

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: P799551

Luminaire Tested: **ARCH2-30-750-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799551
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: ARCH2-30-750-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

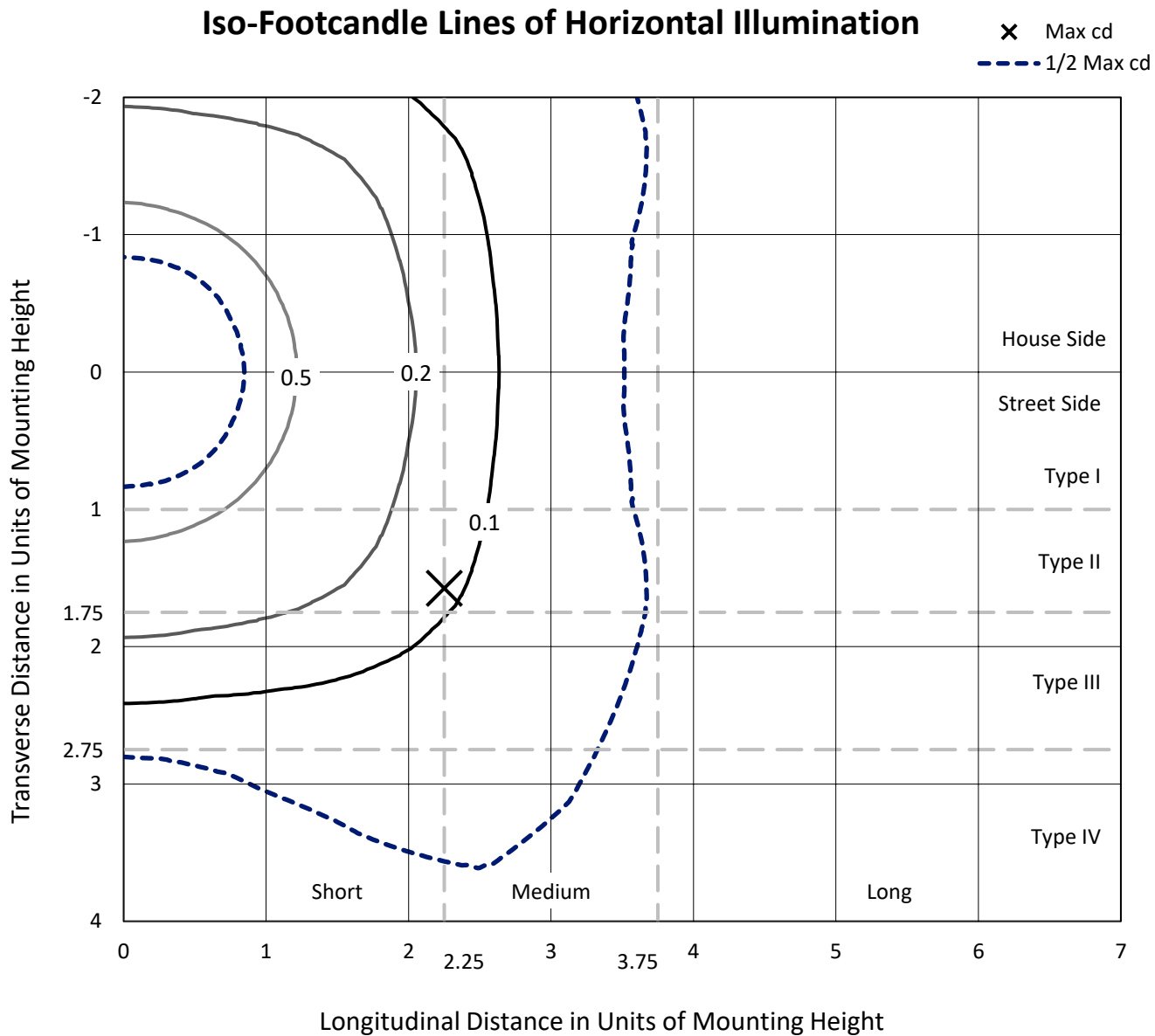
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5379 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - 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



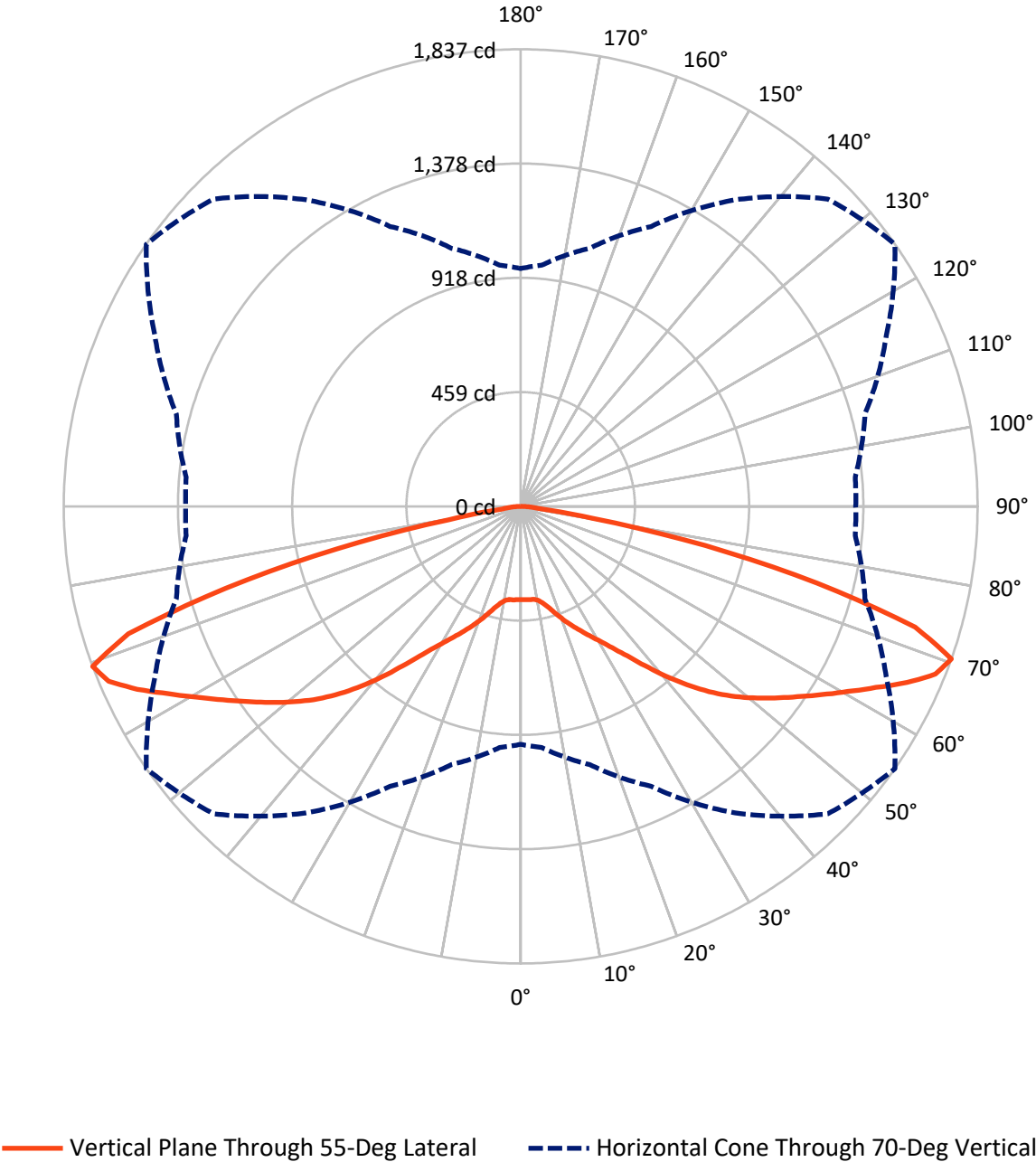
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Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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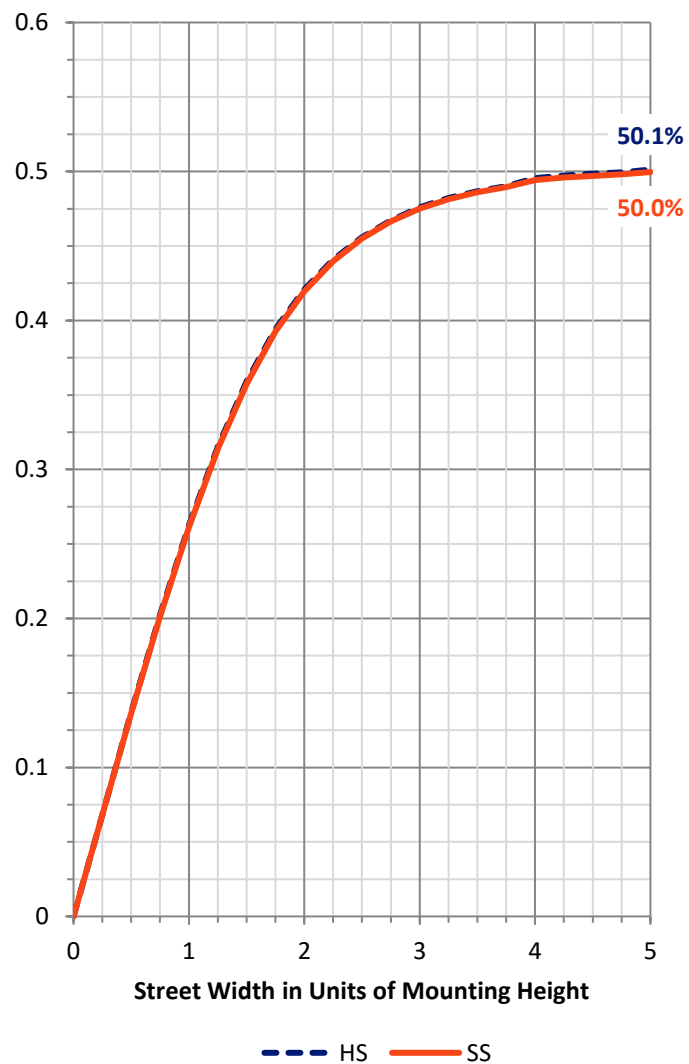
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2689.5	0.0	2689.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2689.5	0.0	2689.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5379.0	0.0	5379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	0.7
10°-20°	123.2	2.3
20°-30°	256.0	4.8
30°-40°	472.8	8.8
40°-50°	830.6	15.4
50°-60°	1198.0	22.3
60°-70°	1466.2	27.3
70°-80°	933.0	17.3
80°-90°	63.1	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°	5379.0	100.0
0°-180°	5379.0	100.0

Coefficient of Utilization



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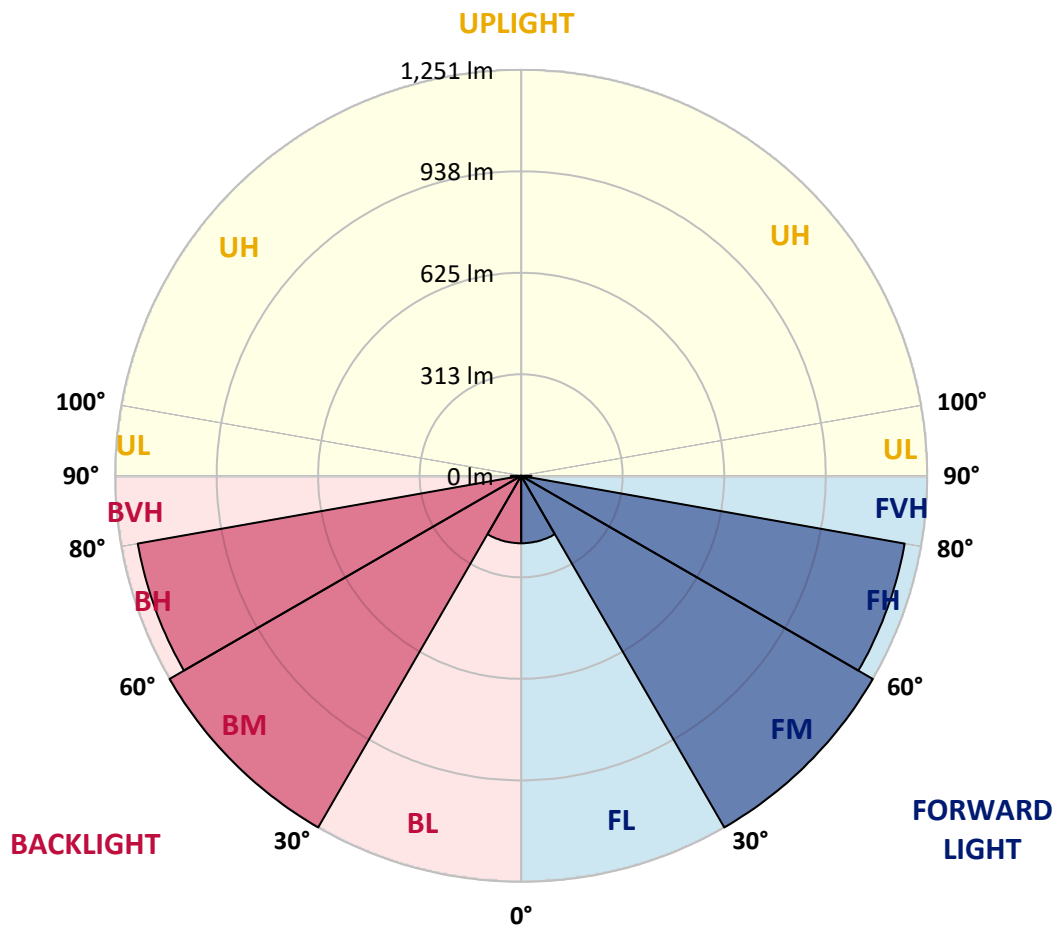
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.7	3.9			
FM	(30°-60°)	1250.7	23.3			
FH	(60°-80°)	1199.6	22.3			G1/1800
FVH	(80°-90°)	31.6	0.6			G1/100
BL	(0°-30°)	207.7	3.9	B1/500		
BM	(30°-60°)	1250.7	23.3	B2/2500		
BH	(60°-80°)	1199.6	22.3	B3/2500		G1/1800
BVH	(80°-90°)	31.6	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°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	380.0	380.0	379.0	379.0	377.0	376.0	375.0	375.0	374.0	374.0	373.0
5°	382.0	382.0	382.0	381.0	380.0	379.0	377.0	375.0	374.0	373.0	372.0
7.5°	383.0	383.0	382.0	382.0	381.0	380.0	377.0	374.0	373.0	372.0	372.0
10°	391.0	390.0	389.0	387.0	387.0	387.0	383.0	380.0	379.0	379.0	379.0
12.5°	410.0	409.0	407.0	404.0	404.0	405.0	399.0	395.0	395.0	394.0	394.0
15°	438.0	437.0	435.0	430.0	429.0	431.0	422.0	418.0	418.0	418.0	417.0
17.5°	469.0	467.0	464.0	460.0	460.0	460.0	451.0	446.0	443.0	443.0	442.0
20°	495.0	494.0	494.0	493.0	496.0	496.0	484.0	476.0	469.0	465.0	464.0
22.5°	518.0	517.0	519.0	523.0	529.0	531.0	517.0	505.0	494.0	486.0	484.0
25°	549.0	548.0	547.0	553.0	563.0	566.0	551.0	536.0	525.0	521.0	519.0
27.5°	581.9	582.9	583.9	589.9	597.9	602.9	587.9	573.9	565.0	559.0	557.0
30°	618.9	620.9	623.9	632.9	638.9	640.9	627.9	617.9	609.9	604.9	601.9
32.5°	665.9	669.9	673.9	681.9	684.9	682.9	676.9	669.9	663.9	656.9	655.9
35°	735.9	739.9	738.9	741.9	742.9	740.9	737.9	733.9	730.9	721.9	720.9
37.5°	823.9	827.9	821.9	818.9	811.9	812.9	811.9	814.9	815.9	806.9	805.9
40°	912.9	916.9	908.9	900.9	893.9	890.9	895.9	905.9	905.9	899.9	899.9
42.5°	1007.9	1010.9	997.9	987.9	978.9	976.9	979.9	991.9	994.9	993.9	993.9
45°	1102.9	1100.9	1083.9	1073.9	1065.9	1060.9	1061.9	1070.9	1076.9	1079.9	1079.9
47.5°	1175.9	1172.9	1158.9	1150.9	1145.9	1138.9	1138.9	1143.9	1146.9	1147.9	1147.9
50°	1233.9	1230.9	1216.9	1215.9	1215.9	1212.9	1209.9	1208.9	1206.9	1207.9	1207.9
52.5°	1283.9	1279.9	1269.9	1271.9	1280.9	1282.9	1278.9	1270.9	1262.9	1259.9	1260.9
55°	1337.9	1331.9	1323.9	1329.9	1347.9	1355.9	1349.9	1333.9	1319.9	1310.9	1310.9
57.5°	1380.9	1373.9	1373.9	1390.9	1423.9	1439.9	1426.9	1396.9	1372.9	1362.9	1363.9
60°	1350.9	1344.9	1368.9	1443.9	1505.9	1532.9	1510.9	1457.9	1418.9	1406.9	1408.9
62.5°	1291.9	1287.9	1317.9	1433.9	1579.9	1635.9	1602.9	1526.9	1468.9	1454.9	1454.9
65°	1204.9	1203.9	1245.9	1388.9	1596.9	1734.8	1706.8	1601.9	1526.9	1507.9	1511.9
67.5°	1114.9	1114.9	1152.9	1311.9	1576.9	1776.8	1798.8	1669.9	1554.9	1507.9	1508.9
70°	955.9	972.9	1073.9	1240.9	1503.9	1746.8	1836.8	1621.9	1432.9	1349.9	1346.9
72.5°	629.9	651.9	852.9	1116.9	1431.9	1637.9	1657.9	1424.9	1189.9	1092.9	1087.9
75°	380.0	399.0	553.0	871.9	1258.9	1318.9	1230.9	1116.9	888.9	812.9	812.9
77.5°	112.0	125.0	255.0	553.0	870.9	866.9	758.9	657.9	526.0	447.0	453.0
80°	66.0	68.0	83.0	252.0	361.0	380.0	293.0	183.0	183.0	136.0	132.0
82.5°	51.0	51.0	53.0	63.0	87.0	97.0	74.0	63.0	72.0	61.0	58.0
85°	36.0	36.0	36.0	37.0	38.0	39.0	41.0	42.0	46.0	38.0	36.0
87.5°	11.0	12.0	13.0	15.0	18.0	19.0	20.0	18.0	18.0	17.0	16.0
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)