

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: P479561

Luminaire Tested: **IFLD-S-SA3B-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479561
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

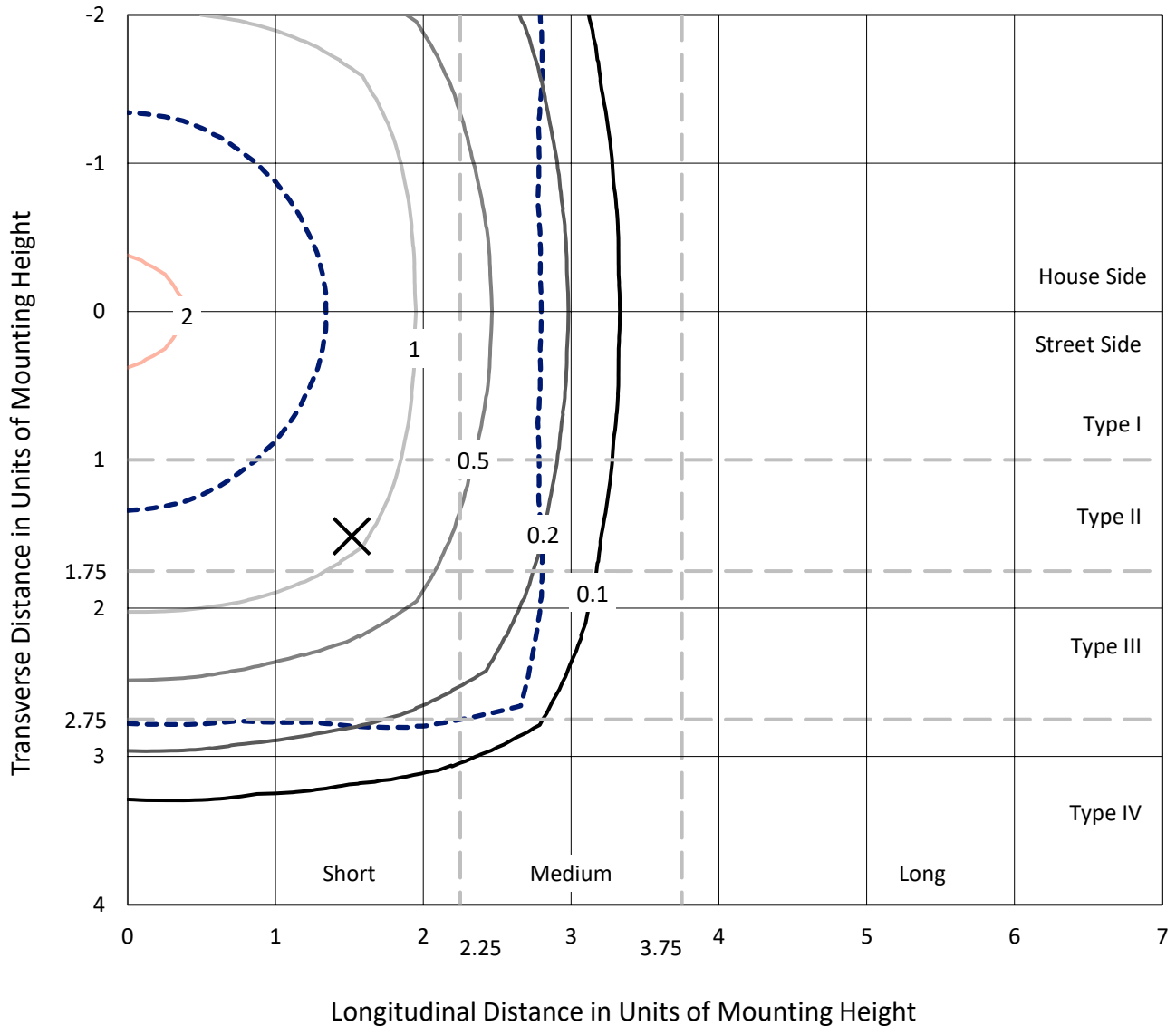
Lumens per Lamp: N/A
Luminaire Lumens: 12862.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 122.4
Input Voltage (V): 120
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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Iso-Footcandle Lines of Horizontal Illumination

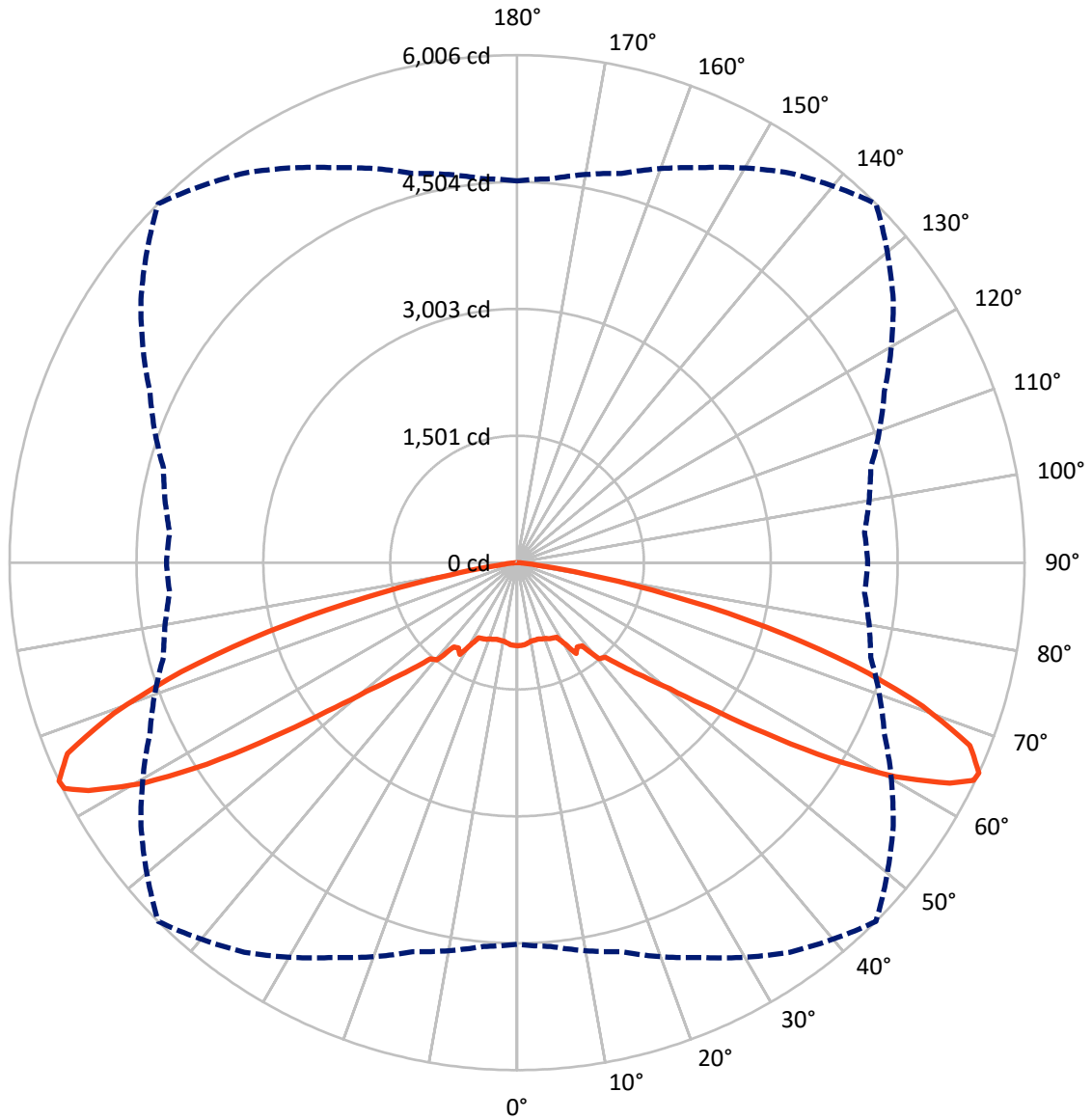
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6431.1	0.0	6431.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6431.1	0.0	6431.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12862.2	0.0	12862.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	0.7
10°-20°	271.1	2.1
20°-30°	469.2	3.6
30°-40°	780.2	6.1
40°-50°	1407.6	10.9
50°-60°	3135.8	24.4
60°-70°	4673.3	36.3
70°-80°	1936.7	15.1
80°-90°	95.9	0.7
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°	12862.2	100.0
0°-180°	12862.2	100.0

Coefficient of Utilization



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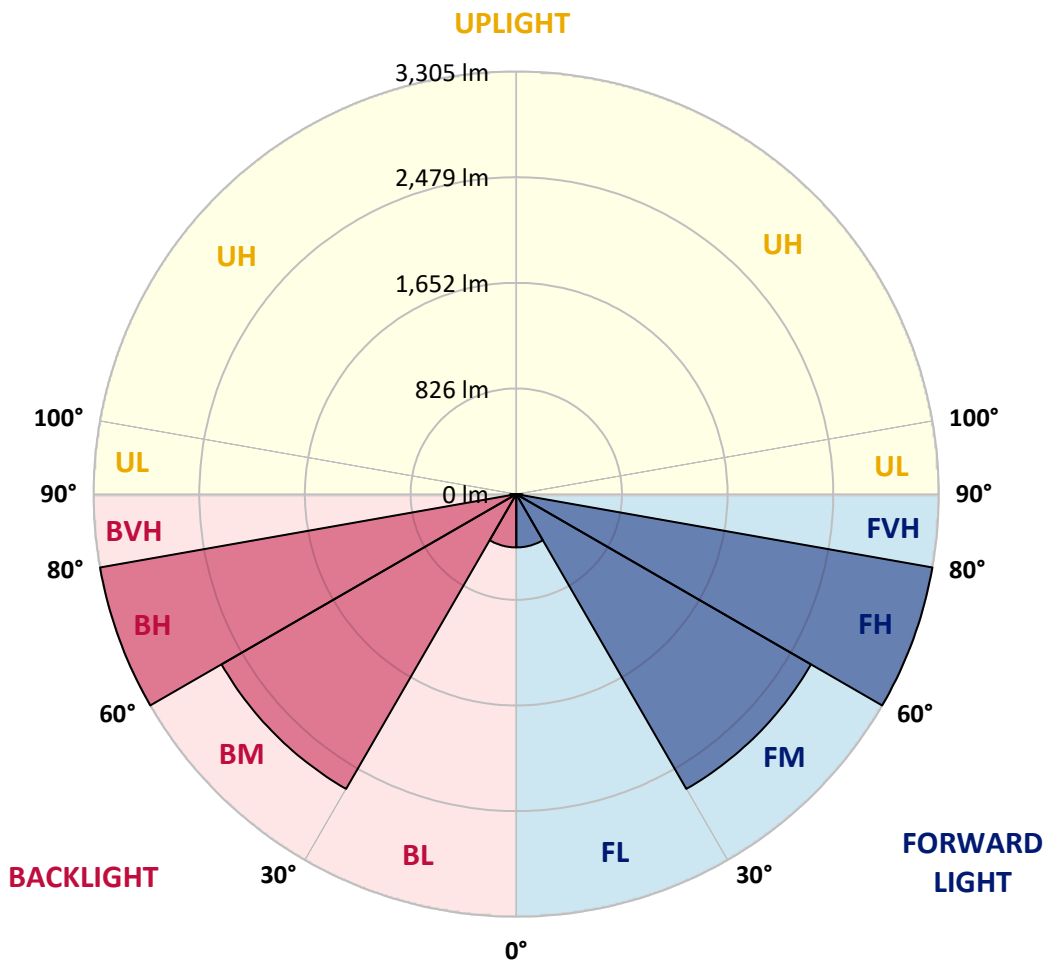
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.3	3.2			
FM (30°-60°)	2661.8	20.7			
FH (60°-80°)	3305.0	25.7			G2/5000
FVH (80°-90°)	48.0	0.4			G1/100
BL (0°-30°)	416.3	3.2	B1/500		
BM (30°-60°)	2661.8	20.7	B3/5000		
BH (60°-80°)	3305.0	25.7	B4/5000		G2/5000
BVH (80°-90°)	48.0	0.4			G1/100
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4
2.5°	972.0	974.9	973.4	973.4	977.7	980.5	982.0	996.2	990.5	994.8	990.5
5°	974.9	974.9	977.7	974.9	977.7	974.9	977.7	973.4	977.7	980.5	984.8
7.5°	969.2	966.3	962.1	962.1	960.7	957.8	953.5	964.9	959.2	963.5	970.6
10°	970.6	966.3	952.1	955.0	942.2	942.2	945.0	945.0	957.8	972.0	976.3
12.5°	970.6	962.1	957.8	939.3	939.3	940.8	947.9	950.7	959.2	964.9	979.1
15°	970.6	966.3	959.2	935.1	940.8	937.9	945.0	945.0	963.5	973.4	980.5
17.5°	976.3	979.1	966.3	943.6	945.0	950.7	946.4	950.7	973.4	980.5	990.5
20°	977.7	966.3	962.1	947.9	960.7	957.8	956.4	964.9	972.0	984.8	996.2
22.5°	974.9	979.1	962.1	960.7	972.0	977.7	980.5	970.6	979.1	987.7	997.6
25°	999.0	983.4	979.1	976.3	982.0	987.7	984.8	993.3	993.3	1003.3	1016.1
27.5°	1064.4	1065.8	1057.3	1023.2	1011.8	999.0	1004.7	1027.4	1054.4	1075.8	1080.0
30°	1094.2	1099.9	1122.7	1117.0	1112.7	1117.0	1115.6	1121.2	1124.1	1125.5	1121.2
32.5°	1121.2	1118.4	1108.4	1134.0	1217.9	1281.8	1220.7	1136.9	1118.4	1112.7	1118.4
35°	1219.3	1219.3	1198.0	1165.3	1209.3	1225.0	1196.6	1156.8	1179.5	1226.4	1229.2
37.5°	1345.8	1327.3	1335.8	1331.6	1283.2	1249.1	1298.9	1324.5	1328.7	1327.3	1341.5
40°	1421.1	1408.3	1395.5	1418.2	1462.3	1493.6	1449.5	1388.4	1404.0	1435.3	1422.5
42.5°	1593.0	1560.4	1563.2	1540.5	1539.0	1529.1	1519.1	1523.4	1546.1	1581.7	1587.4
45°	1769.3	1784.9	1774.9	1732.3	1752.2	1752.2	1723.8	1745.1	1756.5	1797.7	1803.4
47.5°	2044.9	2037.8	2042.1	2003.7	2002.3	2012.3	2002.3	2003.7	2039.3	2036.4	2020.8
50°	2367.5	2387.4	2393.1	2374.6	2351.9	2347.6	2332.0	2351.9	2373.2	2374.6	2361.8
52.5°	2813.7	2835.1	2835.1	2840.7	2869.2	2855.0	2852.1	2853.5	2812.3	2783.9	2798.1
55°	3376.5	3383.6	3407.8	3457.5	3544.2	3555.6	3501.6	3477.4	3402.1	3356.6	3392.1
57.5°	3932.1	3960.6	4027.4	4156.7	4263.3	4379.8	4223.5	4064.3	3916.5	3844.0	3856.8
60°	4394.0	4435.2	4563.1	4743.6	5039.2	5145.7	4881.4	4608.6	4308.7	4087.0	4176.6
62.5°	4611.4	4675.4	4783.4	5148.6	5592.0	5745.4	5357.5	4861.5	4406.8	4193.6	4189.4
64°	4612.8	4622.8	4838.8	5232.4	5688.6	5985.6	5472.6	4861.5	4430.9	4168.0	4216.4
65°	4517.6	4558.8	4767.7	5155.7	5627.5	6005.5	5432.8	4794.7	4331.5	4126.8	4149.6
67.5°	4085.6	4084.2	4277.5	4662.6	5317.7	5779.6	5094.6	4421.0	4085.6	3863.9	3890.9
70°	3099.4	3149.1	3333.9	3807.1	4601.5	5096.0	4455.1	3757.3	3339.5	3161.9	3152.0
72.5°	1854.5	1919.9	2155.8	2732.7	3574.0	4175.1	3535.7	2779.6	2276.6	1995.2	2002.3
75°	845.5	893.9	1055.9	1526.2	2381.7	3052.5	2395.9	1607.2	1152.5	973.4	947.9
77.5°	237.3	267.2	356.7	700.6	1307.4	1830.4	1344.3	774.5	503.1	417.8	409.3
80°	106.6	112.3	126.5	170.5	415.0	807.2	555.6	284.2	189.0	156.3	149.2
82.5°	58.3	62.5	82.4	88.1	118.0	214.6	183.3	133.6	113.7	90.9	88.1
85°	32.7	34.1	46.9	46.9	56.8	62.5	66.8	71.1	69.6	51.2	49.7
87.5°	9.9	11.4	14.2	14.2	14.2	14.2	22.7	31.3	34.1	24.2	24.2
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)