

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: P479815

Luminaire Tested: **IFLD-M-SA4B-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479815
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

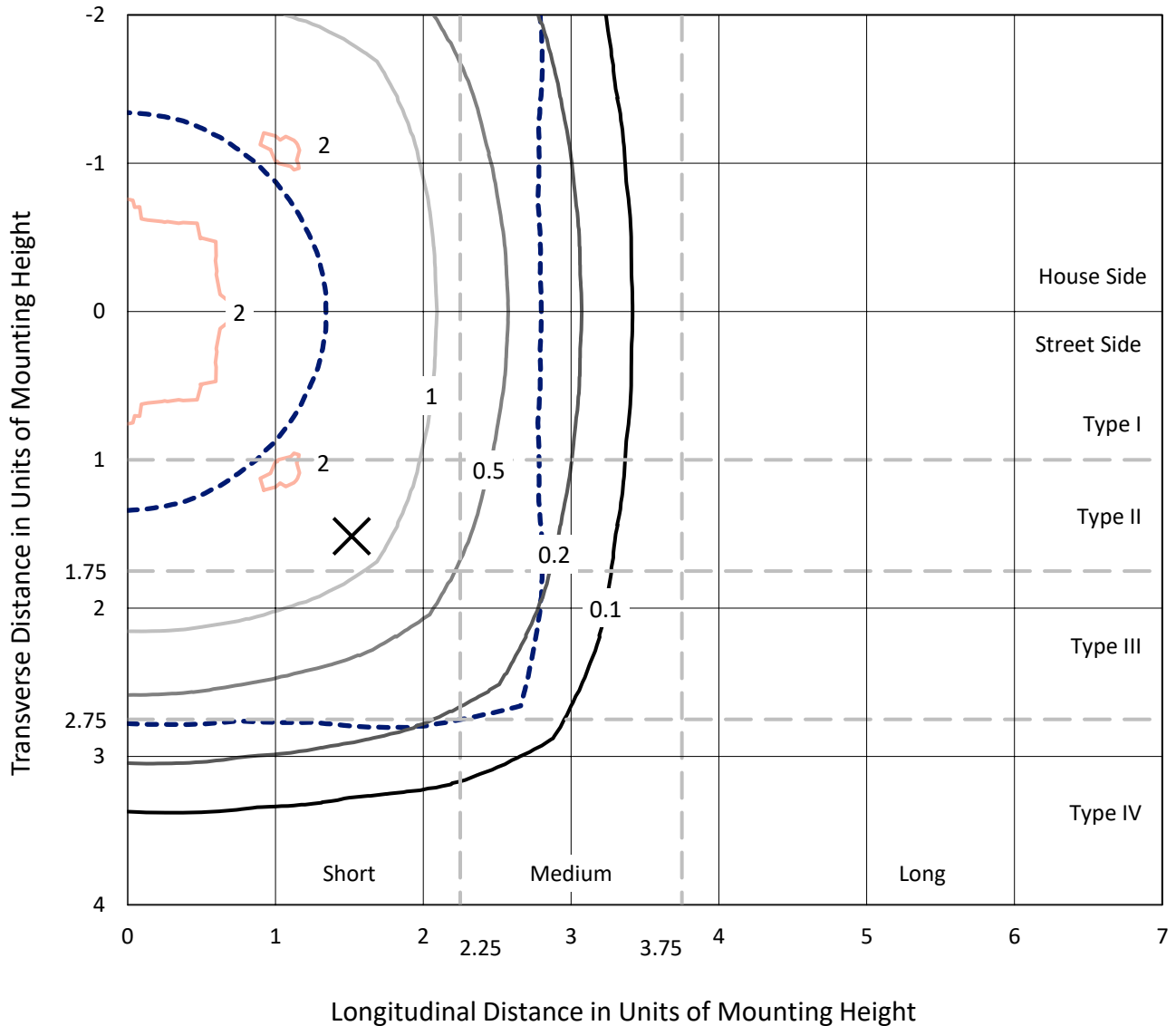
Lumens per Lamp: N/A
Luminaire Lumens: 23974.3 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 166.1
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

REPORT NUMBER: P479815
 CATALOG NUMBER: IFLD-M-SA4B-760-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

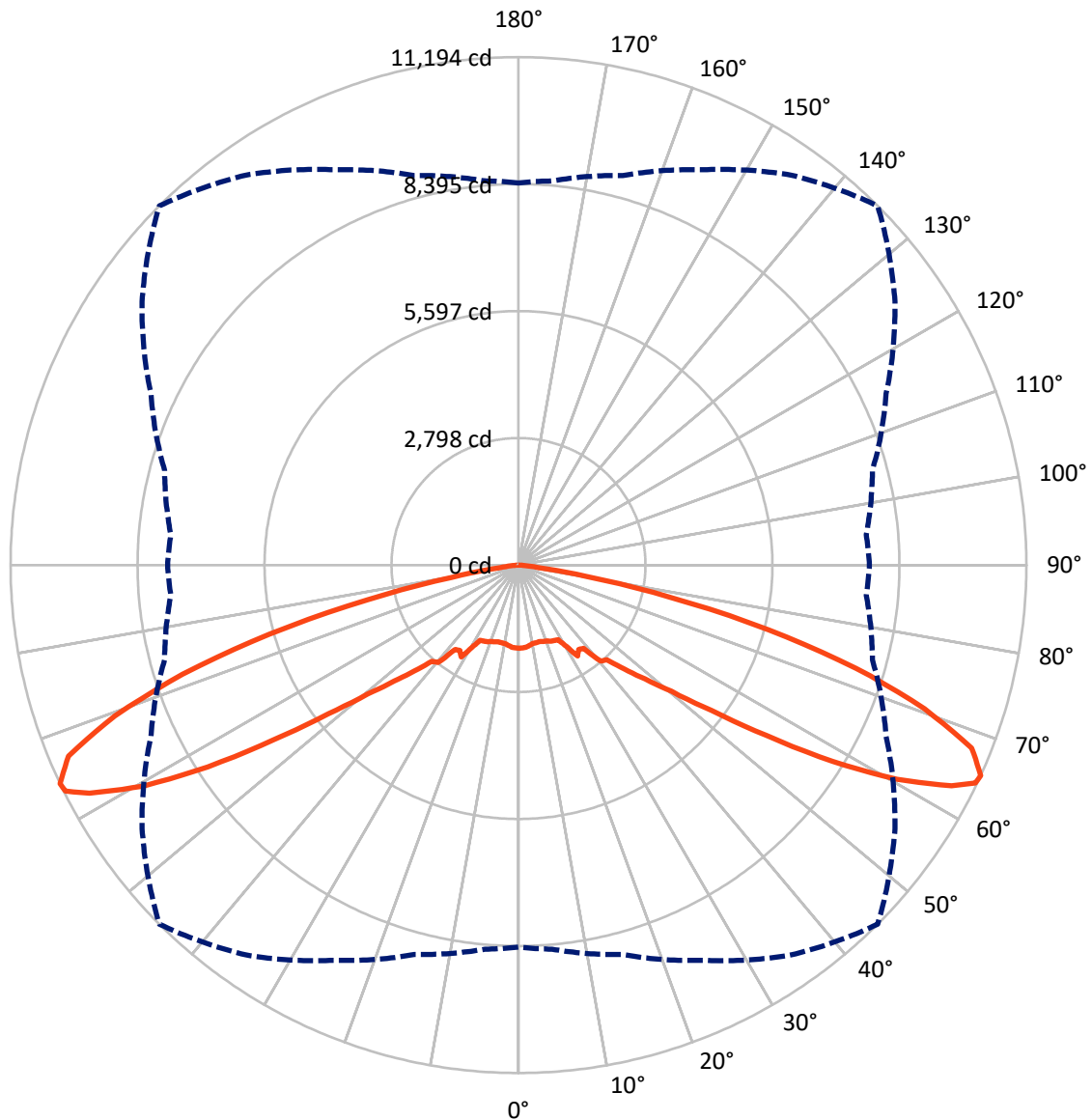
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P479815
CATALOG NUMBER: IFLD-M-SA4B-760-U-5WQ

Luminous Intensity Polar Plot



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

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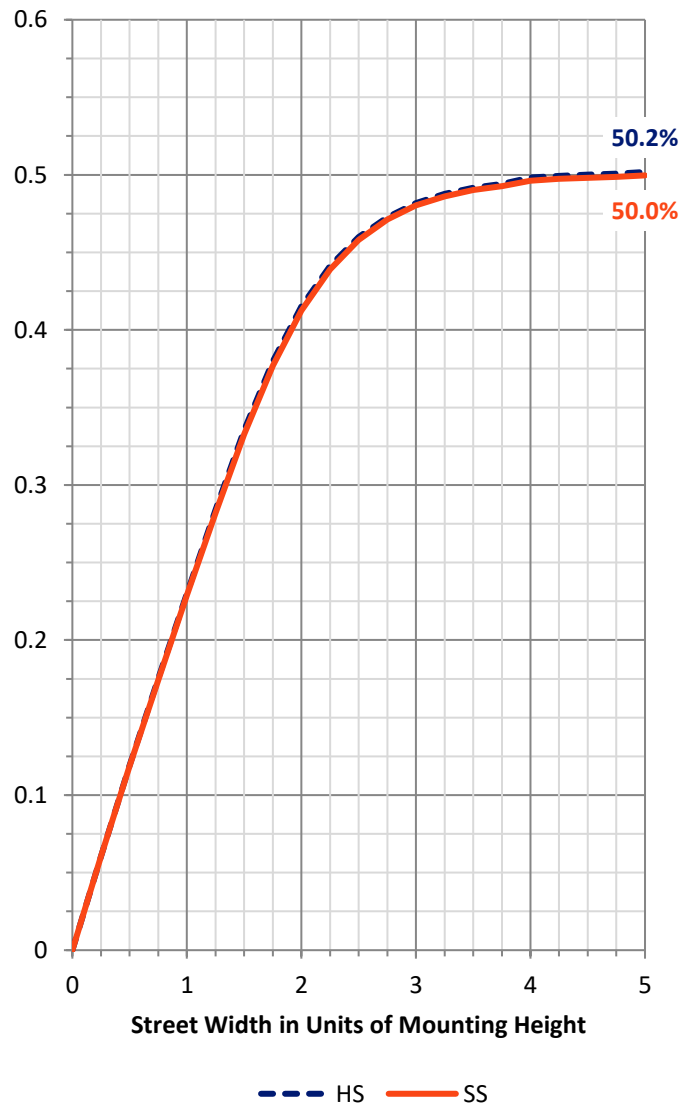
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11987.2	0.0	11987.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11987.2	0.0	11987.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23974.3	0.0	23974.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	0.7
10°-20°	505.3	2.1
20°-30°	874.6	3.6
30°-40°	1454.3	6.1
40°-50°	2623.8	10.9
50°-60°	5844.9	24.4
60°-70°	8710.8	36.3
70°-80°	3609.9	15.1
80°-90°	178.8	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°	23974.3	100.0
0°-180°	23974.3	100.0

Coefficient of Utilization



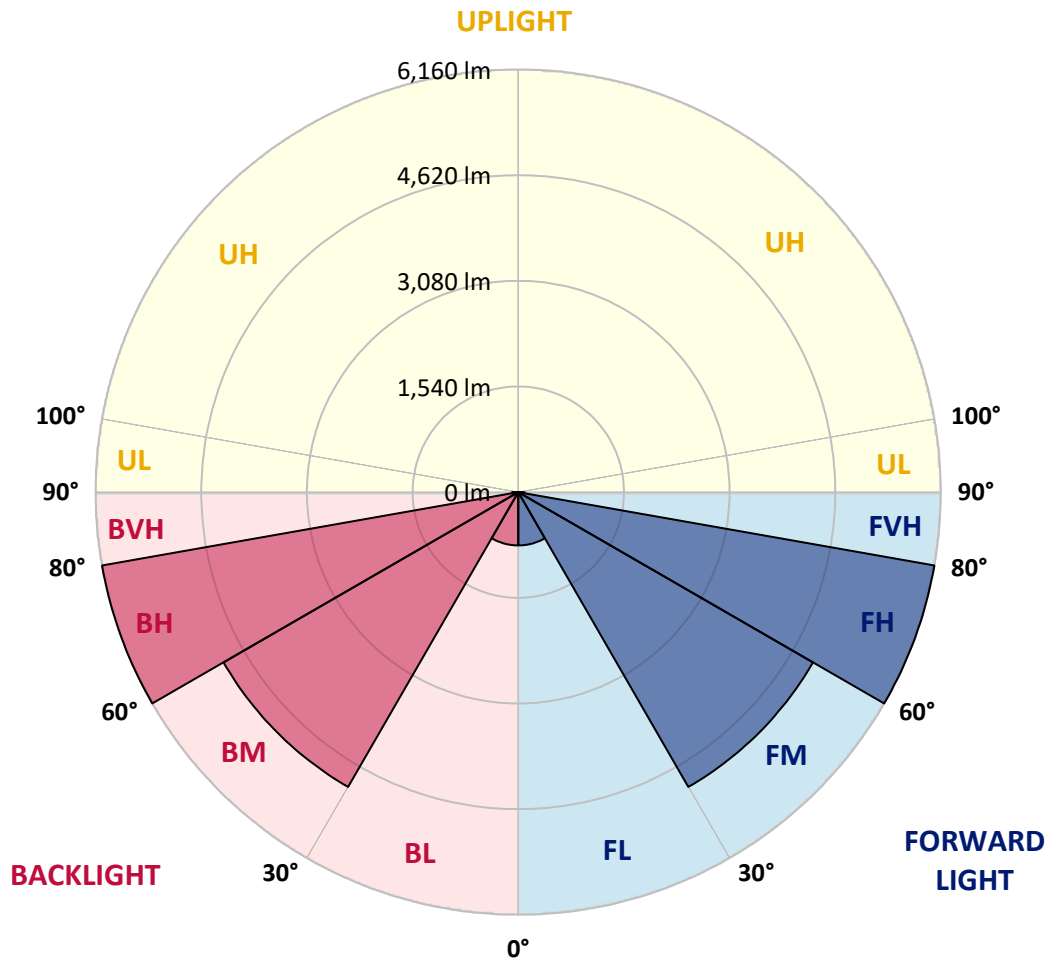
REPORT NUMBER: P479815
 CATALOG NUMBER: IFLD-M-SA4B-760-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	776.0	3.2			
FM (30°-60°)	4961.5	20.7			
FH (60°-80°)	6160.3	25.7			G3/7500
FVH (80°-90°)	89.4	0.4			G1/100
BL (0°-30°)	776.0	3.2	B2/1000		
BM (30°-60°)	4961.5	20.7	B3/5000		
BH (60°-80°)	6160.3	25.7	B5		G3/7500
BVH (80°-90°)	89.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0	1833.0
2.5°	1811.8	1817.1	1814.4	1814.4	1822.4	1827.7	1830.3	1856.8	1846.2	1854.2	1846.2
5°	1817.1	1817.1	1822.4	1817.1	1822.4	1817.1	1822.4	1814.4	1822.4	1827.7	1835.6
7.5°	1806.5	1801.2	1793.3	1793.3	1790.6	1785.3	1777.4	1798.6	1788.0	1795.9	1809.1
10°	1809.1	1801.2	1774.7	1780.0	1756.2	1756.2	1761.5	1761.5	1785.3	1811.8	1819.7
12.5°	1809.1	1793.3	1785.3	1750.9	1750.9	1753.5	1766.8	1772.1	1788.0	1798.6	1825.0
15°	1809.1	1801.2	1788.0	1742.9	1753.5	1748.2	1761.5	1761.5	1795.9	1814.4	1827.7
17.5°	1819.7	1825.0	1801.2	1758.8	1761.5	1772.1	1764.1	1772.1	1814.4	1827.7	1846.2
20°	1822.4	1801.2	1793.3	1766.8	1790.6	1785.3	1782.7	1798.6	1811.8	1835.6	1856.8
22.5°	1817.1	1825.0	1793.3	1790.6	1811.8	1822.4	1827.7	1809.1	1825.0	1840.9	1859.5
25°	1862.1	1833.0	1825.0	1819.7	1830.3	1840.9	1835.6	1851.5	1851.5	1870.1	1893.9
27.5°	1984.0	1986.6	1970.7	1907.2	1886.0	1862.1	1872.7	1915.1	1965.4	2005.2	2013.1
30°	2039.6	2050.2	2092.6	2082.0	2074.0	2082.0	2079.3	2089.9	2095.2	2097.9	2089.9
32.5°	2089.9	2084.6	2066.1	2113.8	2270.0	2389.2	2275.3	2119.1	2084.6	2074.0	2084.6
35°	2272.7	2272.7	2233.0	2172.0	2254.1	2283.3	2230.3	2156.1	2198.5	2285.9	2291.2
37.5°	2508.4	2474.0	2489.9	2481.9	2391.9	2328.3	2421.0	2468.7	2476.6	2474.0	2500.5
40°	2648.8	2625.0	2601.1	2643.5	2725.6	2783.9	2701.8	2587.9	2617.0	2675.3	2651.5
42.5°	2969.3	2908.4	2913.7	2871.3	2868.7	2850.1	2831.6	2839.5	2881.9	2948.1	2958.7
45°	3297.8	3326.9	3308.4	3228.9	3266.0	3266.0	3213.0	3252.8	3273.9	3350.8	3361.4
47.5°	3811.7	3798.4	3806.4	3734.8	3732.2	3750.7	3732.2	3734.8	3801.1	3795.8	3766.6
50°	4412.9	4450.0	4460.6	4426.2	4383.8	4375.9	4346.7	4383.8	4423.5	4426.2	4402.3
52.5°	5244.7	5284.4	5284.4	5295.0	5348.0	5321.5	5316.2	5318.8	5242.0	5189.0	5215.5
55°	6293.6	6306.8	6351.9	6444.6	6606.2	6627.4	6526.7	6481.7	6341.3	6256.5	6322.7
57.5°	7329.3	7382.3	7506.8	7747.8	7946.5	8163.7	7872.3	7575.6	7300.2	7165.1	7188.9
60°	8190.2	8267.0	8505.4	8841.8	9392.7	9591.4	9098.7	8590.1	8031.2	7618.0	7784.9
62.5°	8595.4	8714.6	8915.9	9596.7	10423.1	10709.2	9986.1	9061.6	8214.0	7816.7	7808.7
64°	8598.1	8616.6	9019.2	9753.0	10603.2	11156.8	10200.6	9061.6	8259.0	7769.0	7859.1
65°	8420.6	8497.4	8886.8	9609.9	10489.3	11193.9	10126.5	8937.1	8073.6	7692.2	7734.6
67.5°	7615.4	7612.7	7973.0	8690.8	9911.9	10772.8	9496.0	8240.5	7615.4	7202.2	7252.5
70°	5777.1	5869.8	6214.1	7096.2	8576.9	9498.7	8304.1	7003.5	6224.7	5893.6	5875.1
72.5°	3456.7	3578.6	4018.3	5093.7	6661.8	7782.2	6590.3	5181.1	4243.4	3718.9	3732.2
75°	1576.0	1666.1	1968.1	2844.8	4439.4	5689.7	4465.9	2995.8	2148.2	1814.4	1766.8
77.5°	442.4	498.0	664.9	1305.9	2436.9	3411.7	2505.8	1443.6	937.7	778.8	762.9
80°	198.7	209.3	235.7	317.9	773.5	1504.5	1035.7	529.8	352.3	291.4	278.1
82.5°	108.6	116.5	153.6	164.2	219.9	400.0	341.7	249.0	211.9	169.5	164.2
85°	60.9	63.6	87.4	87.4	106.0	116.5	124.5	132.4	129.8	95.4	92.7
87.5°	18.5	21.2	26.5	26.5	26.5	26.5	42.4	58.3	63.6	45.0	45.0
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)