

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: P525257

Luminaire Tested: **IFLD-M-SA4B-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525257
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

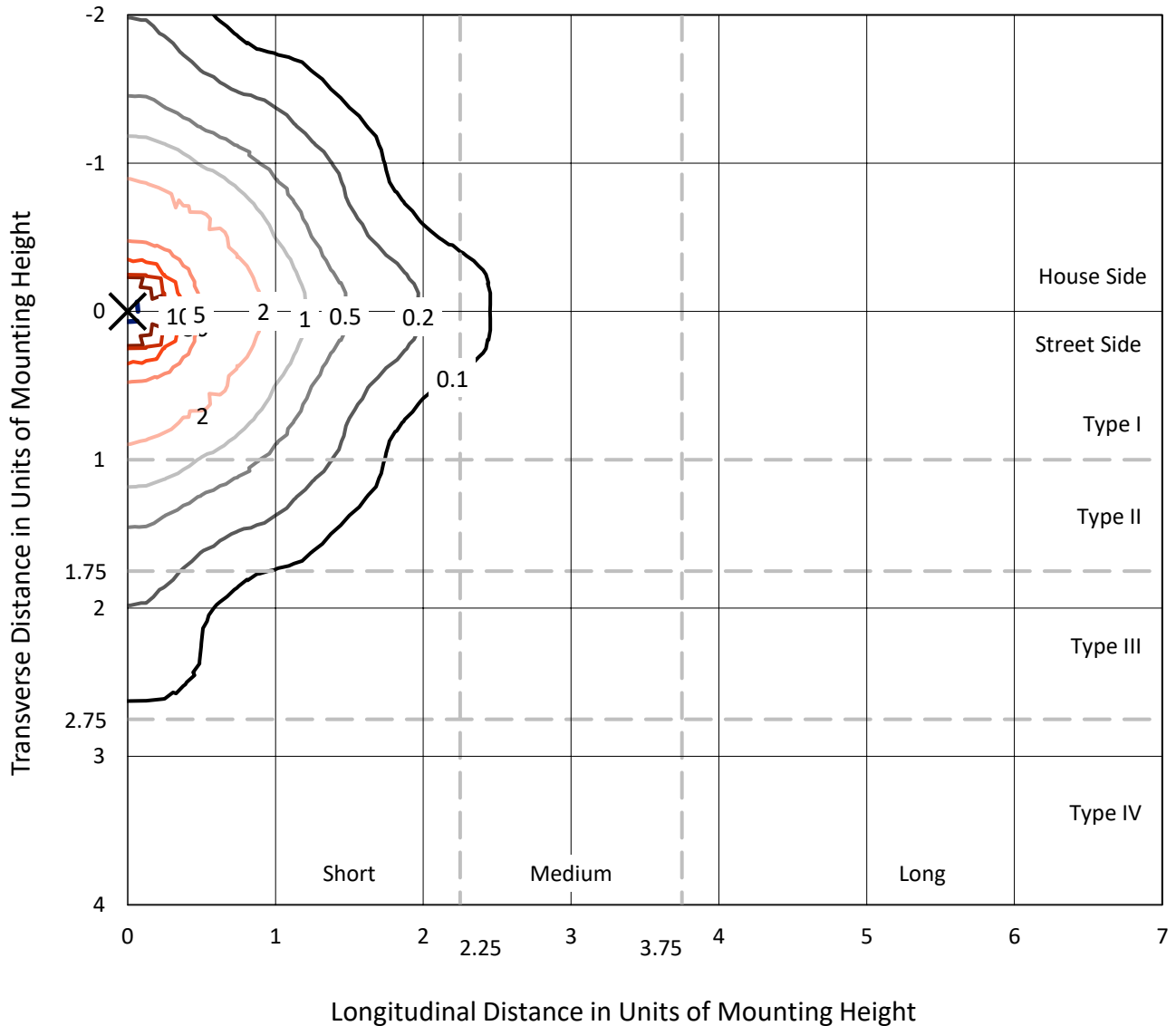
Lumens per Lamp: N/A
Luminaire Lumens: 8343.8 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

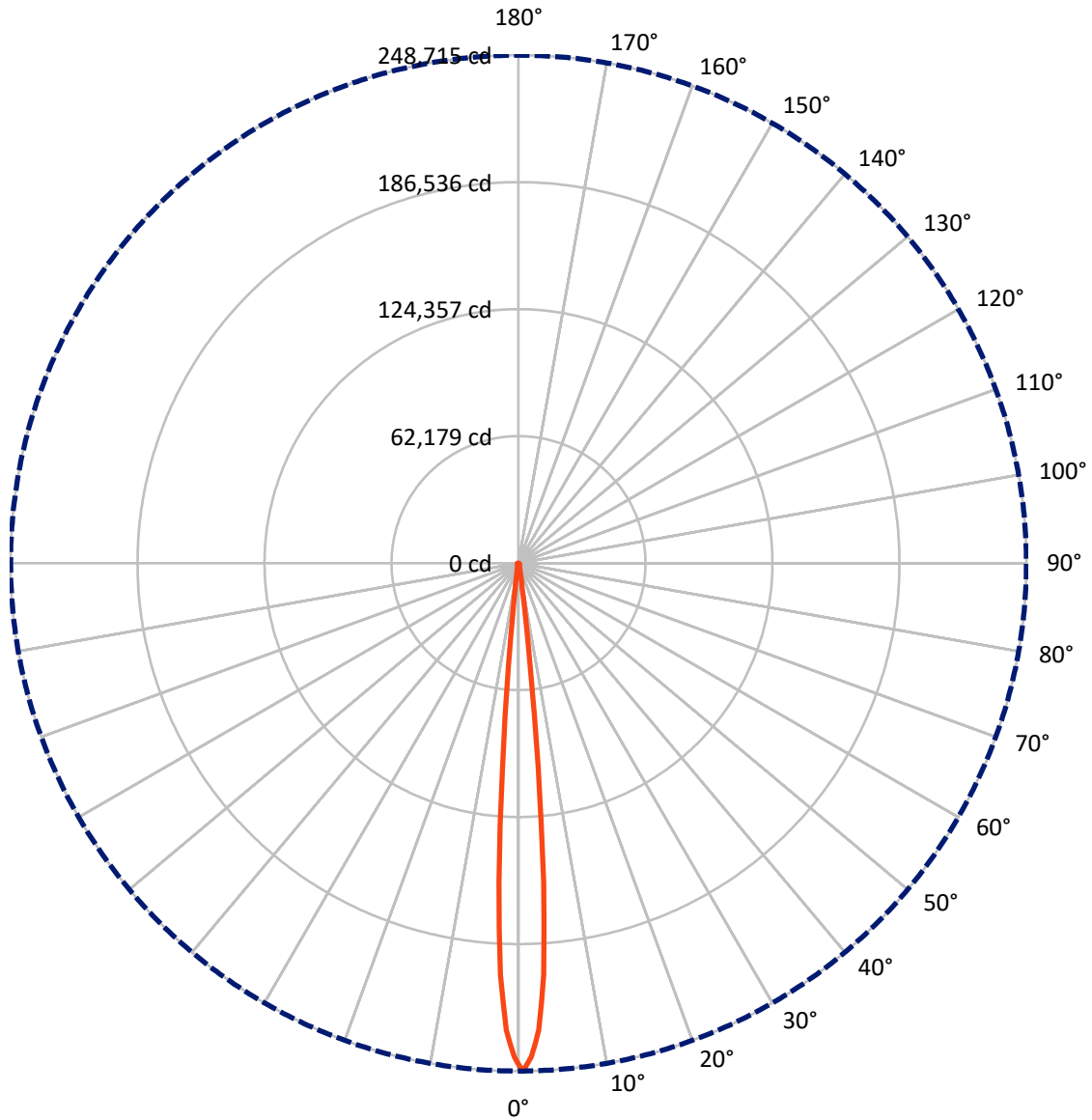
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2487.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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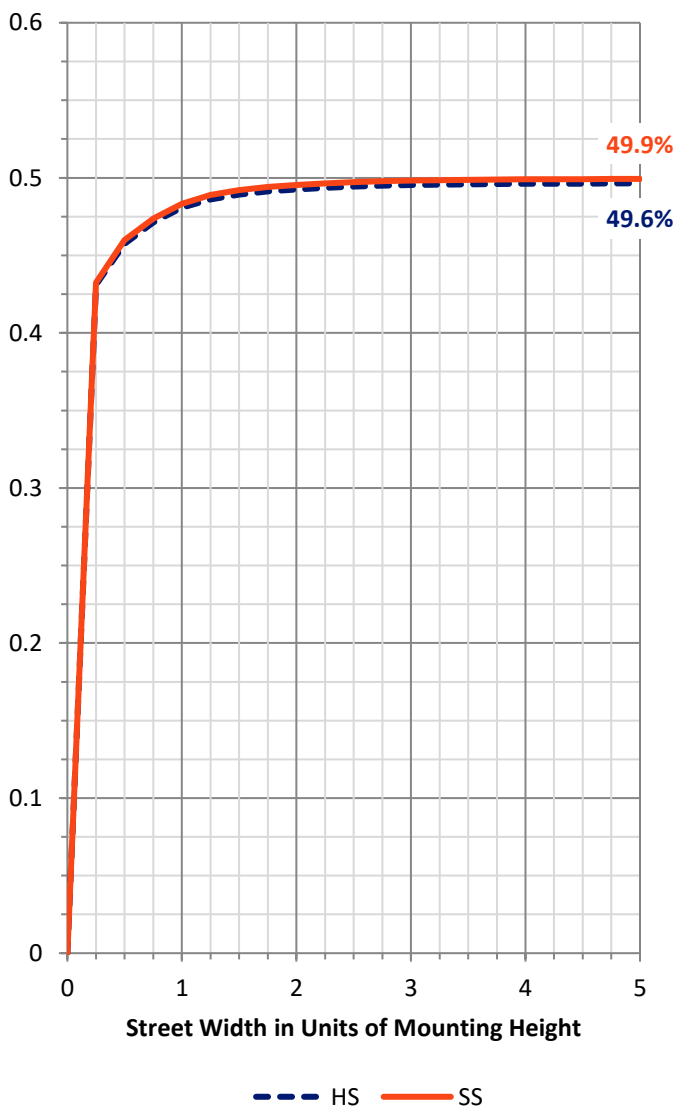
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4171.9	0.0	4171.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4171.9	0.0	4171.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8343.8	0.0	8343.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6408.0	76.8
10°-20°	625.0	7.5
20°-30°	333.9	4.0
30°-40°	275.4	3.3
40°-50°	306.6	3.7
50°-60°	206.2	2.5
60°-70°	131.6	1.6
70°-80°	52.0	0.6
80°-90°	5.1	0.1
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°	8343.8	100.0
0°-180°	8343.8	100.0

Coefficient of Utilization

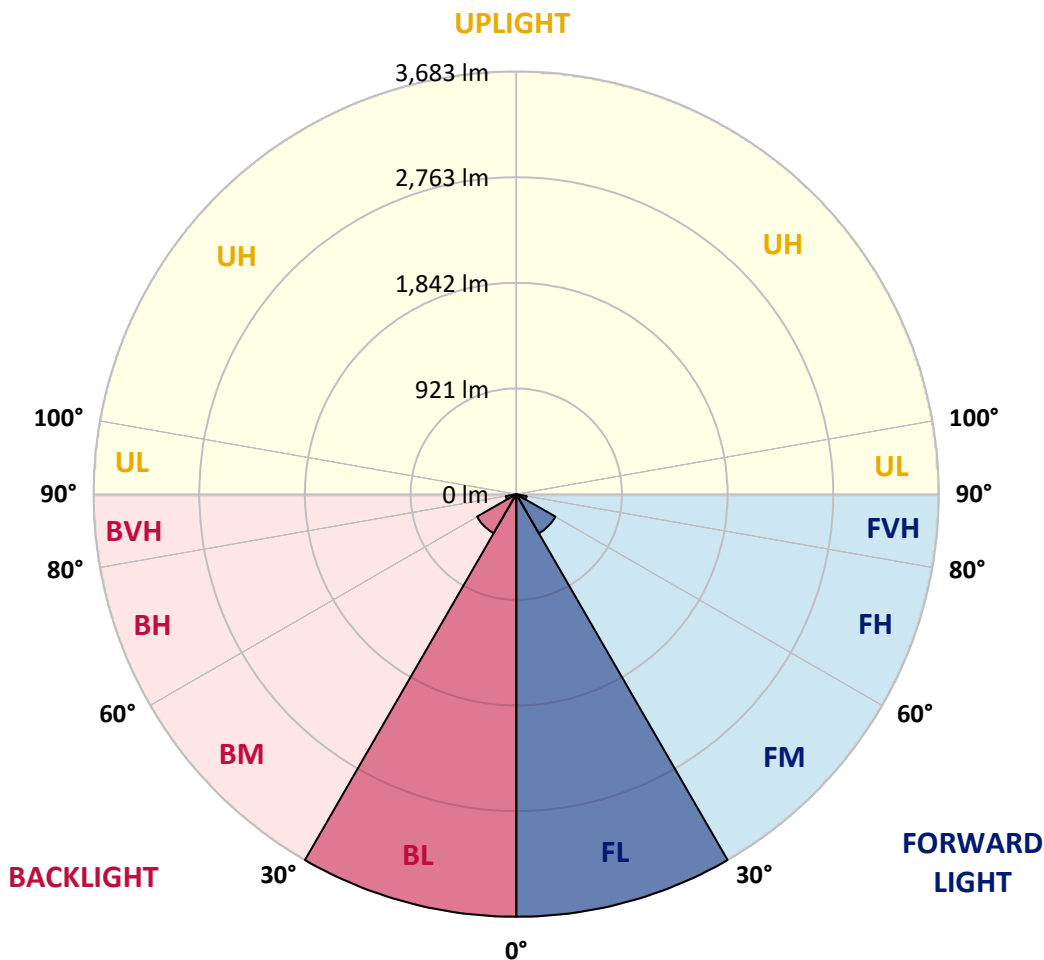


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3683.5	44.1			
FM (30°-60°)	394.1	4.7			
FH (60°-80°)	91.8	1.1			G0/660
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	3683.5	44.1	B4/5000		
BM (30°-60°)	394.1	4.7	B1/1000		
BH (60°-80°)	91.8	1.1	B0/110		G0/660
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	248714.6	248714.6	248714.6	248714.6	248714.6	248714.6	248714.6	248714.6	248714.6	248714.6
1°	241802.2	242222.7	242298.5	241797.8	240521.1	240822.4	240783.4	240850.6	240724.9	239927.2
2°	228709.9	229332.0	228677.3	227272.7	224363.8	223670.2	221353.0	218767.1	216014.2	213254.9
3°	201985.5	203294.8	202360.5	203860.5	197960.3	197364.2	192491.4	186066.7	179555.2	174279.3
4°	156606.9	159025.9	159346.7	164297.5	159450.7	160965.9	155399.5	146473.3	136732.1	129279.9
5°	99824.4	103197.2	105100.4	109743.4	111976.0	117789.5	115077.8	106119.1	94862.8	86289.9
6°	50437.9	52273.8	57387.2	62491.9	68192.7	75907.1	76951.9	69087.9	60129.2	51901.0
7°	23511.9	24270.6	27877.5	28965.6	35483.6	43852.7	45023.2	40711.8	35986.5	29609.4
8°	12149.4	12444.2	13762.1	14570.6	18372.6	23186.8	24008.3	21294.5	19361.0	16152.9
9°	7482.6	7612.6	8106.8	8288.9	9710.8	11852.4	12142.9	11007.1	10482.5	9374.9
10°	5189.2	5258.6	5490.5	5538.2	6012.9	6717.4	6743.4	6370.6	6379.2	6101.8
12.5°	2765.9	2787.5	2852.6	2859.1	2950.1	3023.8	3006.5	3008.6	3045.5	3008.6
15°	1768.8	1779.6	1818.6	1827.3	1875.0	1901.0	1888.0	1885.8	1898.8	1875.0
17.5°	1261.5	1268.0	1296.2	1320.1	1350.4	1359.1	1354.7	1350.4	1350.4	1328.7
20°	984.1	992.8	1012.3	1036.1	1051.3	1066.5	1068.6	1066.5	1060.0	1049.1
22.5°	836.7	841.0	847.5	858.4	869.2	875.7	880.0	882.2	880.0	875.7
25°	728.3	732.6	745.7	752.2	752.2	754.3	763.0	767.3	769.5	760.8
27.5°	537.6	548.4	567.9	578.7	578.7	583.1	589.6	598.3	606.9	591.8
30°	416.2	424.8	446.5	446.5	444.4	448.7	455.2	468.2	481.2	463.9
32.5°	375.0	375.0	379.3	381.5	381.5	388.0	392.3	403.2	414.0	409.7
35°	392.3	381.5	368.5	368.5	372.8	385.8	388.0	398.8	409.7	424.8
37.5°	570.1	537.6	489.9	481.2	481.2	496.4	489.9	496.4	515.9	572.2
40°	518.1	492.0	463.9	424.8	424.8	446.5	431.4	440.0	485.5	520.2
42.5°	461.7	461.7	431.4	394.5	394.5	405.3	401.0	405.3	457.4	485.5
45°	427.0	427.0	418.3	359.8	368.5	375.0	375.0	375.0	444.4	453.0
47.5°	407.5	407.5	385.8	331.6	342.5	344.6	349.0	344.6	398.8	429.2
50°	364.2	368.5	331.6	292.6	305.6	305.6	312.1	303.5	344.6	394.5
52.5°	314.3	318.6	262.3	231.9	247.1	244.9	253.6	240.6	273.1	342.5
55°	279.6	277.5	216.8	188.6	205.9	203.8	208.1	192.9	221.1	294.8
57.5°	242.8	247.1	177.7	153.9	173.4	169.1	175.6	158.2	182.1	262.3
60°	214.6	221.1	151.7	130.1	149.6	145.2	151.7	132.2	156.1	236.3
62.5°	205.9	205.9	134.4	110.5	130.1	125.7	130.1	110.5	138.7	216.8
65°	244.9	231.9	121.4	91.0	110.5	106.2	110.5	91.0	121.4	208.1
67.5°	325.1	310.0	114.9	71.5	88.9	82.4	88.9	73.7	106.2	195.1
70°	169.1	179.9	114.9	56.4	67.2	67.2	65.0	56.4	88.9	143.1
72.5°	97.5	99.7	88.9	43.4	52.0	56.4	49.9	43.4	65.0	106.2
75°	54.2	60.7	56.4	32.5	39.0	43.4	36.8	32.5	45.5	75.9
77.5°	32.5	36.8	32.5	21.7	26.0	23.8	26.0	21.7	30.3	49.9
80°	17.3	17.3	17.3	13.0	13.0	15.2	15.2	13.0	17.3	26.0
82.5°	6.5	6.5	6.5	4.3	6.5	6.5	6.5	8.7	8.7	10.8
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
248714.6
240714.0
214843.7
176280.0
131007.5
87388.9
52516.6
30381.1
16588.6
9615.5
6229.7
3049.8
1892.3
1335.2
1051.3
877.9
760.8
589.6
459.5
409.7
433.5
600.4
552.7
487.7
450.9
422.7
390.2
333.8
290.5
255.8
229.8
214.6
208.1
192.9
140.9
104.0
67.2
36.8
21.7
10.8
2.2
2.2
0.0

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