

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: P525373

Luminaire Tested: **IFLD-M-SA4A-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525373
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

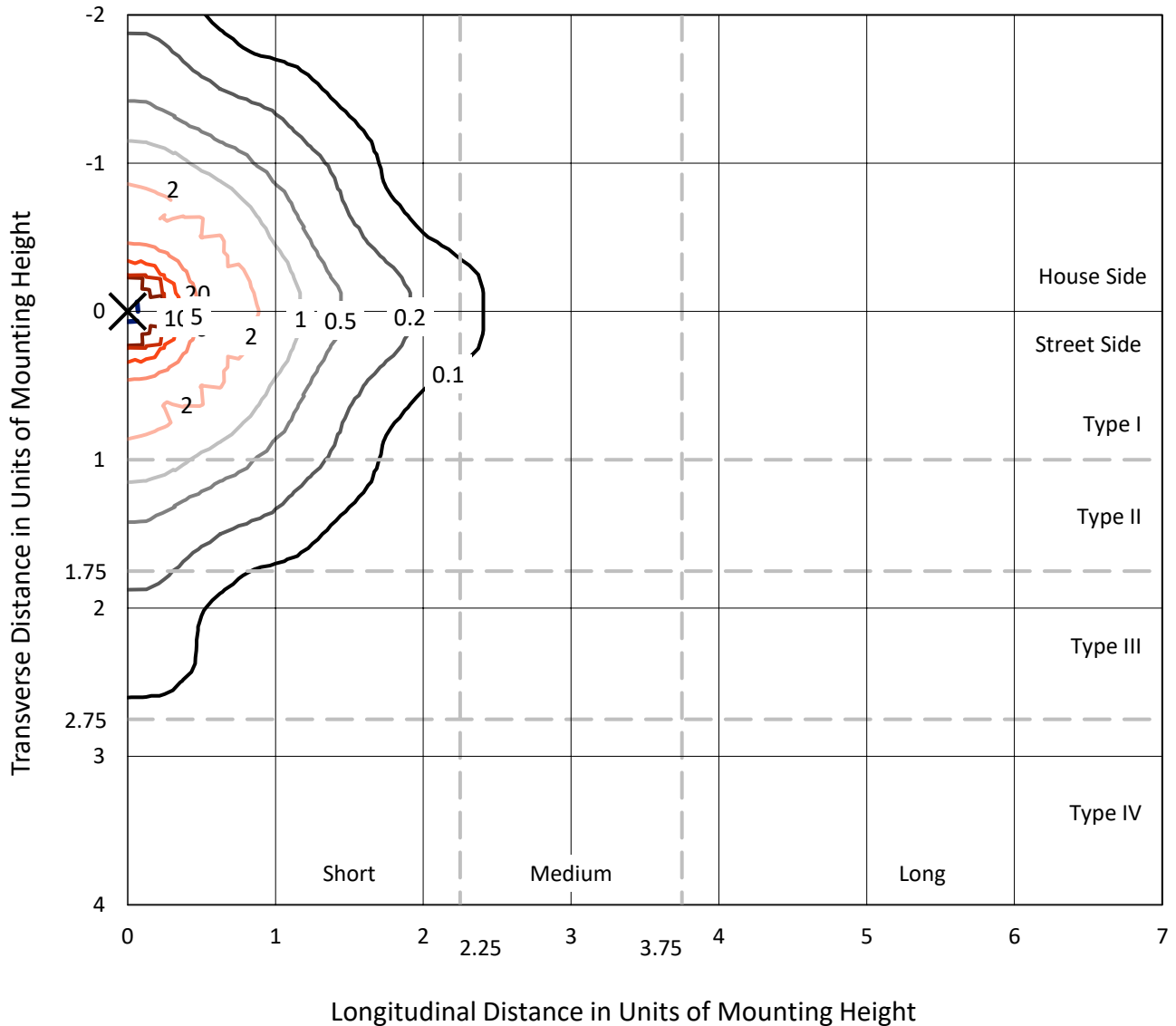
Lumens per Lamp: N/A
Luminaire Lumens: 7700.7 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 128.6
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

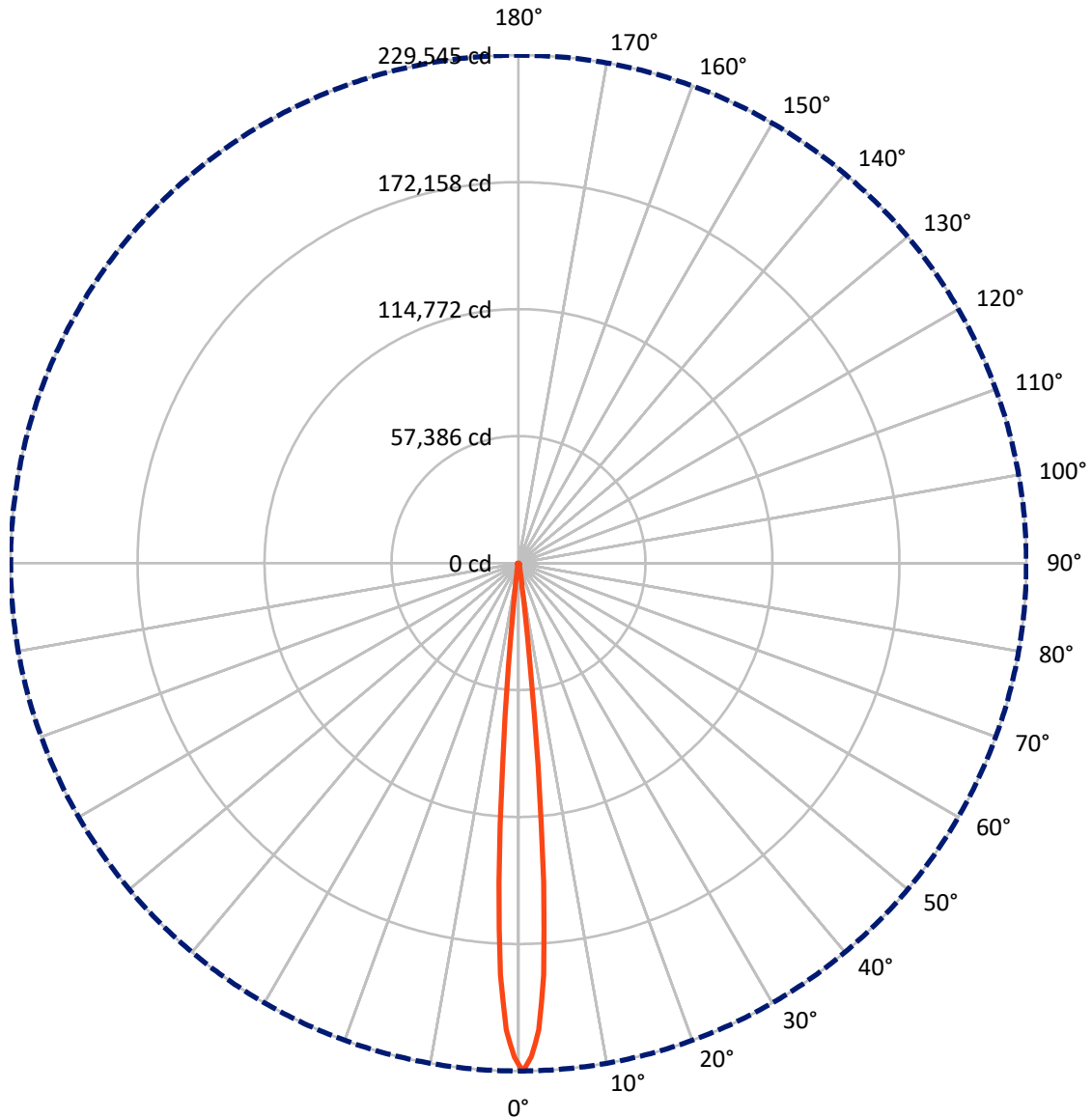
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2295.4 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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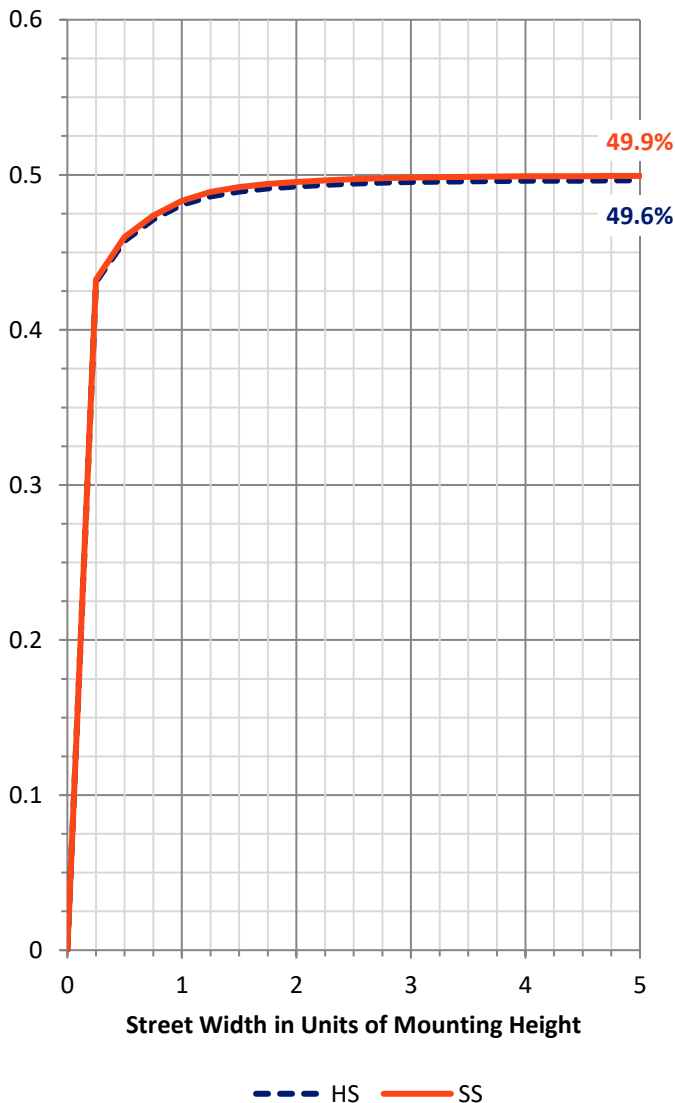
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3850.3	0.0	3850.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3850.3	0.0	3850.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7700.7	0.0	7700.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5914.1	76.8
10°-20°	576.8	7.5
20°-30°	308.2	4.0
30°-40°	254.2	3.3
40°-50°	283.0	3.7
50°-60°	190.3	2.5
60°-70°	121.4	1.6
70°-80°	47.9	0.6
80°-90°	4.7	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°	7700.7	100.0
0°-180°	7700.7	100.0

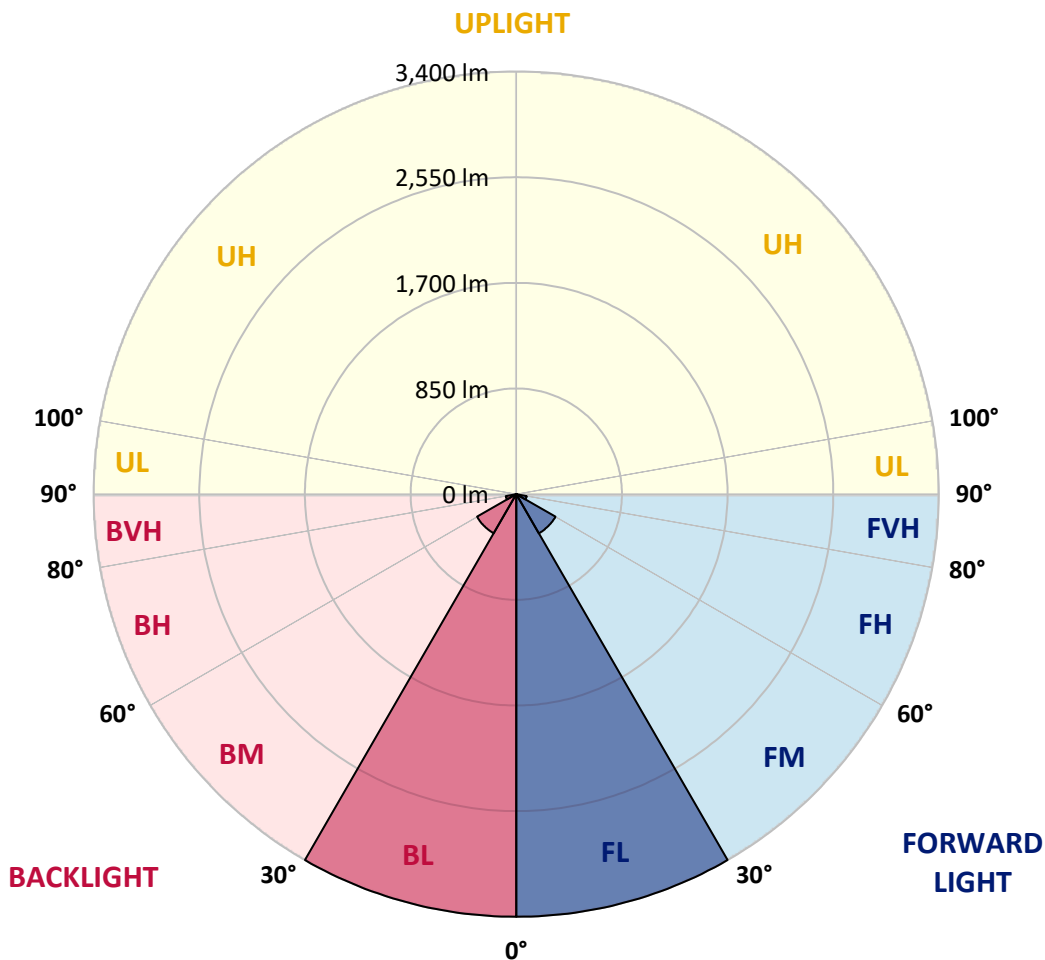


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3399.6	44.1			
FM (30°-60°)	363.7	4.7			
FH (60°-80°)	84.7	1.1			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	3399.6	44.1	B4/5000		
BM (30°-60°)	363.7	4.7	B1/1000		
BH (60°-80°)	84.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.3	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°	229544.6	229544.6	229544.6	229544.6	229544.6	229544.6	229544.6	229544.6	229544.6	229544.6
1°	223164.9	223553.0	223623.0	223160.9	221982.6	222260.7	222224.7	222286.7	222170.7	221434.5
2°	211081.7	211655.9	211051.7	209755.4	207070.7	206430.5	204291.9	201905.3	199364.6	196818.0
3°	186417.2	187625.5	186763.3	188147.7	182702.2	182152.1	177654.9	171725.3	165715.8	160846.5
4°	144536.2	146768.8	147064.8	151634.0	147160.9	148559.2	143421.9	135183.7	126193.3	119315.5
5°	92130.3	95243.1	96999.6	101284.7	103345.3	108710.7	106208.0	97939.9	87551.1	79639.0
6°	46550.3	48244.7	52964.0	57675.2	62936.6	70056.5	71020.8	63762.8	55494.7	47900.6
7°	21699.7	22399.9	25728.8	26733.1	32748.6	40472.7	41553.0	37573.9	33212.8	27327.2
8°	11213.0	11485.0	12701.4	13447.6	16956.5	21399.7	22157.9	19653.2	17868.7	14907.9
9°	6905.8	7025.9	7482.0	7650.0	8962.4	10938.9	11207.0	10158.7	9674.6	8652.3
10°	4789.3	4853.3	5067.3	5111.3	5549.5	6199.6	6223.6	5879.6	5887.6	5631.5
12.5°	2552.7	2572.7	2632.7	2638.7	2722.7	2790.7	2774.7	2776.7	2810.7	2776.7
15°	1632.4	1642.4	1678.4	1686.4	1730.5	1754.5	1742.5	1740.5	1752.5	1730.5
17.5°	1164.3	1170.3	1196.3	1218.3	1246.3	1254.3	1250.3	1246.3	1246.3	1226.3
20°	908.2	916.2	934.2	956.3	970.3	984.3	986.3	984.3	978.3	968.3
22.5°	772.2	776.2	782.2	792.2	802.2	808.2	812.2	814.2	812.2	808.2
25°	672.2	676.2	688.2	694.2	694.2	696.2	704.2	708.2	710.2	702.2
27.5°	496.1	506.1	524.1	534.1	534.1	538.1	544.1	552.1	560.1	546.1
30°	384.1	392.1	412.1	412.1	410.1	414.1	420.1	432.1	444.1	428.1
32.5°	346.1	346.1	350.1	352.1	352.1	358.1	362.1	372.1	382.1	378.1
35°	362.1	352.1	340.1	340.1	344.1	356.1	358.1	368.1	378.1	392.1
37.5°	526.1	496.1	452.1	444.1	444.1	458.1	452.1	458.1	476.1	528.1
40°	478.1	454.1	428.1	392.1	392.1	412.1	398.1	406.1	448.1	480.1
42.5°	426.1	426.1	398.1	364.1	364.1	374.1	370.1	374.1	422.1	448.1
45°	394.1	394.1	386.1	332.1	340.1	346.1	346.1	346.1	410.1	418.1
47.5°	376.1	376.1	356.1	306.1	316.1	318.1	322.1	318.1	368.1	396.1
50°	336.1	340.1	306.1	270.1	282.1	282.1	288.1	280.1	318.1	364.1
52.5°	290.1	294.1	242.1	214.1	228.1	226.1	234.1	222.1	252.1	316.1
55°	258.1	256.1	200.1	174.0	190.1	188.0	192.1	178.0	204.1	272.1
57.5°	224.1	228.1	164.0	142.0	160.0	156.0	162.0	146.0	168.0	242.1
60°	198.1	204.1	140.0	120.0	138.0	134.0	140.0	122.0	144.0	218.1
62.5°	190.1	190.1	124.0	102.0	120.0	116.0	120.0	102.0	128.0	200.1
65°	226.1	214.1	112.0	84.0	102.0	98.0	102.0	84.0	112.0	192.1
67.5°	300.1	286.1	106.0	66.0	82.0	76.0	82.0	68.0	98.0	180.0
70°	156.0	166.0	106.0	52.0	62.0	62.0	60.0	52.0	82.0	132.0
72.5°	90.0	92.0	82.0	40.0	48.0	52.0	46.0	40.0	60.0	98.0
75°	50.0	56.0	52.0	30.0	36.0	40.0	34.0	30.0	42.0	70.0
77.5°	30.0	34.0	30.0	20.0	24.0	22.0	24.0	20.0	28.0	46.0
80°	16.0	16.0	16.0	12.0	12.0	14.0	14.0	12.0	16.0	24.0
82.5°	6.0	6.0	6.0	4.0	6.0	6.0	6.0	8.0	8.0	10.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
229544.6
222160.7
198284.4
162693.0
120909.9
80653.3
48468.8
28039.4
15310.0
8874.3
5749.5
2814.7
1746.5
1232.3
970.3
810.2
702.2
544.1
424.1
378.1
400.1
554.1
510.1
450.1
416.1
390.1
360.1
308.1
268.1
236.1
212.1
198.1
192.1
178.0
130.0
96.0
62.0
34.0
20.0
10.0
2.0
2.0
0.0

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