

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: P836035

Luminaire Tested: **ARCH3-130-730-U-5WQ**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-130-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19070 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 132.6
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

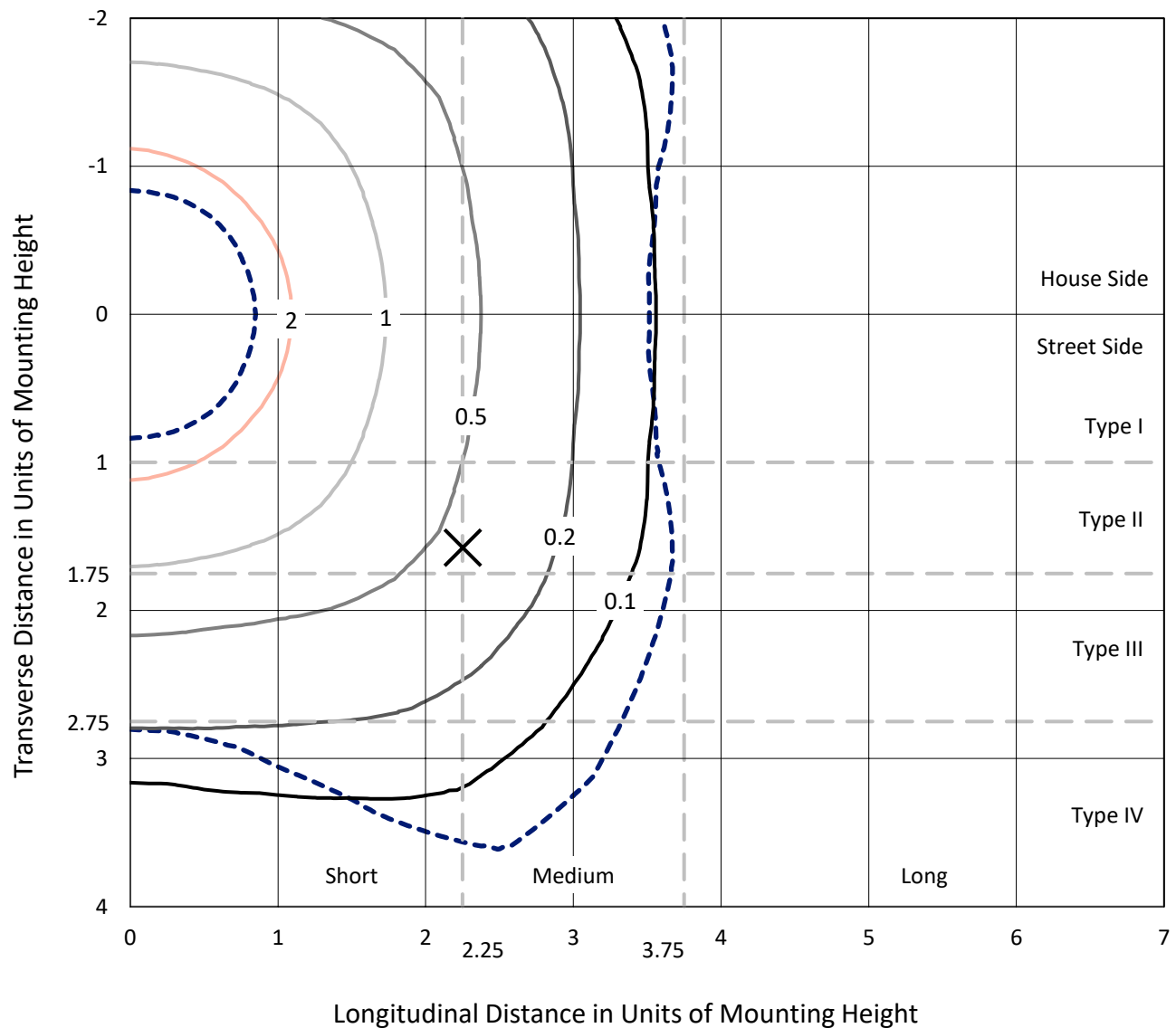


REPORT NUMBER: P836035

CATALOG NUMBER: ARCH3-130-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

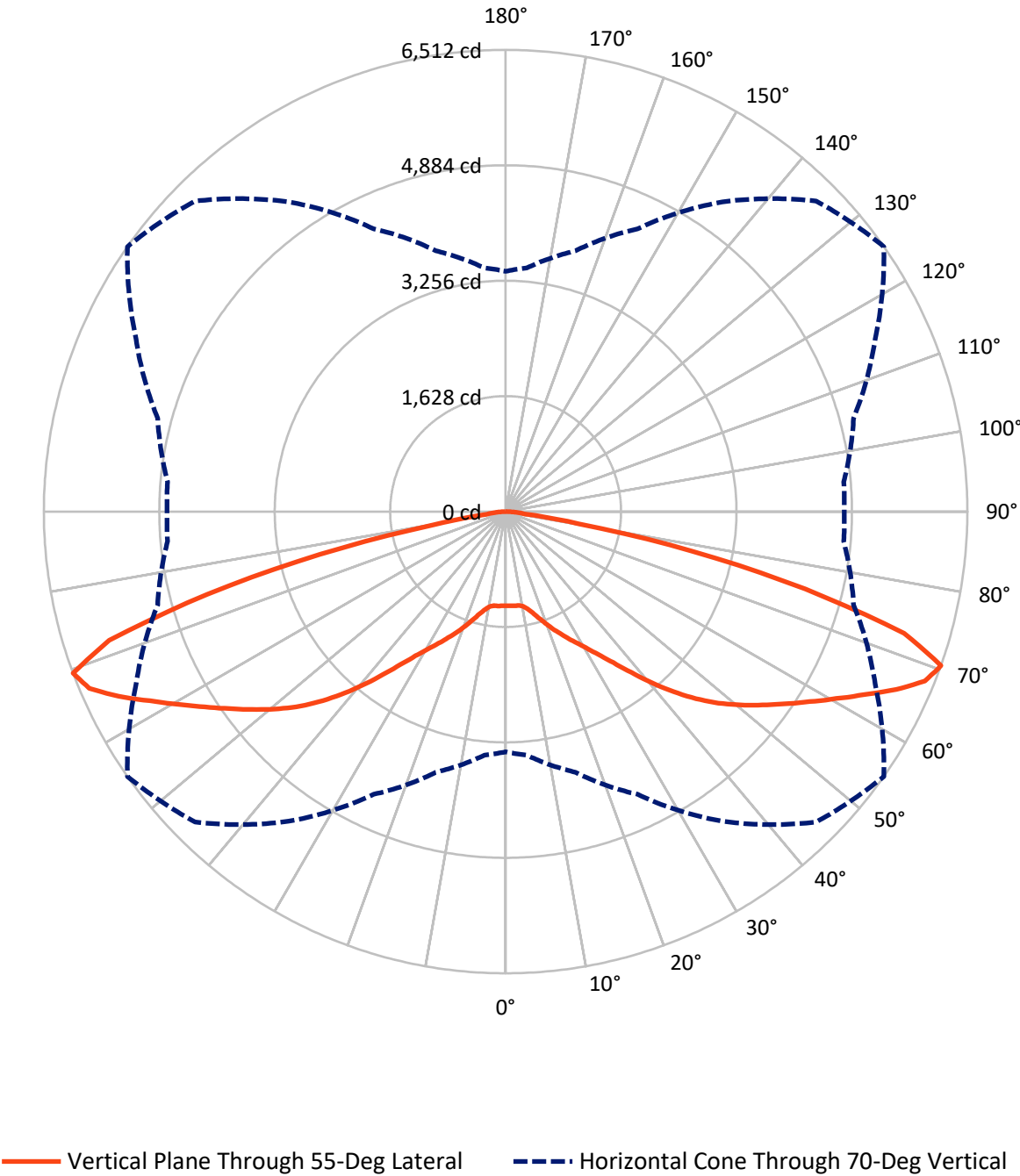
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Medium - N/A

REPORT NUMBER: P836035
CATALOG NUMBER: ARCH3-130-730-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P836035

CATALOG NUMBER: ARCH3-130-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9535.0	0.0	9535.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9535.0	0.0	9535.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19070.0	0.0	19070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	0.7
10°-20°	436.8	2.3
20°-30°	907.6	4.8
30°-40°	1676.2	8.8
40°-50°	2944.8	15.4
50°-60°	4247.0	22.3
60°-70°	5197.9	27.3
70°-80°	3307.5	17.3
80°-90°	223.8	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°	19070.0	100.0
0°-180°	19070.0	100.0

Coefficient of Utilization



REPORT NUMBER: P836035

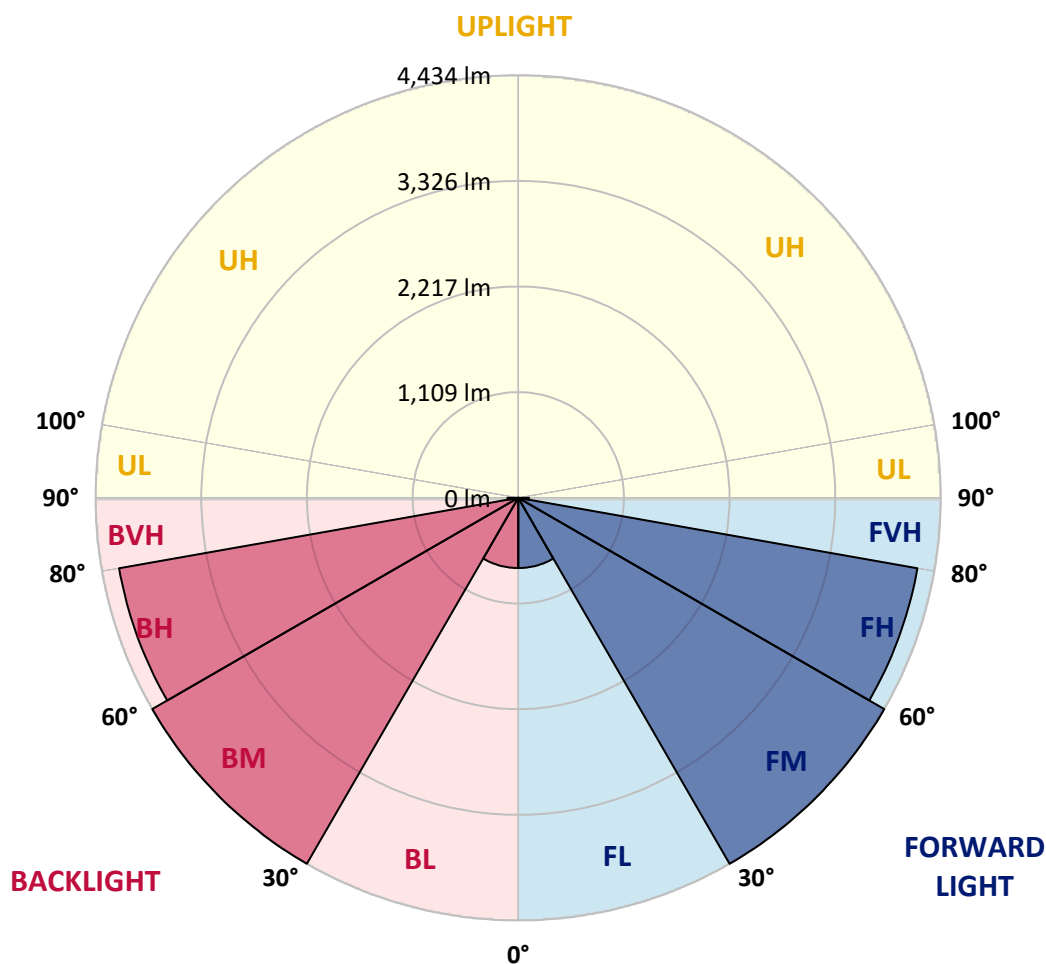
CATALOG NUMBER: ARCH3-130-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.3	3.9			
FM	(30°-60°)	4434.0	23.3			
FH	(60°-80°)	4252.7	22.3			G2/5000
FVH	(80°-90°)	111.9	0.6			G2/225
BL	(0°-30°)	736.3	3.9	B2/1000		
BM	(30°-60°)	4434.0	23.3	B3/5000		
BH	(60°-80°)	4252.7	22.3	B4/5000		G2/5000
BVH	(80°-90°)	111.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Medium



REPORT NUMBER: P836035

CATALOG NUMBER: ARCH3-130-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4
2.5°	1347.1	1347.1	1343.5	1343.5	1336.4	1332.9	1329.4	1329.4	1325.8	1325.8	1322.3
5°	1354.2	1354.2	1354.2	1350.6	1347.1	1343.5	1336.4	1329.4	1325.8	1322.3	1318.7
7.5°	1357.7	1357.7	1354.2	1354.2	1350.6	1347.1	1336.4	1325.8	1322.3	1318.7	1318.7
10°	1386.1	1382.5	1379.0	1371.9	1371.9	1371.9	1357.7	1347.1	1343.5	1343.5	1343.5
12.5°	1453.4	1449.9	1442.8	1432.2	1432.2	1435.7	1414.4	1400.3	1400.3	1396.7	1396.7
15°	1552.7	1549.1	1542.1	1524.3	1520.8	1527.9	1496.0	1481.8	1481.8	1481.8	1478.2
17.5°	1662.6	1655.5	1644.9	1630.7	1630.7	1630.7	1598.8	1581.1	1570.4	1570.4	1566.9
20°	1754.8	1751.2	1751.2	1747.7	1758.3	1758.3	1715.8	1687.4	1662.6	1648.4	1644.9
22.5°	1836.3	1832.7	1839.8	1854.0	1875.3	1882.4	1832.7	1790.2	1751.2	1722.8	1715.8
25°	1946.2	1942.6	1939.1	1960.4	1995.8	2006.4	1953.3	1900.1	1861.1	1846.9	1839.8
27.5°	2063.2	2066.7	2070.3	2091.5	2119.9	2137.6	2084.4	2034.8	2002.9	1981.6	1974.5
30°	2194.3	2201.4	2212.1	2244.0	2265.2	2272.3	2226.2	2190.8	2162.4	2144.7	2134.1
32.5°	2360.9	2375.1	2389.3	2417.7	2428.3	2421.2	2399.9	2375.1	2353.9	2329.0	2325.5
35°	2609.1	2623.3	2619.7	2630.4	2633.9	2626.8	2616.2	2602.0	2591.4	2559.5	2555.9
37.5°	2921.0	2935.2	2914.0	2903.3	2878.5	2882.1	2878.5	2889.1	2892.7	2860.8	2857.2
40°	3236.5	3250.7	3222.4	3194.0	3169.2	3158.6	3176.3	3211.7	3211.7	3190.5	3190.5
42.5°	3573.3	3584.0	3537.9	3502.4	3470.5	3463.4	3474.1	3516.6	3527.2	3523.7	3523.7
45°	3910.1	3903.0	3842.7	3807.3	3778.9	3761.2	3764.7	3796.6	3817.9	3828.6	3828.6
47.5°	4168.9	4158.2	4108.6	4080.2	4062.5	4037.7	4037.7	4055.4	4066.1	4069.6	4069.6
50°	4374.5	4363.8	4314.2	4310.7	4310.7	4300.0	4289.4	4285.9	4278.8	4282.3	4282.3
52.5°	4551.7	4537.5	4502.1	4509.2	4541.1	4548.2	4534.0	4505.6	4477.3	4466.6	4470.2
55°	4743.2	4721.9	4693.5	4714.8	4778.6	4807.0	4785.7	4729.0	4679.3	4647.4	4647.4
57.5°	4895.6	4870.8	4870.8	4931.0	5048.0	5104.7	5058.7	4952.3	4867.2	4831.8	4835.3
60°	4789.2	4768.0	4853.0	5118.9	5338.7	5434.4	5356.4	5168.5	5030.3	4987.8	4994.8
62.5°	4580.1	4565.9	4672.3	5083.5	5601.0	5799.5	5682.6	5413.1	5207.5	5157.9	5157.9
65°	4271.7	4268.1	4417.0	4923.9	5661.3	6150.5	6051.2	5679.0	5413.1	5345.8	5360.0
67.5°	3952.6	3952.6	4087.3	4651.0	5590.4	6299.4	6377.4	5920.1	5512.4	5345.8	5349.3
70°	3389.0	3449.2	3807.3	4399.3	5331.6	6193.0	6512.1	5749.9	5079.9	4785.7	4775.1
72.5°	2233.3	2311.3	3023.8	3959.7	5076.4	5806.6	5877.5	5051.6	4218.5	3874.6	3856.9
75°	1347.1	1414.4	1960.4	3091.2	4463.1	4675.8	4363.8	3959.7	3151.5	2882.1	2882.1
77.5°	397.0	443.1	904.0	1960.4	3087.7	3073.5	2690.6	2332.6	1864.6	1584.6	1605.9
80°	234.0	241.1	294.2	893.3	1279.7	1347.1	1038.7	648.7	648.7	482.1	467.9
82.5°	180.8	180.8	187.9	223.3	308.4	343.9	262.3	223.3	255.2	216.2	205.6
85°	127.6	127.6	127.6	131.2	134.7	138.3	145.3	148.9	163.1	134.7	127.6
87.5°	39.0	42.5	46.1	53.2	63.8	67.4	70.9	63.8	63.8	60.3	56.7
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)