

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: P799503

Luminaire Tested: **ARCH2-30-730-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799503
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: ARCH2-30-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

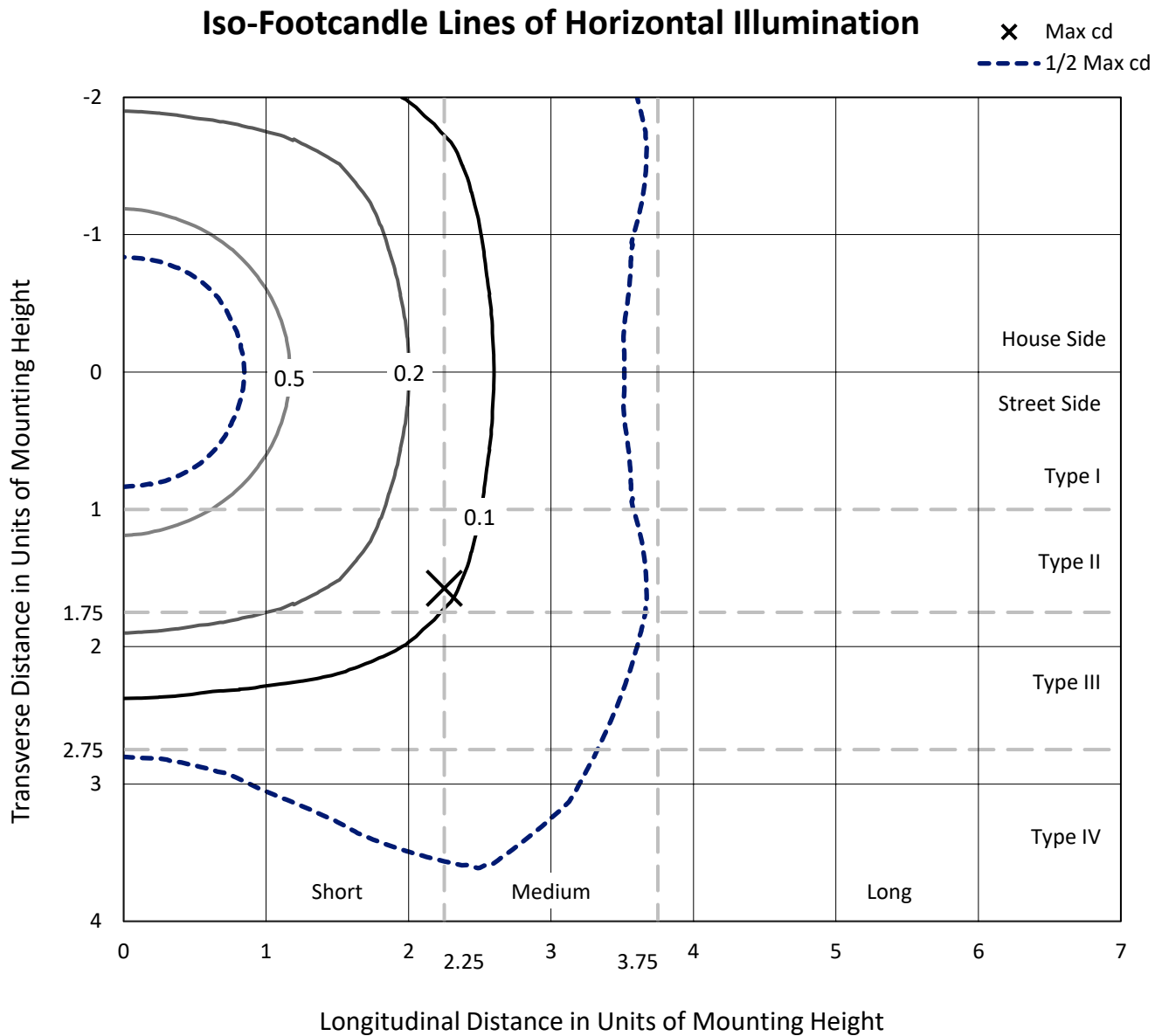
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5123 lumens
Efficiency: N/A
Efficacy: 148.9 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

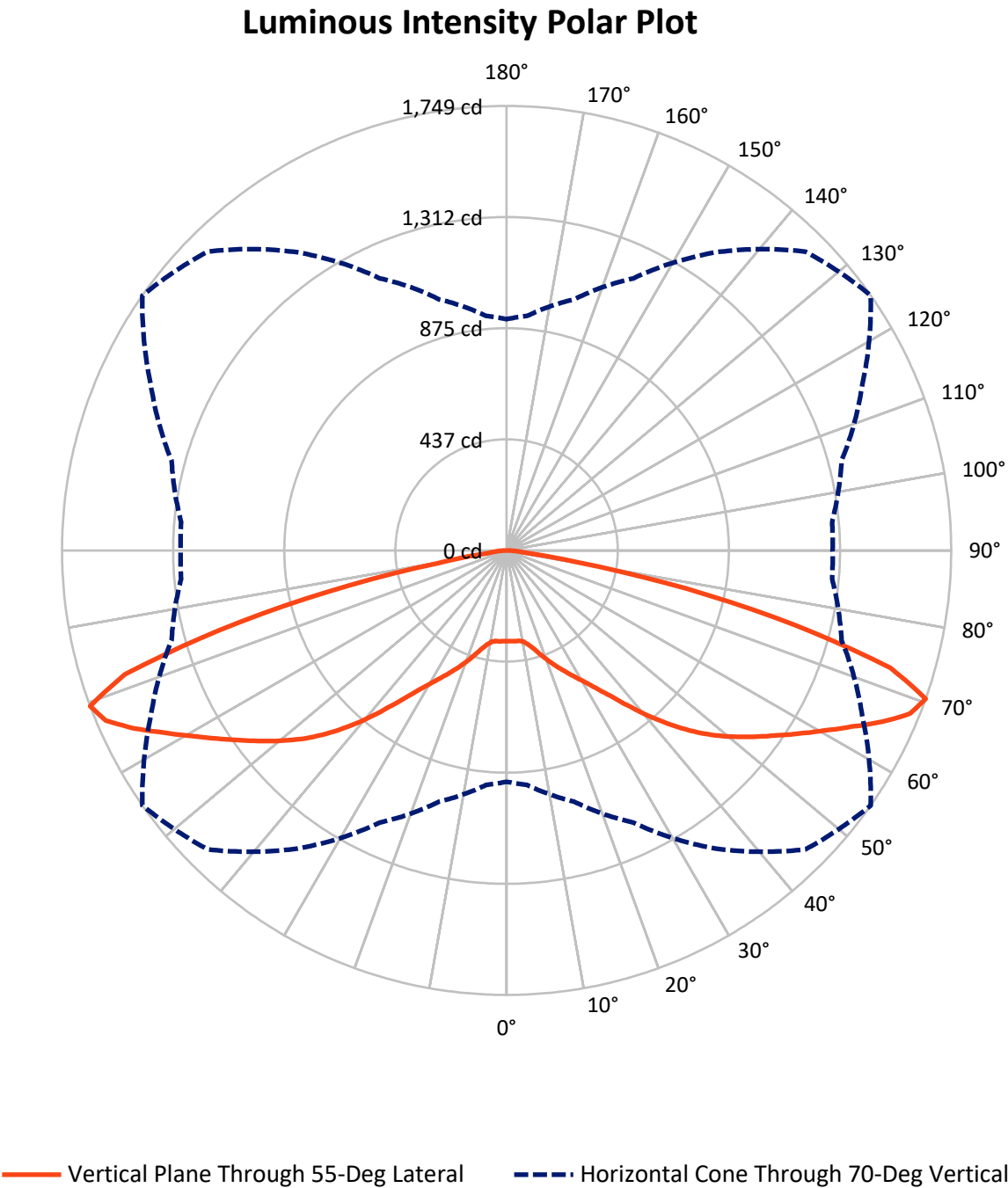


REPORT NUMBER: P799503
CATALOG NUMBER: ARCH2-30-730-U-5WQ



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

REPORT NUMBER: P799503
CATALOG NUMBER: ARCH2-30-730-U-5WQ



REPORT NUMBER: P799503

CATALOG NUMBER: ARCH2-30-730-U-5WQ

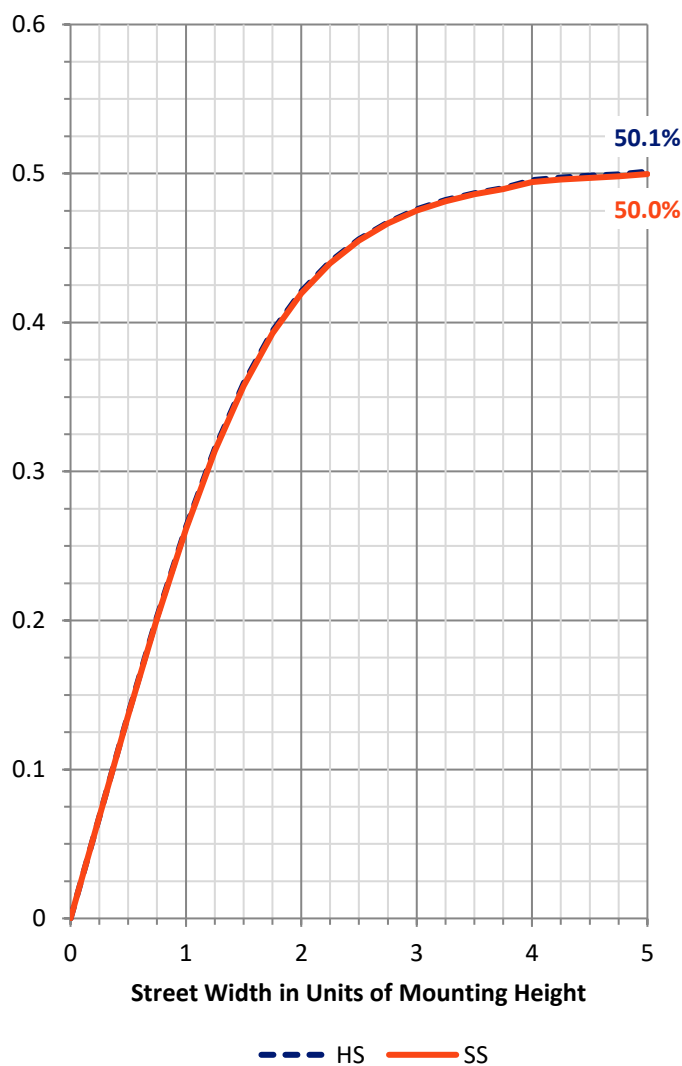
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2561.5	0.0	2561.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2561.5	0.0	2561.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5123.0	0.0	5123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.7
10°-20°	117.3	2.3
20°-30°	243.8	4.8
30°-40°	450.3	8.8
40°-50°	791.1	15.4
50°-60°	1140.9	22.3
60°-70°	1396.4	27.3
70°-80°	888.5	17.3
80°-90°	60.1	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°	5123.0	100.0
0°-180°	5123.0	100.0

Coefficient of Utilization



REPORT NUMBER: P799503

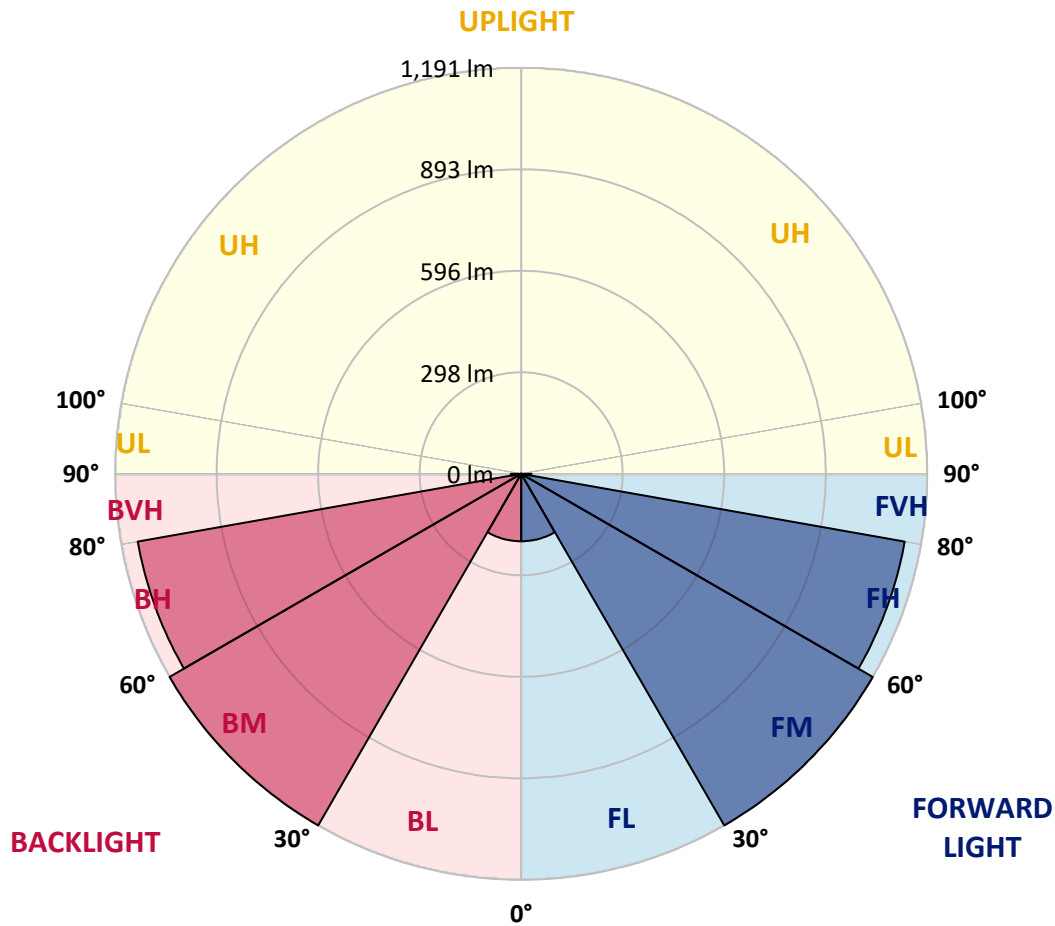
CATALOG NUMBER: ARCH2-30-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.8	3.9			
FM	(30°-60°)	1191.2	23.3			
FH	(60°-80°)	1142.5	22.3			G1/1800
FVH	(80°-90°)	30.1	0.6			G1/100
BL	(0°-30°)	197.8	3.9	B1/500		
BM	(30°-60°)	1191.2	23.3	B2/2500		
BH	(60°-80°)	1142.5	22.3	B3/2500		G1/1800
BVH	(80°-90°)	30.1	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



REPORT NUMBER: P799503

CATALOG NUMBER: ARCH2-30-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1
2.5°	361.9	361.9	360.9	360.9	359.0	358.1	357.1	357.1	356.2	356.2	355.2
5°	363.8	363.8	363.8	362.8	361.9	360.9	359.0	357.1	356.2	355.2	354.3
7.5°	364.7	364.7	363.8	363.8	362.8	361.9	359.0	356.2	355.2	354.3	354.3
10°	372.4	371.4	370.5	368.5	368.5	368.5	364.7	361.9	360.9	360.9	360.9
12.5°	390.5	389.5	387.6	384.7	384.7	385.7	380.0	376.2	376.2	375.2	375.2
15°	417.1	416.2	414.3	409.5	408.5	410.5	401.9	398.1	398.1	398.1	397.1
17.5°	446.6	444.7	441.9	438.1	438.1	438.1	429.5	424.7	421.9	421.9	420.9
20°	471.4	470.4	470.4	469.5	472.4	472.4	460.9	453.3	446.6	442.8	441.9
22.5°	493.3	492.4	494.3	498.1	503.8	505.7	492.4	480.9	470.4	462.8	460.9
25°	522.8	521.9	520.9	526.6	536.2	539.0	524.7	510.4	500.0	496.2	494.3
27.5°	554.3	555.2	556.2	561.9	569.5	574.3	560.0	546.6	538.1	532.3	530.4
30°	589.5	591.4	594.3	602.8	608.5	610.4	598.1	588.5	580.9	576.2	573.3
32.5°	634.2	638.1	641.9	649.5	652.3	650.4	644.7	638.1	632.3	625.7	624.7
35°	700.9	704.7	703.8	706.6	707.6	705.7	702.8	699.0	696.1	687.6	686.6
37.5°	784.7	788.5	782.8	780.0	773.3	774.2	773.3	776.1	777.1	768.5	767.6
40°	869.5	873.3	865.7	858.0	851.4	848.5	853.3	862.8	862.8	857.1	857.1
42.5°	959.9	962.8	950.4	940.9	932.3	930.4	933.3	944.7	947.6	946.6	946.6
45°	1050.4	1048.5	1032.3	1022.8	1015.2	1010.4	1011.4	1019.9	1025.7	1028.5	1028.5
47.5°	1119.9	1117.1	1103.7	1096.1	1091.4	1084.7	1084.7	1089.5	1092.3	1093.3	1093.3
50°	1175.2	1172.3	1159.0	1158.0	1158.0	1155.2	1152.3	1151.4	1149.5	1150.4	1150.4
52.5°	1222.8	1219.0	1209.5	1211.4	1219.9	1221.8	1218.0	1210.4	1202.8	1199.9	1200.9
55°	1274.2	1268.5	1260.9	1266.6	1283.7	1291.4	1285.6	1270.4	1257.1	1248.5	1248.5
57.5°	1315.2	1308.5	1308.5	1324.7	1356.1	1371.3	1359.0	1330.4	1307.5	1298.0	1299.0
60°	1286.6	1280.9	1303.7	1375.2	1434.2	1459.9	1439.0	1388.5	1351.3	1339.9	1341.8
62.5°	1230.4	1226.6	1255.2	1365.6	1504.7	1558.0	1526.6	1454.2	1399.0	1385.6	1385.6
65°	1147.6	1146.6	1186.6	1322.8	1520.9	1652.3	1625.6	1525.6	1454.2	1436.1	1439.9
67.5°	1061.8	1061.8	1098.0	1249.4	1501.8	1692.3	1713.2	1590.4	1480.9	1436.1	1437.1
70°	910.4	926.6	1022.8	1181.8	1432.3	1663.7	1749.4	1544.7	1364.7	1285.6	1282.8
72.5°	600.0	620.9	812.3	1063.7	1363.7	1559.9	1579.0	1357.1	1133.3	1040.9	1036.1
75°	361.9	380.0	526.6	830.4	1199.0	1256.1	1172.3	1063.7	846.6	774.2	774.2
77.5°	106.7	119.0	242.8	526.6	829.5	825.7	722.8	626.6	500.9	425.7	431.4
80°	62.9	64.8	79.0	240.0	343.8	361.9	279.0	174.3	174.3	129.5	125.7
82.5°	48.6	48.6	50.5	60.0	82.9	92.4	70.5	60.0	68.6	58.1	55.2
85°	34.3	34.3	34.3	35.2	36.2	37.1	39.0	40.0	43.8	36.2	34.3
87.5°	10.5	11.4	12.4	14.3	17.1	18.1	19.0	17.1	17.1	16.2	15.2
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)