

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: P798735

Luminaire Tested: **ARCH1-30-730-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P798735
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: ARCH1-30-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556 lumens
Efficiency: N/A
Efficacy: 138.1 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

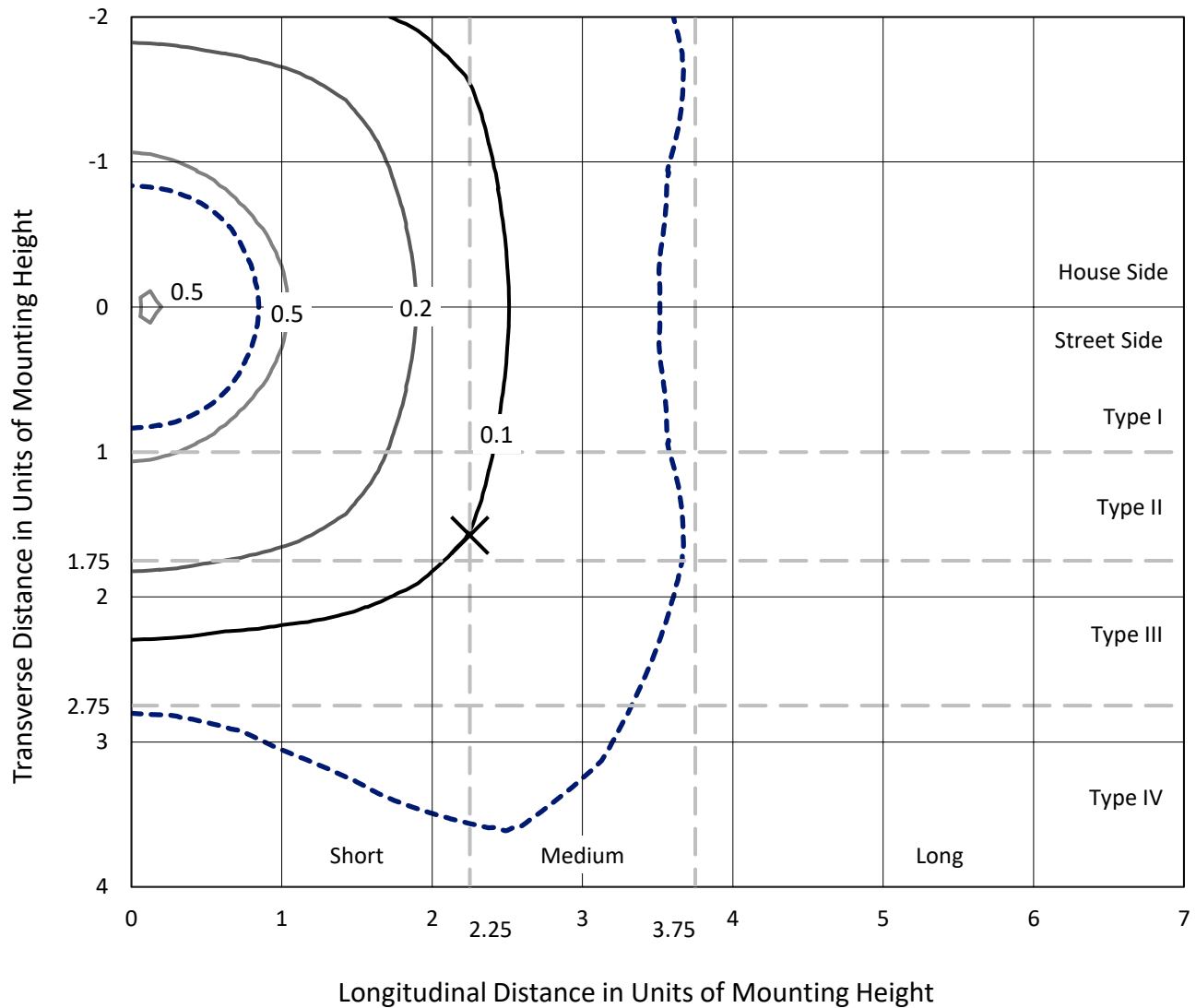


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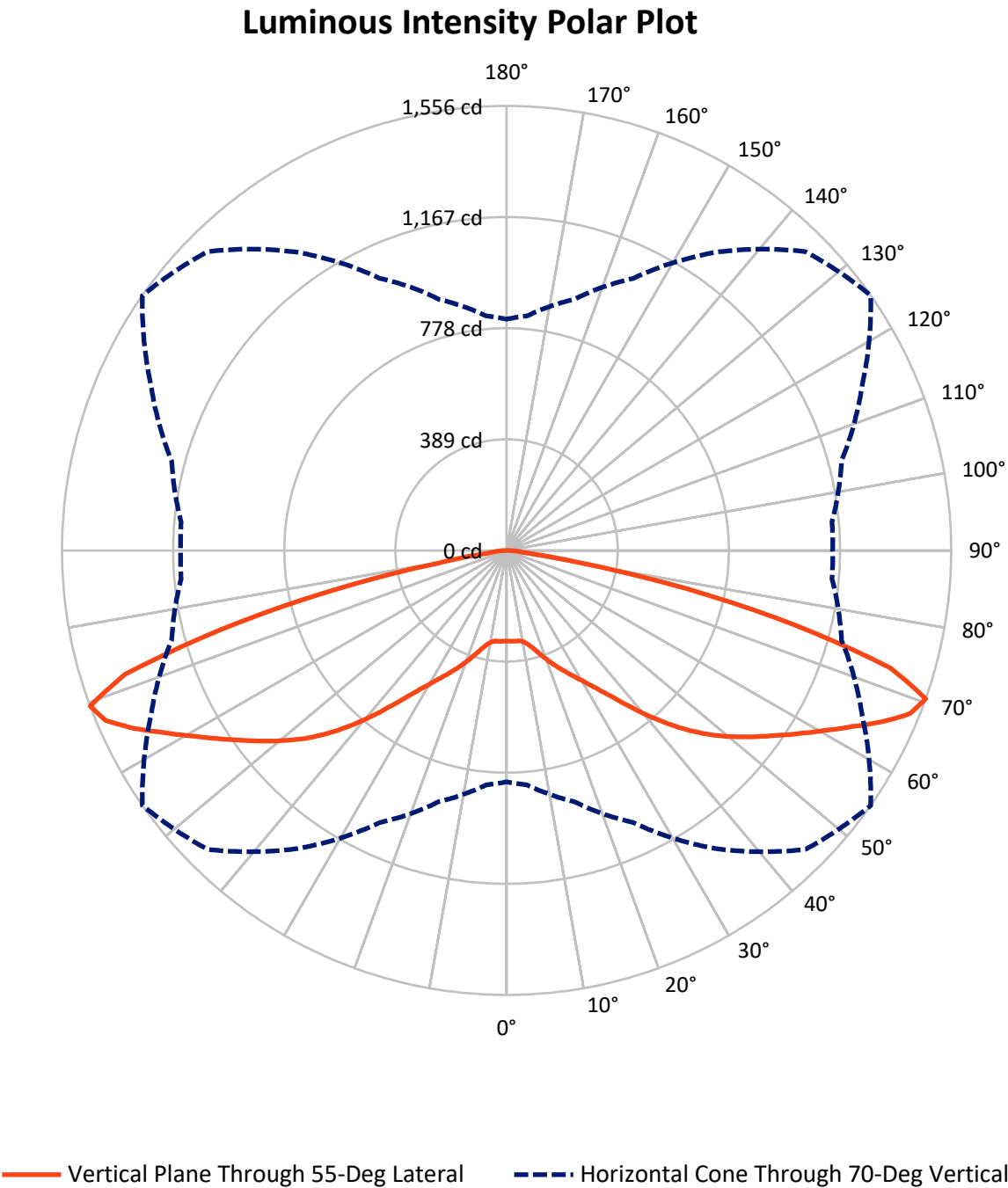
Iso-Footcandle Lines of Horizontal Illumination

✕ 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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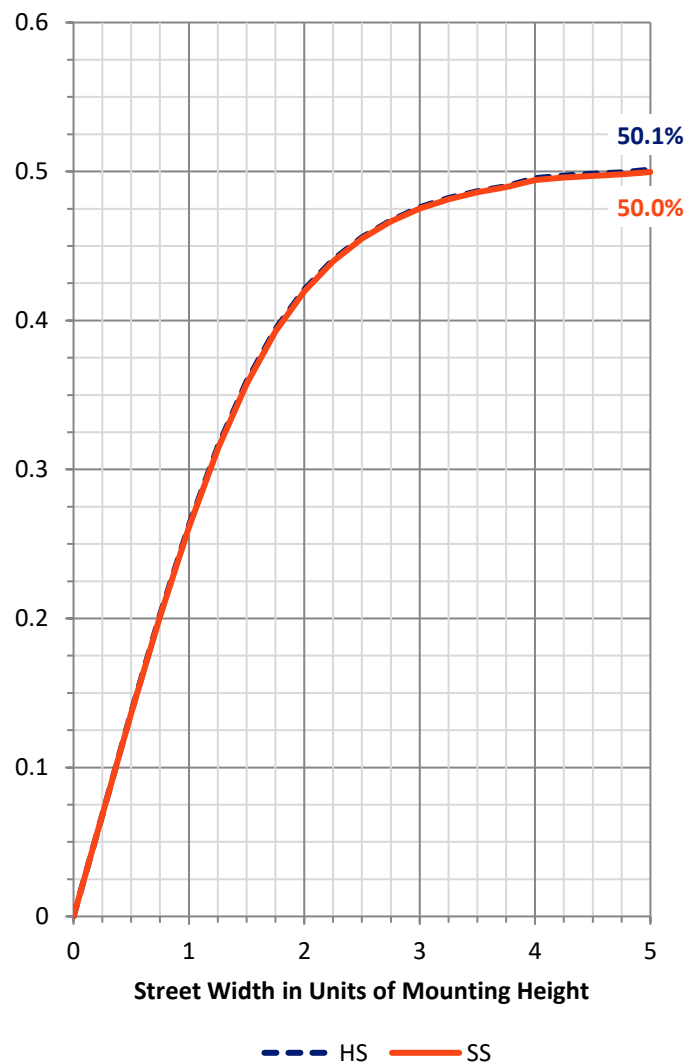
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2278.0	0.0	2278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2278.0	0.0	2278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4556.0	0.0	4556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	0.7
10°-20°	104.4	2.3
20°-30°	216.8	4.8
30°-40°	400.5	8.8
40°-50°	703.5	15.4
50°-60°	1014.7	22.3
60°-70°	1241.8	27.3
70°-80°	790.2	17.3
80°-90°	53.5	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°	4556.0	100.0
0°-180°	4556.0	100.0

Coefficient of Utilization



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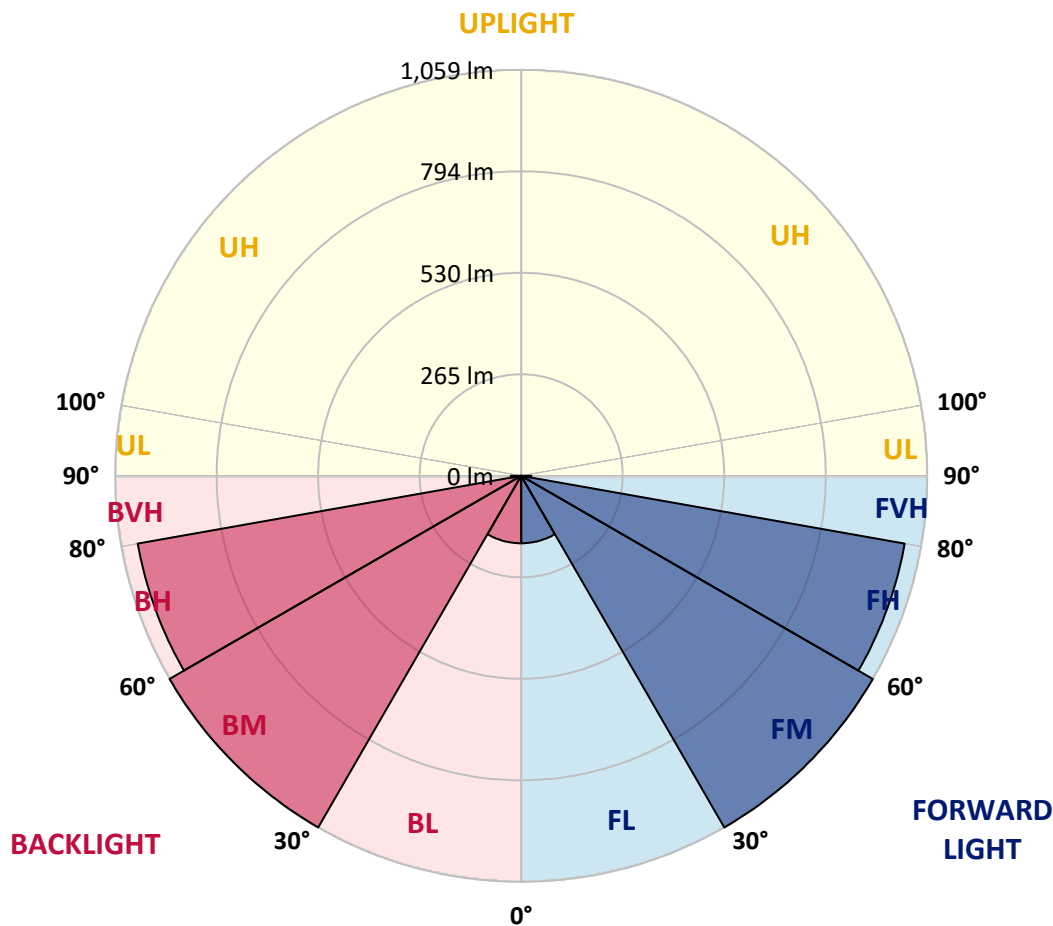
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.9	3.9			
FM	(30°-60°)	1059.3	23.3			
FH	(60°-80°)	1016.0	22.3			G1/1800
FVH	(80°-90°)	26.7	0.6			G1/100
BL	(0°-30°)	175.9	3.9	B1/500		
BM	(30°-60°)	1059.3	23.3	B2/2500		
BH	(60°-80°)	1016.0	22.3	B3/2500		G1/1800
BVH	(80°-90°)	26.7	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°	317.6	317.6	317.6	317.6	317.6	317.6	317.6	317.6	317.6	317.6	317.6
2.5°	321.8	321.8	321.0	321.0	319.3	318.4	317.6	317.6	316.7	316.7	315.9
5°	323.5	323.5	323.5	322.7	321.8	321.0	319.3	317.6	316.7	315.9	315.1
7.5°	324.4	324.4	323.5	323.5	322.7	321.8	319.3	316.7	315.9	315.1	315.1
10°	331.1	330.3	329.5	327.8	327.8	327.8	324.4	321.8	321.0	321.0	321.0
12.5°	347.2	346.4	344.7	342.2	342.2	343.0	337.9	334.5	334.5	333.7	333.7
15°	371.0	370.1	368.4	364.2	363.3	365.0	357.4	354.0	354.0	354.0	353.2
17.5°	397.2	395.5	393.0	389.6	389.6	389.6	382.0	377.7	375.2	375.2	374.3
20°	419.2	418.4	418.4	417.5	420.1	420.1	409.9	403.1	397.2	393.8	393.0
22.5°	438.7	437.9	439.6	442.9	448.0	449.7	437.9	427.7	418.4	411.6	409.9
25°	465.0	464.1	463.3	468.3	476.8	479.4	466.7	454.0	444.6	441.2	439.6
27.5°	492.9	493.8	494.6	499.7	506.5	510.7	498.0	486.1	478.5	473.4	471.7
30°	524.2	525.9	528.5	536.1	541.2	542.9	531.9	523.4	516.6	512.4	509.8
32.5°	564.1	567.4	570.8	577.6	580.1	578.4	573.4	567.4	562.4	556.4	555.6
35°	623.3	626.7	625.9	628.4	629.3	627.6	625.0	621.6	619.1	611.5	610.6
37.5°	697.9	701.3	696.2	693.6	687.7	688.5	687.7	690.2	691.1	683.5	682.6
40°	773.2	776.6	769.9	763.1	757.1	754.6	758.8	767.3	767.3	762.2	762.2
42.5°	853.7	856.2	845.2	836.8	829.1	827.4	830.0	840.1	842.7	841.8	841.8
45°	934.2	932.5	918.1	909.6	902.8	898.6	899.4	907.1	912.1	914.7	914.7
47.5°	996.0	993.4	981.6	974.8	970.6	964.6	964.6	968.9	971.4	972.3	972.3
50°	1045.1	1042.6	1030.7	1029.9	1029.9	1027.3	1024.8	1023.9	1022.2	1023.1	1023.1
52.5°	1087.4	1084.1	1075.6	1077.3	1084.9	1086.6	1083.2	1076.4	1069.7	1067.1	1068.0
55°	1133.2	1128.1	1121.3	1126.4	1141.7	1148.4	1143.3	1129.8	1117.9	1110.3	1110.3
57.5°	1169.6	1163.7	1163.7	1178.1	1206.0	1219.6	1208.6	1183.2	1162.8	1154.4	1155.2
60°	1144.2	1139.1	1159.4	1223.0	1275.5	1298.3	1279.7	1234.8	1201.8	1191.6	1193.3
62.5°	1094.2	1090.8	1116.2	1214.5	1338.1	1385.6	1357.6	1293.3	1244.1	1232.3	1232.3
65°	1020.5	1019.7	1055.3	1176.4	1352.5	1469.4	1445.7	1356.8	1293.3	1277.2	1280.5
67.5°	944.3	944.3	976.5	1111.2	1335.6	1505.0	1523.6	1414.4	1317.0	1277.2	1278.0
70°	809.7	824.1	909.6	1051.0	1273.8	1479.6	1555.8	1373.7	1213.6	1143.3	1140.8
72.5°	533.6	552.2	722.4	946.0	1212.8	1387.3	1404.2	1206.9	1007.8	925.7	921.5
75°	321.8	337.9	468.3	738.5	1066.3	1117.1	1042.6	946.0	752.9	688.5	688.5
77.5°	94.9	105.9	216.0	468.3	737.7	734.3	642.8	557.3	445.5	378.6	383.7
80°	55.9	57.6	70.3	213.4	305.7	321.8	248.1	155.0	155.0	115.2	111.8
82.5°	43.2	43.2	44.9	53.4	73.7	82.2	62.7	53.4	61.0	51.7	49.1
85°	30.5	30.5	30.5	31.3	32.2	33.0	34.7	35.6	39.0	32.2	30.5
87.5°	9.3	10.2	11.0	12.7	15.2	16.1	16.9	15.2	15.2	14.4	13.6
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)