

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: P524211

Luminaire Tested: **IFLD-L-SA7D-940-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524211  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-940-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

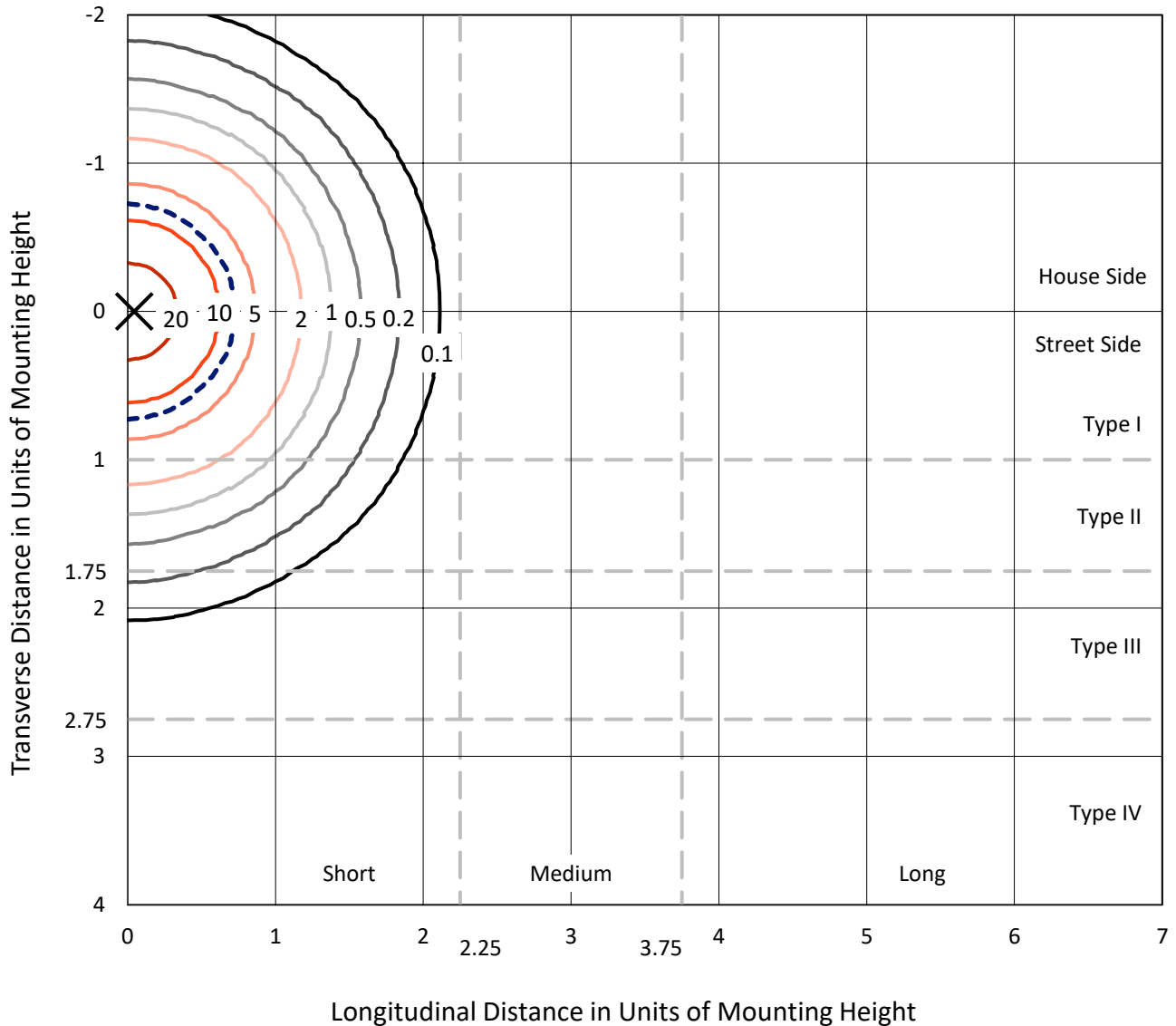
Lumens per Lamp: N/A  
Luminaire Lumens: 36571.9 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6  
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

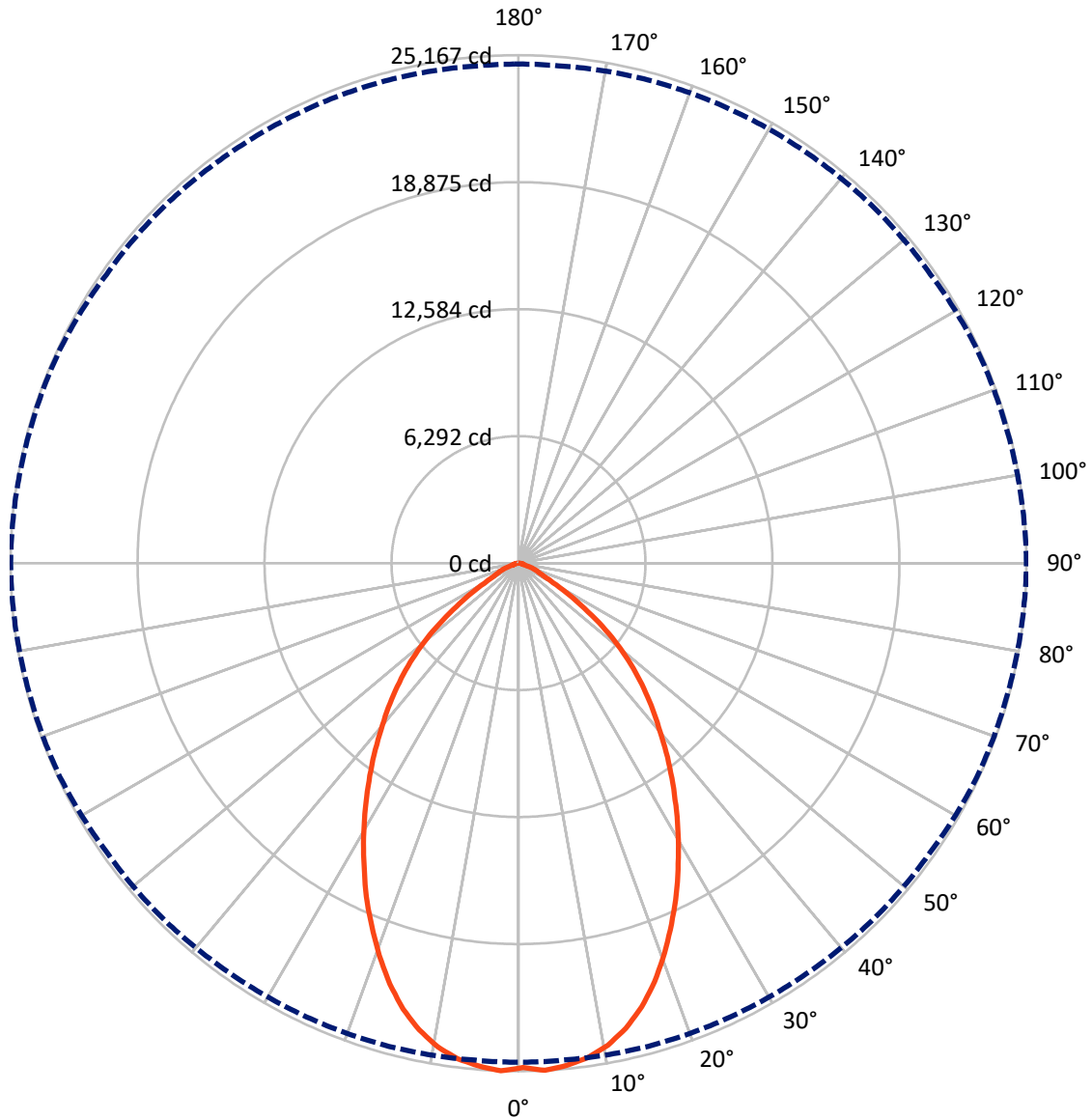
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 27.8 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	18286.0	0.0	18286.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18286.0	0.0	18286.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36571.9	0.0	36571.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2346.7	6.4
10°-20°	6305.7	17.2
20°-30°	8158.3	22.3
30°-40°	8046.0	22.0
40°-50°	6509.6	17.8
50°-60°	3544.3	9.7
60°-70°	1123.0	3.1
70°-80°	434.5	1.2
80°-90°	103.9	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°	36571.9	100.0
0°-180°	36571.9	100.0

**Coefficient of Utilization**



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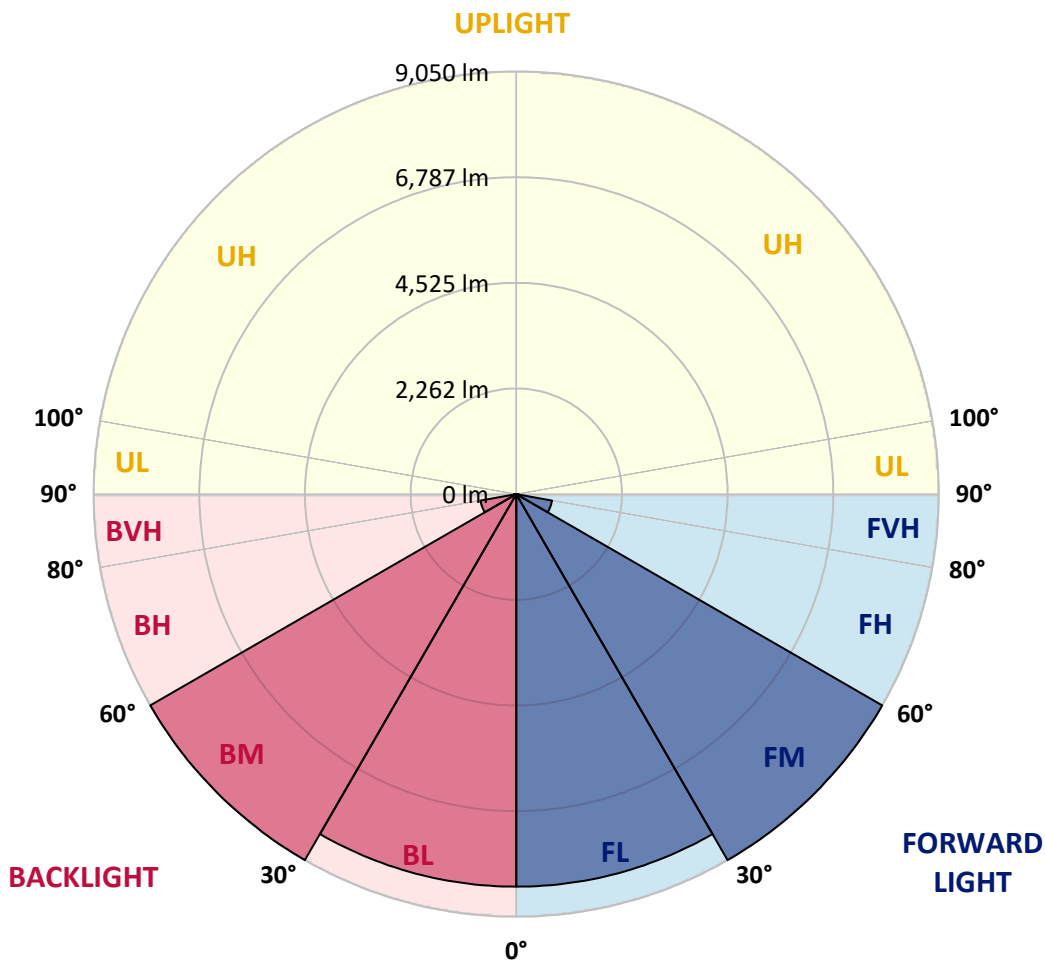
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8405.3	23.0			
FM (30°-60°)	9050.0	24.7			
FH (60°-80°)	778.8	2.1			G1/1800
FVH (80°-90°)	51.9	0.1			G1/100
BL (0°-30°)	8405.3	23.0	B5		
BM (30°-60°)	9050.0	24.7	B5		
BH (60°-80°)	778.8	2.1	B2/1000		G1/1800
BVH (80°-90°)	51.9	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°	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9	24997.9
2.5°	24728.4	24723.1	24786.5	24812.9	24844.7	24908.1	24929.2	25066.6	25082.4	25135.3	25167.0
5°	24686.1	24665.0	24728.4	24739.0	24776.0	24786.5	24818.2	24913.3	24902.8	24982.0	24997.9
7.5°	24458.9	24432.5	24485.4	24495.9	24548.8	24532.9	24585.7	24654.4	24654.4	24712.6	24739.0
10°	23951.7	23946.4	23999.2	24004.5	24078.5	24062.6	24147.2	24163.0	24205.3	24247.6	24295.1
12.5°	23344.0	23275.3	23344.0	23317.6	23418.0	23359.9	23476.1	23513.1	23534.3	23608.2	23645.2
15°	22562.0	22477.5	22525.0	22498.6	22562.0	22488.1	22609.6	22683.6	22710.0	22784.0	22820.9
17.5°	21515.8	21447.1	21457.7	21420.7	21463.0	21404.9	21521.1	21637.4	21674.3	21753.6	21806.4
20°	20200.1	20200.1	20205.4	20173.7	20210.7	20152.6	20226.6	20406.2	20443.2	20548.9	20638.7
22.5°	18916.2	18916.2	18932.0	18889.8	18900.3	18873.9	18953.2	19127.5	19185.7	19296.6	19407.6
25°	17685.0	17663.9	17674.5	17637.5	17595.2	17605.8	17700.9	17811.9	17938.7	18081.3	18165.9
27.5°	16512.0	16538.4	16475.0	16448.6	16416.9	16358.8	16469.8	16607.1	16697.0	16813.2	16855.5
30°	15259.8	15312.6	15265.0	15243.9	15164.6	15090.7	15206.9	15344.3	15434.1	15545.1	15592.6
32.5°	14144.9	14129.0	14086.7	14039.2	13959.9	13901.8	13949.4	14107.9	14176.6	14292.8	14308.7
35°	12950.7	12940.1	12913.7	12818.6	12792.2	12723.5	12765.8	12903.2	12956.0	13024.7	13077.5
37.5°	11783.0	11746.0	11735.4	11698.4	11650.9	11635.0	11635.0	11709.0	11761.8	11830.5	11883.4
40°	10625.8	10636.4	10604.7	10573.0	10557.1	10536.0	10541.3	10583.5	10625.8	10657.5	10689.2
42.5°	9579.6	9521.5	9500.4	9468.7	9484.5	9510.9	9452.8	9516.2	9569.0	9569.0	9637.7
45°	8380.2	8406.6	8417.2	8470.0	8470.0	8443.6	8422.5	8454.2	8507.0	8501.7	8570.4
47.5°	7334.0	7302.3	7328.7	7408.0	7476.6	7487.2	7423.8	7439.7	7455.5	7429.1	7492.5
50°	6187.4	6198.0	6192.7	6314.2	6451.6	6404.0	6356.5	6372.3	6367.0	6367.0	6377.6
52.5°	4940.4	4966.8	4935.1	5109.5	5257.4	5220.4	5188.7	5188.7	5215.2	5209.9	5204.6
55°	3804.4	3793.8	3725.1	3809.7	3941.8	3947.0	3899.5	3920.6	3947.0	3973.5	3968.2
57.5°	2832.1	2800.4	2705.3	2710.6	2858.6	2895.5	2853.3	2848.0	2879.7	2890.3	2948.4
60°	1907.5	1902.2	1817.6	1812.4	1870.5	1970.9	1923.3	1923.3	1933.9	1949.7	1965.6
62.5°	1305.1	1315.7	1284.0	1278.7	1289.3	1373.8	1368.5	1363.2	1357.9	1379.1	1373.8
65°	1025.1	1030.4	1019.8	1019.8	1025.1	1062.1	1099.0	1104.3	1109.6	1114.9	1109.6
67.5°	824.3	829.6	819.0	829.6	829.6	834.8	887.7	908.8	914.1	914.1	908.8
70°	634.1	655.2	665.8	665.8	665.8	665.8	702.8	729.2	723.9	692.2	660.5
72.5°	317.0	385.7	533.7	539.0	533.7	528.4	549.5	575.9	570.7	401.6	301.2
75°	211.4	227.2	417.4	438.6	433.3	412.1	433.3	465.0	454.4	258.9	248.3
77.5°	121.5	132.1	280.0	322.3	348.7	301.2	343.5	375.2	359.3	211.4	206.1
80°	95.1	89.8	200.8	248.3	237.8	190.2	280.0	301.2	274.8	158.5	142.7
82.5°	58.1	58.1	132.1	190.2	174.4	111.0	195.5	232.5	206.1	116.2	105.7
85°	31.7	37.0	63.4	95.1	100.4	74.0	105.7	126.8	126.8	74.0	74.0
87.5°	15.9	15.9	21.1	21.1	26.4	31.7	31.7	37.0	26.4	21.1	21.1
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)