

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: P525258

Luminaire Tested: **IFLD-M-SA4C-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525258
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

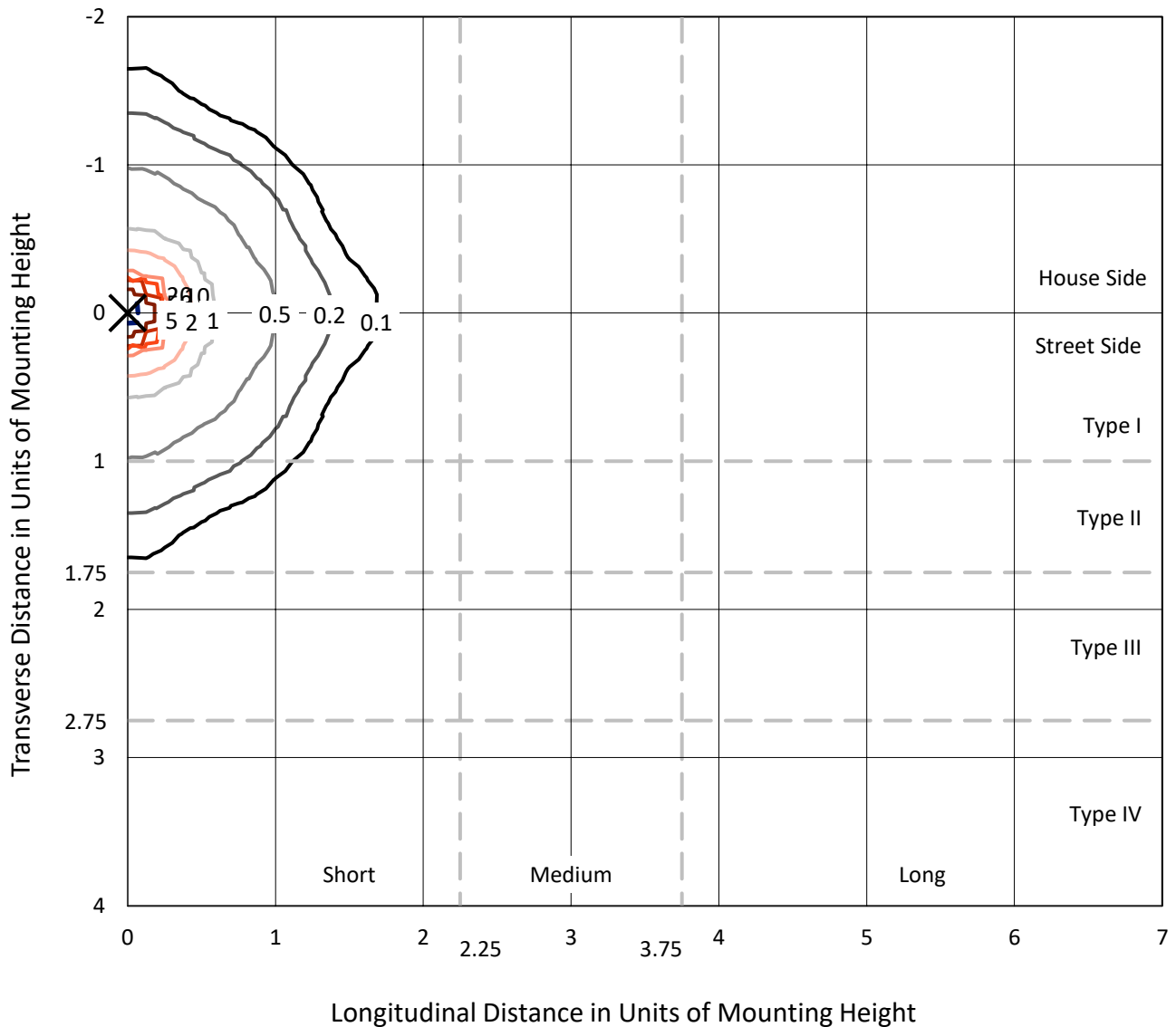
Lumens per Lamp: N/A
Luminaire Lumens: 10386.8 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 218.1
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

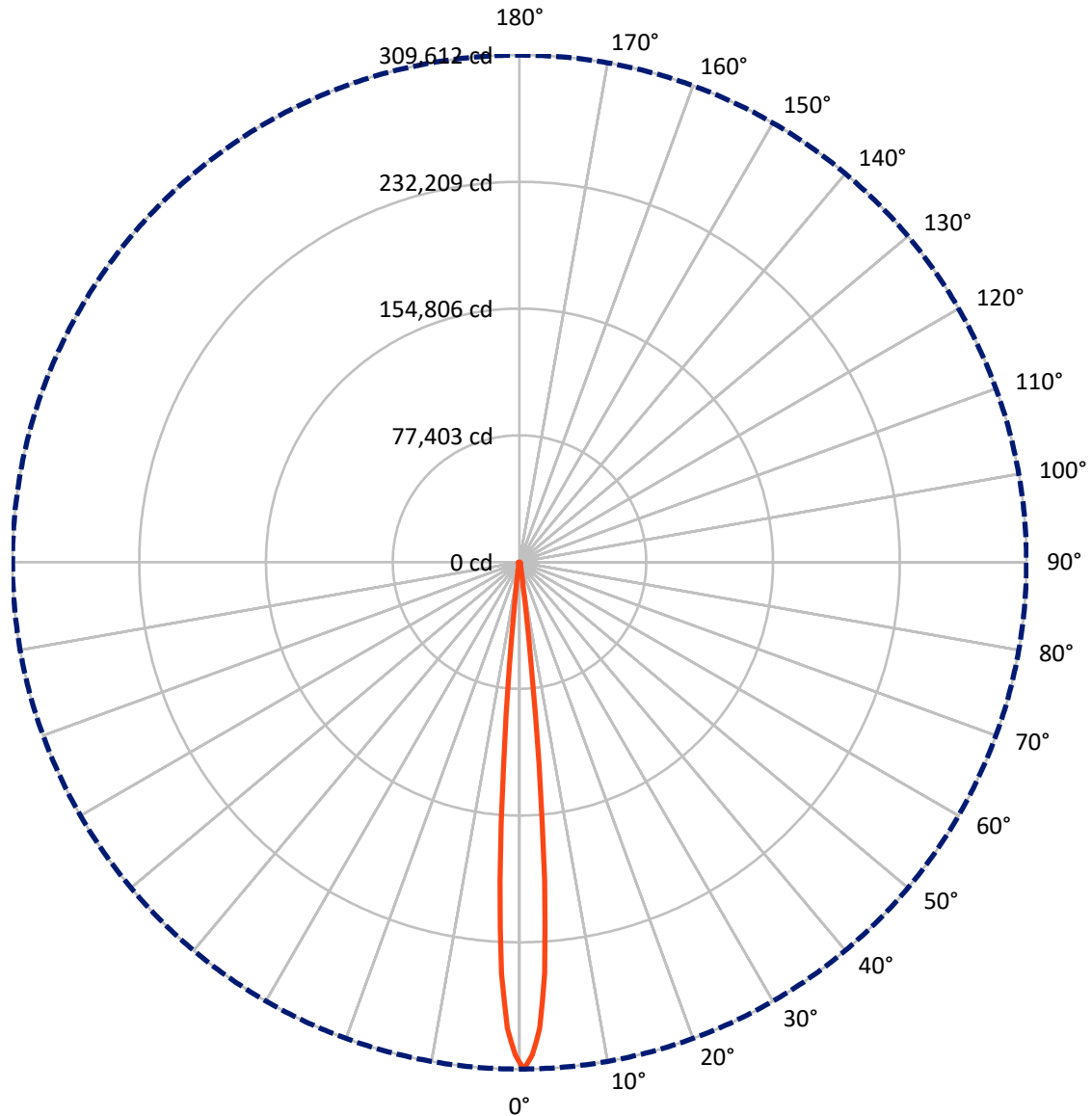
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 774 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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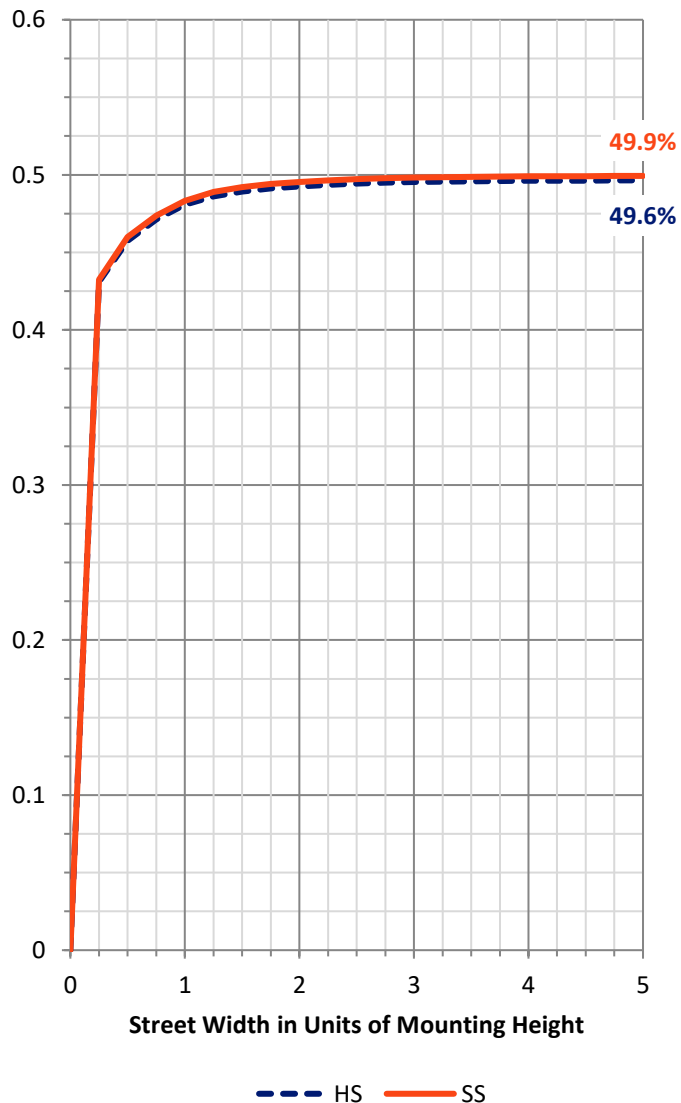
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5193.4	0.0	5193.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5193.4	0.0	5193.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10386.8	0.0	10386.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7977.0	76.8
10°-20°	778.0	7.5
20°-30°	415.7	4.0
30°-40°	342.8	3.3
40°-50°	381.7	3.7
50°-60°	256.7	2.5
60°-70°	163.8	1.6
70°-80°	64.7	0.6
80°-90°	6.3	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°	10386.8	100.0
0°-180°	10386.8	100.0

Coefficient of Utilization

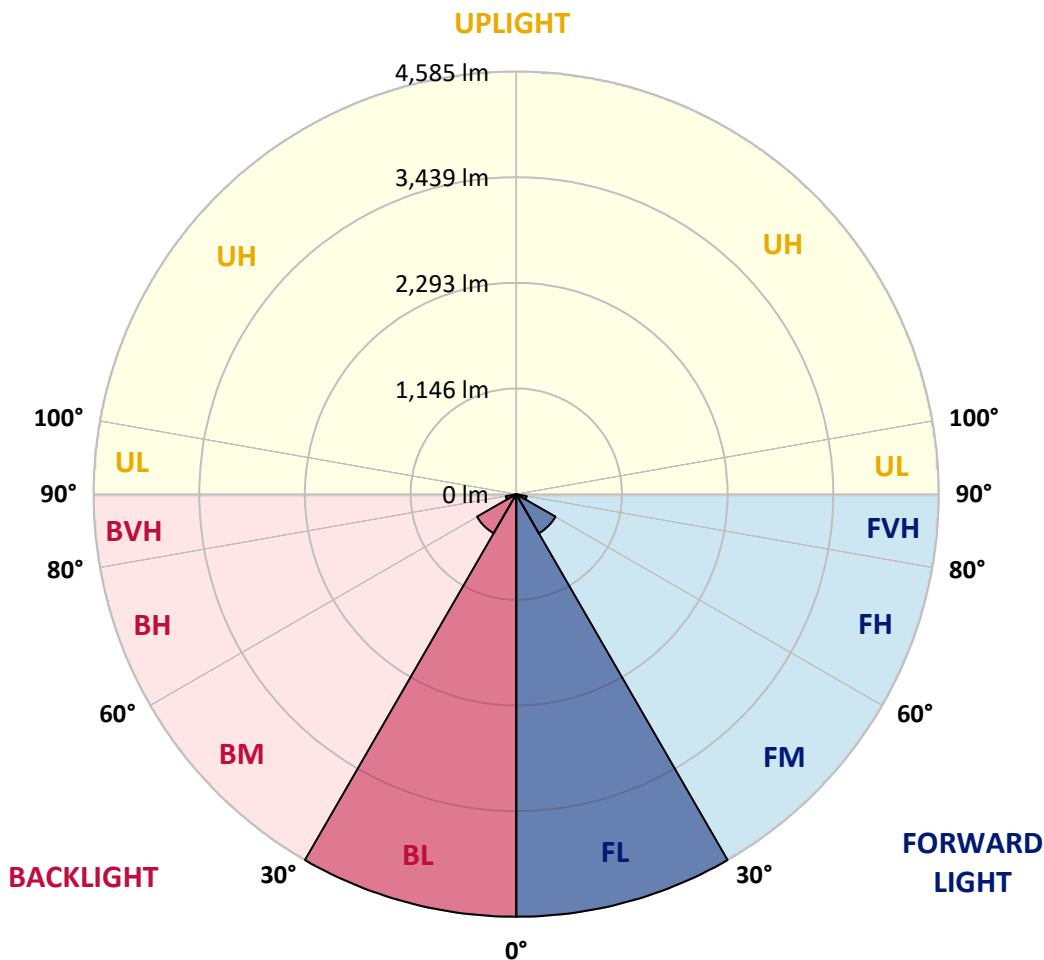


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4585.4	44.1			
FM (30°-60°)	490.6	4.7			
FH (60°-80°)	114.2	1.1			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	4585.4	44.1	B4/5000		
BM (30°-60°)	490.6	4.7	B1/1000		
BH (60°-80°)	114.2	1.1	B1/500		G0/660
BVH (80°-90°)	3.2	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°	309612.4	309612.4	309612.4	309612.4	309612.4	309612.4	309612.4	309612.4	309612.4	309612.4
1°	301007.4	301530.9	301625.3	301002.0	299412.7	299787.8	299739.2	299822.8	299666.3	298673.4
2°	284709.5	285483.9	284669.0	282920.5	279299.3	278435.8	275551.3	272332.2	268905.3	265470.3
3°	251441.7	253071.5	251908.5	253775.7	246430.9	245688.8	239623.0	231625.1	223519.3	216951.6
4°	194952.0	197963.4	198362.7	204525.7	198492.3	200378.4	193449.1	182337.3	170211.0	160934.1
5°	124266.4	128465.1	130834.2	136614.0	139393.3	146630.2	143254.6	132102.4	118090.0	107418.0
6°	62787.6	65073.1	71438.4	77793.0	84889.6	94493.0	95793.6	86004.0	74851.8	64608.9
7°	29268.8	30213.3	34703.3	36057.9	44171.8	54590.0	56047.1	50680.1	44797.8	36859.3
8°	15124.2	15491.1	17131.7	18138.2	22871.1	28864.1	29886.8	26508.4	24101.5	20108.0
9°	9314.7	9476.6	10091.8	10318.4	12088.5	14754.5	15116.1	13702.1	13049.2	11670.3
10°	6459.8	6546.2	6834.9	6894.2	7485.2	8362.1	8394.5	7930.4	7941.2	7595.8
12.5°	3443.1	3470.1	3551.0	3559.1	3672.4	3764.2	3742.6	3745.3	3791.2	3745.3
15°	2201.8	2215.3	2263.9	2274.7	2334.1	2366.4	2350.3	2347.6	2363.7	2334.1
17.5°	1570.4	1578.5	1613.6	1643.3	1681.1	1691.9	1686.5	1681.1	1681.1	1654.1
20°	1225.0	1235.8	1260.1	1289.8	1308.7	1327.6	1330.3	1327.6	1319.5	1306.0
22.5°	1041.6	1047.0	1055.0	1068.5	1082.0	1090.1	1095.5	1098.2	1095.5	1090.1
25°	906.6	912.0	928.2	936.3	936.3	939.0	949.8	955.2	957.9	947.1
27.5°	669.2	682.7	707.0	720.5	720.5	725.9	733.9	744.7	755.5	736.6
30°	518.1	528.9	555.9	555.9	553.2	558.6	566.7	582.8	599.0	577.4
32.5°	466.8	466.8	472.2	474.9	474.9	483.0	488.4	501.9	515.4	510.0
35°	488.4	474.9	458.7	458.7	464.1	480.3	483.0	496.5	510.0	528.9
37.5°	709.7	669.2	609.8	599.0	599.0	617.9	609.8	617.9	642.2	712.4
40°	644.9	612.5	577.4	528.9	528.9	555.9	537.0	547.8	604.4	647.6
42.5°	574.7	574.7	537.0	491.1	491.1	504.6	499.2	504.6	569.3	604.4
45°	531.6	531.6	520.8	447.9	458.7	466.8	466.8	466.8	553.2	564.0
47.5°	507.3	507.3	480.3	412.8	426.3	429.0	434.4	429.0	496.5	534.3
50°	453.3	458.7	412.8	364.3	380.5	380.5	388.6	377.8	429.0	491.1
52.5°	391.3	396.7	326.5	288.7	307.6	304.9	315.7	299.5	340.0	426.3
55°	348.1	345.4	269.8	234.8	256.3	253.6	259.0	240.2	275.2	367.0
57.5°	302.2	307.6	221.3	191.6	215.9	210.5	218.6	197.0	226.7	326.5
60°	267.1	275.2	188.9	161.9	186.2	180.8	188.9	164.6	194.3	294.1
62.5°	256.3	256.3	167.3	137.6	161.9	156.5	161.9	137.6	172.7	269.8
65°	304.9	288.7	151.1	113.3	137.6	132.2	137.6	113.3	151.1	259.0
67.5°	404.8	385.9	143.0	89.0	110.6	102.5	110.6	91.7	132.2	242.9
70°	210.5	224.0	143.0	70.2	83.6	83.6	81.0	70.2	110.6	178.1
72.5°	121.4	124.1	110.6	54.0	64.8	70.2	62.1	54.0	81.0	132.2
75°	67.5	75.6	70.2	40.5	48.6	54.0	45.9	40.5	56.7	94.4
77.5°	40.5	45.9	40.5	27.0	32.4	29.7	32.4	27.0	37.8	62.1
80°	21.6	21.6	21.6	16.2	16.2	18.9	18.9	16.2	21.6	32.4
82.5°	8.1	8.1	8.1	5.4	8.1	8.1	8.1	10.8	10.8	13.5
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
309612.4
299652.8
267448.2
219442.1
163084.7
108786.1
65375.3
37819.9
20650.4
11969.8
7755.0
3796.6
2355.6
1662.2
1308.7
1092.8
947.1
733.9
572.0
510.0
539.7
747.4
688.1
607.1
561.3
526.2
485.7
415.5
361.6
318.4
286.0
267.1
259.0
240.2
175.4
129.5
83.6
45.9
27.0
13.5
2.7
2.7
0.0

OF REPORT)