

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: P636243

Luminaire Tested: **IFLD-L-SA8D-940-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636243  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-940-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38549.9 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

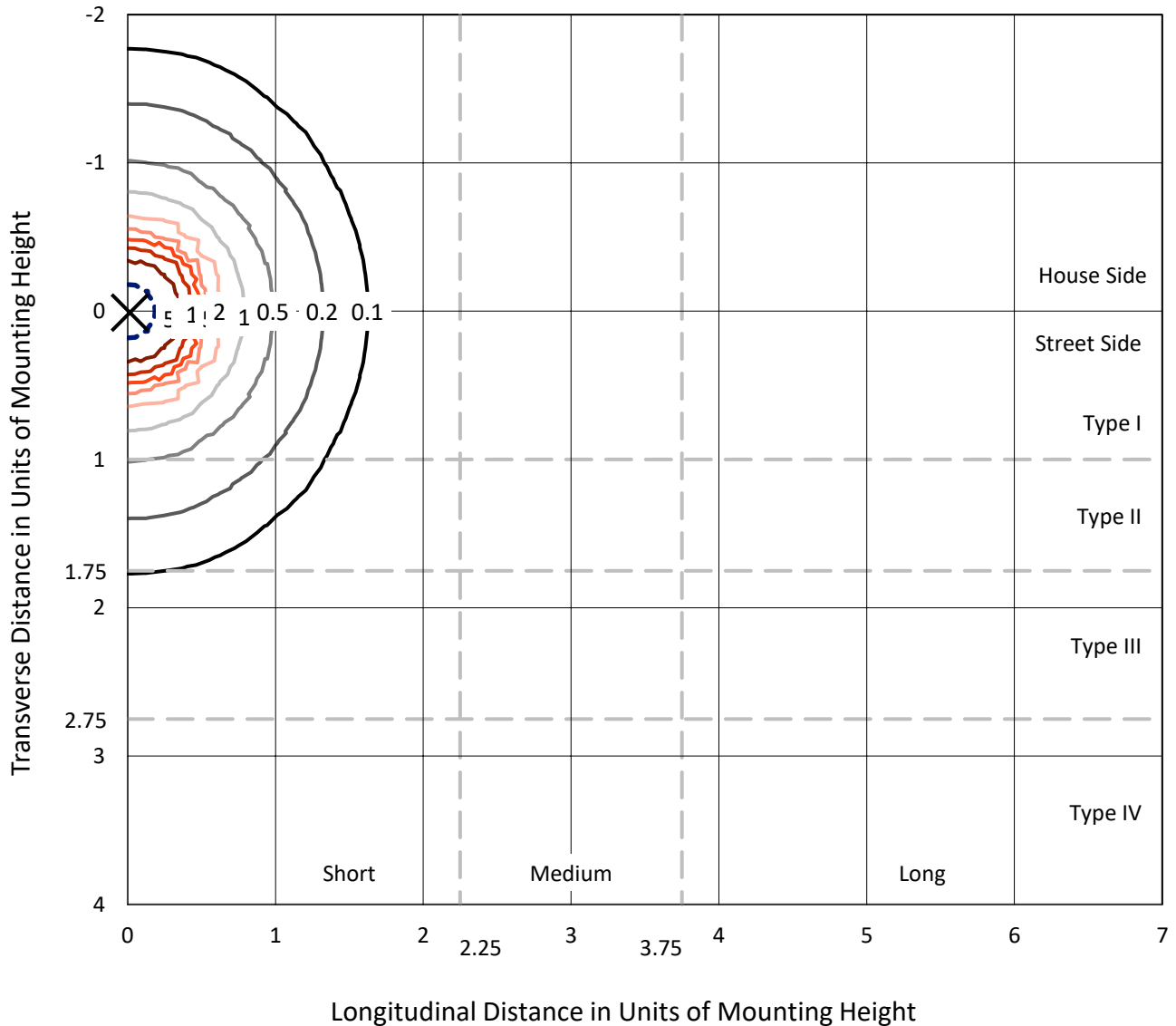
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

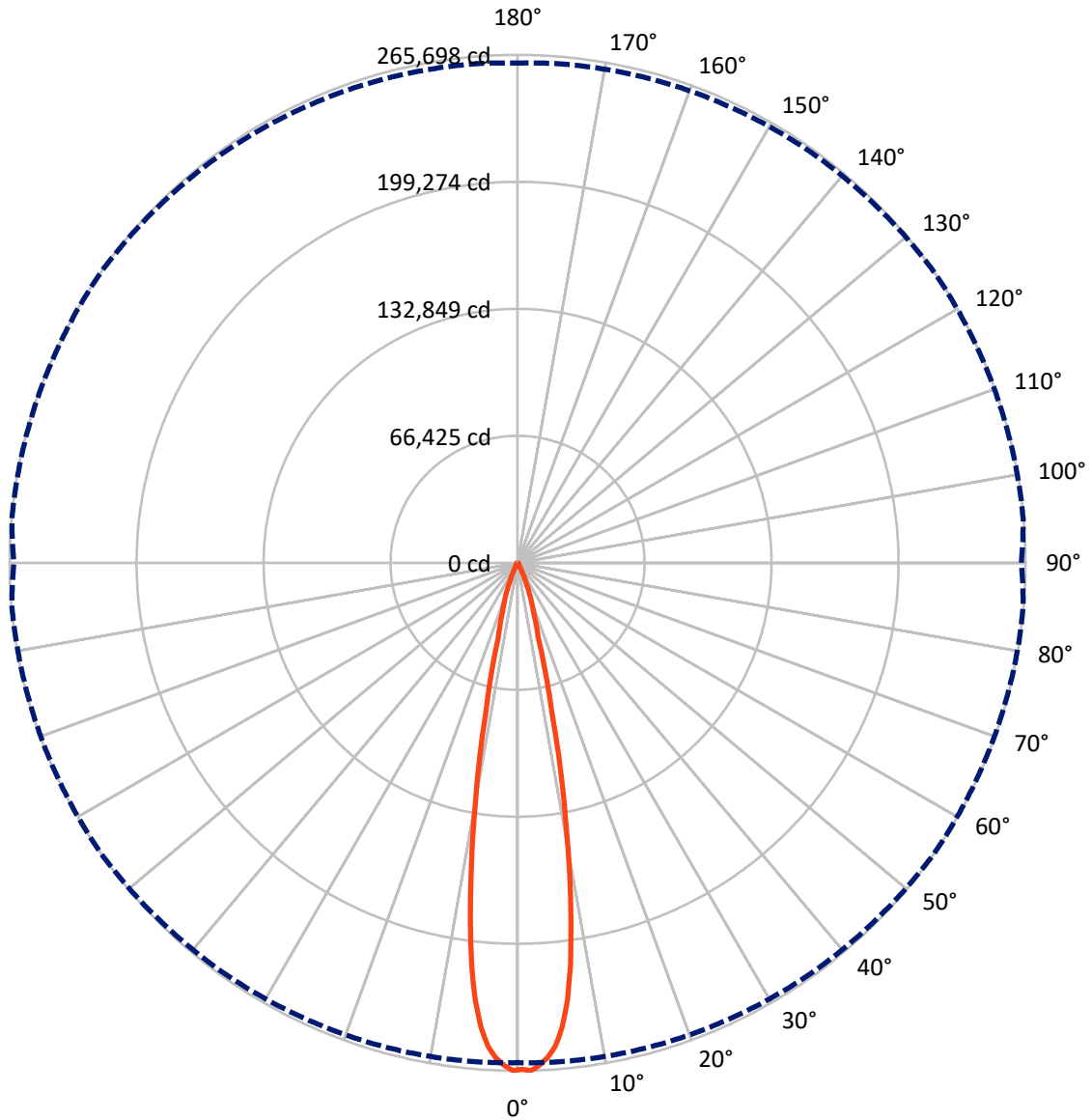
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 662.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19275.0	0.0	19275.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19275.0	0.0	19275.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38549.9	0.0	38549.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19586.2	50.8
10°-20°	13881.0	36.0
20°-30°	3252.6	8.4
30°-40°	679.8	1.8
40°-50°	438.6	1.1
50°-60°	324.8	0.8
60°-70°	220.8	0.6
70°-80°	117.8	0.3
80°-90°	48.3	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°	38549.9	100.0
0°-180°	38549.9	100.0



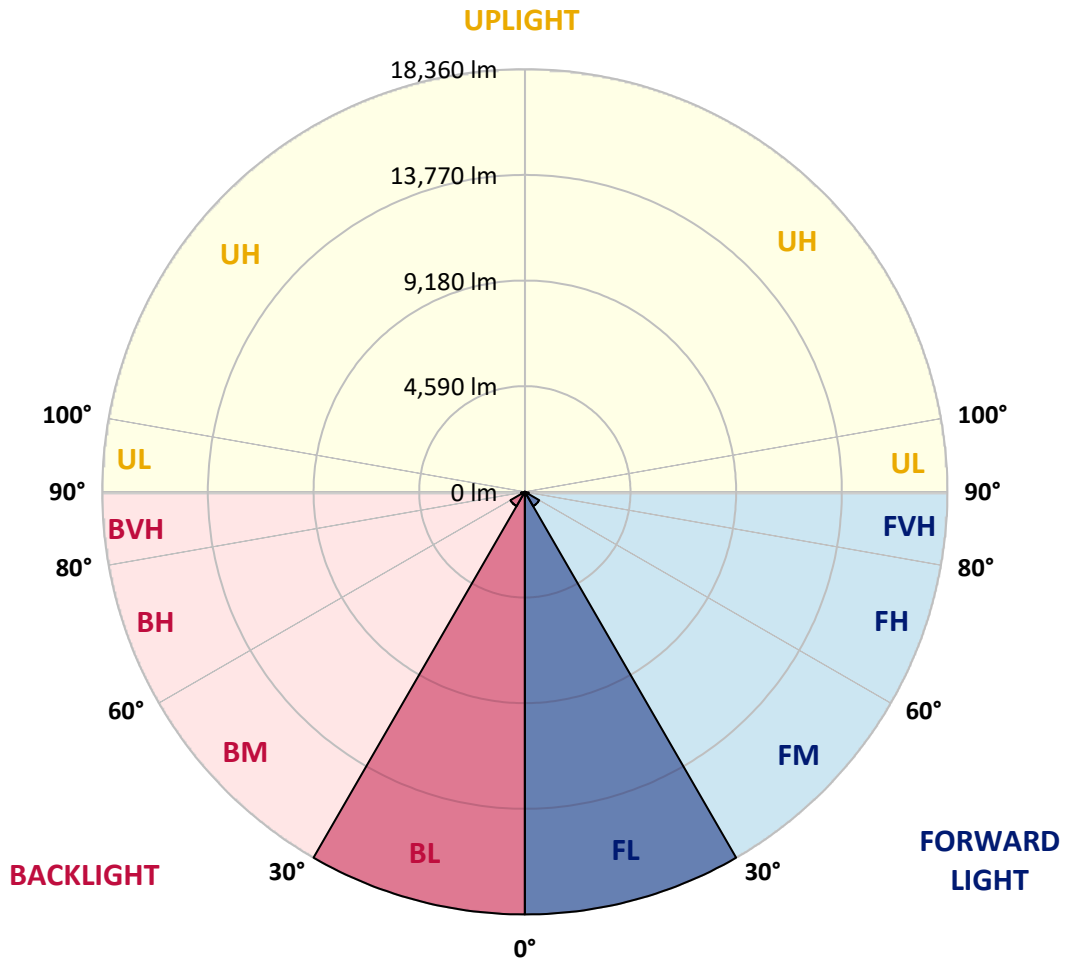
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18359.9	47.6			
FM (30°-60°)	721.6	1.9			
FH (60°-80°)	169.3	0.4			G0/660
FVH (80°-90°)	24.1	0.1			G1/100
BL (0°-30°)	18359.9	47.6	B5		
BM (30°-60°)	721.6	1.9	B1/1000		
BH (60°-80°)	169.3	0.4	B1/500		G0/660
BVH (80°-90°)	24.1	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°
0°	265016.6	265016.6	265016.6	265016.6	265016.6	265016.6	265016.6	265016.6	265016.6	265016.6
1°	261451.0	261935.1	262528.2	263066.8	263878.1	264539.3	265698.3	265452.9	265418.8	265466.5
2°	256385.6	256992.4	257905.9	258444.5	260537.5	261396.5	263148.6	263666.7	263250.8	263721.2
3°	248797.7	249295.4	250727.1	251783.8	254497.2	256815.1	259160.3	259937.5	259453.5	259671.7
4°	239764.6	240275.9	242007.5	244161.8	248081.9	250652.1	253460.9	254156.3	252574.6	252683.7
5°	229013.4	229252.0	231372.2	233335.7	238026.1	241141.7	243807.3	244025.5	242580.2	242028.0
6°	216919.1	216489.6	218439.4	219271.2	225100.1	228277.1	230226.9	229974.6	228877.0	228406.6
7°	202547.8	201961.5	203536.4	203086.4	208247.3	210060.7	211935.5	211076.5	210203.9	211287.9
8°	185920.0	185592.7	184576.9	186417.6	187440.3	189062.8	189056.0	188558.3	188531.1	190337.7
9°	161745.1	164765.3	163872.2	165801.5	165542.5	165467.5	164969.8	164649.4	163285.9	165365.2
10°	135197.8	137174.9	138681.5	141558.5	140999.5	141790.3	139022.4	139492.8	138586.1	140304.1
12.5°	69981.6	72204.1	73506.3	75701.5	78114.9	80582.8	79785.2	78960.3	77726.3	79239.8
15°	34448.8	35328.3	35744.1	37973.5	39691.5	40311.9	40407.3	39677.8	39364.2	39691.5
17.5°	21141.1	21447.8	22654.5	25217.9	26704.1	27072.3	26833.7	26036.0	25142.9	24768.0
20°	15305.3	15393.9	15850.7	16348.4	18332.3	19368.5	18986.7	18202.7	17377.8	16989.2
22.5°	9994.5	10083.1	10233.1	10505.8	11037.5	12319.2	11903.4	11371.6	10812.6	10696.7
25°	5658.5	5658.5	5815.3	6094.8	6490.3	6585.7	6667.5	6101.7	5842.6	5726.7
27.5°	3156.5	3177.0	3211.0	3320.1	3517.8	3497.4	3408.7	3258.8	3081.5	2897.4
30°	1745.3	1765.7	1786.2	1813.5	1847.5	1786.2	1731.6	1704.4	1629.4	1608.9
32.5°	1309.0	1309.0	1322.6	1315.8	1281.7	1206.7	1172.6	1213.5	1206.7	1172.6
35°	1077.2	1077.2	1090.8	1118.1	1049.9	995.4	968.1	1022.6	1022.6	1002.2
37.5°	879.5	886.3	893.1	927.2	906.7	845.4	838.6	852.2	859.0	852.2
40°	770.4	763.6	763.6	770.4	756.7	743.1	729.5	722.7	729.5	722.7
42.5°	668.1	661.3	674.9	661.3	634.0	640.8	640.8	620.4	627.2	613.6
45°	586.3	579.5	586.3	572.7	552.2	559.0	559.0	531.8	531.8	524.9
47.5°	518.1	518.1	518.1	524.9	490.9	484.0	490.9	484.0	463.6	456.8
50°	450.0	456.8	463.6	477.2	443.1	429.5	429.5	429.5	415.9	409.0
52.5°	415.9	422.7	422.7	422.7	402.2	388.6	388.6	381.8	375.0	368.1
55°	402.2	402.2	402.2	375.0	368.1	361.3	340.9	334.1	327.2	327.2
57.5°	381.8	381.8	375.0	354.5	334.1	334.1	306.8	300.0	293.2	293.2
60°	340.9	340.9	340.9	334.1	306.8	300.0	272.7	259.1	252.2	252.2
62.5°	313.6	313.6	313.6	286.3	279.5	259.1	238.6	218.2	211.3	197.7
65°	286.3	286.3	286.3	259.1	245.4	225.0	197.7	177.3	163.6	143.2
67.5°	265.9	265.9	259.1	238.6	218.2	190.9	163.6	143.2	115.9	102.3
70°	231.8	231.8	225.0	211.3	190.9	170.4	136.3	109.1	88.6	68.2
72.5°	197.7	197.7	190.9	177.3	163.6	143.2	115.9	95.4	61.4	47.7
75°	163.6	163.6	156.8	143.2	136.3	122.7	102.3	75.0	47.7	20.5
77.5°	136.3	136.3	129.5	122.7	115.9	102.3	88.6	61.4	34.1	13.6
80°	102.3	109.1	109.1	109.1	95.4	88.6	81.8	61.4	27.3	6.8
82.5°	75.0	81.8	81.8	81.8	75.0	68.2	75.0	54.5	27.3	6.8
85°	54.5	54.5	61.4	61.4	61.4	61.4	81.8	61.4	20.5	6.8
87.5°	27.3	27.3	27.3	27.3	27.3	34.1	40.9	34.1	13.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
265016.6  
**263564.4**  
261935.1  
258035.5  
251061.2  
240875.8  
227349.9  
210953.8  
185326.8  
161486.1  
135900.0  
75142.5  
38164.3  
24243.0  
16689.2  
10458.0  
5631.3  
2904.3  
1608.9  
1152.2  
995.4  
852.2  
729.5  
620.4  
524.9  
456.8  
402.2  
361.3  
320.4  
293.2  
245.4  
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