

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: P525279

Luminaire Tested: **IFLD-S-SA3E-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525279  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (48) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

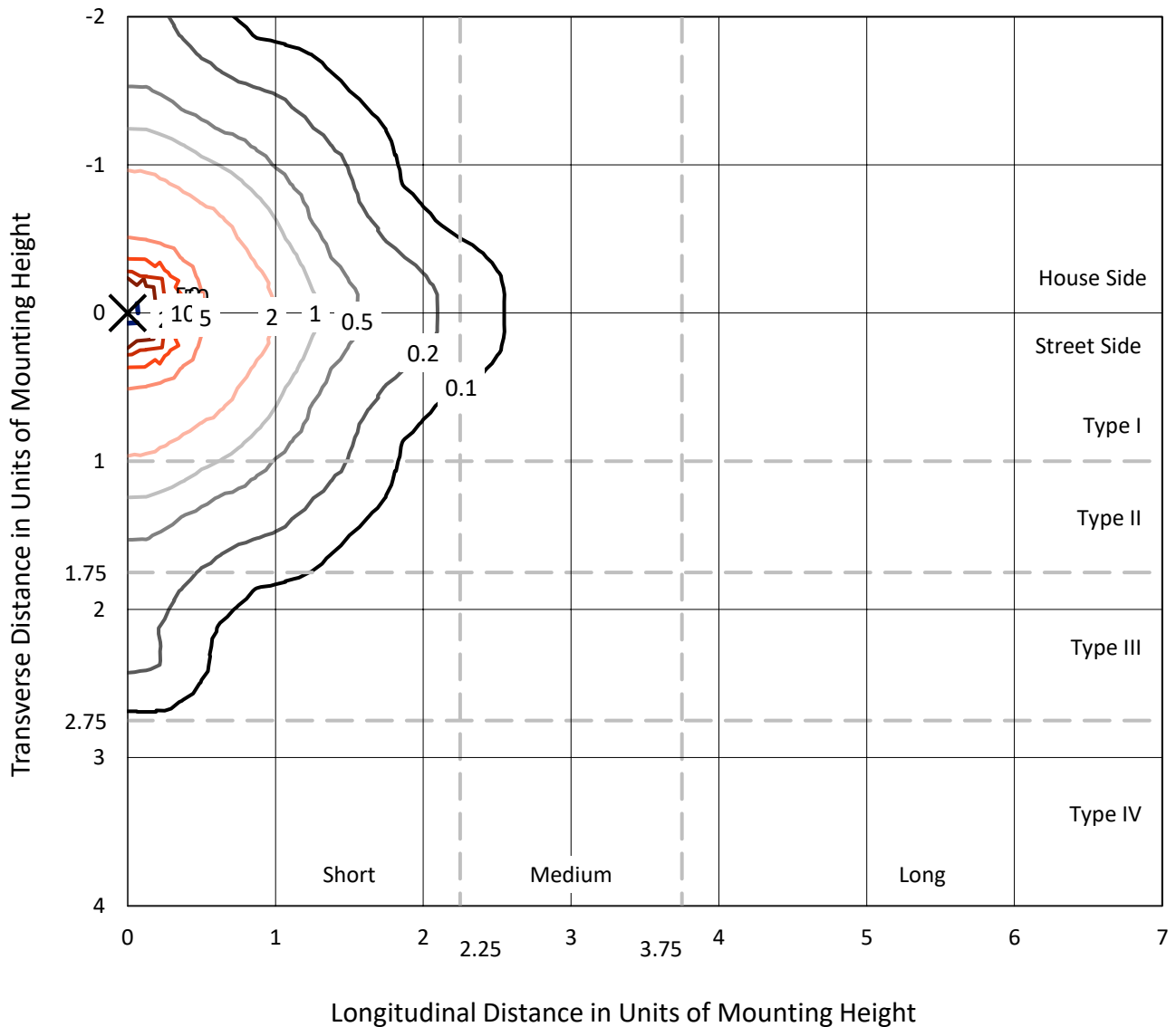
Lumens per Lamp: N/A  
Luminaire Lumens: 9962 lumens  
Efficiency: N/A  
Efficacy: 42.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 232.1  
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

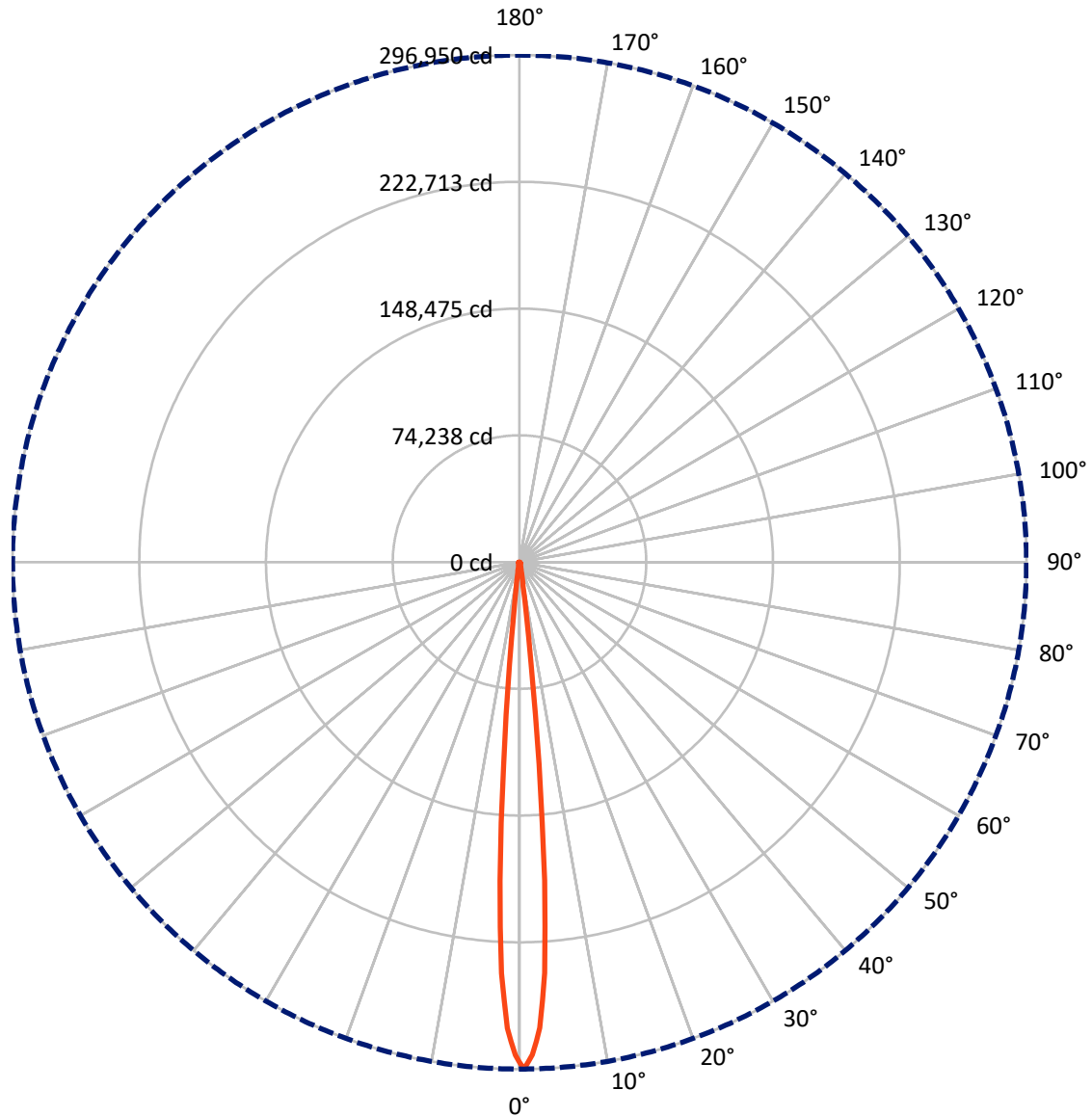
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2969.5 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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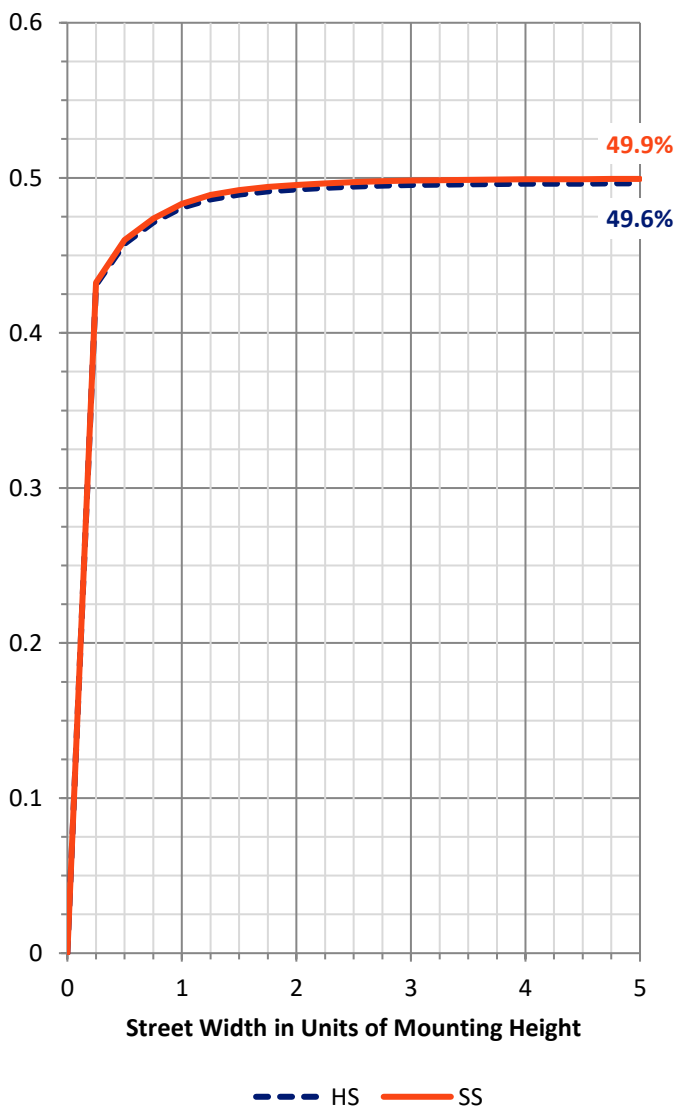
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4981.0	0.0	4981.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4981.0	0.0	4981.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9962.0	0.0	9962.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7650.8	76.8
10°-20°	746.2	7.5
20°-30°	398.7	4.0
30°-40°	328.8	3.3
40°-50°	366.1	3.7
50°-60°	246.2	2.5
60°-70°	157.1	1.6
70°-80°	62.0	0.6
80°-90°	6.1	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°	9962.0	100.0
0°-180°	9962.0	100.0

**Coefficient of Utilization**



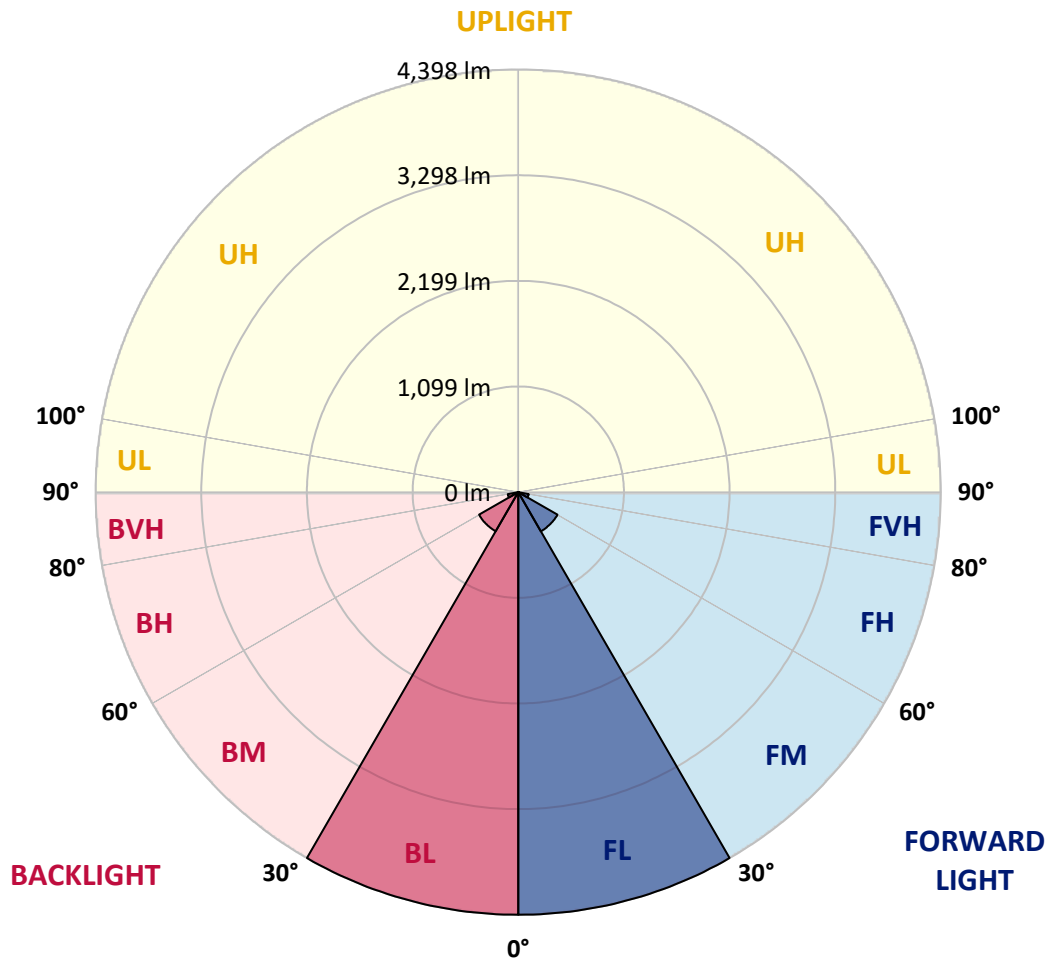
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4397.8	44.1			
FM (30°-60°)	470.6	4.7			
FH (60°-80°)	109.6	1.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4397.8	44.1	B4/5000		
BM (30°-60°)	470.6	4.7	B1/1000		
BH (60°-80°)	109.6	1.1	B0/110		G0/660
BVH (80°-90°)	3.0	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°	296950.2	296950.2	296950.2	296950.2	296950.2	296950.2	296950.2	296950.2	296950.2	296950.2
1°	288697.1	289199.2	289289.8	288691.9	287167.6	287527.3	287480.8	287561.0	287410.9	286458.5
2°	273065.7	273808.5	273026.9	271349.9	267876.8	267048.6	264282.1	261194.6	257907.9	254613.4
3°	241158.5	242721.6	241606.2	243397.1	236352.6	235640.9	229823.1	222152.3	214378.0	208078.9
4°	186979.1	189867.3	190250.3	196161.2	190374.5	192183.5	185537.6	174880.3	163249.9	154352.4
5°	119184.3	123211.2	125483.5	131026.9	133692.5	140633.5	137395.9	126699.8	113260.4	103025.0
6°	60219.7	62411.8	68516.8	74611.5	81417.9	90628.5	91875.9	82486.7	71790.6	61966.6
7°	28071.8	28977.6	33284.0	34583.2	42365.3	52357.5	53755.0	48607.5	42965.7	35351.8
8°	14505.6	14857.6	16431.1	17396.4	21935.7	27683.6	28664.5	25424.3	23115.9	19285.6
9°	8933.7	9089.0	9679.1	9896.4	11594.2	14151.1	14497.9	13141.8	12515.5	11193.0
10°	6195.6	6278.4	6555.4	6612.3	7179.1	8020.2	8051.2	7606.1	7616.4	7285.2
12.5°	3302.3	3328.1	3405.8	3413.5	3522.2	3610.2	3589.5	3592.1	3636.1	3592.1
15°	2111.8	2124.7	2171.3	2181.7	2238.6	2269.7	2254.1	2251.5	2267.1	2238.6
17.5°	1506.2	1514.0	1547.6	1576.1	1612.3	1622.7	1617.5	1612.3	1612.3	1586.4
20°	1174.9	1185.3	1208.6	1237.1	1255.2	1273.3	1275.9	1273.3	1265.5	1252.6
22.5°	999.0	1004.1	1011.9	1024.8	1037.8	1045.5	1050.7	1053.3	1050.7	1045.5
25°	869.6	874.7	890.3	898.0	898.0	900.6	911.0	916.1	918.7	908.4
27.5°	641.8	654.8	678.1	691.0	691.0	696.2	703.9	714.3	724.6	706.5
30°	496.9	507.2	533.1	533.1	530.5	535.7	543.5	559.0	574.5	553.8
32.5°	447.7	447.7	452.9	455.5	455.5	463.2	468.4	481.4	494.3	489.1
35°	468.4	455.5	440.0	440.0	445.1	460.7	463.2	476.2	489.1	507.2
37.5°	680.6	641.8	584.9	574.5	574.5	592.6	584.9	592.6	615.9	683.2
40°	618.5	587.5	553.8	507.2	507.2	533.1	515.0	525.4	579.7	621.1
42.5°	551.2	551.2	515.0	471.0	471.0	484.0	478.8	484.0	546.1	579.7
45°	509.8	509.8	499.5	429.6	440.0	447.7	447.7	447.7	530.5	540.9
47.5°	486.5	486.5	460.7	396.0	408.9	411.5	416.7	411.5	476.2	512.4
50°	434.8	440.0	396.0	349.4	364.9	364.9	372.7	362.3	411.5	471.0
52.5°	375.3	380.4	313.1	276.9	295.0	292.4	302.8	287.3	326.1	408.9
55°	333.8	331.3	258.8	225.2	245.9	243.3	248.4	230.3	264.0	352.0
57.5°	289.9	295.0	212.2	183.7	207.0	201.9	209.6	188.9	217.4	313.1
60°	256.2	264.0	181.2	155.3	178.6	173.4	181.2	157.9	186.3	282.1
62.5°	245.9	245.9	160.5	132.0	155.3	150.1	155.3	132.0	165.6	258.8
65°	292.4	276.9	144.9	108.7	132.0	126.8	132.0	108.7	144.9	248.4
67.5°	388.2	370.1	137.2	85.4	106.1	98.3	106.1	88.0	126.8	232.9
70°	201.9	214.8	137.2	67.3	80.2	80.2	77.6	67.3	106.1	170.8
72.5°	116.5	119.0	106.1	51.8	62.1	67.3	59.5	51.8	77.6	126.8
75°	64.7	72.5	67.3	38.8	46.6	51.8	44.0	38.8	54.3	90.6
77.5°	38.8	44.0	38.8	25.9	31.1	28.5	31.1	25.9	36.2	59.5
80°	20.7	20.7	20.7	15.5	15.5	18.1	18.1	15.5	20.7	31.1
82.5°	7.8	7.8	7.8	5.2	7.8	7.8	7.8	10.4	10.4	12.9
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
296950.2  
287397.9  
256510.4  
210467.6  
156415.0  
104337.1  
62701.6  
36273.1  
19805.8  
11480.3  
7437.9  
3641.3  
2259.3  
1594.2  
1255.2  
1048.1  
908.4  
703.9  
548.7  
489.1  
517.6  
716.9  
659.9  
582.3  
538.3  
504.7  
465.8  
398.5  
346.8  
305.4  
274.3  
256.2  
248.4  
230.3  
168.2  
124.2  
80.2  
44.0  
25.9  
12.9  
2.6  
2.6  
0.0

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