

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: P798767

Luminaire Tested: **ARCH1-30-740-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P798767
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: ARCH1-30-740-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4784 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - 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

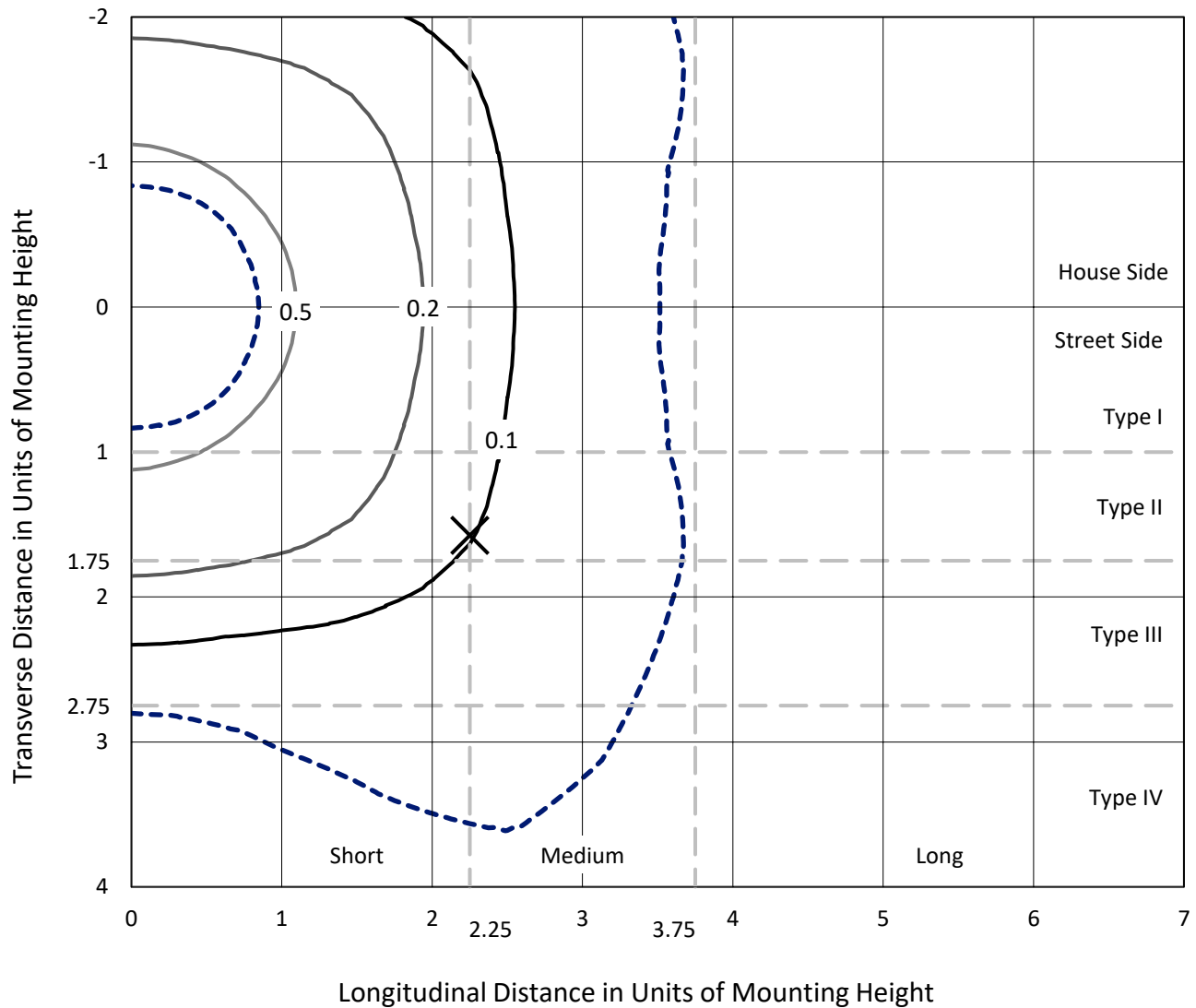


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

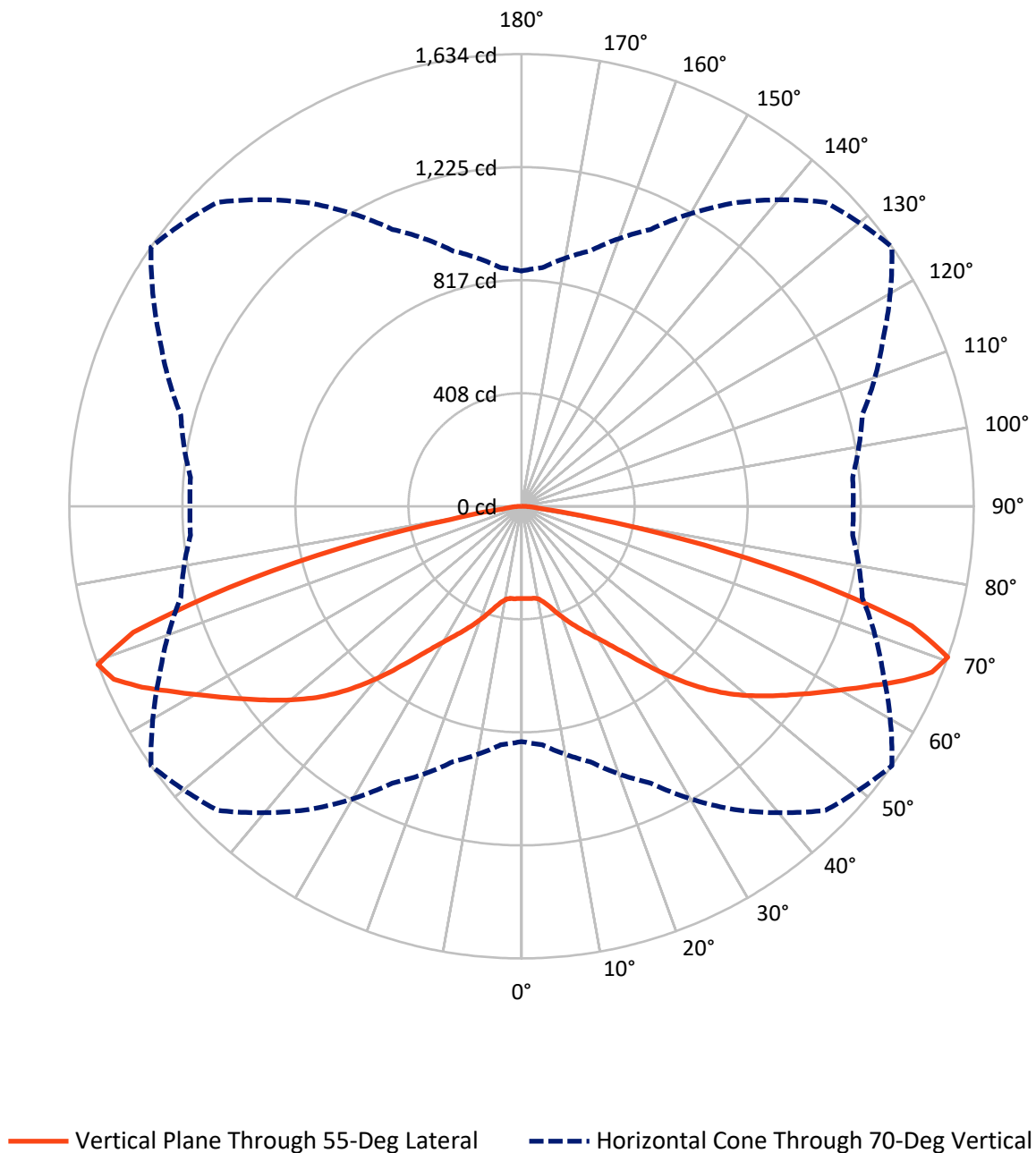


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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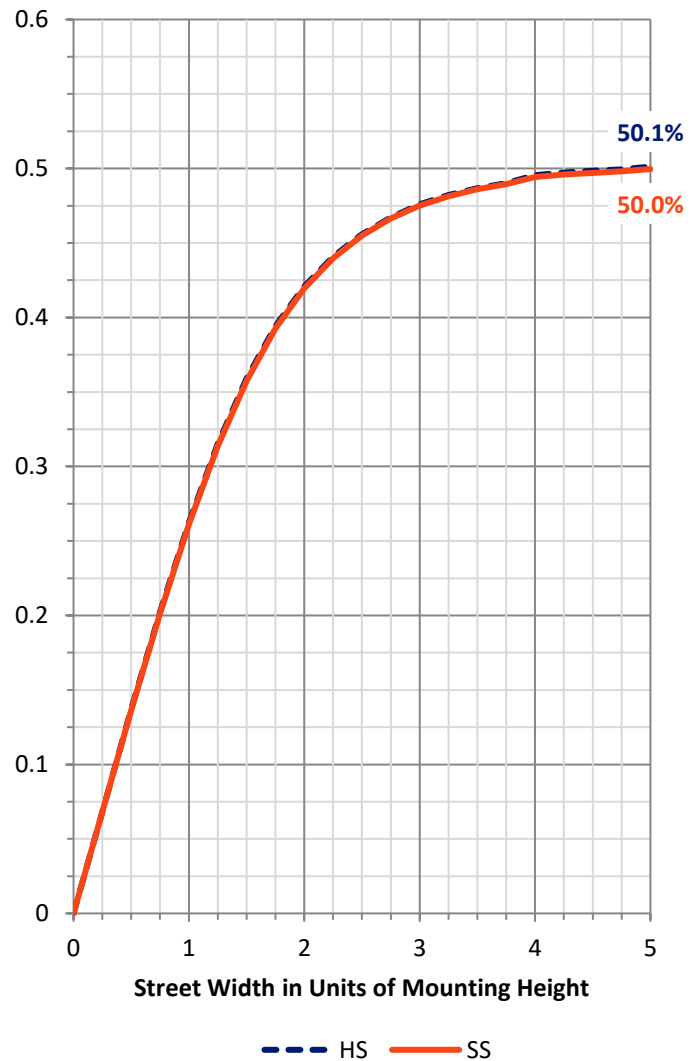
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2392.0	0.0	2392.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2392.0	0.0	2392.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4784.0	0.0	4784.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	0.7
10°-20°	109.6	2.3
20°-30°	227.7	4.8
30°-40°	420.5	8.8
40°-50°	738.7	15.4
50°-60°	1065.4	22.3
60°-70°	1304.0	27.3
70°-80°	829.8	17.3
80°-90°	56.1	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°	4784.0	100.0
0°-180°	4784.0	100.0

Coefficient of Utilization



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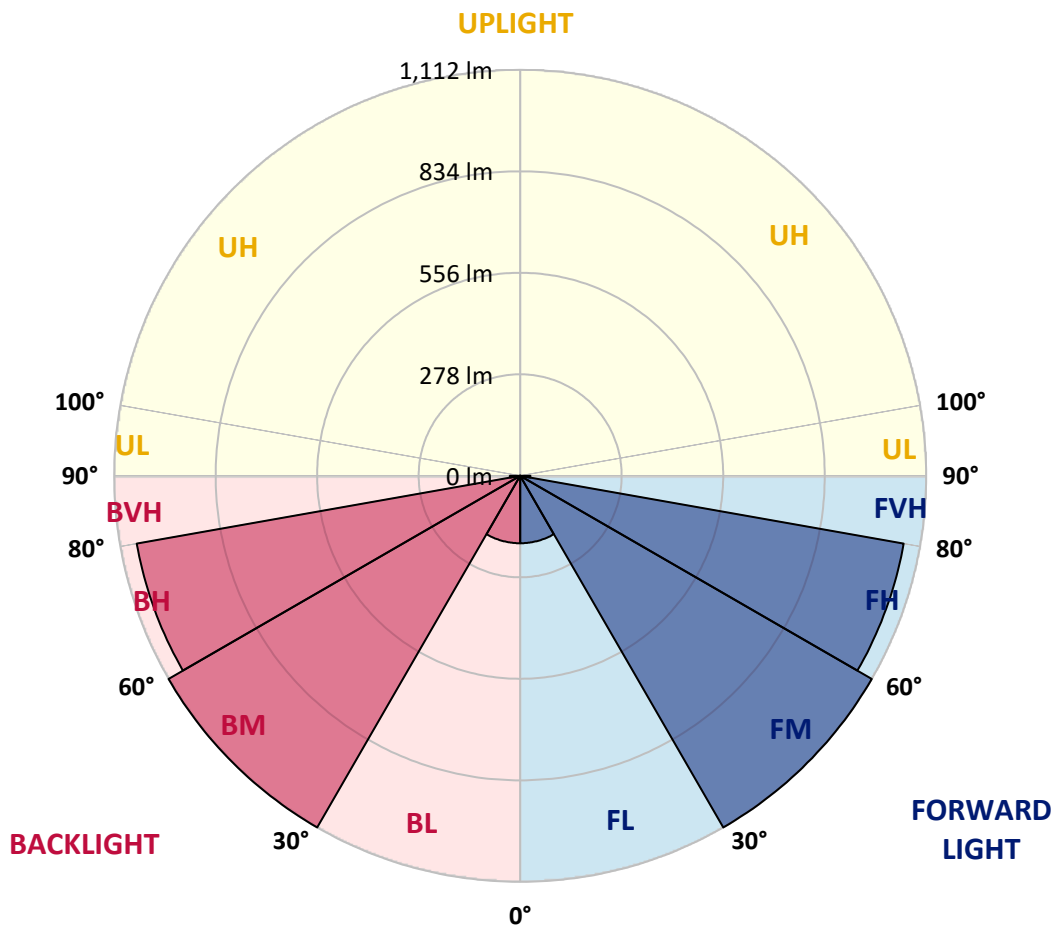
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.7	3.9			
FM	(30°-60°)	1112.3	23.3			
FH	(60°-80°)	1066.9	22.3			G1/1800
FVH	(80°-90°)	28.1	0.6			G1/100
BL	(0°-30°)	184.7	3.9	B1/500		
BM	(30°-60°)	1112.3	23.3	B2/2500		
BH	(60°-80°)	1066.9	22.3	B3/2500		G1/1800
BVH	(80°-90°)	28.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5
2.5°	337.9	337.9	337.0	337.0	335.3	334.4	333.5	333.5	332.6	332.6	331.7
5°	339.7	339.7	339.7	338.8	337.9	337.0	335.3	333.5	332.6	331.7	330.8
7.5°	340.6	340.6	339.7	339.7	338.8	337.9	335.3	332.6	331.7	330.8	330.8
10°	347.7	346.8	345.9	344.2	344.2	344.2	340.6	337.9	337.0	337.0	337.0
12.5°	364.6	363.7	361.9	359.3	359.3	360.2	354.8	351.3	351.3	350.4	350.4
15°	389.5	388.6	386.8	382.4	381.5	383.3	375.3	371.7	371.7	371.7	370.8
17.5°	417.1	415.3	412.6	409.1	409.1	409.1	401.1	396.6	394.0	394.0	393.1
20°	440.2	439.3	439.3	438.4	441.1	441.1	430.4	423.3	417.1	413.5	412.6
22.5°	460.7	459.8	461.6	465.1	470.4	472.2	459.8	449.1	439.3	432.2	430.4
25°	488.2	487.3	486.5	491.8	500.7	503.3	490.0	476.7	466.9	463.3	461.6
27.5°	517.6	518.5	519.4	524.7	531.8	536.3	522.9	510.5	502.5	497.1	495.3
30°	550.5	552.3	554.9	562.9	568.3	570.0	558.5	549.6	542.5	538.0	535.4
32.5°	592.3	595.8	599.4	606.5	609.2	607.4	602.1	595.8	590.5	584.3	583.4
35°	654.5	658.1	657.2	659.9	660.8	659.0	656.3	652.8	650.1	642.1	641.2
37.5°	732.8	736.3	731.0	728.3	722.1	723.0	722.1	724.8	725.7	717.7	716.8
40°	811.9	815.5	808.4	801.3	795.0	792.4	796.8	805.7	805.7	800.4	800.4
42.5°	896.4	899.1	887.5	878.6	870.6	868.9	871.5	882.2	884.9	884.0	884.0
45°	980.9	979.1	964.0	955.1	948.0	943.6	944.4	952.4	957.8	960.5	960.5
47.5°	1045.8	1043.2	1030.7	1023.6	1019.1	1012.9	1012.9	1017.4	1020.0	1020.9	1020.9
50°	1097.4	1094.7	1082.3	1081.4	1081.4	1078.7	1076.1	1075.2	1073.4	1074.3	1074.3
52.5°	1141.9	1138.3	1129.4	1131.2	1139.2	1141.0	1137.4	1130.3	1123.2	1120.5	1121.4
55°	1189.9	1184.6	1177.4	1182.8	1198.8	1205.9	1200.6	1186.3	1173.9	1165.9	1165.9
57.5°	1228.1	1221.9	1221.9	1237.0	1266.4	1280.6	1269.0	1242.4	1221.0	1212.1	1213.0
60°	1201.5	1196.1	1217.5	1284.2	1339.3	1363.3	1343.7	1296.6	1261.9	1251.3	1253.0
62.5°	1149.0	1145.4	1172.1	1275.3	1405.1	1454.9	1425.6	1358.0	1306.4	1293.9	1293.9
65°	1071.6	1070.7	1108.1	1235.2	1420.2	1542.9	1518.0	1424.7	1358.0	1341.1	1344.6
67.5°	991.6	991.6	1025.4	1166.8	1402.4	1580.3	1599.9	1485.1	1382.9	1341.1	1342.0
70°	850.2	865.3	955.1	1103.6	1337.5	1553.6	1633.7	1442.5	1274.4	1200.6	1197.9
72.5°	560.3	579.8	758.6	993.4	1273.5	1456.7	1474.5	1267.3	1058.3	972.0	967.6
75°	337.9	354.8	491.8	775.5	1119.6	1173.0	1094.7	993.4	790.6	723.0	723.0
77.5°	99.6	111.2	226.8	491.8	774.6	771.0	675.0	585.2	467.8	397.5	402.9
80°	58.7	60.5	73.8	224.1	321.0	337.9	260.6	162.7	162.7	120.9	117.4
82.5°	45.4	45.4	47.1	56.0	77.4	86.3	65.8	56.0	64.0	54.2	51.6
85°	32.0	32.0	32.0	32.9	33.8	34.7	36.5	37.4	40.9	33.8	32.0
87.5°	9.8	10.7	11.6	13.3	16.0	16.9	17.8	16.0	16.0	15.1	14.2
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)