

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: P525278

Luminaire Tested: **IFLD-S-SA3D-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525278  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-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**

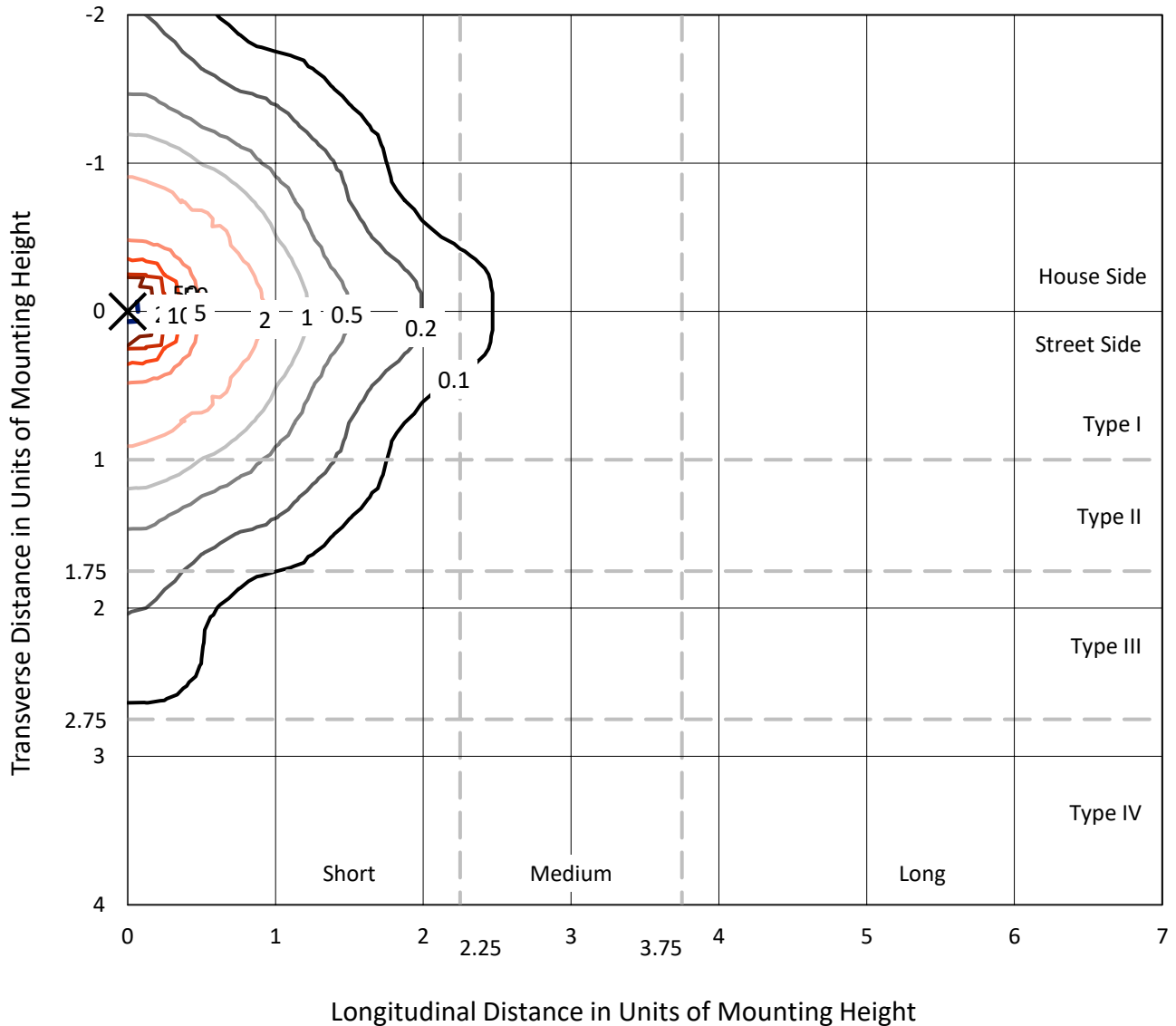
Lumens per Lamp: N/A  
Luminaire Lumens: 8607.9 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 184.1  
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

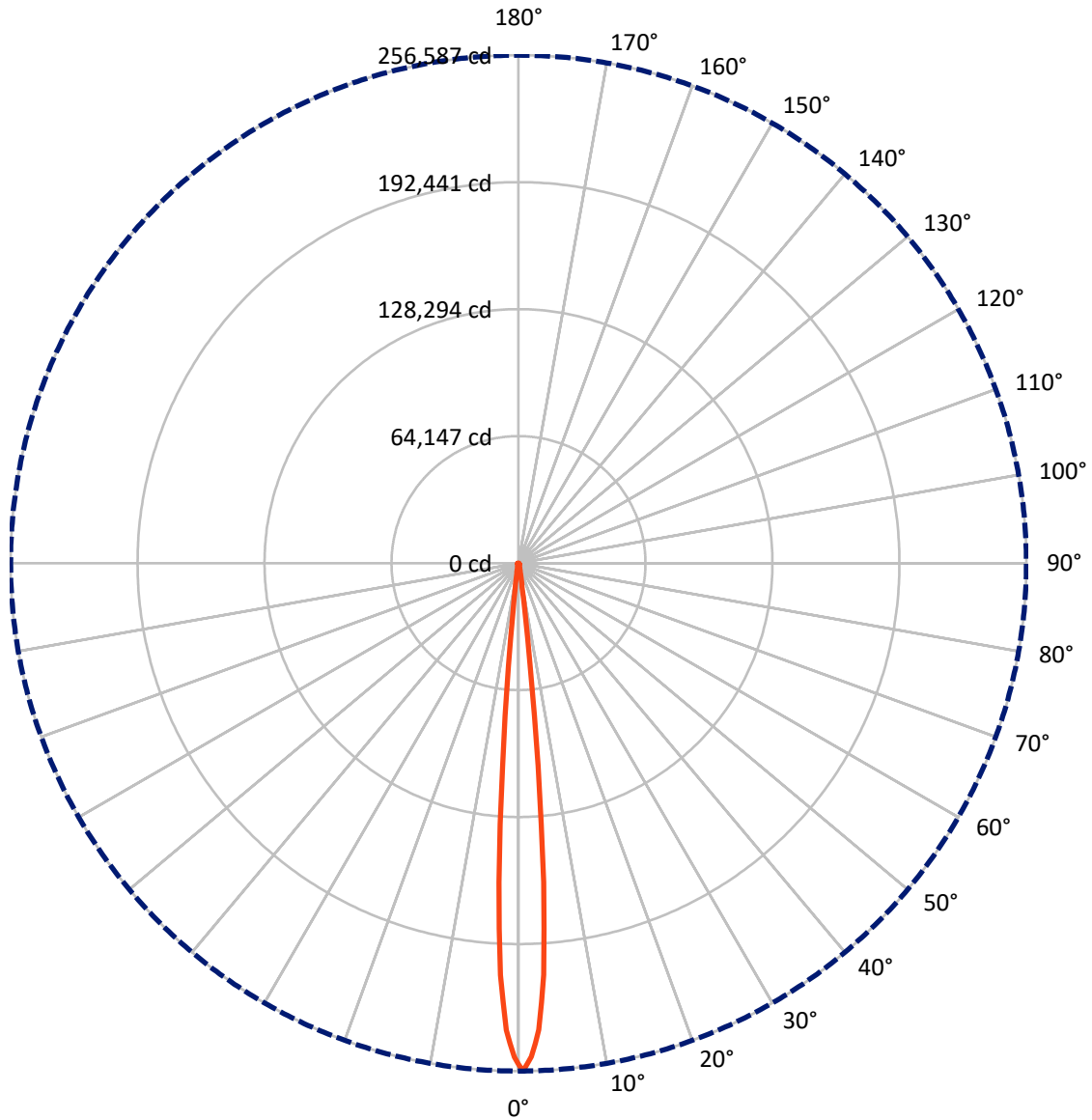
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2565.9 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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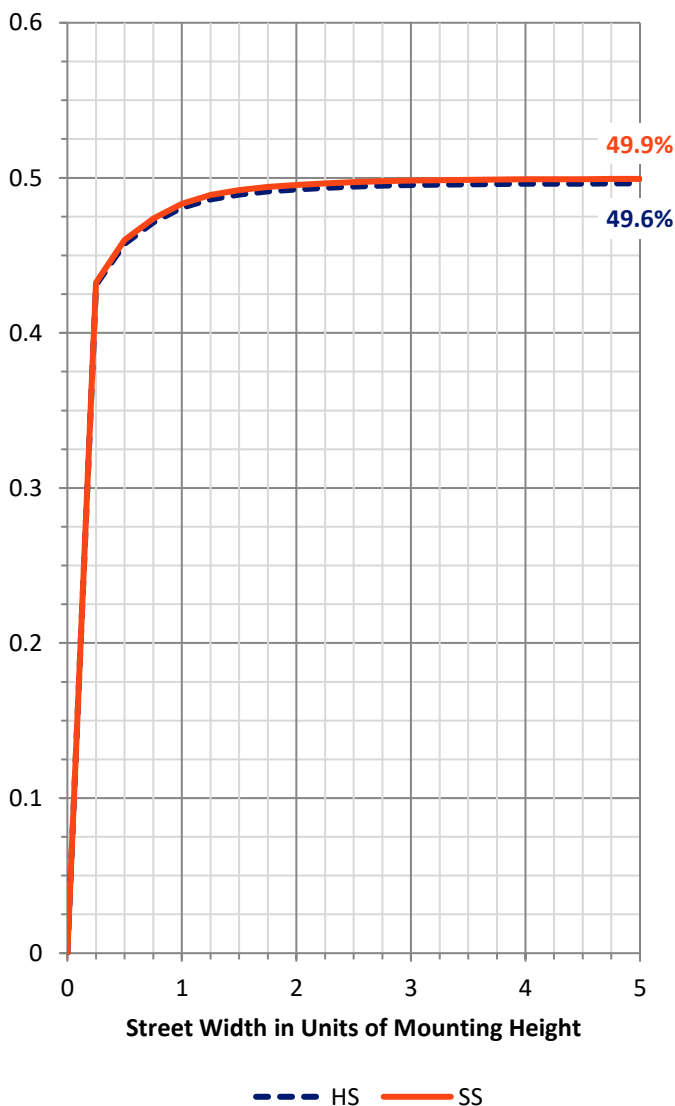
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4303.9	0.0	4303.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4303.9	0.0	4303.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8607.9	0.0	8607.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6610.9	76.8
10°-20°	644.8	7.5
20°-30°	344.5	4.0
30°-40°	284.1	3.3
40°-50°	316.4	3.7
50°-60°	212.7	2.5
60°-70°	135.7	1.6
70°-80°	53.6	0.6
80°-90°	5.2	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°	8607.9	100.0
0°-180°	8607.9	100.0

**Coefficient of Utilization**



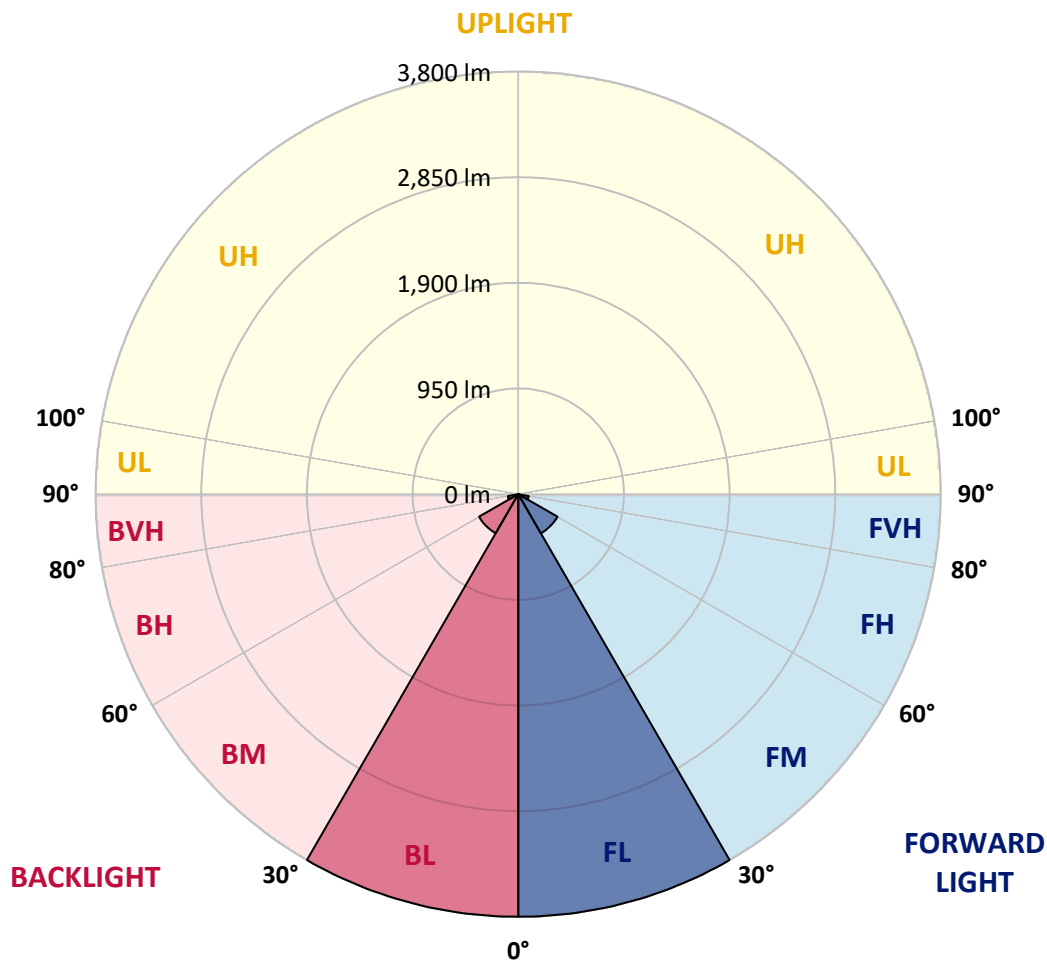
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3800.1	44.1			
FM (30°-60°)	406.6	4.7			
FH (60°-80°)	94.7	1.1			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	3800.1	44.1	B4/5000		
BM (30°-60°)	406.6	4.7	B1/1000		
BH (60°-80°)	94.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	256587.4	256587.4	256587.4	256587.4	256587.4	256587.4	256587.4	256587.4	256587.4	256587.4
1°	249456.1	249889.9	249968.2	249451.6	248134.5	248445.3	248405.1	248474.4	248344.7	247521.8
2°	235949.4	236591.2	235915.9	234466.8	231465.8	230750.2	228359.7	225691.9	222851.9	220005.2
3°	208379.1	209729.8	208766.0	210313.5	204226.5	203611.5	198584.5	191956.4	185238.8	179795.9
4°	161564.1	164059.7	164390.6	169498.1	164498.0	166061.1	160318.5	151109.8	141060.2	133372.1
5°	102984.3	106463.8	108427.2	113217.2	115520.5	121518.0	118720.5	109478.2	97865.6	89021.3
6°	52034.4	53928.5	59203.7	64470.0	70351.2	78309.9	79387.7	71274.8	62032.5	53543.9
7°	24256.2	25038.9	28759.9	29882.5	36606.8	45240.8	46448.4	42000.5	37125.6	30546.7
8°	12534.0	12838.1	14197.7	15031.8	18954.1	23920.8	24768.3	21968.5	19973.8	16664.2
9°	7719.4	7853.6	8363.4	8551.3	10018.2	12227.6	12527.3	11355.5	10814.3	9671.6
10°	5353.5	5425.0	5664.3	5713.5	6203.3	6930.0	6956.9	6572.2	6581.2	6294.9
12.5°	2853.4	2875.8	2942.9	2949.6	3043.5	3119.5	3101.6	3103.9	3141.9	3103.9
15°	1824.7	1835.9	1876.2	1885.1	1934.3	1961.2	1947.7	1945.5	1958.9	1934.3
17.5°	1301.5	1308.2	1337.3	1361.9	1393.2	1402.1	1397.6	1393.2	1393.2	1370.8
20°	1015.2	1024.2	1044.3	1068.9	1084.6	1100.2	1102.5	1100.2	1093.5	1082.3
22.5°	863.2	867.7	874.4	885.5	896.7	903.4	907.9	910.1	907.9	903.4
25°	751.4	755.8	769.3	776.0	776.0	778.2	787.1	791.6	793.9	784.9
27.5°	554.6	565.8	585.9	597.1	597.1	601.5	608.2	617.2	626.1	610.5
30°	429.4	438.3	460.7	460.7	458.4	462.9	469.6	483.0	496.4	478.5
32.5°	386.9	386.9	391.3	393.6	393.6	400.3	404.8	415.9	427.1	422.6
35°	404.8	393.6	380.2	380.2	384.6	398.0	400.3	411.5	422.6	438.3
37.5°	588.1	554.6	505.4	496.4	496.4	512.1	505.4	512.1	532.2	590.4
40°	534.5	507.6	478.5	438.3	438.3	460.7	445.0	454.0	500.9	536.7
42.5°	476.3	476.3	445.0	407.0	407.0	418.2	413.7	418.2	471.8	500.9
45°	440.5	440.5	431.6	371.2	380.2	386.9	386.9	386.9	458.4	467.4
47.5°	420.4	420.4	398.0	342.1	353.3	355.6	360.0	355.6	411.5	442.8
50°	375.7	380.2	342.1	301.9	315.3	315.3	322.0	313.1	355.6	407.0
52.5°	324.3	328.7	270.6	239.3	254.9	252.7	261.6	248.2	281.8	353.3
55°	288.5	286.2	223.6	194.6	212.4	210.2	214.7	199.0	228.1	304.1
57.5°	250.5	254.9	183.4	158.8	178.9	174.4	181.1	163.2	187.8	270.6
60°	221.4	228.1	156.5	134.2	154.3	149.8	156.5	136.4	161.0	243.7
62.5°	212.4	212.4	138.6	114.0	134.2	129.7	134.2	114.0	143.1	223.6
65°	252.7	239.3	125.2	93.9	114.0	109.6	114.0	93.9	125.2	214.7
67.5°	335.4	319.8	118.5	73.8	91.7	85.0	91.7	76.0	109.6	201.3
70°	174.4	185.6	118.5	58.1	69.3	69.3	67.1	58.1	91.7	147.6
72.5°	100.6	102.9	91.7	44.7	53.7	58.1	51.4	44.7	67.1	109.6
75°	55.9	62.6	58.1	33.5	40.3	44.7	38.0	33.5	47.0	78.3
77.5°	33.5	38.0	33.5	22.4	26.8	24.6	26.8	22.4	31.3	51.4
80°	17.9	17.9	17.9	13.4	13.4	15.7	15.7	13.4	17.9	26.8
82.5°	6.7	6.7	6.7	4.5	6.7	6.7	6.7	8.9	8.9	11.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
256587.4  
248333.5  
221644.4  
181859.9  
135154.4  
90155.1  
54178.9  
31342.7  
17113.7  
9919.8  
6426.9  
3146.3  
1952.2  
1377.5  
1084.6  
905.7  
784.9  
608.2  
474.1  
422.6  
447.2  
619.4  
570.2  
503.1  
465.1  
436.1  
402.5  
344.4  
299.7  
263.9  
237.0  
221.4  
214.7  
199.0  
145.4  
107.3  
69.3  
38.0  
22.4  
11.2  
2.2  
2.2  
0.0

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