

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: P524121

Luminaire Tested: **IFLD-S-SA6B-930-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524121  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-930-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (96) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

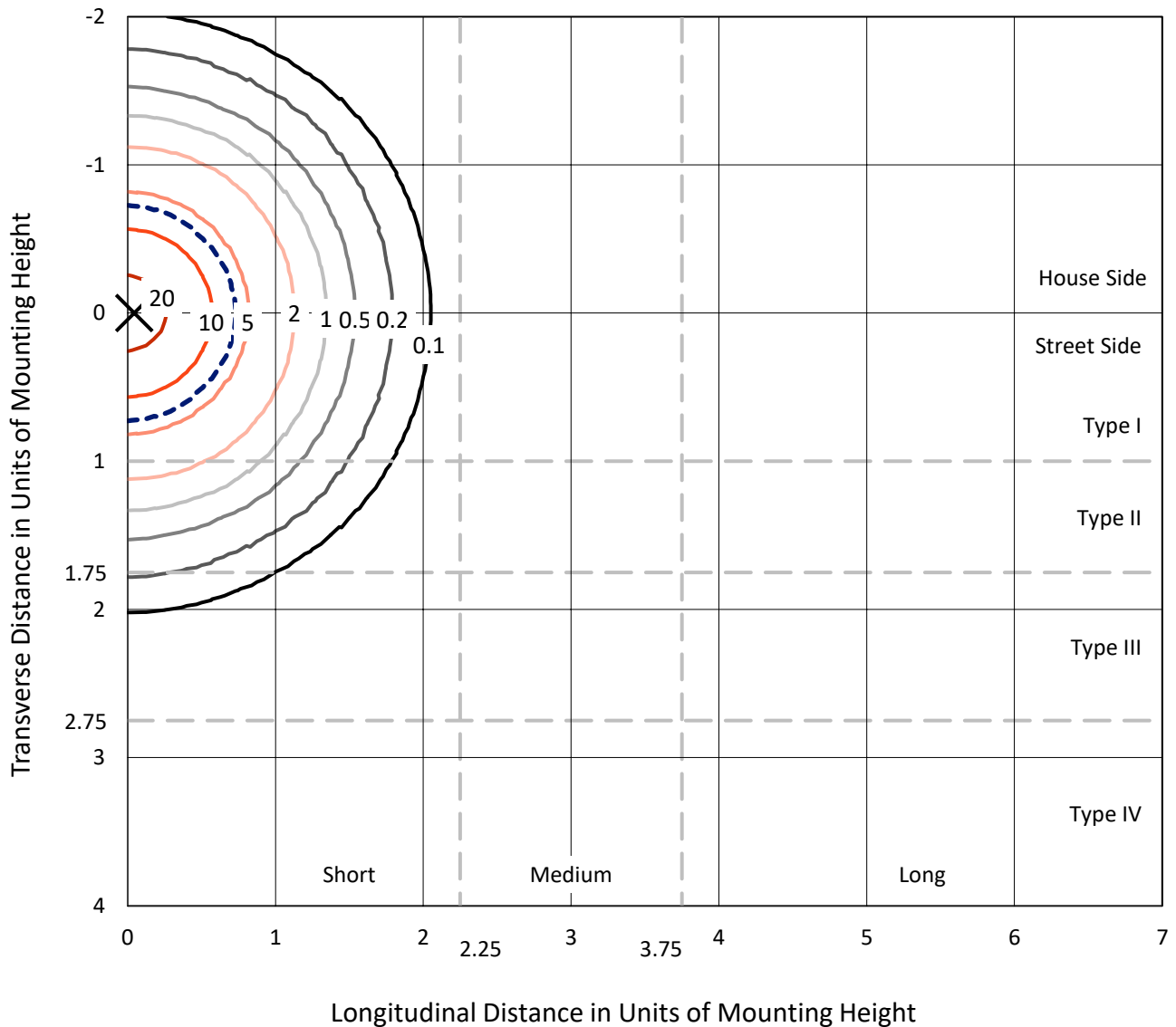
Lumens per Lamp: N/A  
Luminaire Lumens: 22165.8 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9  
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

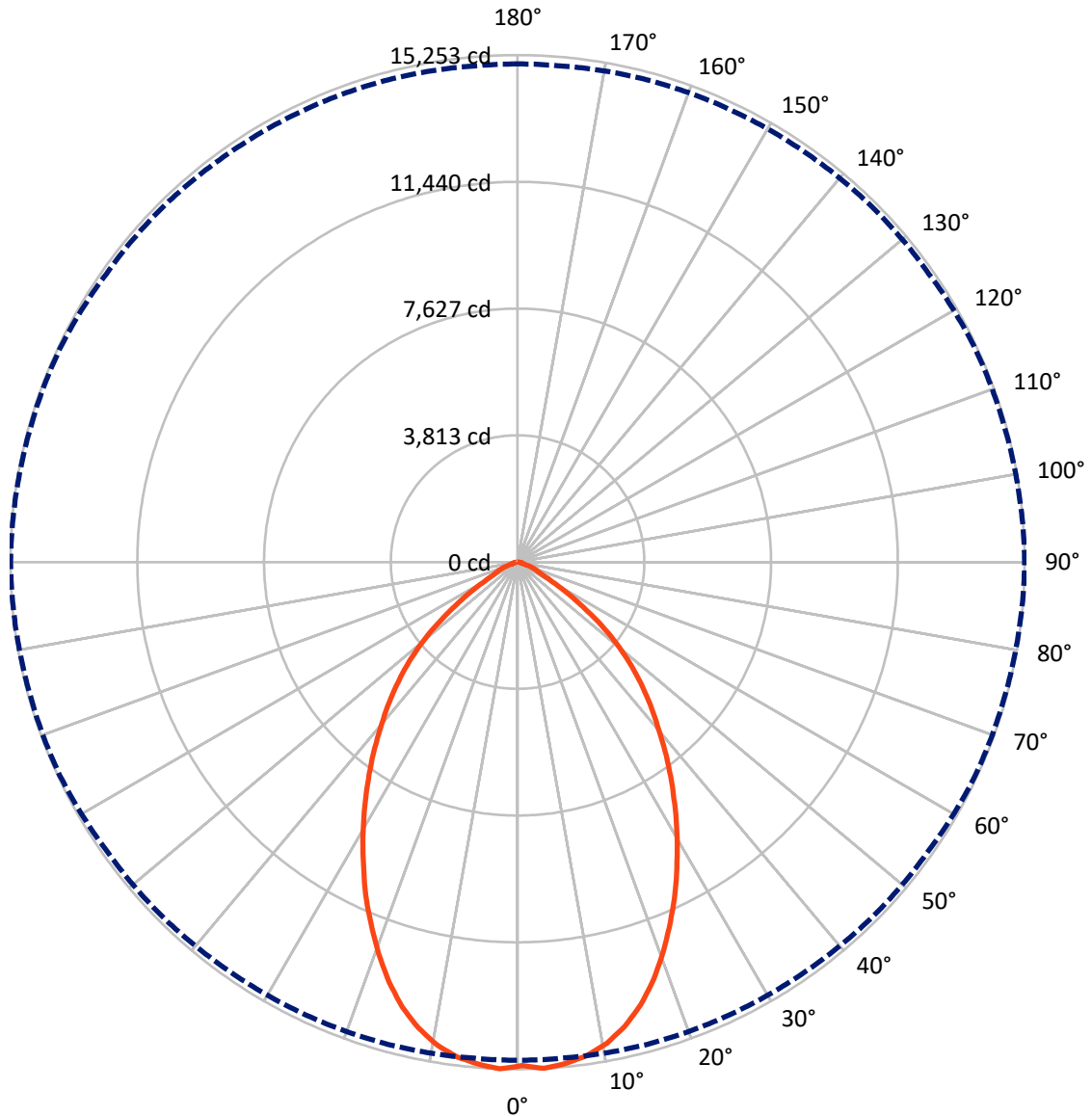
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

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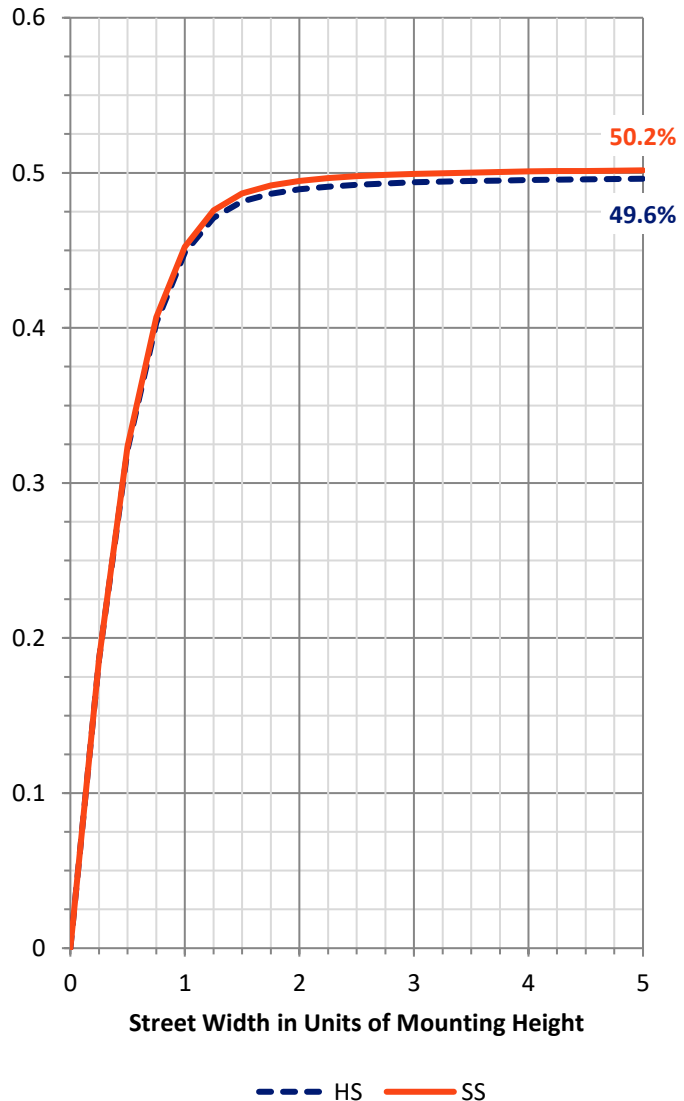
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11082.9	0.0	11082.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11082.9	0.0	11082.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22165.8	0.0	22165.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1422.3	6.4
10°-20°	3821.8	17.2
20°-30°	4944.6	22.3
30°-40°	4876.6	22.0
40°-50°	3945.4	17.8
50°-60°	2148.1	9.7
60°-70°	680.6	3.1
70°-80°	263.3	1.2
80°-90°	62.9	0.3
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°	22165.8	100.0
0°-180°	22165.8	100.0

**Coefficient of Utilization**



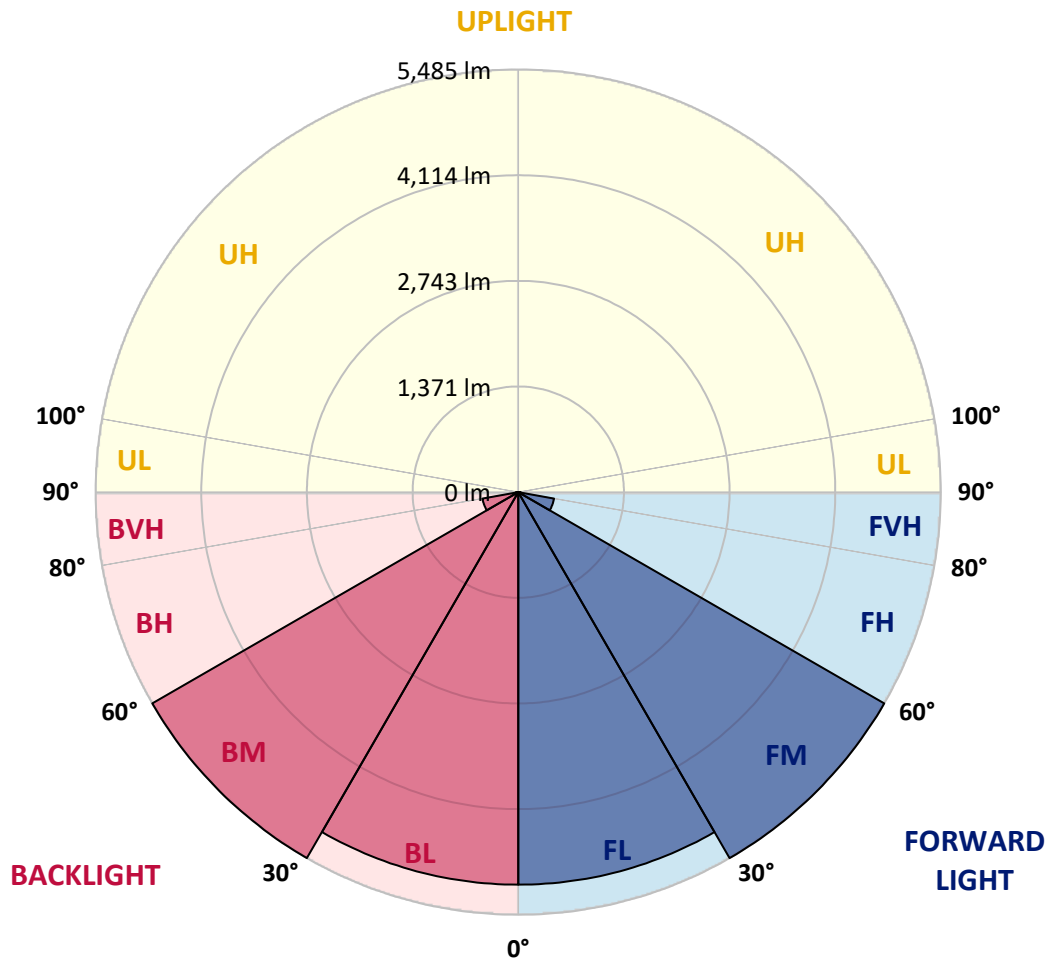
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5094.4	23.0			
FM (30°-60°)	5485.1	24.7			
FH (60°-80°)	472.0	2.1			G0/660
FVH (80°-90°)	31.5	0.1			G1/100
BL (0°-30°)	5094.4	23.0	B5		
BM (30°-60°)	5485.1	24.7	B4/8500		
BH (60°-80°)	472.0	2.1	B1/500		G0/660
BVH (80°-90°)	31.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9	15150.9
2.5°	14987.6	14984.4	15022.8	15038.8	15058.0	15096.5	15109.3	15192.5	15202.1	15234.2	15253.4
5°	14962.0	14949.1	14987.6	14994.0	15016.4	15022.8	15042.0	15099.7	15093.3	15141.3	15150.9
7.5°	14824.2	14808.2	14840.3	14846.7	14878.7	14869.1	14901.1	14942.7	14942.7	14978.0	14994.0
10°	14516.8	14513.6	14545.6	14548.8	14593.7	14584.1	14635.3	14644.9	14670.5	14696.1	14725.0
12.5°	14148.5	14106.9	14148.5	14132.5	14193.4	14158.1	14228.6	14251.0	14263.8	14308.7	14331.1
15°	13674.6	13623.3	13652.1	13636.1	13674.6	13629.7	13703.4	13748.2	13764.2	13809.1	13831.5
17.5°	13040.5	12998.8	13005.2	12982.8	13008.4	12973.2	13043.7	13114.1	13136.5	13184.6	13216.6
20°	12243.1	12243.1	12246.3	12227.0	12249.5	12214.2	12259.1	12368.0	12390.4	12454.4	12508.9
22.5°	11464.9	11464.9	11474.5	11448.8	11455.2	11439.2	11487.3	11593.0	11628.2	11695.4	11762.7
25°	10718.7	10705.9	10712.3	10689.9	10664.2	10670.6	10728.3	10795.5	10872.4	10958.9	11010.1
27.5°	10007.7	10023.7	9985.3	9969.3	9950.1	9914.9	9982.1	10065.4	10119.8	10190.3	10215.9
30°	9248.7	9280.8	9251.9	9239.1	9191.1	9146.3	9216.7	9300.0	9354.4	9421.7	9450.5
32.5°	8573.0	8563.4	8537.8	8509.0	8460.9	8425.7	8454.5	8550.6	8592.2	8662.7	8672.3
35°	7849.3	7842.9	7826.8	7769.2	7753.2	7711.6	7737.2	7820.4	7852.5	7894.1	7926.1
37.5°	7141.5	7119.1	7112.7	7090.3	7061.5	7051.8	7051.8	7096.7	7128.7	7170.3	7202.4
40°	6440.2	6446.6	6427.4	6408.1	6398.5	6385.7	6388.9	6414.6	6440.2	6459.4	6478.6
42.5°	5806.1	5770.9	5758.0	5738.8	5748.4	5764.5	5729.2	5767.7	5799.7	5799.7	5841.3
45°	5079.1	5095.1	5101.5	5133.6	5133.6	5117.6	5104.7	5124.0	5156.0	5152.8	5194.4
47.5°	4445.0	4425.8	4441.8	4489.9	4531.5	4537.9	4499.5	4509.1	4518.7	4502.7	4541.1
50°	3750.1	3756.5	3753.3	3827.0	3910.2	3881.4	3852.6	3862.2	3859.0	3859.0	3865.4
52.5°	2994.3	3010.3	2991.1	3096.8	3186.5	3164.0	3144.8	3144.8	3160.8	3157.6	3154.4
55°	2305.8	2299.4	2257.7	2309.0	2389.0	2392.2	2363.4	2376.2	2392.2	2408.3	2405.1
57.5°	1716.5	1697.3	1639.7	1642.9	1732.5	1755.0	1729.3	1726.1	1745.3	1751.8	1787.0
60°	1156.1	1152.9	1101.7	1098.4	1133.7	1194.5	1165.7	1165.7	1172.1	1181.7	1191.3
62.5°	791.0	797.4	778.2	775.0	781.4	832.6	829.4	826.2	823.0	835.8	832.6
65°	621.3	624.5	618.1	618.1	621.3	643.7	666.1	669.3	672.5	675.7	672.5
67.5°	499.6	502.8	496.4	502.8	502.8	506.0	538.0	550.8	554.0	554.0	550.8
70°	384.3	397.1	403.5	403.5	403.5	403.5	425.9	441.9	438.7	419.5	400.3
72.5°	192.1	233.8	323.4	326.7	323.4	320.2	333.1	349.1	345.9	243.4	182.5
75°	128.1	137.7	253.0	265.8	262.6	249.8	262.6	281.8	275.4	156.9	150.5
77.5°	73.7	80.1	169.7	195.4	211.4	182.5	208.2	227.4	217.8	128.1	124.9
80°	57.6	54.4	121.7	150.5	144.1	115.3	169.7	182.5	166.5	96.1	86.5
82.5°	35.2	35.2	80.1	115.3	105.7	67.3	118.5	140.9	124.9	70.5	64.0
85°	19.2	22.4	38.4	57.6	60.8	44.8	64.0	76.9	76.9	44.8	44.8
87.5°	9.6	9.6	12.8	12.8	16.0	19.2	19.2	22.4	16.0	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)