

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: P525233

Luminaire Tested: **IFLD-S-SA2C-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525233  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

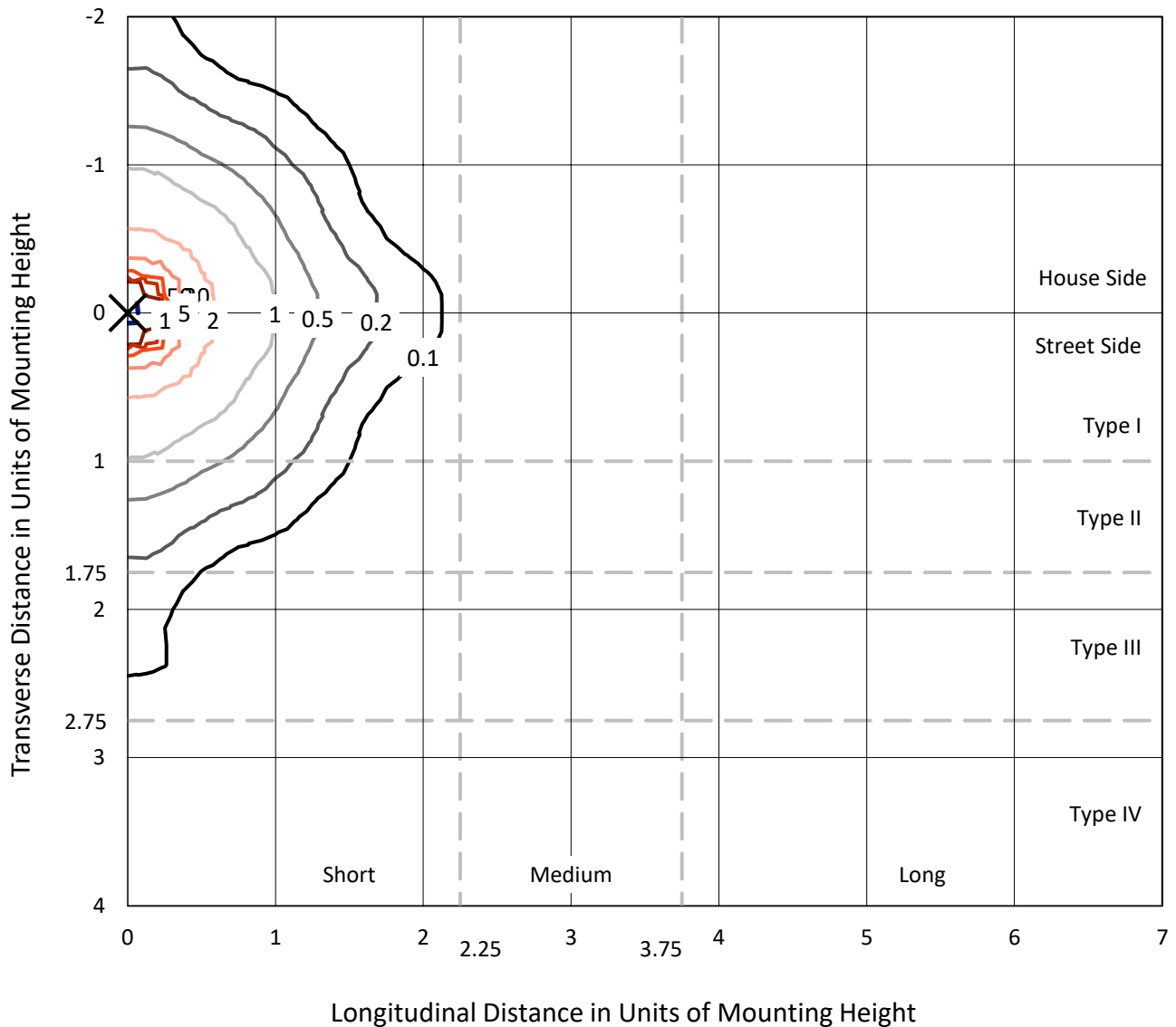
Lumens per Lamp: N/A  
Luminaire Lumens: 5192.5 lumens  
Efficiency: N/A  
Efficacy: 48.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 108.2  
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

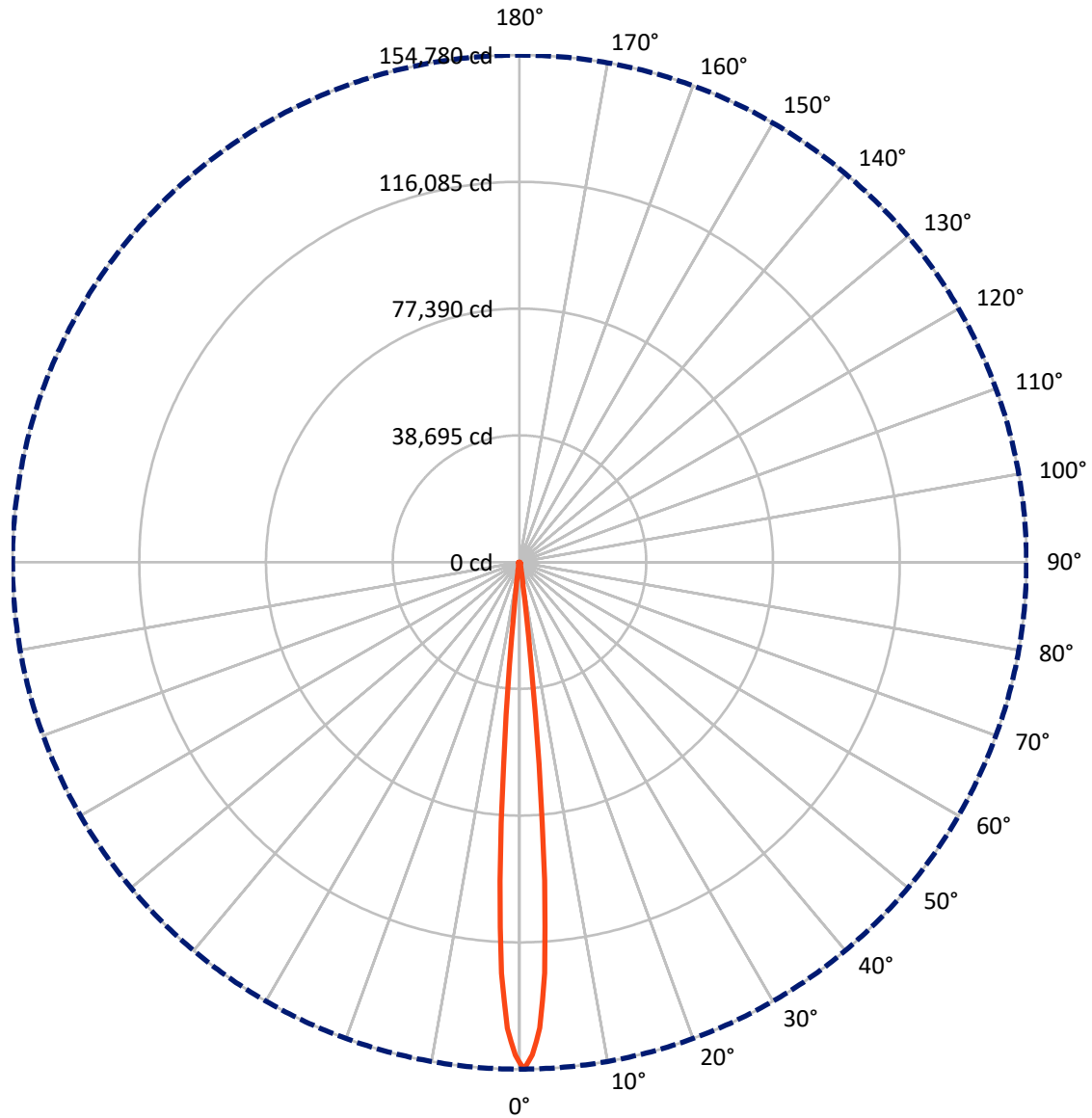
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1547.8 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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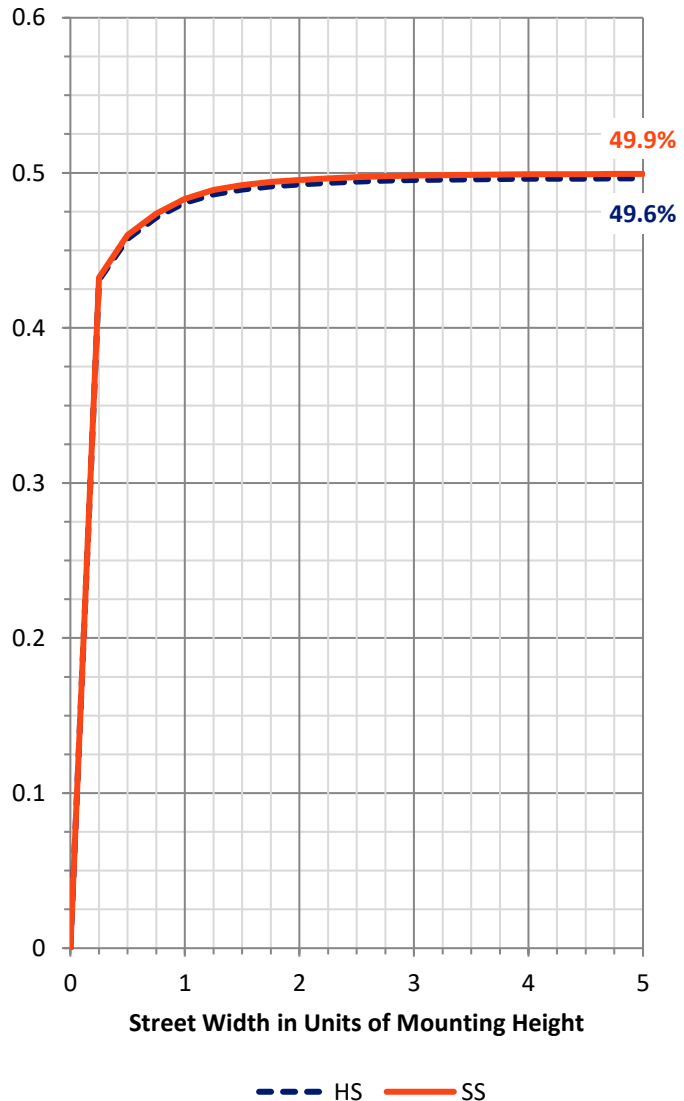
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2596.2	0.0	2596.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2596.2	0.0	2596.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5192.5	0.0	5192.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3987.8	76.8
10°-20°	389.0	7.5
20°-30°	207.8	4.0
30°-40°	171.4	3.3
40°-50°	190.8	3.7
50°-60°	128.3	2.5
60°-70°	81.9	1.6
70°-80°	32.3	0.6
80°-90°	3.1	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°	5192.5	100.0
0°-180°	5192.5	100.0

**Coefficient of Utilization**



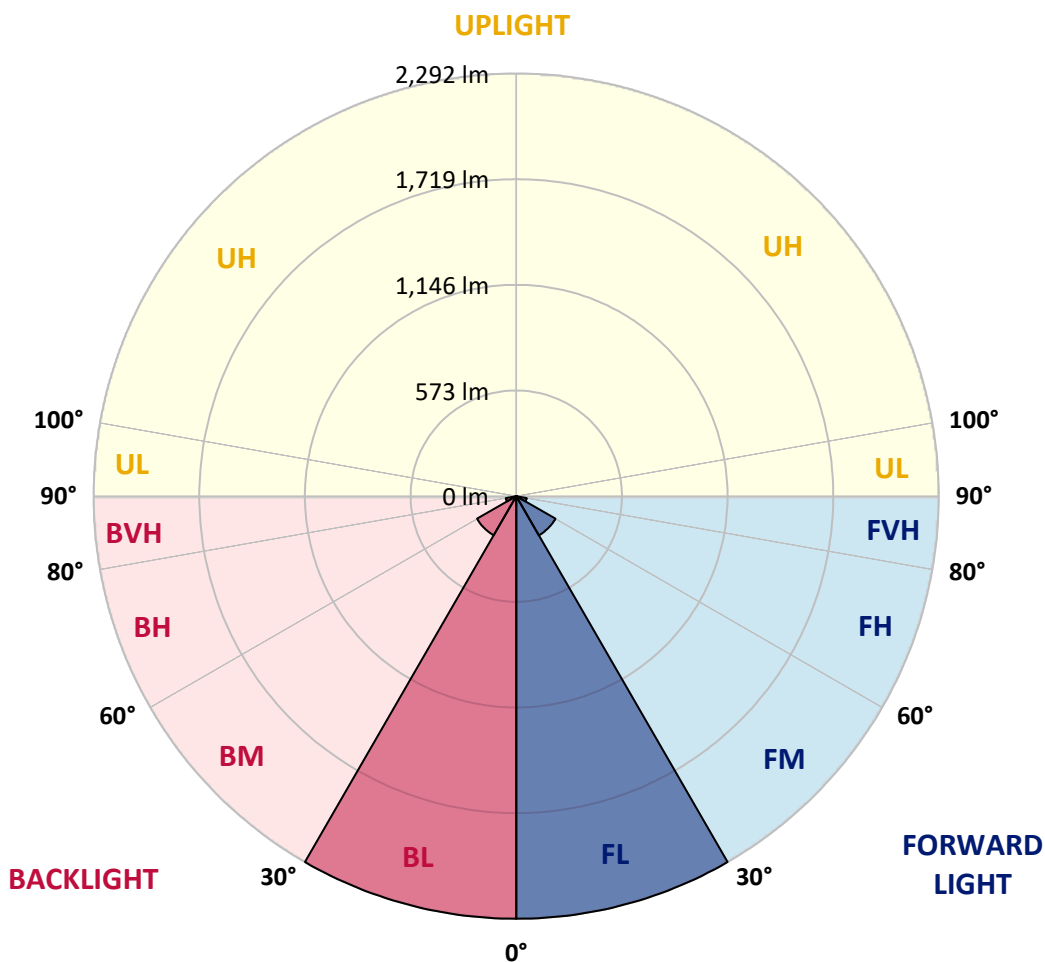
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2292.3	44.1			
FM (30°-60°)	245.3	4.7			
FH (60°-80°)	57.1	1.1			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	2292.3	44.1	B3/2500		
BM (30°-60°)	245.3	4.7	B1/1000		
BH (60°-80°)	57.1	1.1	B0/110		G0/660
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	154779.6	154779.6	154779.6	154779.6	154779.6	154779.6	154779.6	154779.6	154779.6	154779.6
1°	150477.9	150739.6	150786.8	150475.2	149680.6	149868.2	149843.9	149885.7	149807.4	149311.0
2°	142330.3	142717.4	142310.1	141436.0	139625.7	139194.0	137752.0	136142.7	134429.6	132712.4
3°	125699.3	126514.0	125932.6	126866.1	123194.3	122823.3	119790.9	115792.7	111740.5	108457.2
4°	97459.3	98964.7	99164.3	102245.3	99229.1	100172.0	96707.9	91153.0	85090.9	80453.2
5°	62122.6	64221.5	65405.9	68295.3	69684.7	73302.5	71615.0	66039.9	59034.8	53699.8
6°	31388.4	32530.9	35713.1	38889.8	42437.5	47238.4	47888.6	42994.6	37419.5	32298.9
7°	14631.9	15104.0	17348.7	18025.8	22082.1	27290.3	28018.8	25335.7	22395.0	18426.5
8°	7560.8	7744.2	8564.4	9067.5	11433.6	14429.6	14940.8	13251.9	12048.7	10052.3
9°	4656.5	4737.5	5045.0	5158.3	6043.2	7376.0	7556.7	6849.9	6523.5	5834.1
10°	3229.4	3272.5	3416.9	3446.5	3741.9	4180.4	4196.5	3964.5	3969.9	3797.3
12.5°	1721.2	1734.7	1775.2	1779.2	1835.9	1881.8	1871.0	1872.3	1895.3	1872.3
15°	1100.7	1107.5	1131.8	1137.2	1166.8	1183.0	1174.9	1173.6	1181.7	1166.8
17.5°	785.1	789.1	806.7	821.5	840.4	845.8	843.1	840.4	840.4	826.9
20°	612.4	617.8	630.0	644.8	654.2	663.7	665.0	663.7	659.6	652.9
22.5°	520.7	523.4	527.4	534.2	540.9	545.0	547.7	549.0	547.7	545.0
25°	453.2	455.9	464.0	468.1	468.1	469.4	474.8	477.5	478.9	473.5
27.5°	334.5	341.3	353.4	360.2	360.2	362.9	366.9	372.3	377.7	368.3
30°	259.0	264.4	277.9	277.9	276.5	279.2	283.3	291.4	299.5	288.7
32.5°	233.4	233.4	236.1	237.4	237.4	241.5	244.2	250.9	257.6	254.9
35°	244.2	237.4	229.3	229.3	232.0	240.1	241.5	248.2	254.9	264.4
37.5°	354.8	334.5	304.9	299.5	299.5	308.9	304.9	308.9	321.0	356.1
40°	322.4	306.2	288.7	264.4	264.4	277.9	268.4	273.8	302.2	323.7
42.5°	287.3	287.3	268.4	245.5	245.5	252.3	249.6	252.3	284.6	302.2
45°	265.7	265.7	260.3	223.9	229.3	233.4	233.4	233.4	276.5	281.9
47.5°	253.6	253.6	240.1	206.4	213.1	214.5	217.2	214.5	248.2	267.1
50°	226.6	229.3	206.4	182.1	190.2	190.2	194.2	188.9	214.5	245.5
52.5°	195.6	198.3	163.2	144.3	153.8	152.4	157.8	149.7	170.0	213.1
55°	174.0	172.7	134.9	117.4	128.1	126.8	129.5	120.1	137.6	183.5
57.5°	151.1	153.8	110.6	95.8	107.9	105.2	109.3	98.5	113.3	163.2
60°	133.5	137.6	94.4	80.9	93.1	90.4	94.4	82.3	97.1	147.0
62.5°	128.1	128.1	83.6	68.8	80.9	78.2	80.9	68.8	86.3	134.9
65°	152.4	144.3	75.5	56.7	68.8	66.1	68.8	56.7	75.5	129.5
67.5°	202.3	192.9	71.5	44.5	55.3	51.3	55.3	45.9	66.1	121.4
70°	105.2	112.0	71.5	35.1	41.8	41.8	40.5	35.1	55.3	89.0
72.5°	60.7	62.1	55.3	27.0	32.4	35.1	31.0	27.0	40.5	66.1
75°	33.7	37.8	35.1	20.2	24.3	27.0	22.9	20.2	28.3	47.2
77.5°	20.2	22.9	20.2	13.5	16.2	14.8	16.2	13.5	18.9	31.0
80°	10.8	10.8	10.8	8.1	8.1	9.4	9.4	8.1	10.8	16.2
82.5°	4.0	4.0	4.0	2.7	4.0	4.0	4.0	5.4	5.4	6.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
154779.6  
149800.7  
133701.2  
109702.2  
81528.3  
54383.7  
32682.0  
18906.7  
10323.4  
5983.9  
3876.8  
1898.0  
1177.6  
830.9  
654.2  
546.3  
473.5  
366.9  
286.0  
254.9  
269.8  
373.7  
344.0  
303.5  
280.6  
263.0  
242.8  
207.7  
180.8  
159.2  
143.0  
133.5  
129.5  
120.1  
87.7  
64.7  
41.8  
22.9  
13.5  
6.7  
1.3  
1.3  
0.0

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