

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: P799935

Luminaire Tested: **ARCH2-60-750-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799935
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: ARCH2-60-750-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9369 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

Input Watts (W): 63.8
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



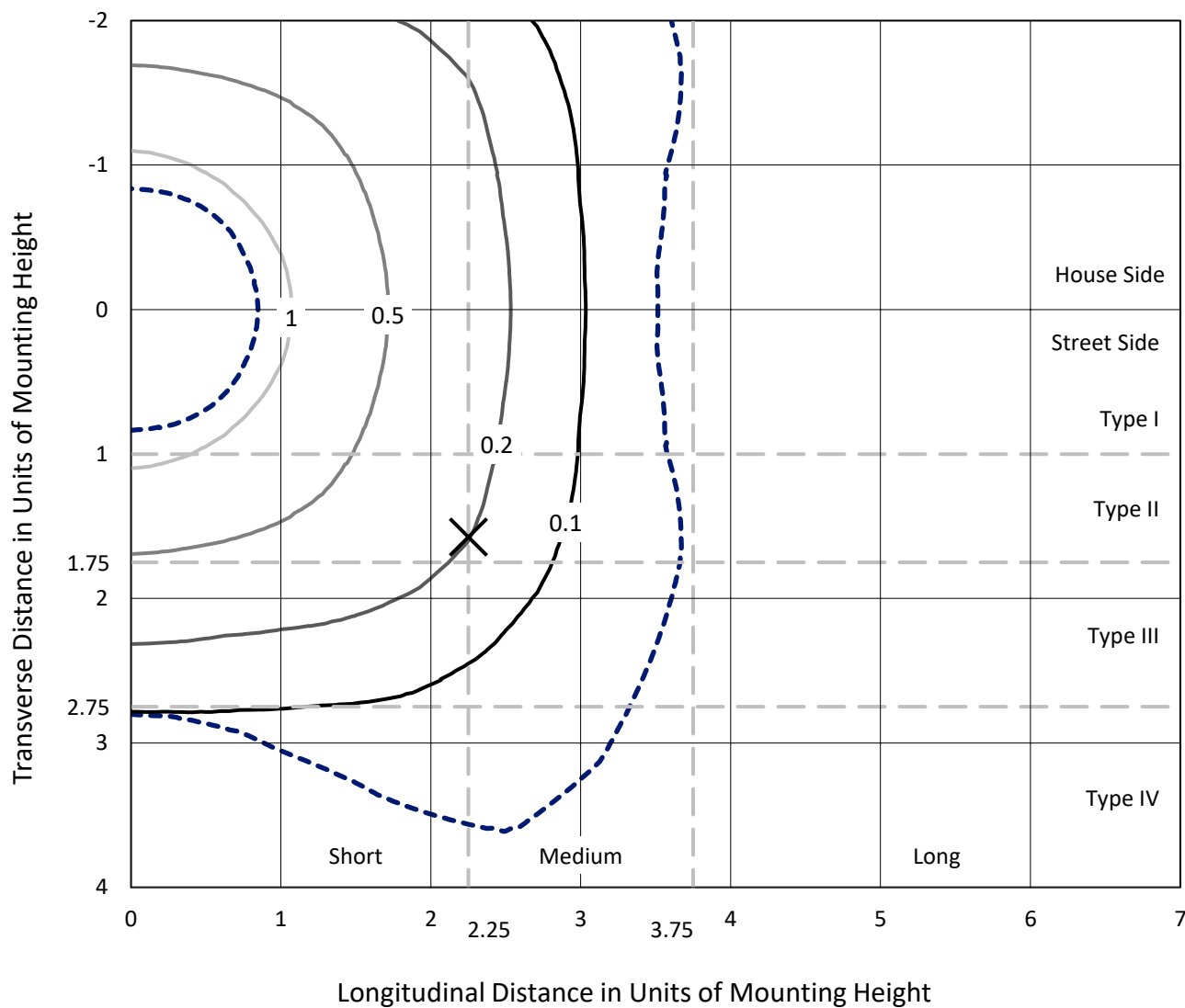
REPORT NUMBER: P799935

CATALOG NUMBER: ARCH2-60-750-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

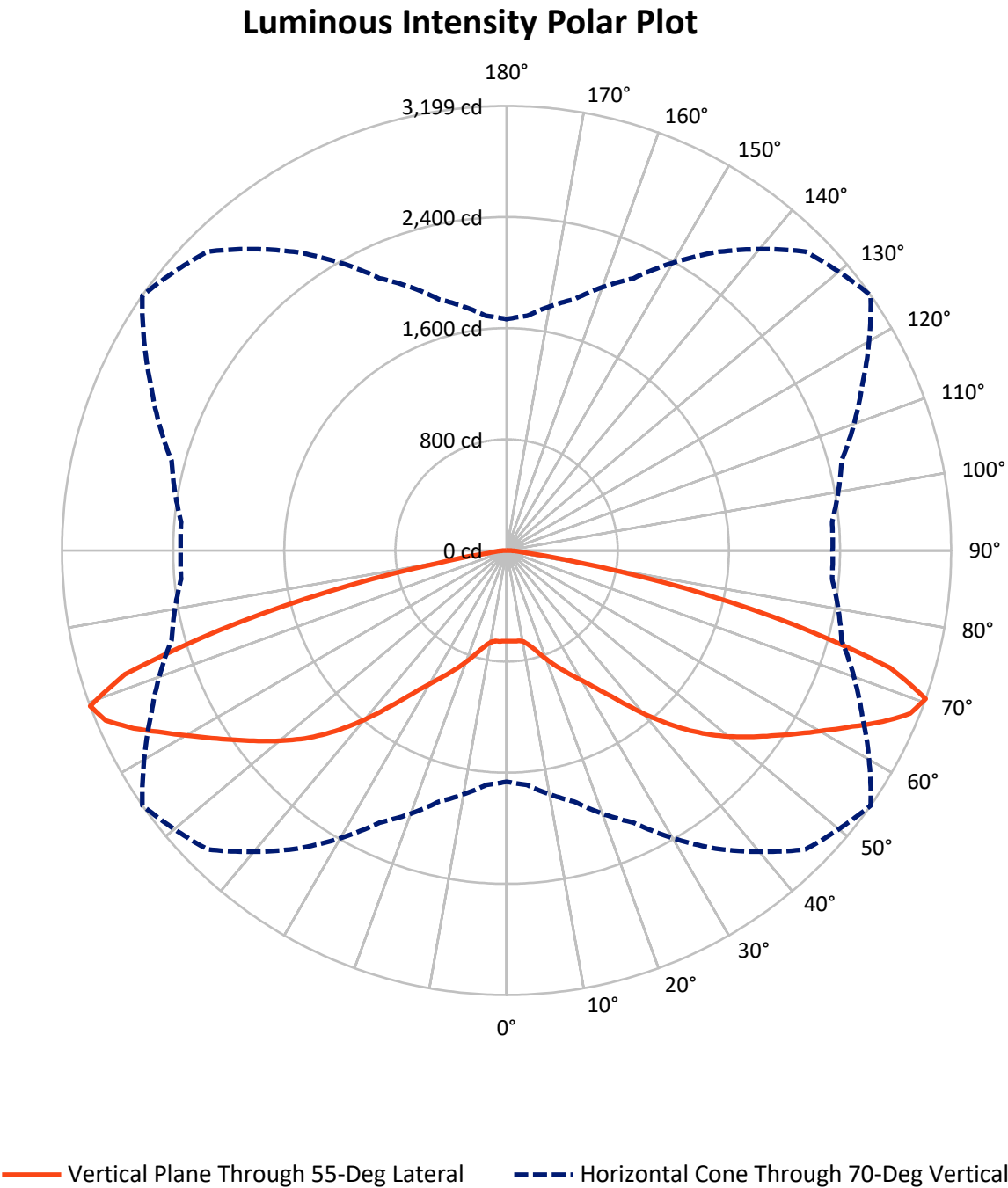
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type V - Medium - N/A

REPORT NUMBER: P799935
CATALOG NUMBER: ARCH2-60-750-U-5WQ



REPORT NUMBER: P799935

CATALOG NUMBER: ARCH2-60-750-U-5WQ

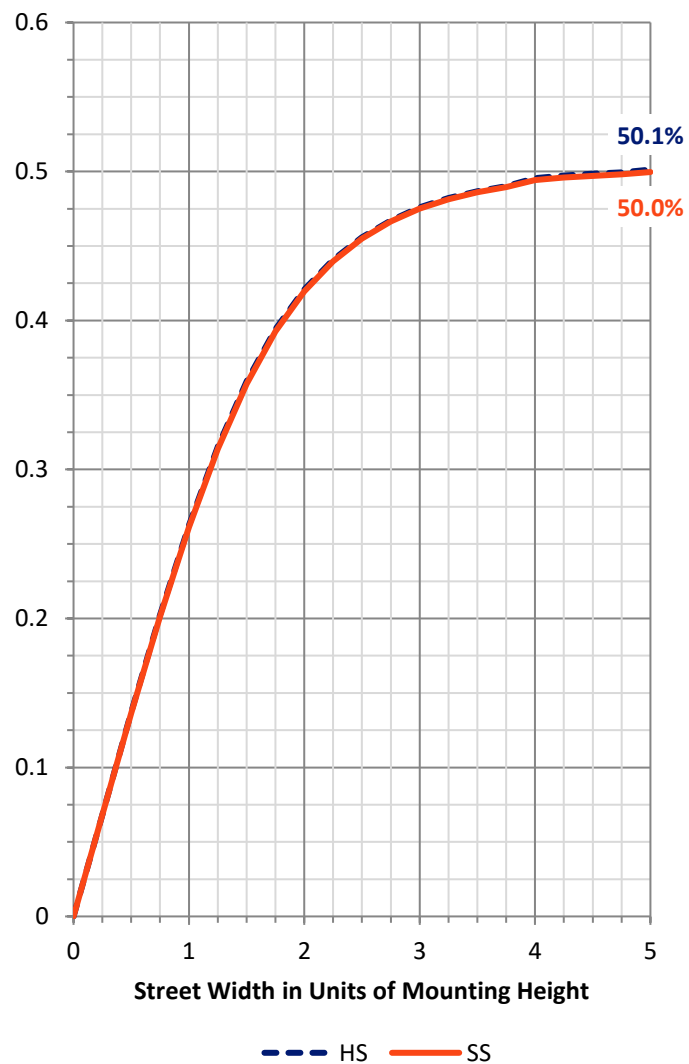
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4684.5	0.0	4684.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4684.5	0.0	4684.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9369.0	0.0	9369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	0.7
10°-20°	214.6	2.3
20°-30°	445.9	4.8
30°-40°	823.5	8.8
40°-50°	1446.7	15.4
50°-60°	2086.6	22.3
60°-70°	2553.7	27.3
70°-80°	1625.0	17.3
80°-90°	109.9	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°	9369.0	100.0
0°-180°	9369.0	100.0

Coefficient of Utilization



REPORT NUMBER: P799935

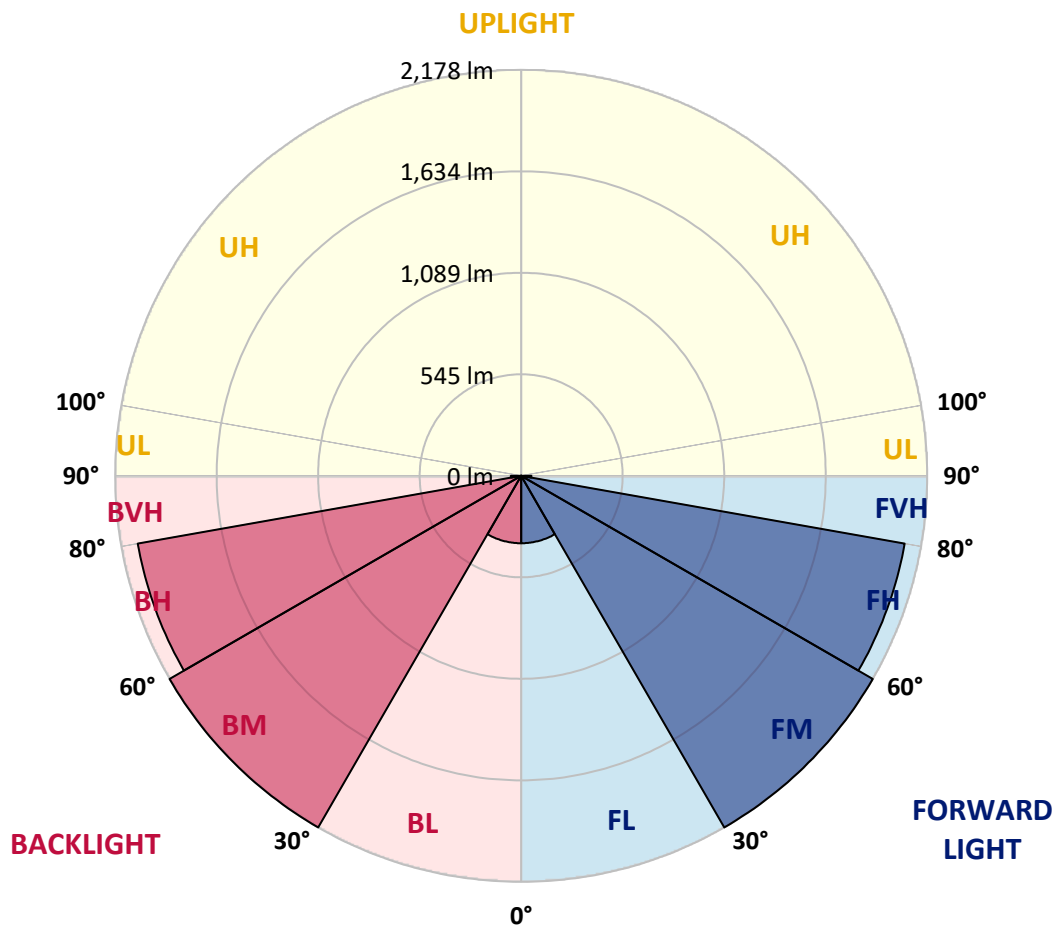
CATALOG NUMBER: ARCH2-60-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.8	3.9			
FM	(30°-60°)	2178.4	23.3			
FH	(60°-80°)	2089.4	22.3			G2/5000
FVH	(80°-90°)	55.0	0.6			G1/100
BL	(0°-30°)	361.8	3.9	B1/500		
BM	(30°-60°)	2178.4	23.3	B2/2500		
BH	(60°-80°)	2089.4	22.3	B3/2500		G2/5000
BVH	(80°-90°)	55.0	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-G2

Type V Medium



REPORT NUMBER: P799935

CATALOG NUMBER: ARCH2-60-750-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1
2.5°	661.8	661.8	660.1	660.1	656.6	654.8	653.1	653.1	651.4	651.4	649.6
5°	665.3	665.3	665.3	663.6	661.8	660.1	656.6	653.1	651.4	649.6	647.9
7.5°	667.0	667.0	665.3	665.3	663.6	661.8	656.6	651.4	649.6	647.9	647.9
10°	681.0	679.2	677.5	674.0	674.0	674.0	667.0	661.8	660.1	660.1	660.1
12.5°	714.1	712.3	708.8	703.6	703.6	705.4	694.9	687.9	687.9	686.2	686.2
15°	762.8	761.1	757.6	748.9	747.2	750.6	735.0	728.0	728.0	728.0	726.3
17.5°	816.8	813.3	808.1	801.1	801.1	801.1	785.5	776.8	771.5	771.5	769.8
20°	862.1	860.4	860.4	858.6	863.8	863.8	842.9	829.0	816.8	809.9	808.1
22.5°	902.2	900.4	903.9	910.9	921.3	924.8	900.4	879.5	860.4	846.4	842.9
25°	956.1	954.4	952.7	963.1	980.5	985.8	959.6	933.5	914.4	907.4	903.9
27.5°	1013.6	1015.4	1017.1	1027.6	1041.5	1050.2	1024.1	999.7	984.0	973.6	970.1
30°	1078.1	1081.5	1086.8	1102.4	1112.9	1116.4	1093.7	1076.3	1062.4	1053.7	1048.5
32.5°	1159.9	1166.9	1173.9	1187.8	1193.0	1189.5	1179.1	1166.9	1156.4	1144.2	1142.5
35°	1281.8	1288.8	1287.1	1292.3	1294.0	1290.5	1285.3	1278.3	1273.1	1257.4	1255.7
37.5°	1435.1	1442.1	1431.6	1426.4	1414.2	1415.9	1414.2	1419.4	1421.2	1405.5	1403.7
40°	1590.1	1597.1	1583.1	1569.2	1557.0	1551.8	1560.5	1577.9	1577.9	1567.5	1567.5
42.5°	1755.6	1760.8	1738.1	1720.7	1705.0	1701.6	1706.8	1727.7	1732.9	1731.2	1731.2
45°	1921.0	1917.5	1887.9	1870.5	1856.6	1847.9	1849.6	1865.3	1875.7	1881.0	1881.0
47.5°	2048.1	2042.9	2018.5	2004.6	1995.9	1983.7	1983.7	1992.4	1997.6	1999.4	1999.4
50°	2149.2	2143.9	2119.6	2117.8	2117.8	2112.6	2107.4	2105.6	2102.1	2103.9	2103.9
52.5°	2236.2	2229.3	2211.9	2215.3	2231.0	2234.5	2227.5	2213.6	2199.7	2194.4	2196.2
55°	2330.3	2319.8	2305.9	2316.4	2347.7	2361.6	2351.2	2323.3	2298.9	2283.3	2283.3
57.5°	2405.2	2393.0	2393.0	2422.6	2480.1	2507.9	2485.3	2433.0	2391.2	2373.8	2375.6
60°	2352.9	2342.5	2384.3	2514.9	2622.9	2669.9	2631.6	2539.3	2471.4	2450.5	2453.9
62.5°	2250.2	2243.2	2295.5	2497.5	2751.8	2849.3	2791.8	2659.5	2558.4	2534.1	2534.1
65°	2098.7	2096.9	2170.1	2419.1	2781.4	3021.7	2972.9	2790.1	2659.5	2626.4	2633.3
67.5°	1941.9	1941.9	2008.1	2285.0	2746.5	3094.9	3133.2	2908.5	2708.2	2626.4	2628.1
70°	1665.0	1694.6	1870.5	2161.4	2619.4	3042.6	3199.4	2824.9	2495.7	2351.2	2346.0
72.5°	1097.2	1135.5	1485.6	1945.4	2494.0	2852.8	2887.6	2481.8	2072.5	1903.6	1894.9
75°	661.8	694.9	963.1	1518.7	2192.7	2297.2	2143.9	1945.4	1548.3	1415.9	1415.9
77.5°	195.1	217.7	444.1	963.1	1517.0	1510.0	1321.9	1146.0	916.1	778.5	789.0
80°	114.9	118.4	144.6	438.9	628.7	661.8	510.3	318.7	318.7	236.9	229.9
82.5°	88.8	88.8	92.3	109.7	151.5	168.9	128.9	109.7	125.4	106.2	101.0
85°	62.7	62.7	62.7	64.4	66.2	67.9	71.4	73.1	80.1	66.2	62.7
87.5°	19.2	20.9	22.6	26.1	31.3	33.1	34.8	31.3	31.3	29.6	27.9
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)