

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: P525356

Luminaire Tested: **IFLD-S-SA3D-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525356  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (48) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

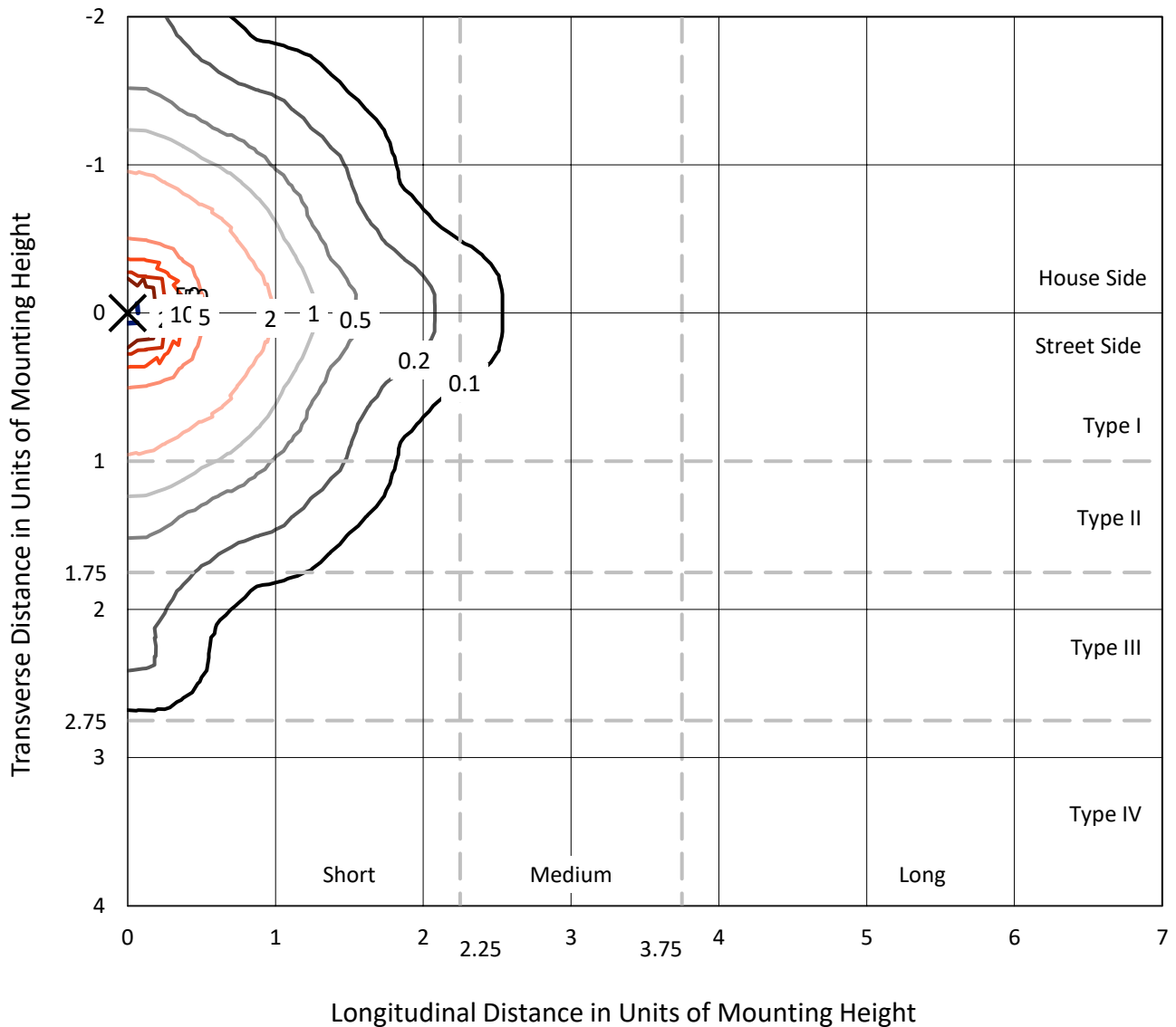
Lumens per Lamp: N/A  
Luminaire Lumens: 9718.7 lumens  
Efficiency: N/A  
Efficacy: 52.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

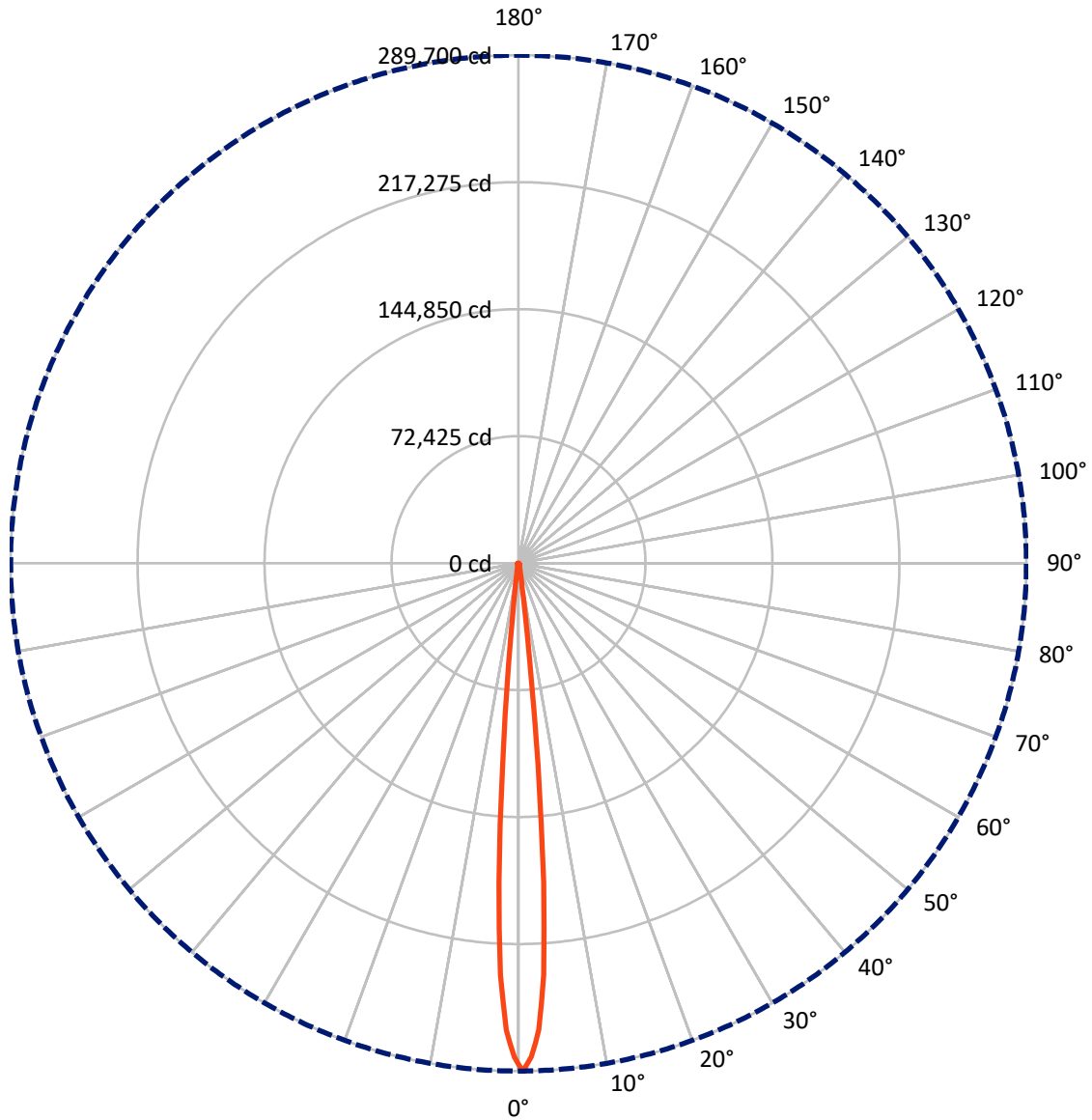
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2897 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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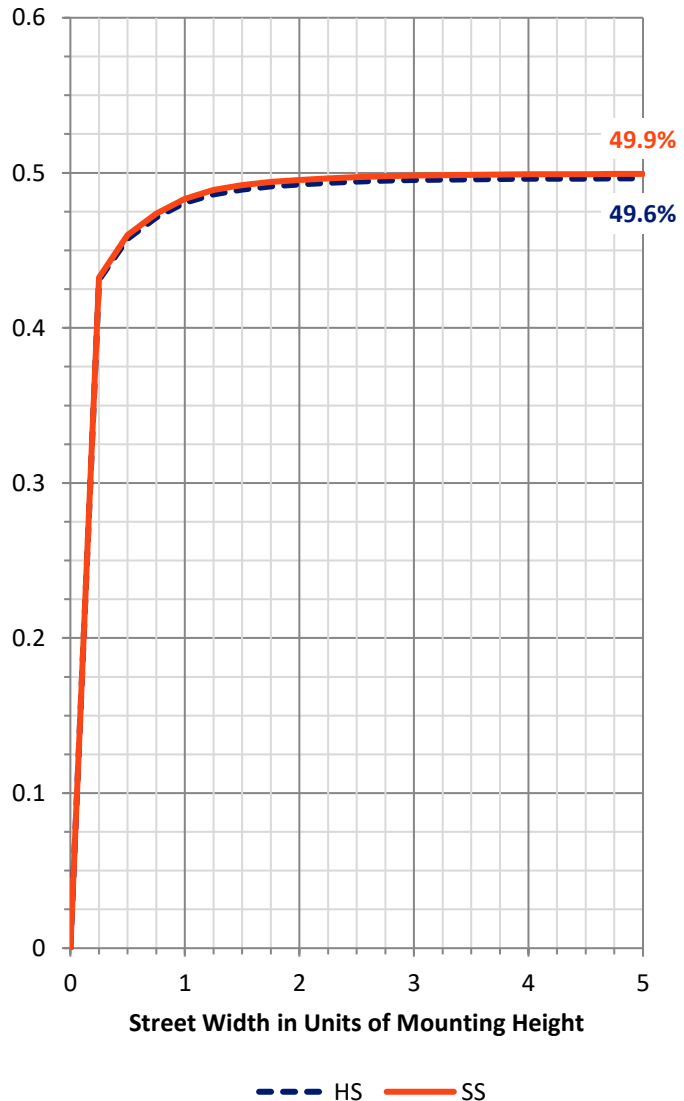
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4859.4	0.0	4859.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4859.4	0.0	4859.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9718.7	0.0	9718.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7464.0	76.8
10°-20°	728.0	7.5
20°-30°	388.9	4.0
30°-40°	320.8	3.3
40°-50°	357.2	3.7
50°-60°	240.2	2.5
60°-70°	153.3	1.6
70°-80°	60.5	0.6
80°-90°	5.9	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°	9718.7	100.0
0°-180°	9718.7	100.0

**Coefficient of Utilization**



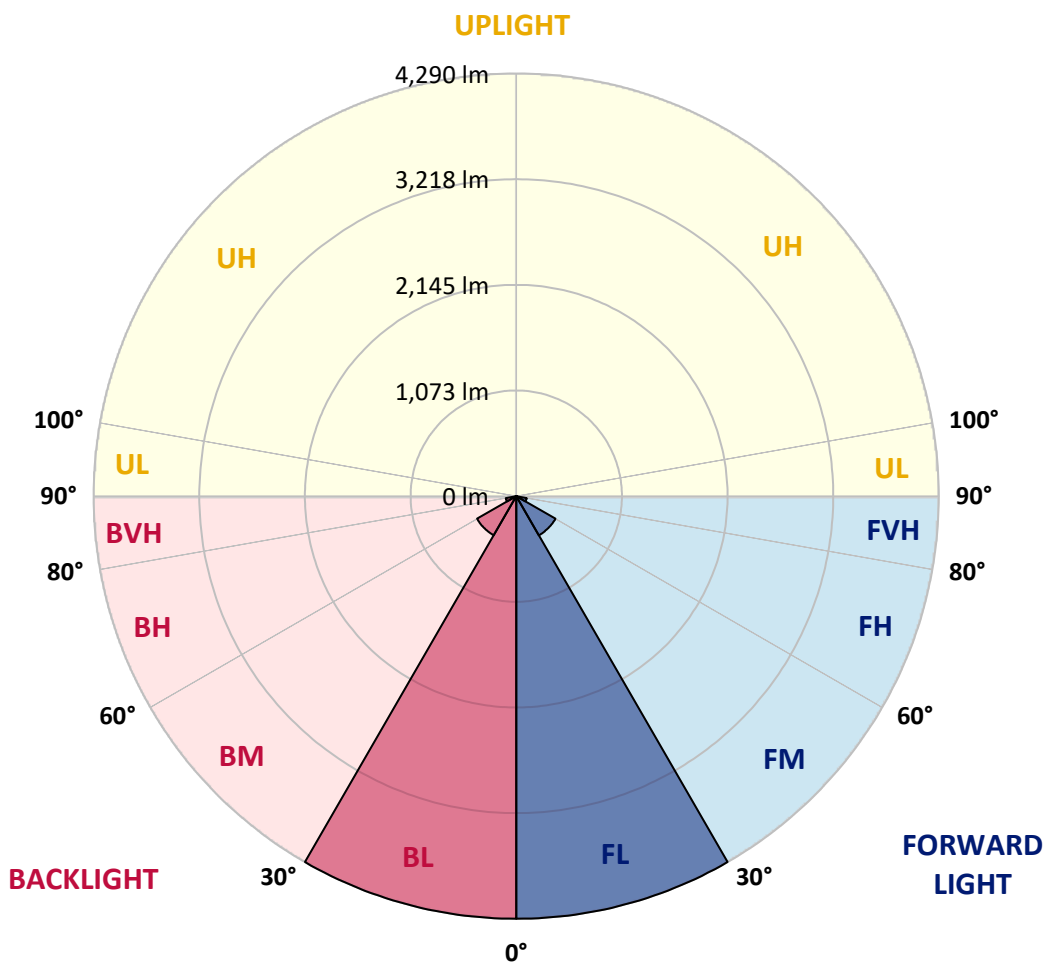
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4290.5	44.1			
FM (30°-60°)	459.1	4.7			
FH (60°-80°)	106.9	1.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4290.5	44.1	B4/5000		
BM (30°-60°)	459.1	4.7	B1/1000		
BH (60°-80°)	106.9	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°	289700.1	289700.1	289700.1	289700.1	289700.1	289700.1	289700.1	289700.1	289700.1	289700.1
1°	281648.5	282138.4	282226.7	281643.5	280156.4	280507.3	280461.9	280540.2	280393.7	279464.6
2°	266398.8	267123.4	266360.9	264724.8	261336.6	260528.6	257829.6	254817.5	251611.0	248397.0
3°	235270.6	236795.5	235707.4	237454.5	230582.0	229887.7	224212.0	216728.5	209144.0	202998.6
4°	182414.0	185231.6	185605.3	191371.9	185726.5	187491.3	181007.7	170610.6	159264.1	150583.9
5°	116274.4	120203.0	122419.8	127827.9	130428.4	137199.9	134041.4	123606.4	110495.2	100509.6
6°	58749.5	60888.0	66844.0	72789.9	79430.1	88415.8	89632.8	80472.8	70037.8	60453.7
7°	27386.5	28270.1	32471.4	33738.8	41330.9	51079.1	52442.5	47420.7	41916.7	34488.7
8°	14151.5	14494.9	16029.9	16971.7	21400.2	27007.7	27964.6	24803.6	22551.5	18814.8
9°	8715.6	8867.1	9442.7	9654.8	11311.1	13805.6	14143.9	12820.9	12209.9	10919.7
10°	6044.4	6125.2	6395.3	6450.9	7003.8	7824.3	7854.6	7420.4	7430.5	7107.3
12.5°	3221.6	3246.9	3322.6	3330.2	3436.2	3522.1	3501.9	3504.4	3547.3	3504.4
15°	2060.2	2072.9	2118.3	2128.4	2183.9	2214.2	2199.1	2196.6	2211.7	2183.9
17.5°	1469.4	1477.0	1509.8	1537.6	1572.9	1583.0	1578.0	1572.9	1572.9	1547.7
20°	1146.3	1156.4	1179.1	1206.9	1224.5	1242.2	1244.7	1242.2	1234.6	1222.0
22.5°	974.6	979.6	987.2	999.8	1012.4	1020.0	1025.1	1027.6	1025.1	1020.0
25°	848.3	853.4	868.5	876.1	876.1	878.6	888.7	893.8	896.3	886.2
27.5°	626.1	638.8	661.5	674.1	674.1	679.2	686.7	696.8	706.9	689.3
30°	484.8	494.9	520.1	520.1	517.6	522.6	530.2	545.4	560.5	540.3
32.5°	436.8	436.8	441.8	444.4	444.4	451.9	457.0	469.6	482.2	477.2
35°	457.0	444.4	429.2	429.2	434.3	449.4	451.9	464.6	477.2	494.9
37.5°	664.0	626.1	570.6	560.5	560.5	578.2	570.6	578.2	600.9	666.5
40°	603.4	573.1	540.3	494.9	494.9	520.1	502.4	512.5	565.6	606.0
42.5°	537.8	537.8	502.4	459.5	459.5	472.1	467.1	472.1	532.7	565.6
45°	497.4	497.4	487.3	419.1	429.2	436.8	436.8	436.8	517.6	527.7
47.5°	474.7	474.7	449.4	386.3	398.9	401.4	406.5	401.4	464.6	499.9
50°	424.2	429.2	386.3	340.8	356.0	356.0	363.6	353.5	401.4	459.5
52.5°	366.1	371.1	305.5	270.2	287.8	285.3	295.4	280.3	318.1	398.9
55°	325.7	323.2	252.5	219.7	239.9	237.3	242.4	224.7	257.5	343.4
57.5°	282.8	287.8	207.0	179.3	202.0	196.9	204.5	184.3	212.1	305.5
60°	250.0	257.5	176.7	151.5	174.2	169.2	176.7	154.0	181.8	275.2
62.5°	239.9	239.9	156.5	128.8	151.5	146.4	151.5	128.8	161.6	252.5
65°	285.3	270.2	141.4	106.0	128.8	123.7	128.8	106.0	141.4	242.4
67.5°	378.7	361.0	133.8	83.3	103.5	95.9	103.5	85.8	123.7	227.2
70°	196.9	209.6	133.8	65.6	78.3	78.3	75.7	65.6	103.5	166.6
72.5°	113.6	116.1	103.5	50.5	60.6	65.6	58.1	50.5	75.7	123.7
75°	63.1	70.7	65.6	37.9	45.4	50.5	42.9	37.9	53.0	88.4
77.5°	37.9	42.9	37.9	25.2	30.3	27.8	30.3	25.2	35.3	58.1
80°	20.2	20.2	20.2	15.1	15.1	17.7	17.7	15.1	20.2	30.3
82.5°	7.6	7.6	7.6	5.0	7.6	7.6	7.6	10.1	10.1	12.6
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
289700.1  
280381.1  
250247.7  
205329.0  
152596.1  
101789.7  
61170.8  
35387.5  
19322.3  
11200.0  
7256.3  
3552.4  
2204.1  
1555.3  
1224.5  
1022.5  
886.2  
686.7  
535.3  
477.2  
505.0  
699.4  
643.8  
568.1  
525.2  
492.3  
454.5  
388.8  
338.3  
297.9  
267.6  
250.0  
242.4  
224.7  
164.1  
121.2  
78.3  
42.9  
25.2  
12.6  
2.5  
2.5  
0.0

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