

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: P524122

Luminaire Tested: **IFLD-S-SA6C-930-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524122  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-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**

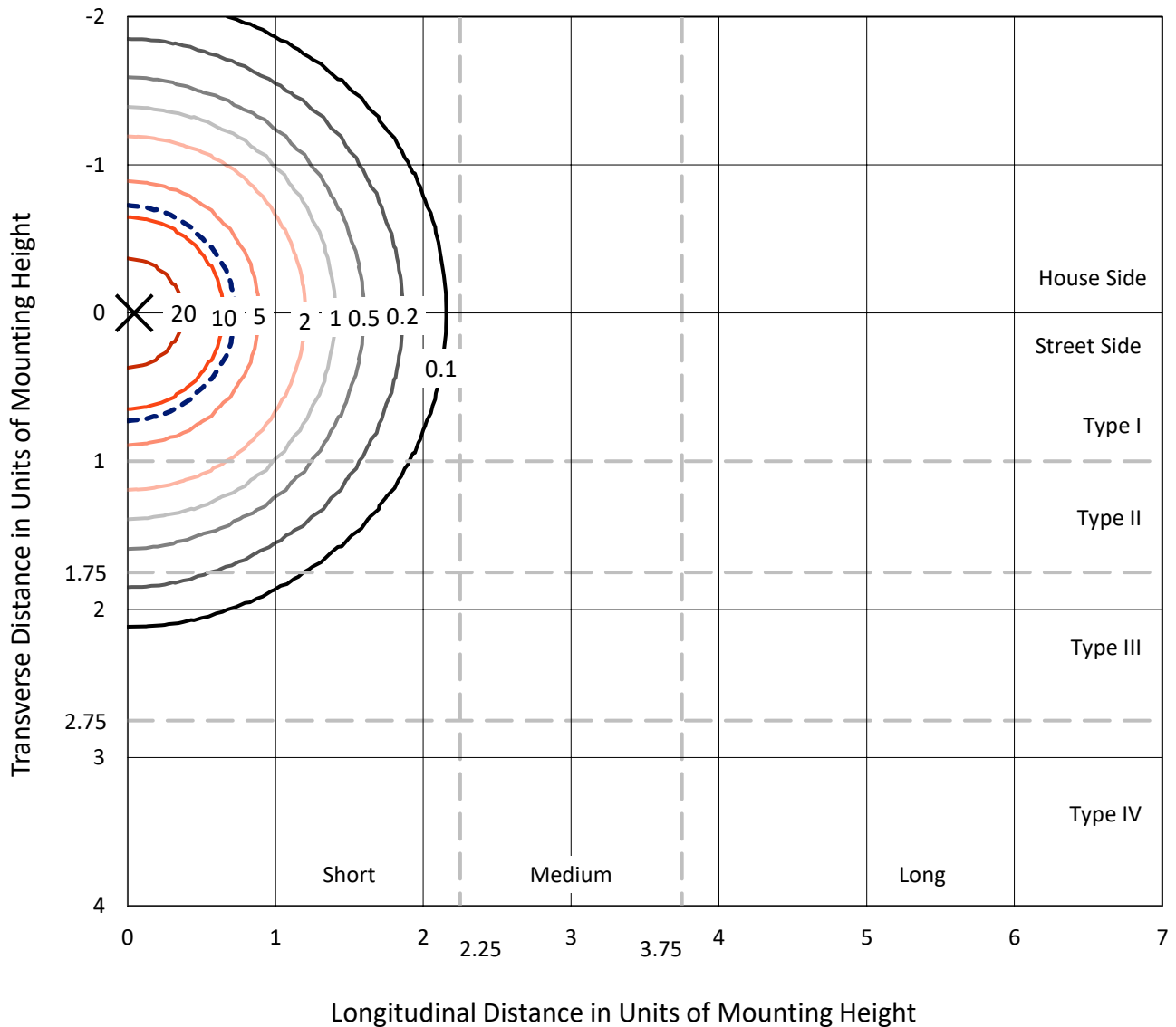
Lumens per Lamp: N/A  
Luminaire Lumens: 27592.5 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5  
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

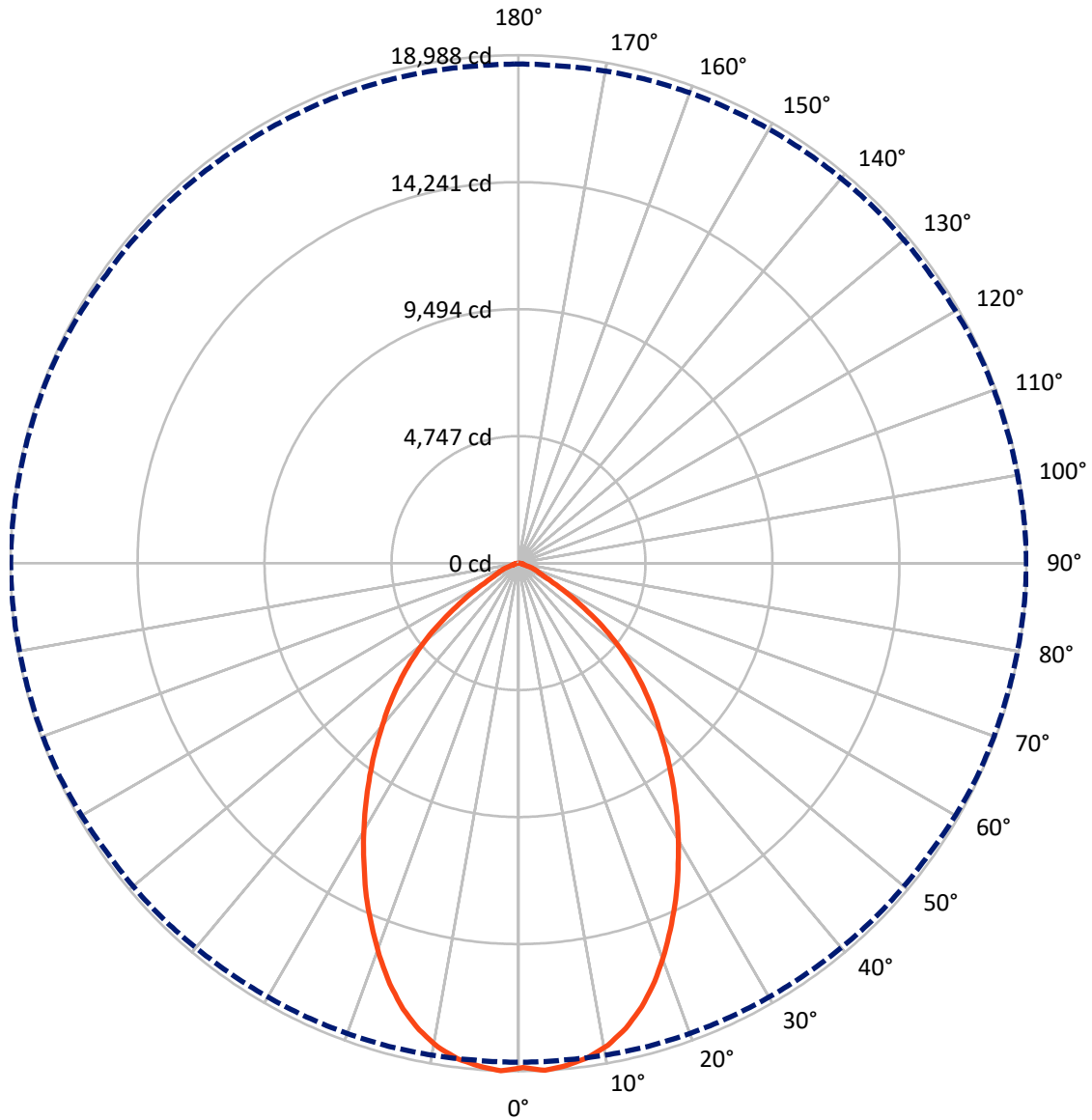
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 30.2 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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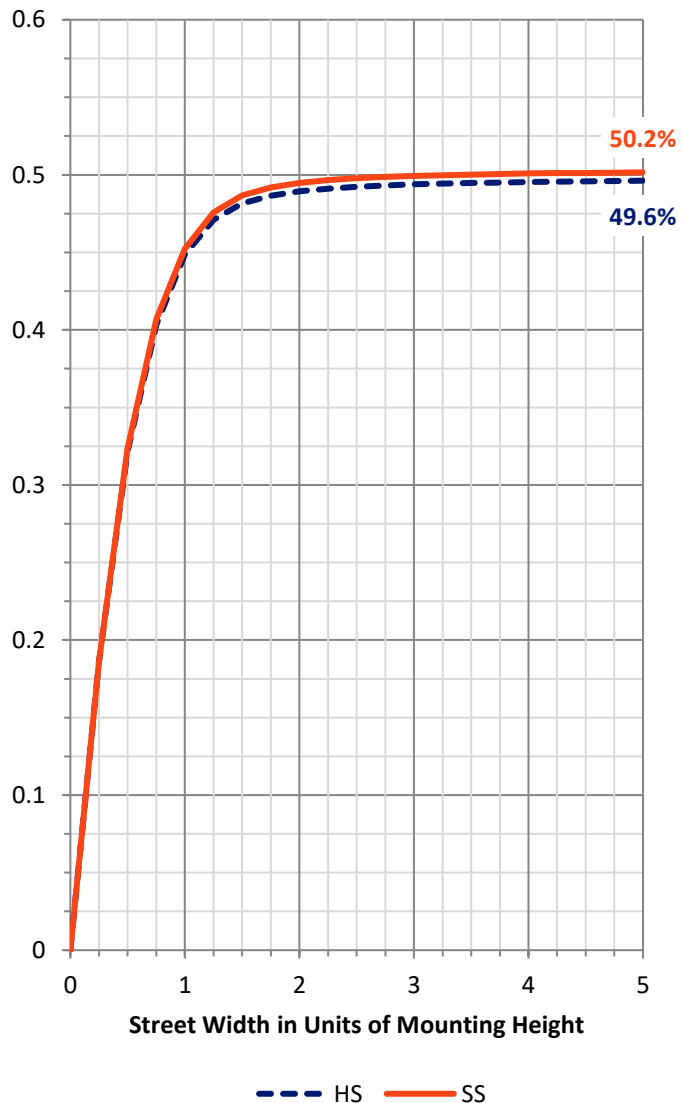
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13796.2	0.0	13796.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13796.2	0.0	13796.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27592.5	0.0	27592.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1770.5	6.4
10°-20°	4757.5	17.2
20°-30°	6155.2	22.3
30°-40°	6070.5	22.0
40°-50°	4911.3	17.8
50°-60°	2674.1	9.7
60°-70°	847.3	3.1
70°-80°	327.8	1.2
80°-90°	78.4	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°	27592.5	100.0
0°-180°	27592.5	100.0

**Coefficient of Utilization**



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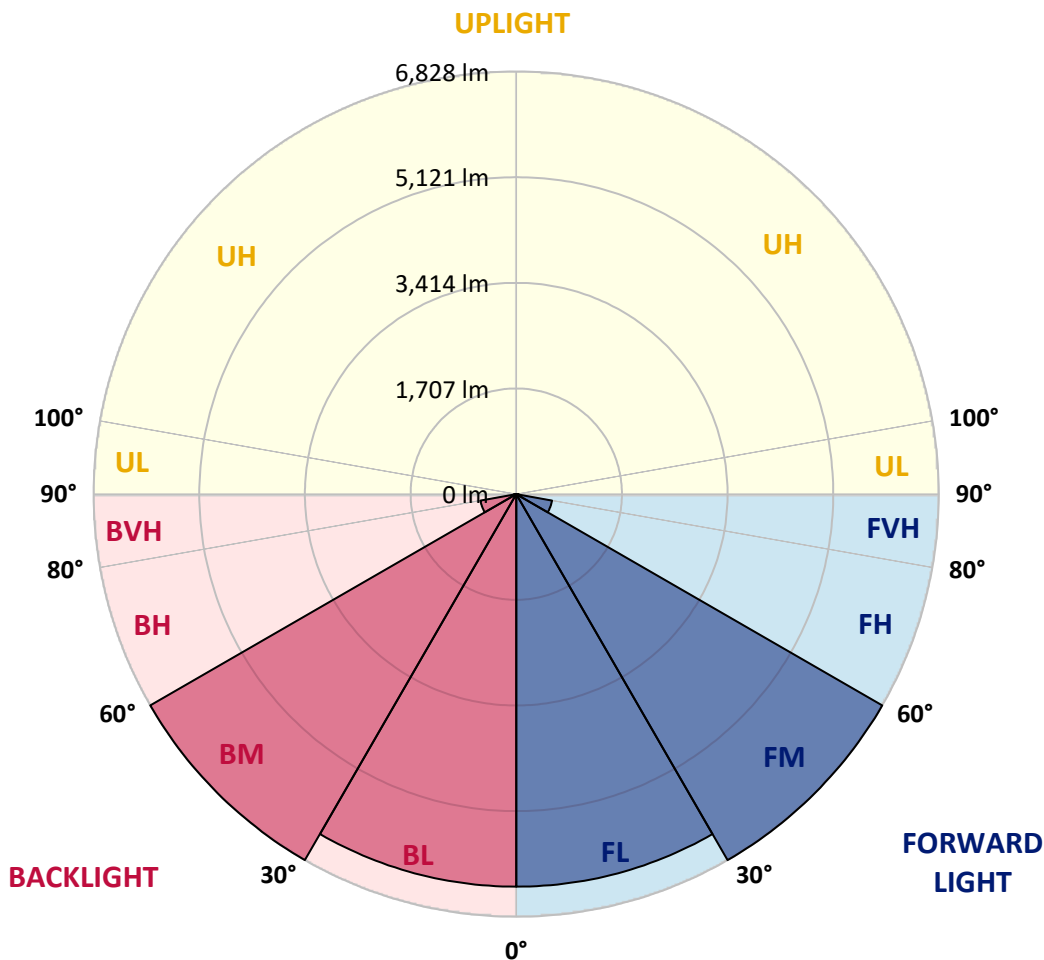
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6341.6	23.0			
FM (30°-60°)	6827.9	24.7			
FH (60°-80°)	587.5	2.1			G0/660
FVH (80°-90°)	39.2	0.1			G1/100
BL (0°-30°)	6341.6	23.0	B5		
BM (30°-60°)	6827.9	24.7	B4/8500		
BH (60°-80°)	587.5	2.1	B2/1000		G0/660
BVH (80°-90°)	39.2	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°	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2	18860.2
2.5°	18656.9	18652.9	18700.7	18720.7	18744.6	18792.4	18808.4	18912.0	18924.0	18963.9	18987.8
5°	18625.0	18609.1	18656.9	18664.9	18692.8	18700.7	18724.7	18796.4	18788.4	18848.2	18860.2
7.5°	18453.6	18433.6	18473.5	18481.5	18521.4	18509.4	18549.3	18601.1	18601.1	18644.9	18664.9
10°	18070.9	18066.9	18106.8	18110.7	18166.6	18154.6	18218.4	18230.3	18262.2	18294.1	18330.0
12.5°	17612.4	17560.6	17612.4	17592.5	17668.2	17624.4	17712.1	17740.0	17755.9	17811.8	17839.7
15°	17022.4	16958.6	16994.5	16974.6	17022.4	16966.6	17058.3	17114.1	17134.0	17189.9	17217.8
17.5°	16233.1	16181.3	16189.2	16161.3	16193.2	16149.4	16237.1	16324.8	16352.7	16412.5	16452.3
20°	15240.4	15240.4	15244.4	15220.5	15248.4	15204.6	15260.4	15395.9	15423.8	15503.6	15571.3
22.5°	14271.7	14271.7	14283.7	14251.8	14259.8	14239.8	14299.6	14431.2	14475.0	14558.8	14642.5
25°	13342.9	13326.9	13334.9	13307.0	13275.1	13283.1	13354.8	13438.5	13534.2	13641.9	13705.6
27.5°	12457.9	12477.8	12430.0	12410.0	12386.1	12342.3	12426.0	12529.6	12597.4	12685.1	12717.0
30°	11513.1	11552.9	11517.0	11501.1	11441.3	11385.5	11473.2	11576.8	11644.6	11728.3	11764.2
32.5°	10671.9	10659.9	10628.1	10592.2	10532.4	10488.5	10524.4	10644.0	10695.8	10783.5	10795.5
35°	9770.9	9763.0	9743.0	9671.3	9651.4	9599.5	9631.4	9735.1	9774.9	9826.8	9866.6
37.5°	8889.9	8862.0	8854.1	8826.1	8790.3	8778.3	8778.3	8834.1	8874.0	8925.8	8965.7
40°	8016.9	8024.9	8000.9	7977.0	7965.1	7949.1	7953.1	7985.0	8016.9	8040.8	8064.7
42.5°	7227.6	7183.7	7167.8	7143.8	7155.8	7175.7	7131.9	7179.7	7219.6	7219.6	7271.4
45°	6322.6	6342.5	6350.5	6390.4	6390.4	6370.5	6354.5	6378.4	6418.3	6414.3	6466.1
47.5°	5533.3	5509.4	5529.3	5589.1	5640.9	5648.9	5601.1	5613.0	5625.0	5605.0	5652.9
50°	4668.2	4676.2	4672.2	4763.9	4867.5	4831.7	4795.8	4807.7	4803.8	4803.8	4811.7
52.5°	3727.4	3747.3	3723.4	3855.0	3966.6	3938.7	3914.8	3914.8	3934.7	3930.7	3926.7
55°	2870.3	2862.3	2810.5	2874.3	2973.9	2977.9	2942.0	2958.0	2977.9	2997.9	2993.9
57.5°	2136.8	2112.9	2041.1	2045.1	2156.7	2184.6	2152.7	2148.7	2172.7	2180.6	2224.5
60°	1439.1	1435.1	1371.4	1367.4	1411.2	1487.0	1451.1	1451.1	1459.1	1471.0	1483.0
62.5°	984.7	992.6	968.7	964.7	972.7	1036.5	1032.5	1028.5	1024.5	1040.5	1036.5
65°	773.4	777.4	769.4	769.4	773.4	801.3	829.2	833.2	837.2	841.2	837.2
67.5°	621.9	625.9	617.9	625.9	625.9	629.9	669.7	685.7	689.7	689.7	685.7
70°	478.4	494.3	502.3	502.3	502.3	502.3	530.2	550.1	546.2	522.2	498.3
72.5°	239.2	291.0	402.6	406.6	402.6	398.7	414.6	434.5	430.5	303.0	227.2
75°	159.5	171.4	314.9	330.9	326.9	310.9	326.9	350.8	342.8	195.3	187.4
77.5°	91.7	99.7	211.3	243.2	263.1	227.2	259.1	283.0	271.1	159.5	155.5
80°	71.8	67.8	151.5	187.4	179.4	143.5	211.3	227.2	207.3	119.6	107.6
82.5°	43.9	43.9	99.7	143.5	131.6	83.7	147.5	175.4	155.5	87.7	79.7
85°	23.9	27.9	47.8	71.8	75.7	55.8	79.7	95.7	95.7	55.8	55.8
87.5°	12.0	12.0	15.9	15.9	19.9	23.9	23.9	27.9	19.9	15.9	15.9
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)