

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: P525297

Luminaire Tested: **IFLD-M-SA4C-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525297  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

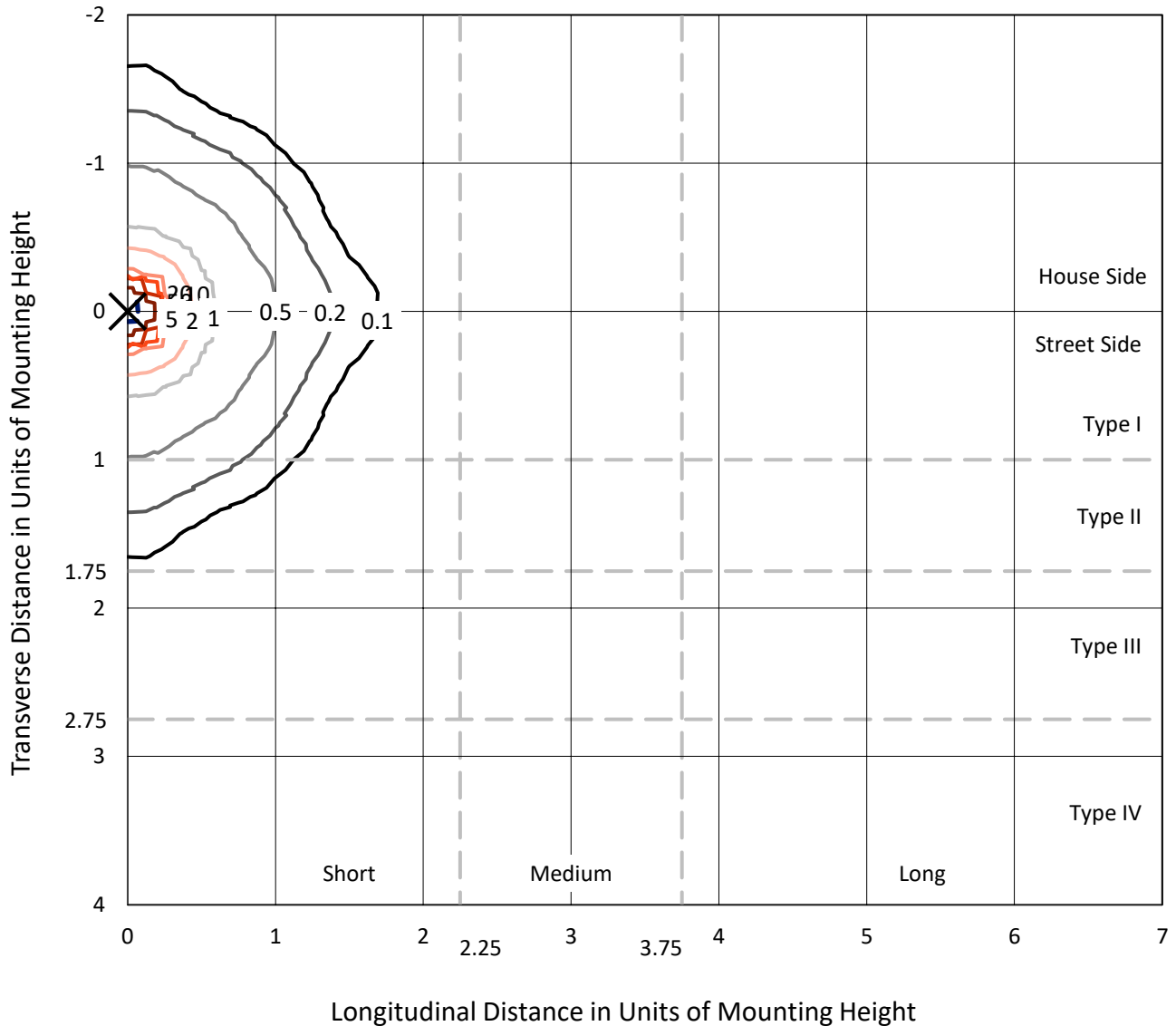
Lumens per Lamp: N/A  
Luminaire Lumens: 10500.6 lumens  
Efficiency: N/A  
Efficacy: 48.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

REPORT NUMBER: P525297  
 CATALOG NUMBER: IFLD-M-SA4C-930-U-11

### Iso-Footcandle Lines of Horizontal Illumination

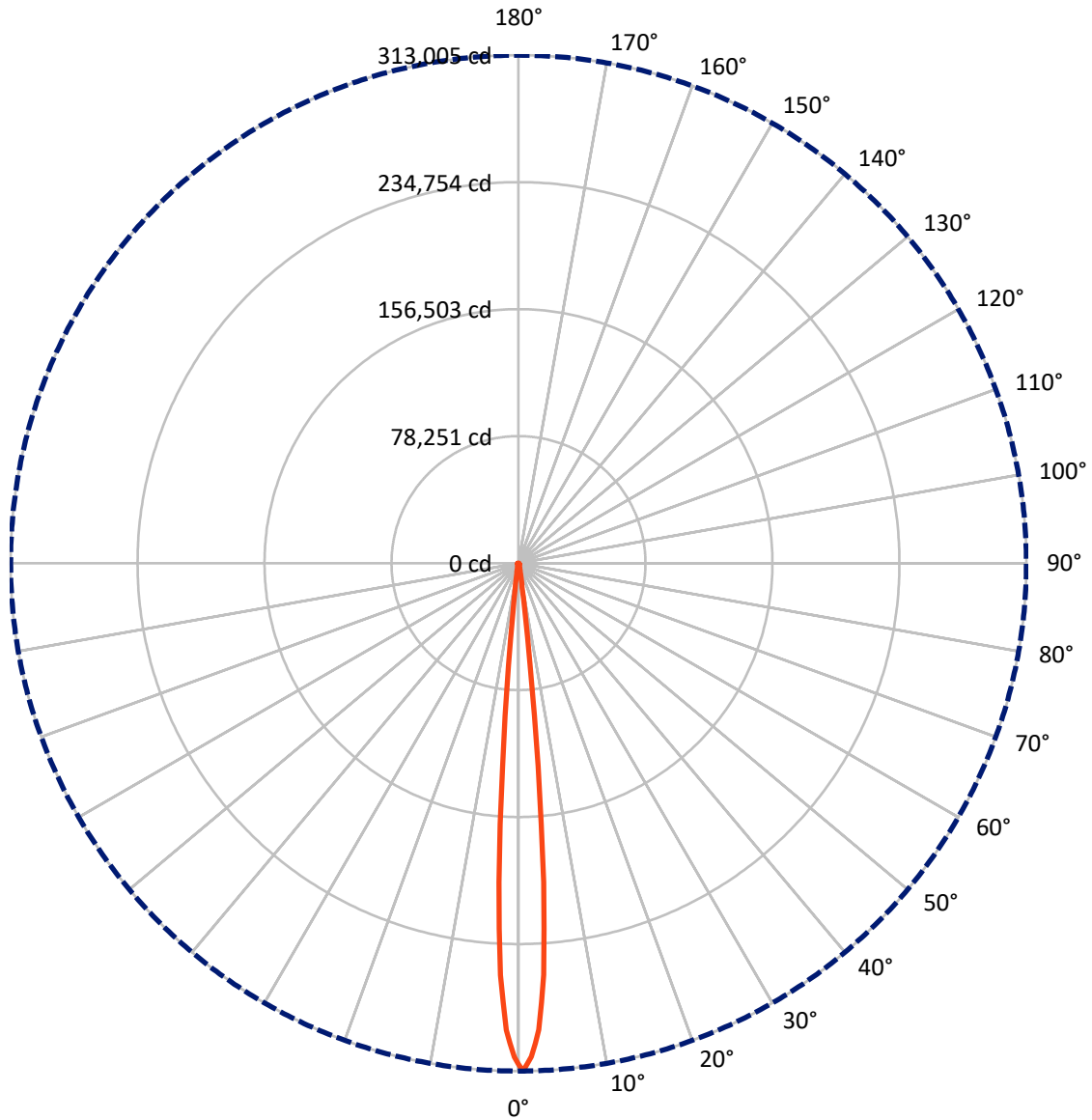
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 782.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P525297  
CATALOG NUMBER: IFLD-M-SA4C-930-U-11

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525297  
 CATALOG NUMBER: IFLD-M-SA4C-930-U-11

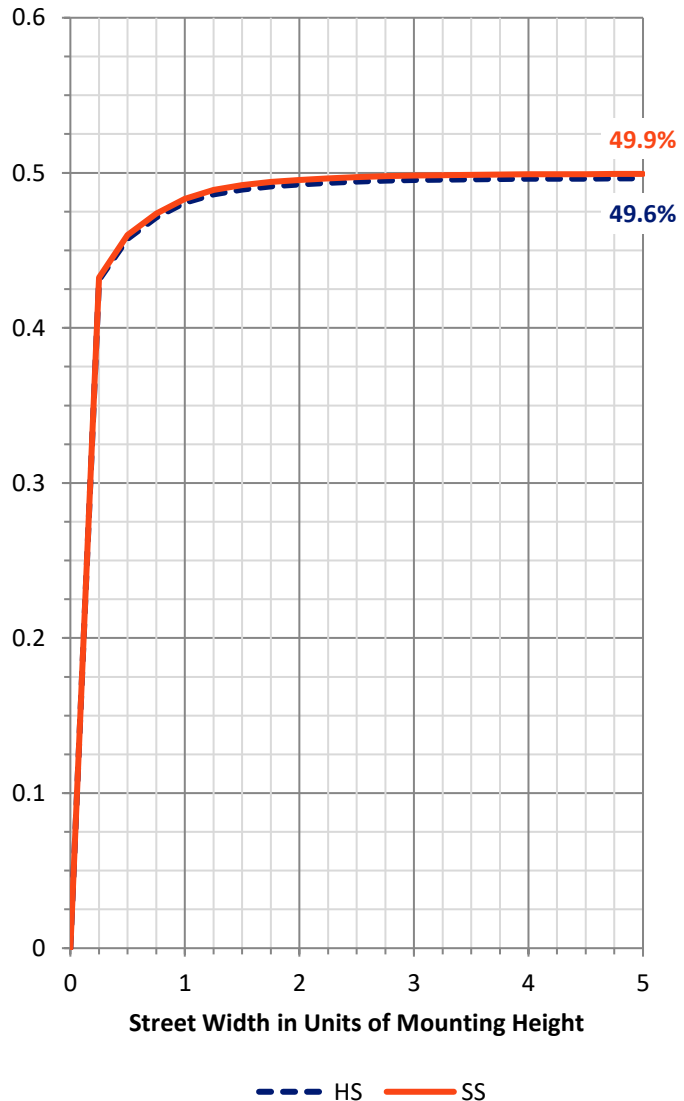
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5250.3	0.0	5250.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5250.3	0.0	5250.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10500.6	0.0	10500.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8064.4	76.8
10°-20°	786.6	7.5
20°-30°	420.2	4.0
30°-40°	346.6	3.3
40°-50°	385.9	3.7
50°-60°	259.5	2.5
60°-70°	165.6	1.6
70°-80°	65.4	0.6
80°-90°	6.4	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°	10500.6	100.0
0°-180°	10500.6	100.0

**Coefficient of Utilization**



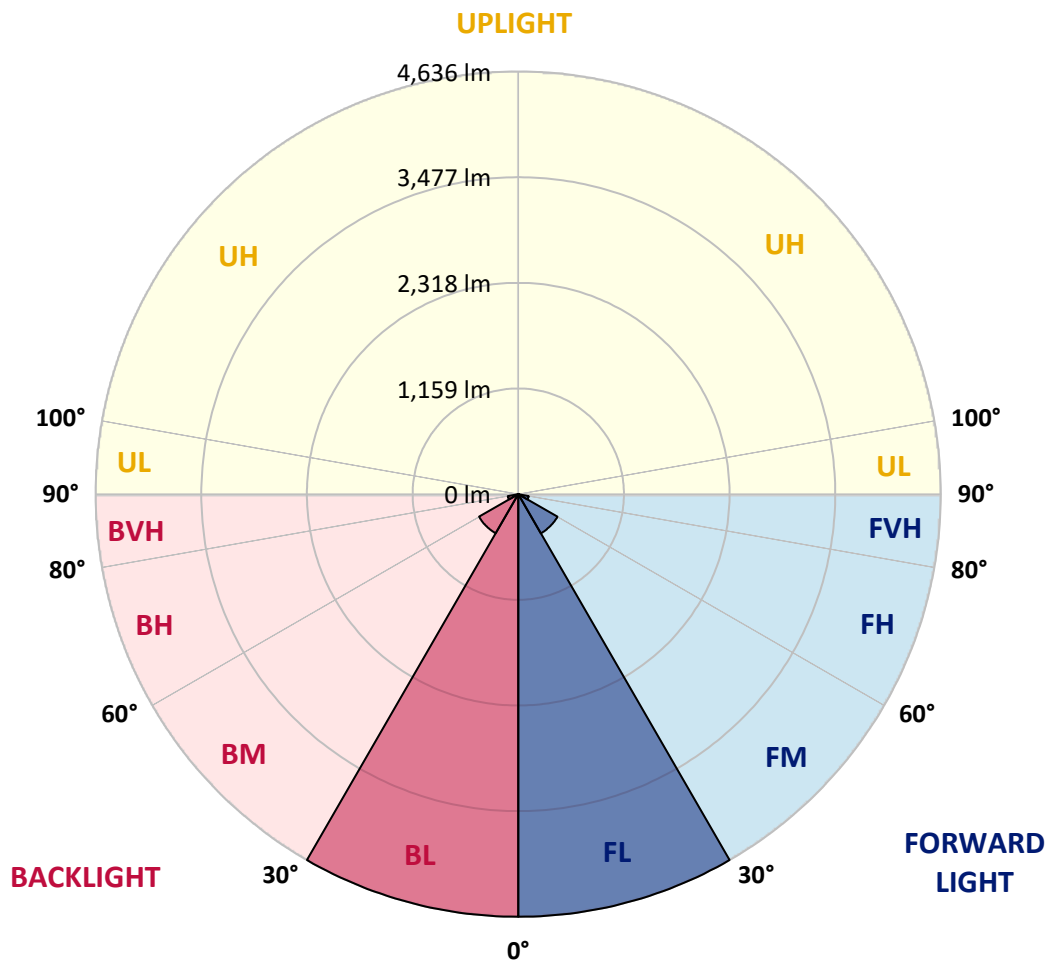
REPORT NUMBER: P525297  
 CATALOG NUMBER: IFLD-M-SA4C-930-U-11

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4635.6	44.1			
FM (30°-60°)	496.0	4.7			
FH (60°-80°)	115.5	1.1			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	4635.6	44.1	B4/5000		
BM (30°-60°)	496.0	4.7	B1/1000		
BH (60°-80°)	115.5	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





REPORT NUMBER: P525297  
 CATALOG NUMBER: IFLD-M-SA4C-930-U-11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	313005.0	313005.0	313005.0	313005.0	313005.0	313005.0	313005.0	313005.0	313005.0	313005.0
1°	304305.7	304835.0	304930.4	304300.3	302693.6	303072.7	303023.6	303108.2	302950.0	301946.1
2°	287829.2	288612.1	287788.3	286020.6	282359.8	281486.8	278570.7	275316.3	271851.9	268379.3
3°	254196.9	255844.6	254668.8	256556.5	249131.2	248381.0	242248.7	234163.2	225968.6	219328.8
4°	197088.3	200132.6	200536.3	206766.9	200667.3	202574.1	195568.8	184335.3	172076.1	162697.6
5°	125628.1	129872.7	132267.8	138111.0	140920.7	148237.0	144824.4	133549.9	119383.9	108595.1
6°	63475.6	65786.1	72221.2	78645.4	85819.8	95528.4	96843.3	86946.4	75672.0	65316.9
7°	29589.6	30544.3	35083.6	36453.0	44655.8	55188.2	56661.3	51235.5	45288.6	37263.2
8°	15289.9	15660.9	17319.5	18337.0	23121.7	29180.4	30214.3	26798.9	24365.6	20328.3
9°	9416.7	9580.4	10202.4	10431.5	12221.0	14916.2	15281.7	13852.3	13192.1	11798.2
10°	6530.6	6617.9	6909.8	6969.8	7567.2	8453.8	8486.5	8017.3	8028.2	7679.0
12.5°	3480.8	3508.1	3589.9	3598.1	3712.7	3805.4	3783.6	3786.3	3832.7	3786.3
15°	2226.0	2239.6	2288.7	2299.6	2359.6	2392.4	2376.0	2373.3	2389.6	2359.6
17.5°	1587.6	1595.8	1631.3	1661.3	1699.5	1710.4	1704.9	1699.5	1699.5	1672.2
20°	1238.5	1249.4	1273.9	1303.9	1323.0	1342.1	1344.9	1342.1	1333.9	1320.3
22.5°	1053.0	1058.4	1066.6	1080.2	1093.9	1102.1	1107.5	1110.3	1107.5	1102.1
25°	916.6	922.0	938.4	946.6	946.6	949.3	960.2	965.7	968.4	957.5
27.5°	676.5	690.2	714.7	728.4	728.4	733.8	742.0	752.9	763.8	744.7
30°	523.8	534.7	561.9	561.9	559.2	564.7	572.9	589.2	605.6	583.8
32.5°	471.9	471.9	477.4	480.1	480.1	488.3	493.8	507.4	521.0	515.6
35°	493.8	480.1	463.7	463.7	469.2	485.6	488.3	501.9	515.6	534.7
37.5°	717.4	676.5	616.5	605.6	605.6	624.7	616.5	624.7	649.2	720.2
40°	652.0	619.2	583.8	534.7	534.7	561.9	542.9	553.8	611.1	654.7
42.5°	581.0	581.0	542.9	496.5	496.5	510.1	504.7	510.1	575.6	611.1
45°	537.4	537.4	526.5	452.8	463.7	471.9	471.9	471.9	559.2	570.1
47.5°	512.8	512.8	485.6	417.4	431.0	433.7	439.2	433.7	501.9	540.1
50°	458.3	463.7	417.4	368.3	384.6	384.6	392.8	381.9	433.7	496.5
52.5°	395.5	401.0	330.1	291.9	311.0	308.3	319.2	302.8	343.7	431.0
55°	351.9	349.2	272.8	237.3	259.2	256.4	261.9	242.8	278.2	371.0
57.5°	305.5	311.0	223.7	193.7	218.2	212.8	221.0	199.1	229.1	330.1
60°	270.1	278.2	191.0	163.7	188.2	182.8	191.0	166.4	196.4	297.3
62.5°	259.2	259.2	169.1	139.1	163.7	158.2	163.7	139.1	174.6	272.8
65°	308.3	291.9	152.8	114.6	139.1	133.7	139.1	114.6	152.8	261.9
67.5°	409.2	390.1	144.6	90.0	111.8	103.7	111.8	92.7	133.7	245.5
70°	212.8	226.4	144.6	70.9	84.6	84.6	81.8	70.9	111.8	180.0
72.5°	122.8	125.5	111.8	54.6	65.5	70.9	62.7	54.6	81.8	133.7
75°	68.2	76.4	70.9	40.9	49.1	54.6	46.4	40.9	57.3	95.5
77.5°	40.9	46.4	40.9	27.3	32.7	30.0	32.7	27.3	38.2	62.7
80°	21.8	21.8	21.8	16.4	16.4	19.1	19.1	16.4	21.8	32.7
82.5°	8.2	8.2	8.2	5.5	8.2	8.2	8.2	10.9	10.9	13.6
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°  
313005.0  
302936.3  
270378.8  
221846.7  
164871.7  
109978.1  
66091.6  
38234.3  
20876.6  
12101.0  
7840.0  
3838.2  
2381.5  
1680.4  
1323.0  
1104.8  
957.5  
742.0  
578.3  
515.6  
545.6  
755.6  
695.6  
613.8  
567.4  
531.9  
491.0  
420.1  
365.5  
321.9  
289.2  
270.1  
261.9  
242.8  
177.3  
130.9  
84.6  
46.4  
27.3  
13.6  
2.7  
2.7  
0.0

OF REPORT)