

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: P525235

Luminaire Tested: **IFLD-S-SA2E-927-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525235  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-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**

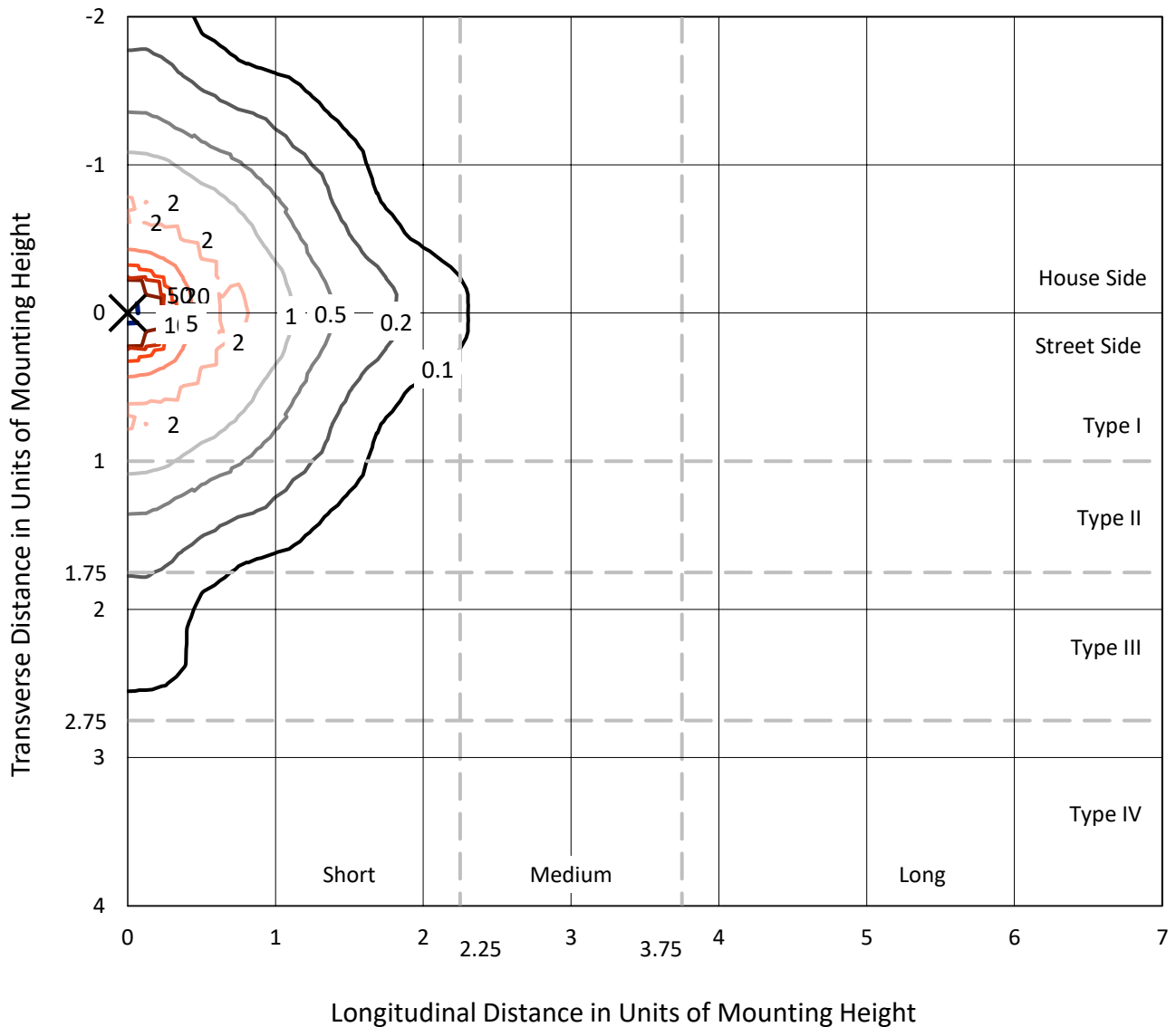
Lumens per Lamp: N/A  
Luminaire Lumens: 6612.1 lumens  
Efficiency: N/A  
Efficacy: 42.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 156.2  
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

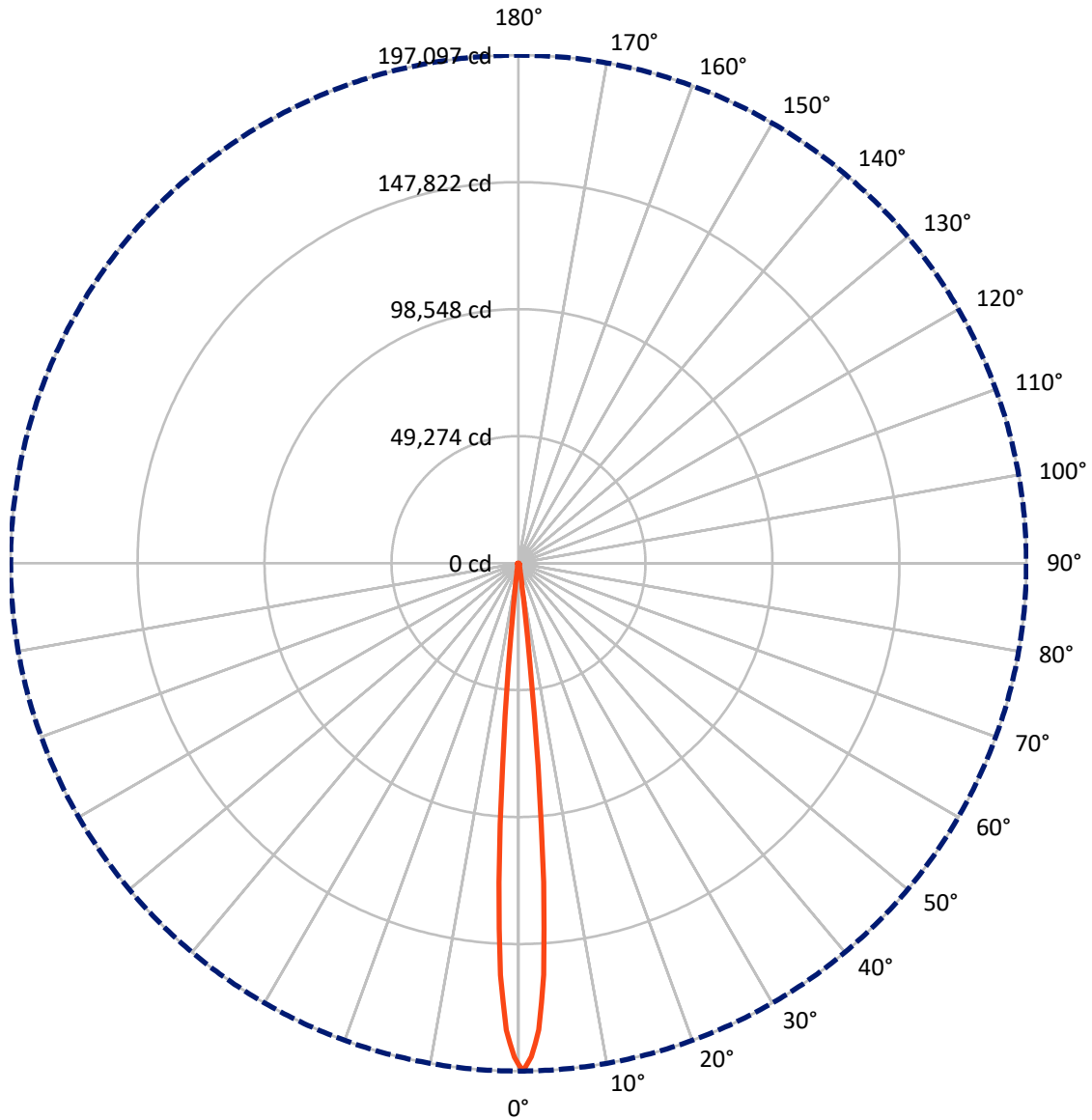
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1971 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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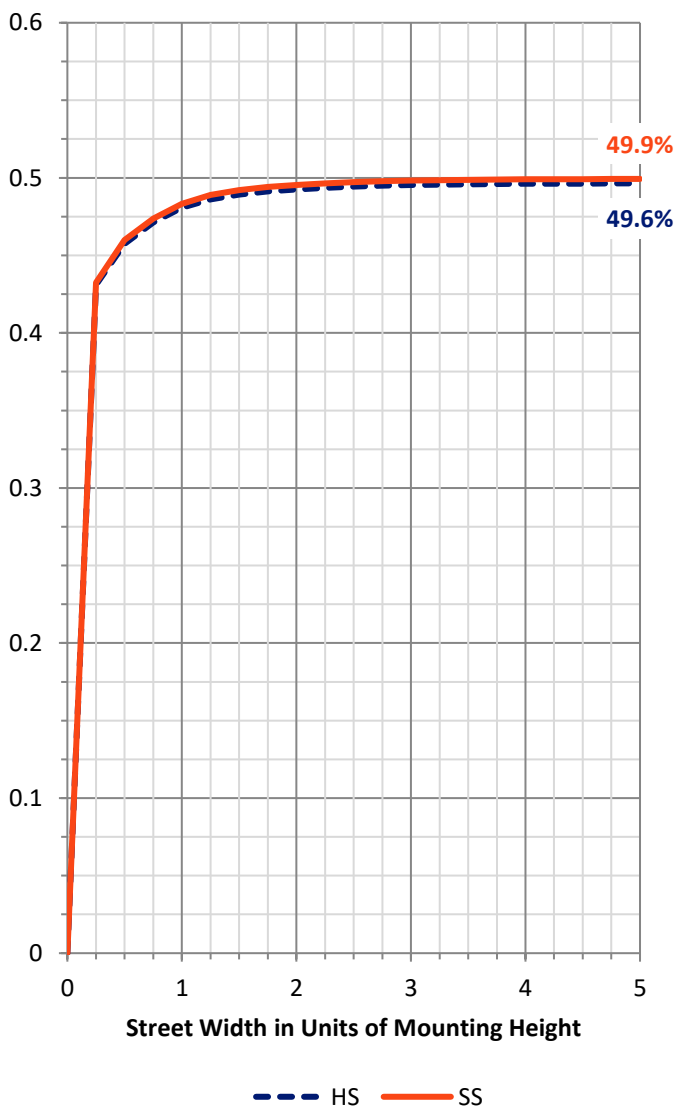
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3306.1	0.0	3306.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3306.1	0.0	3306.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6612.1	0.0	6612.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5078.1	76.8
10°-20°	495.3	7.5
20°-30°	264.6	4.0
30°-40°	218.2	3.3
40°-50°	243.0	3.7
50°-60°	163.4	2.5
60°-70°	104.3	1.6
70°-80°	41.2	0.6
80°-90°	4.0	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°	6612.1	100.0
0°-180°	6612.1	100.0

**Coefficient of Utilization**



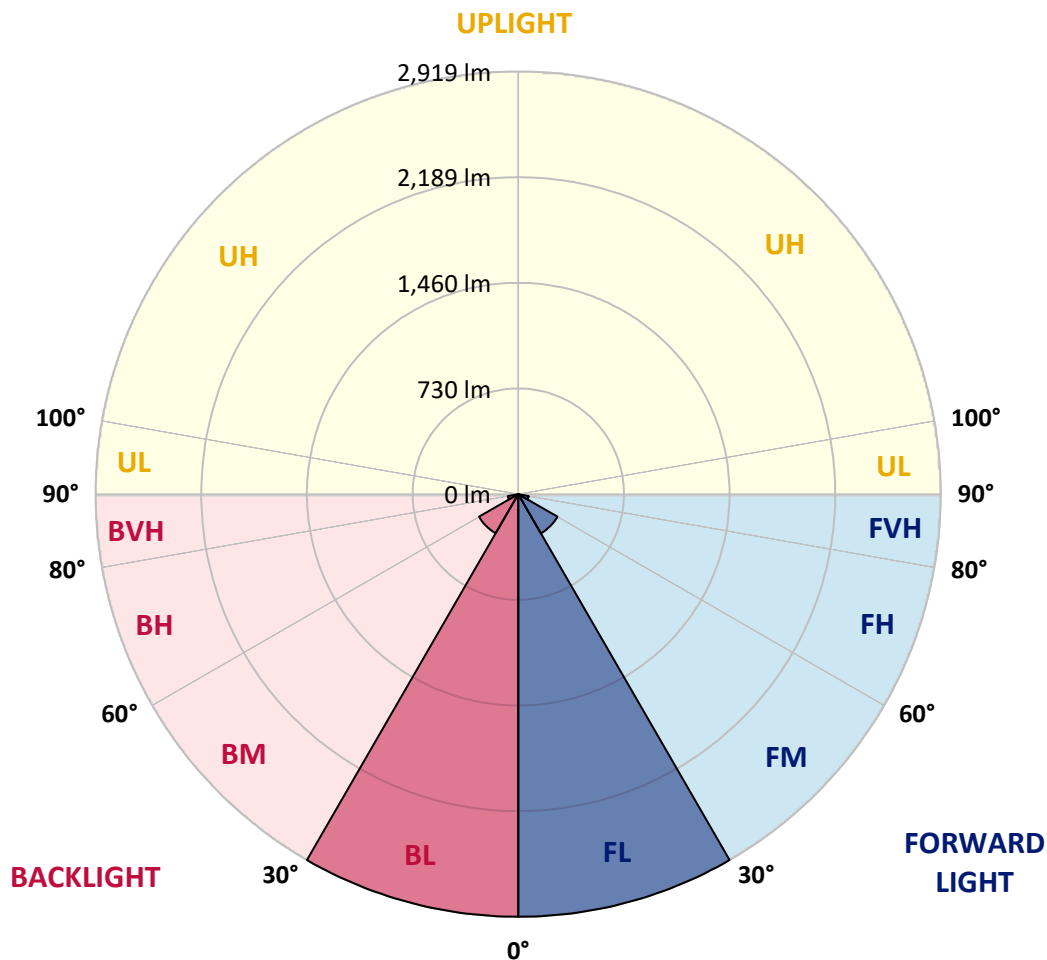
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 CATALOG NUMBER: IFLD-S-SA2E-927-U-11

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2919.0	44.1			
FM (30°-60°)	312.3	4.7			
FH (60°-80°)	72.7	1.1			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	2919.0	44.1	B4/5000		
BM (30°-60°)	312.3	4.7	B1/1000		
BH (60°-80°)	72.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.0	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°	197096.6	197096.6	197096.6	197096.6	197096.6	197096.6	197096.6	197096.6	197096.6	197096.6
1°	191618.8	191952.0	192012.1	191615.3	190603.6	190842.3	190811.4	190864.7	190765.0	190132.9
2°	181243.6	181736.6	181217.9	180104.8	177799.6	177249.9	175413.6	173364.4	171182.8	168996.2
3°	160065.6	161103.1	160362.8	161551.5	156875.8	156403.4	152541.9	147450.6	142290.5	138109.5
4°	124104.8	126021.8	126276.0	130199.3	126358.5	127559.2	123148.0	116074.4	108354.9	102449.3
5°	79107.0	81779.8	83287.9	86967.3	88736.6	93343.6	91194.7	84095.3	75175.1	68381.4
6°	39970.0	41425.0	45477.1	49522.4	54040.0	60153.4	60981.4	54749.4	47650.0	41129.5
7°	18632.3	19233.5	22091.8	22954.1	28119.4	34751.5	35679.1	32262.5	28517.9	23464.3
8°	9627.9	9861.5	10905.9	11546.6	14559.5	18374.6	19025.7	16875.1	15342.8	12800.6
9°	5929.6	6032.7	6424.3	6568.6	7695.5	9392.6	9622.8	8722.7	8307.0	7429.2
10°	4112.3	4167.2	4351.0	4388.8	4765.0	5323.3	5343.9	5048.4	5055.3	4835.4
12.5°	2191.8	2209.0	2260.5	2265.7	2337.8	2396.2	2382.5	2384.2	2413.4	2384.2
15°	1401.7	1410.3	1441.2	1448.1	1485.8	1506.5	1496.1	1494.4	1504.7	1485.8
17.5°	999.7	1004.9	1027.2	1046.1	1070.2	1077.0	1073.6	1070.2	1070.2	1053.0
20°	779.9	786.7	802.2	821.1	833.1	845.1	846.8	845.1	840.0	831.4
22.5°	663.0	666.5	671.6	680.2	688.8	694.0	697.4	699.1	697.4	694.0
25°	577.2	580.6	590.9	596.1	596.1	597.8	604.6	608.1	609.8	602.9
27.5°	426.0	434.6	450.0	458.6	458.6	462.1	467.2	474.1	481.0	468.9
30°	329.8	336.7	353.9	353.9	352.1	355.6	360.7	371.0	381.3	367.6
32.5°	297.2	297.2	300.6	302.3	302.3	307.5	310.9	319.5	328.1	324.7
35°	310.9	302.3	292.0	292.0	295.5	305.8	307.5	316.1	324.7	336.7
37.5°	451.8	426.0	388.2	381.3	381.3	393.4	388.2	393.4	408.8	453.5
40°	410.5	389.9	367.6	336.7	336.7	353.9	341.8	348.7	384.8	412.3
42.5°	365.9	365.9	341.8	312.6	312.6	321.2	317.8	321.2	362.4	384.8
45°	338.4	338.4	331.5	285.1	292.0	297.2	297.2	297.2	352.1	359.0
47.5°	322.9	322.9	305.8	262.8	271.4	273.1	276.6	273.1	316.1	340.1
50°	288.6	292.0	262.8	231.9	242.2	242.2	247.4	240.5	273.1	312.6
52.5°	249.1	252.5	207.8	183.8	195.8	194.1	201.0	190.7	216.4	271.4
55°	221.6	219.9	171.8	149.4	163.2	161.5	164.9	152.9	175.2	233.6
57.5°	192.4	195.8	140.9	122.0	137.4	134.0	139.1	125.4	144.3	207.8
60°	170.1	175.2	120.2	103.1	118.5	115.1	120.2	104.8	123.7	187.2
62.5°	163.2	163.2	106.5	87.6	103.1	99.6	103.1	87.6	109.9	171.8
65°	194.1	183.8	96.2	72.1	87.6	84.2	87.6	72.1	96.2	164.9
67.5°	257.7	245.6	91.0	56.7	70.4	65.3	70.4	58.4	84.2	154.6
70°	134.0	142.6	91.0	44.7	53.2	53.2	51.5	44.7	70.4	113.4
72.5°	77.3	79.0	70.4	34.4	41.2	44.7	39.5	34.4	51.5	84.2
75°	42.9	48.1	44.7	25.8	30.9	34.4	29.2	25.8	36.1	60.1
77.5°	25.8	29.2	25.8	17.2	20.6	18.9	20.6	17.2	24.0	39.5
80°	13.7	13.7	13.7	10.3	10.3	12.0	12.0	10.3	13.7	20.6
82.5°	5.2	5.2	5.2	3.4	5.2	5.2	5.2	6.9	6.9	8.6
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
197096.6  
190756.4  
170255.3  
139695.0  
103818.3  
69252.3  
41617.3  
24075.8  
13145.8  
7619.9  
4936.8  
2416.9  
1499.6  
1058.1  
833.1  
695.7  
602.9  
467.2  
364.2  
324.7  
343.5  
475.8  
438.0  
386.5  
357.3  
335.0  
309.2  
264.5  
230.2  
202.7  
182.1  
170.1  
164.9  
152.9  
111.7  
82.5  
53.2  
29.2  
17.2  
8.6  
1.7  
1.7  
0.0

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