

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: P798607

Luminaire Tested: **ARCH1-20-730-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P798607
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: ARCH1-20-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

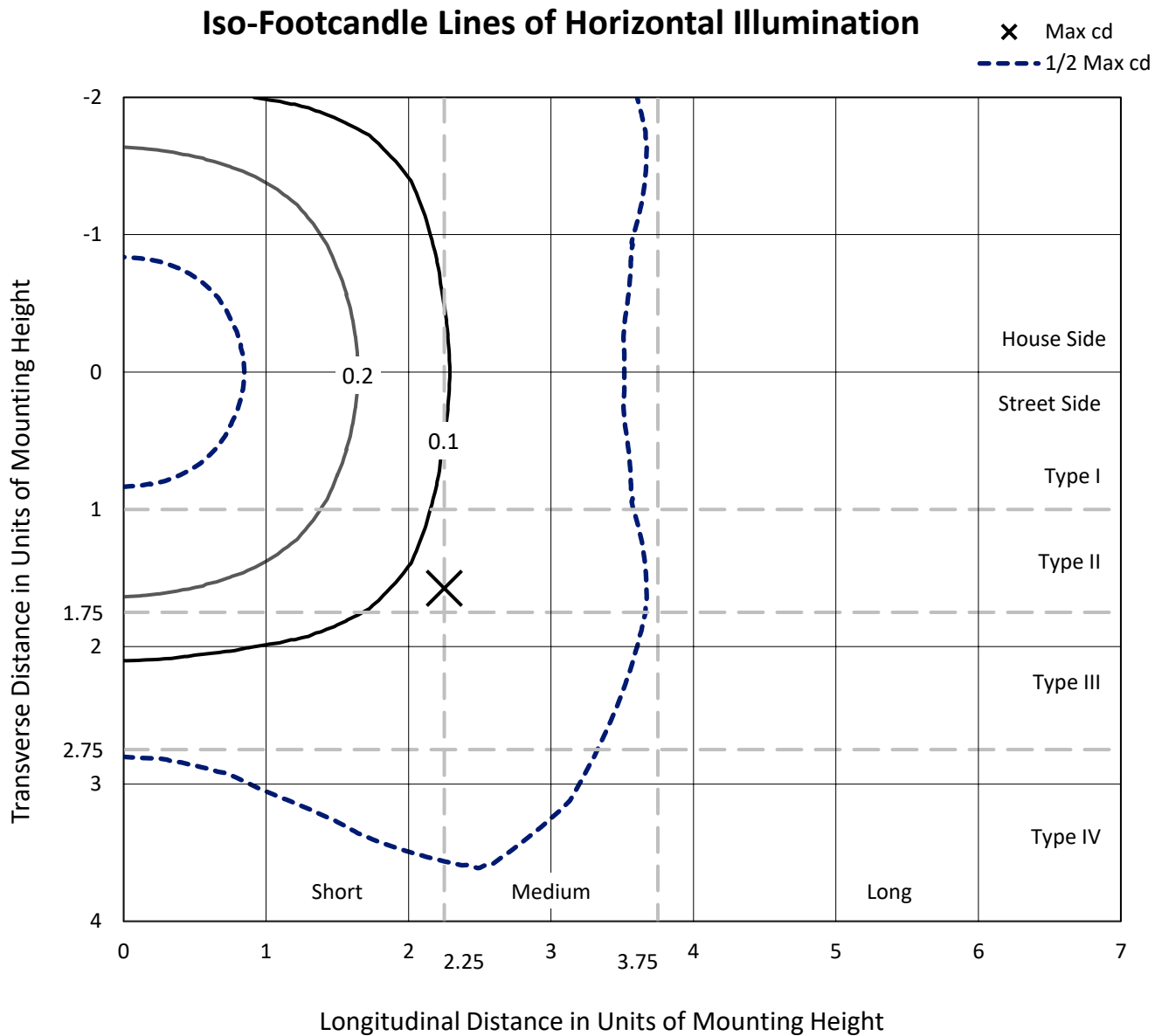
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3465 lumens
Efficiency: N/A
Efficacy: 147.4 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): 23.5
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

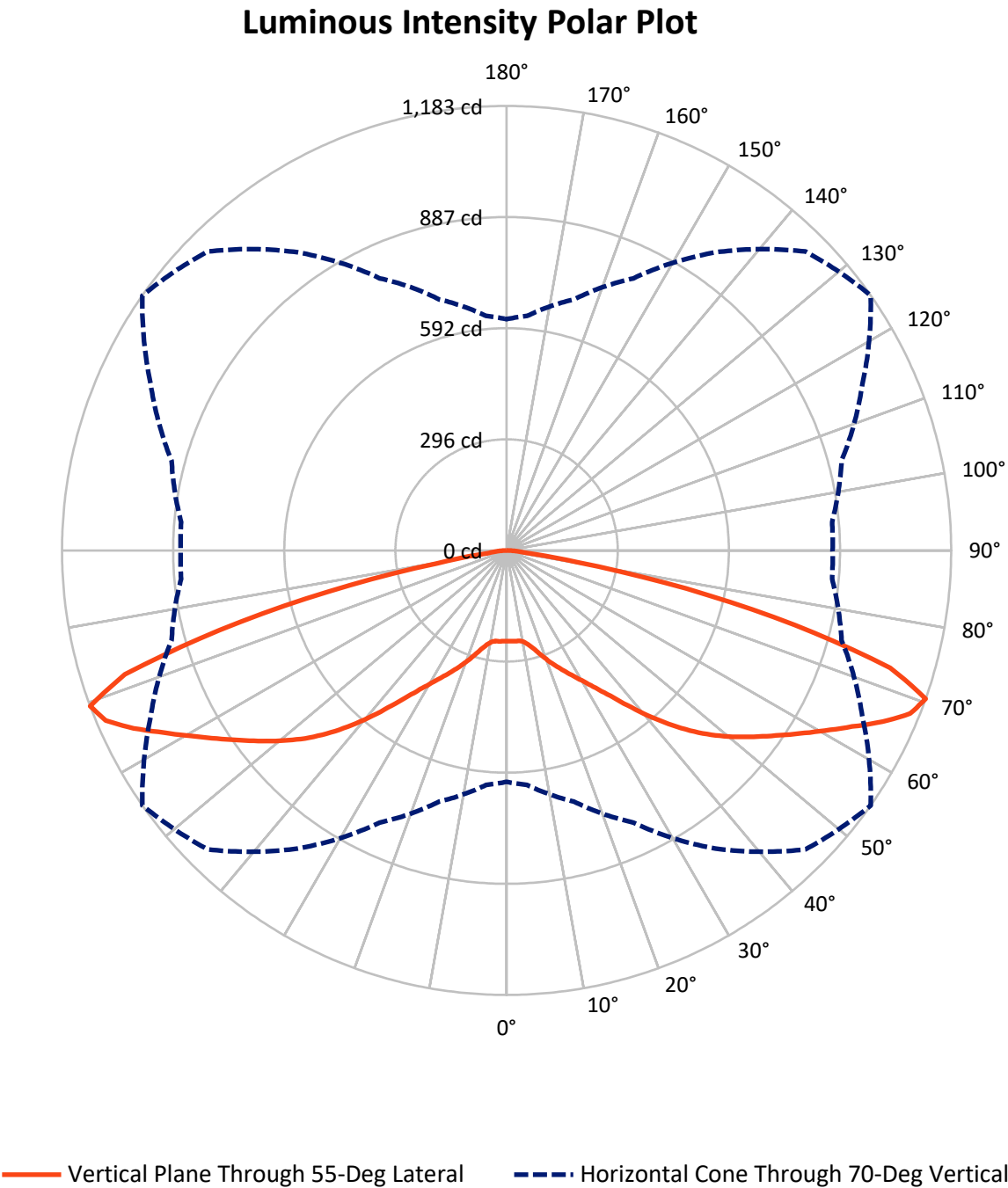


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Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
Type V - Medium - N/A

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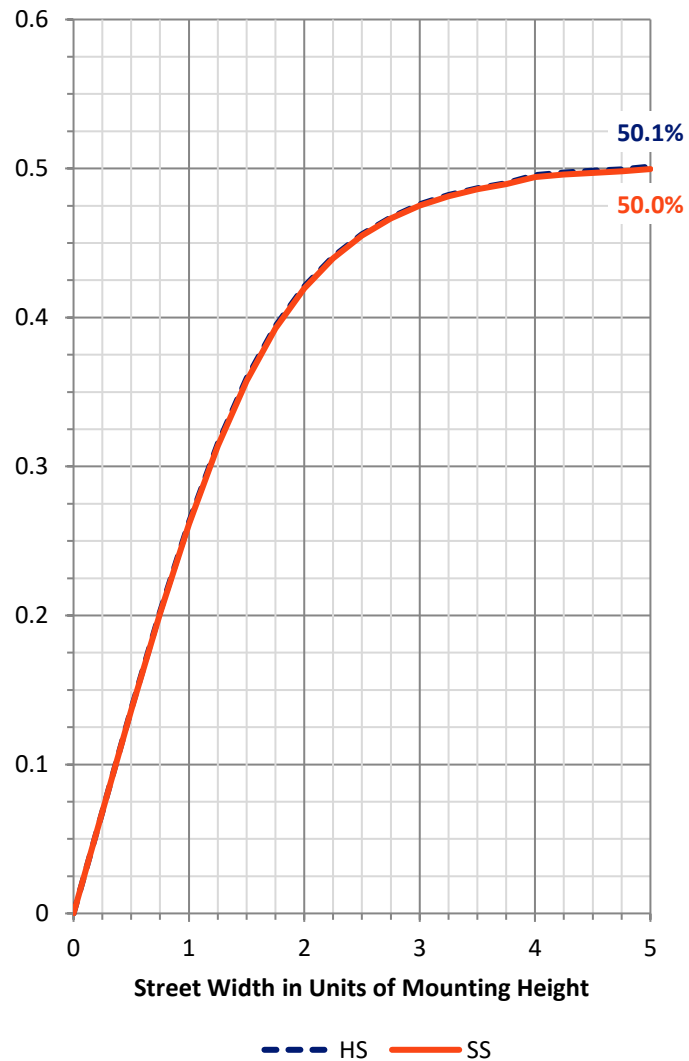
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1732.5	0.0	1732.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1732.5	0.0	1732.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3465.0	0.0	3465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.7
10°-20°	79.4	2.3
20°-30°	164.9	4.8
30°-40°	304.6	8.8
40°-50°	535.1	15.4
50°-60°	771.7	22.3
60°-70°	944.5	27.3
70°-80°	601.0	17.3
80°-90°	40.7	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°	3465.0	100.0
0°-180°	3465.0	100.0

Coefficient of Utilization



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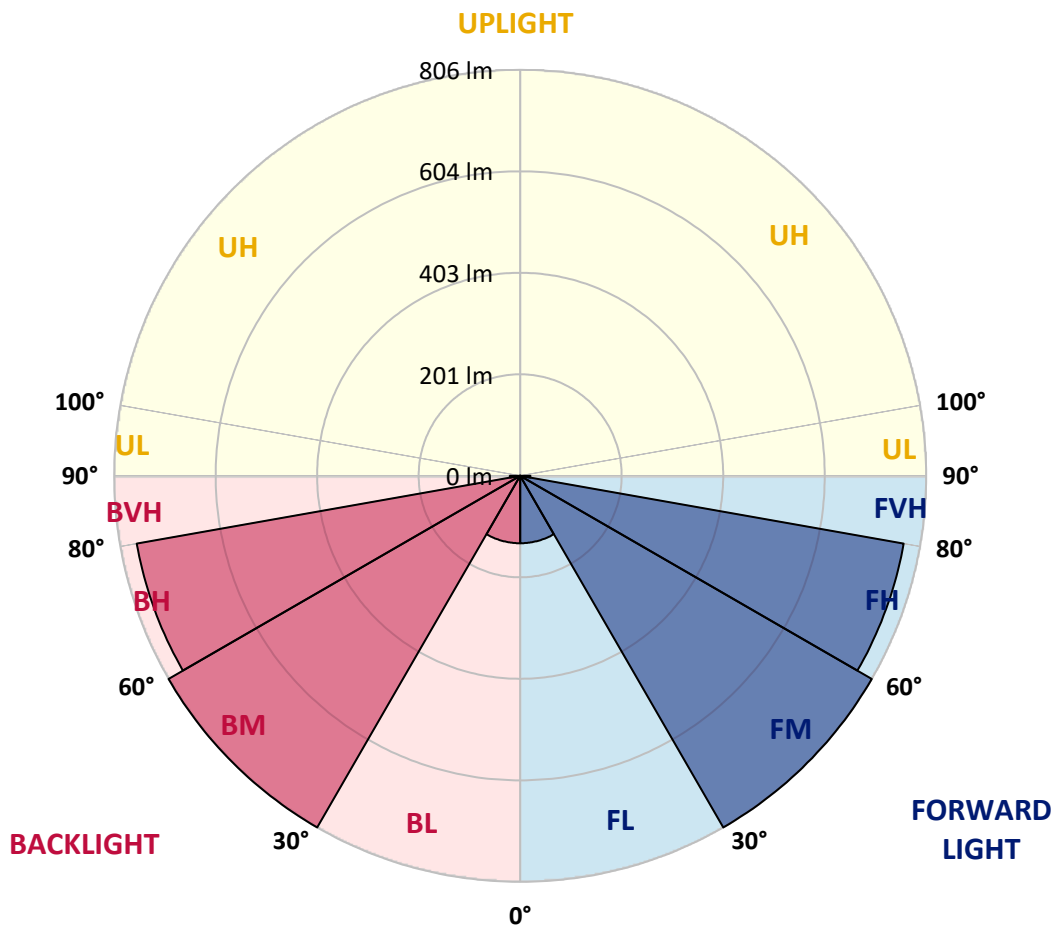
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.8	3.9			
FM	(30°-60°)	805.7	23.3			
FH	(60°-80°)	772.7	22.3			G1/1800
FVH	(80°-90°)	20.3	0.6			G1/100
BL	(0°-30°)	133.8	3.9	B1/500		
BM	(30°-60°)	805.7	23.3	B1/1000		
BH	(60°-80°)	772.7	22.3	B2/1000		G1/1800
BVH	(80°-90°)	20.3	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°	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5	241.5
2.5°	244.8	244.8	244.1	244.1	242.8	242.2	241.5	241.5	240.9	240.9	240.3
5°	246.1	246.1	246.1	245.4	244.8	244.1	242.8	241.5	240.9	240.3	239.6
7.5°	246.7	246.7	246.1	246.1	245.4	244.8	242.8	240.9	240.3	239.6	239.6
10°	251.8	251.2	250.6	249.3	249.3	249.3	246.7	244.8	244.1	244.1	244.1
12.5°	264.1	263.4	262.2	260.2	260.2	260.9	257.0	254.4	254.4	253.8	253.8
15°	282.1	281.5	280.2	277.0	276.3	277.6	271.8	269.2	269.2	269.2	268.6
17.5°	302.1	300.8	298.9	296.3	296.3	296.3	290.5	287.3	285.3	285.3	284.7
20°	318.8	318.2	318.2	317.5	319.5	319.5	311.8	306.6	302.1	299.5	298.9
22.5°	333.7	333.0	334.3	336.9	340.7	342.0	333.0	325.3	318.2	313.0	311.8
25°	353.6	353.0	352.3	356.2	362.6	364.6	354.9	345.2	338.2	335.6	334.3
27.5°	374.9	375.5	376.2	380.0	385.2	388.4	378.7	369.7	363.9	360.1	358.8
30°	398.7	400.0	401.9	407.7	411.6	412.9	404.5	398.1	392.9	389.7	387.8
32.5°	429.0	431.6	434.1	439.3	441.2	439.9	436.1	431.6	427.7	423.2	422.5
35°	474.1	476.6	476.0	477.9	478.6	477.3	475.4	472.8	470.8	465.1	464.4
37.5°	530.8	533.3	529.5	527.5	523.0	523.7	523.0	525.0	525.6	519.8	519.2
40°	588.1	590.7	585.5	580.3	575.8	573.9	577.1	583.6	583.6	579.7	579.7
42.5°	649.3	651.2	642.8	636.4	630.6	629.3	631.2	639.0	640.9	640.3	640.3
45°	710.5	709.2	698.2	691.8	686.6	683.4	684.1	689.8	693.7	695.6	695.6
47.5°	757.5	755.5	746.5	741.4	738.2	733.6	733.6	736.9	738.8	739.4	739.4
50°	794.8	792.9	783.9	783.2	783.2	781.3	779.4	778.7	777.4	778.1	778.1
52.5°	827.0	824.5	818.0	819.3	825.1	826.4	823.8	818.7	813.5	811.6	812.2
55°	861.8	858.0	852.8	856.7	868.3	873.4	869.6	859.2	850.2	844.4	844.4
57.5°	889.5	885.0	885.0	896.0	917.2	927.5	919.2	899.8	884.4	877.9	878.6
60°	870.2	866.3	881.8	930.1	970.0	987.4	973.3	939.1	914.0	906.3	907.6
62.5°	832.2	829.6	848.9	923.7	1017.7	1053.8	1032.5	983.6	946.2	937.2	937.2
65°	776.2	775.5	802.6	894.7	1028.7	1117.5	1099.5	1031.9	983.6	971.3	973.9
67.5°	718.2	718.2	742.7	845.1	1015.8	1144.6	1158.8	1075.7	1001.6	971.3	972.0
70°	615.8	626.7	691.8	799.3	968.7	1125.3	1183.2	1044.8	923.0	869.6	867.6
72.5°	405.8	420.0	549.4	719.5	922.4	1055.1	1067.9	917.9	766.5	704.0	700.8
75°	244.8	257.0	356.2	561.7	810.9	849.6	792.9	719.5	572.6	523.7	523.7
77.5°	72.1	80.5	164.2	356.2	561.0	558.4	488.9	423.8	338.8	287.9	291.8
80°	42.5	43.8	53.5	162.3	232.5	244.8	188.7	117.9	117.9	87.6	85.0
82.5°	32.8	32.8	34.1	40.6	56.0	62.5	47.7	40.6	46.4	39.3	37.4
85°	23.2	23.2	23.2	23.8	24.5	25.1	26.4	27.1	29.6	24.5	23.2
87.5°	7.1	7.7	8.4	9.7	11.6	12.2	12.9	11.6	11.6	10.9	10.3
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)