80°-90°)	23.4	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°	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9
2.5°	281.6	281.6	280.9	280.9	279.4	278.7	277.9	277.9	277.2	277.2	276.4
5°	283.1	283.1	283.1	282.4	281.6	280.9	279.4	277.9	277.2	276.4	275.7
7.5°	283.9	283.9	283.1	283.1	282.4	281.6	279.4	277.2	276.4	275.7	275.7
10°	289.8	289.0	288.3	286.8	286.8	286.8	283.9	281.6	280.9	280.9	280.9
12.5°	303.9	303.1	301.6	299.4	299.4	300.2	295.7	292.8	292.8	292.0	292.0
15°	324.6	323.9	322.4	318.7	318.0	319.4	312.8	309.8	309.8	309.8	309.1
17.5°	347.6	346.1	343.9	340.9	340.9	340.9	334.3	330.6	328.3	328.3	327.6
20°	366.9	366.1	366.1	365.4	367.6	367.6	358.7	352.8	347.6	344.6	343.9
22.5°	383.9	383.2	384.7	387.6	392.1	393.6	383.2	374.3	366.1	360.2	358.7
25°	406.9	406.2	405.4	409.9	417.3	419.5	408.4	397.3	389.1	386.1	384.7
27.5°	431.3	432.1	432.8	437.3	443.2	446.9	435.8	425.4	418.8	414.3	412.8
30°	458.8	460.3	462.5	469.1	473.6	475.1	465.4	458.0	452.1	448.4	446.2
32.5°	493.6	496.6	499.5	505.5	507.7	506.2	501.8	496.6	492.1	486.9	486.2
35°	545.5	548.5	547.7	549.9	550.7	549.2	547.0	544.0	541.8	535.1	534.4
37.5°	610.7	613.7	609.2	607.0	601.8	602.6	601.8	604.0	604.8	598.1	597.4
40°	676.7	679.6	673.7	667.8	662.6	660.4	664.1	671.5	671.5	667.0	667.0
42.5°	747.1	749.3	739.7	732.3	725.6	724.1	726.3	735.2	737.4	736.7	736.7
45°	817.5	816.0	803.4	796.0	790.1	786.4	787.1	793.8	798.2	800.4	800.4
47.5°	871.6	869.4	859.0	853.1	849.4	844.2	844.2	847.9	850.1	850.8	850.8
50°	914.6	912.4	902.0	901.2	901.2	899.0	896.8	896.1	894.6	895.3	895.3
52.5°	951.6	948.7	941.3	942.7	949.4	950.9	947.9	942.0	936.1	933.8	934.6
55°	991.7	987.2	981.3	985.7	999.1	1005.0	1000.6	988.7	978.3	971.6	971.6
57.5°	1023.5	1018.3	1018.3	1030.9	1055.4	1067.3	1057.6	1035.4	1017.6	1010.2	1010.9
60°	1001.3	996.8	1014.6	1070.2	1116.2	1136.2	1119.9	1080.6	1051.7	1042.8	1044.3
62.5°	957.6	954.6	976.8	1062.8	1171.0	1212.5	1188.1	1131.7	1088.8	1078.4	1078.4
65°	893.1	892.3	923.5	1029.5	1183.6	1285.9	1265.1	1187.3	1131.7	1117.7	1120.6
67.5°	826.4	826.4	854.5	972.4	1168.8	1317.0	1333.3	1237.7	1152.5	1117.7	1118.4
70°	708.5	721.1	796.0	919.8	1114.7	1294.8	1361.5	1202.1	1062.1	1000.6	998.3
72.5°	466.9	483.2	632.2	827.9	1061.3	1214.0	1228.8	1056.1	882.0	810.1	806.4
75°	281.6	295.7	409.9	646.3	933.1	977.6	912.4	827.9	658.9	602.6	602.6
77.5°	83.0	92.6	189.0	409.9	645.5	642.6	562.5	487.7	389.8	331.3	335.7
80°	48.9	50.4	61.5	186.8	267.6	281.6	217.2	135.6	135.6	100.8	97.8
82.5°	37.8	37.8	39.3	46.7	64.5	71.9	54.8	46.7	53.4	45.2	43.0
85°	26.7	26.7	26.7	27.4	28.2	28.9	30.4	31.1	34.1	28.2	26.7
87.5°	8.2	8.9	9.6	11.1	13.3	14.1	14.8	13.3	13.3	12.6	11.9
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)