

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: P636098

Luminaire Tested: **IFLD-L-SA8D-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636098
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38277.9 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

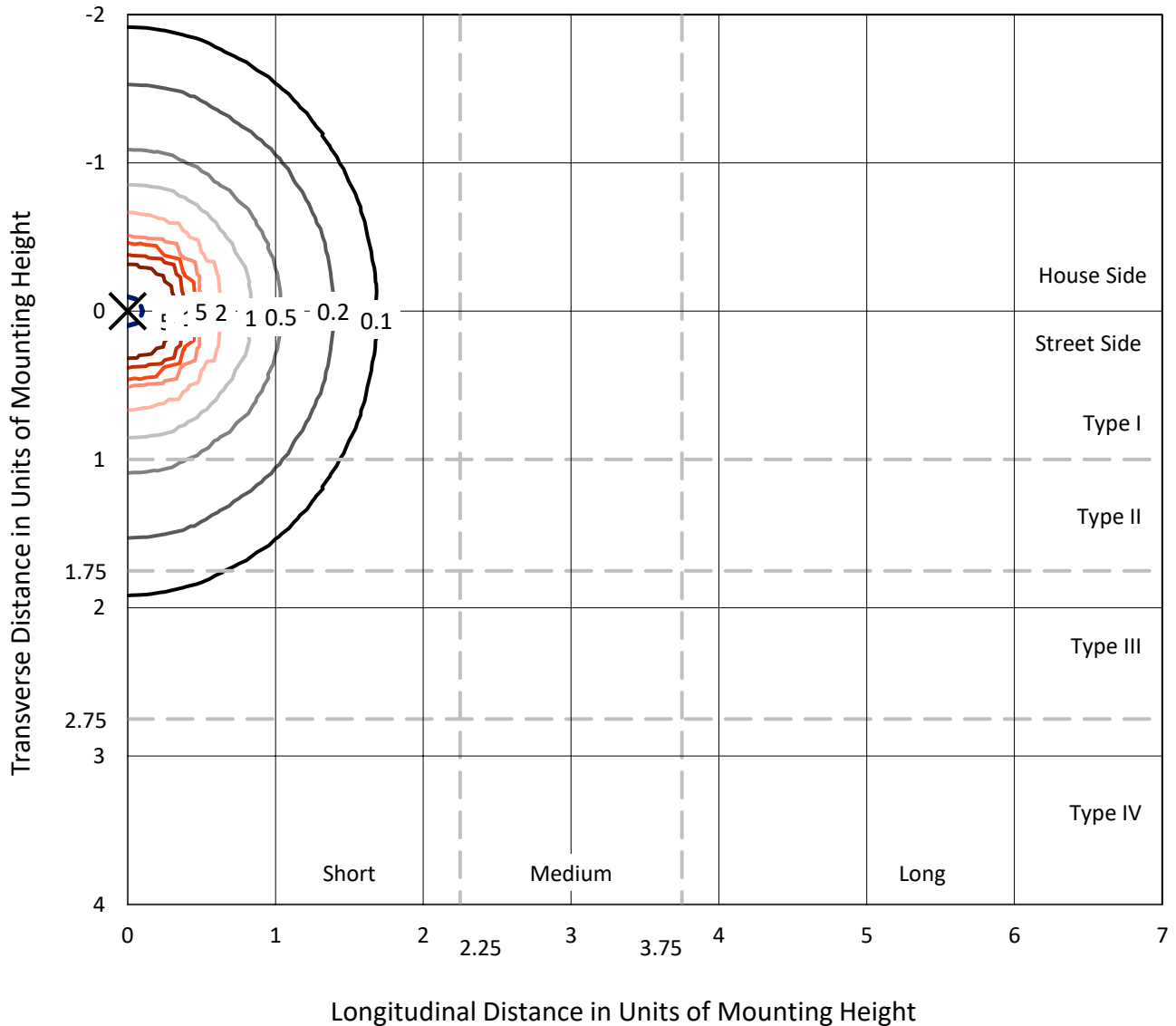
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

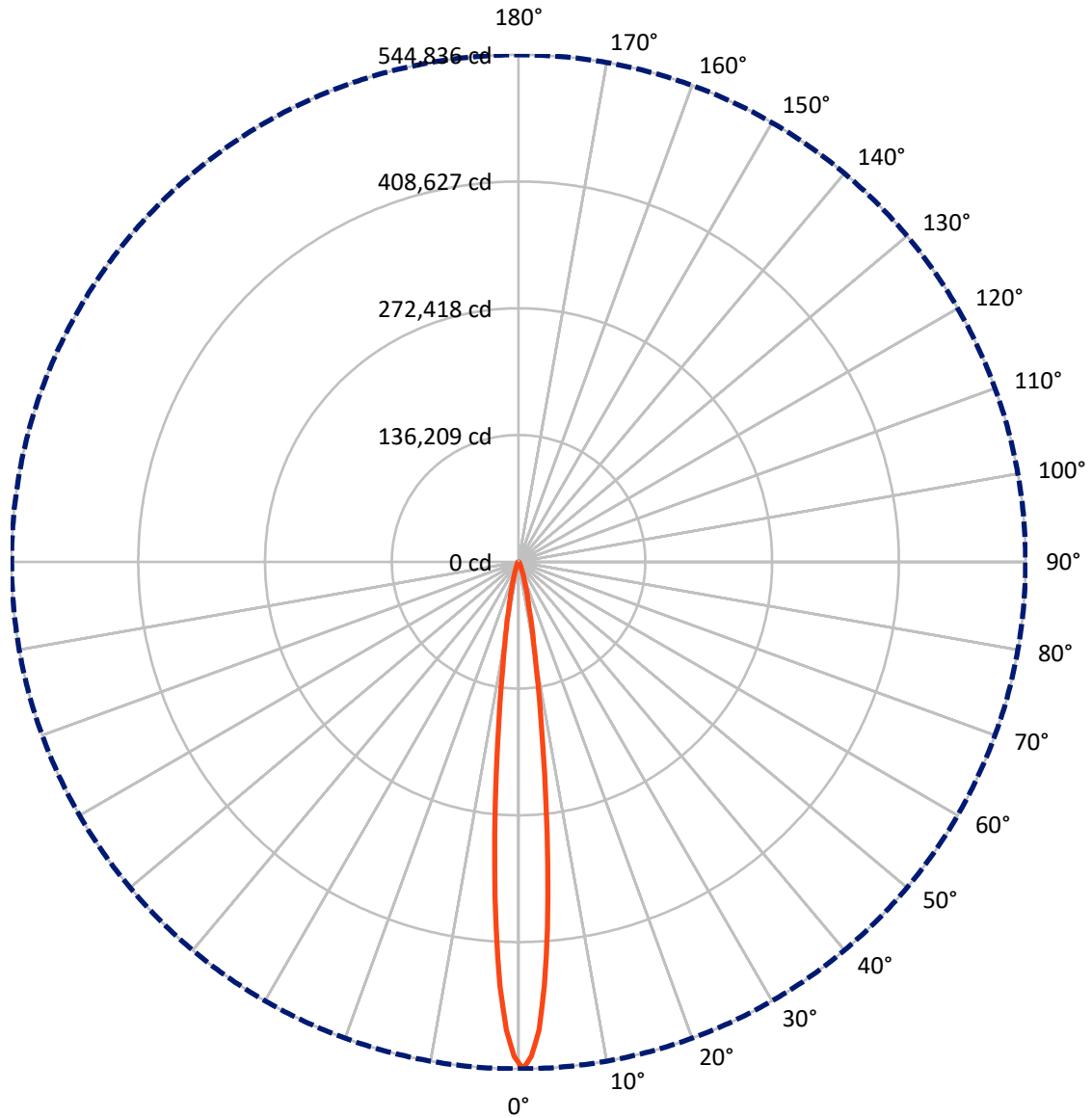
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1362.1 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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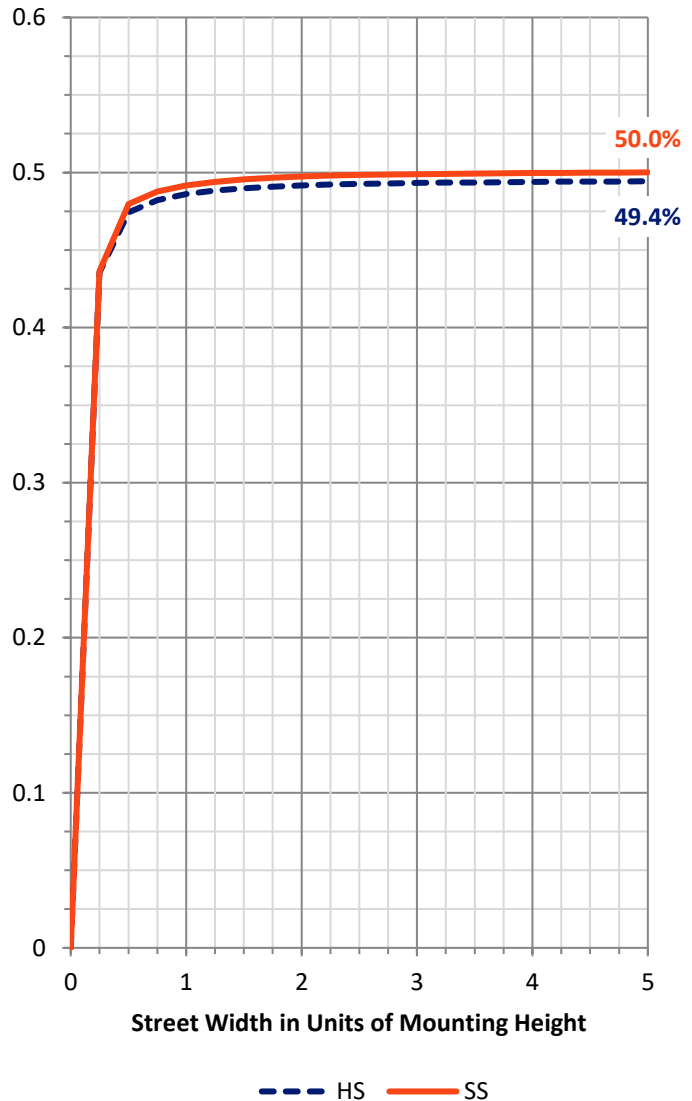
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19139.0	0.0	19139.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19139.0	0.0	19139.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38277.9	0.0	38277.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23333.5	61.0
10°-20°	10453.5	27.3
20°-30°	2334.5	6.1
30°-40°	762.0	2.0
40°-50°	525.5	1.4
50°-60°	397.0	1.0
60°-70°	271.7	0.7
70°-80°	143.1	0.4
80°-90°	57.1	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°	38277.9	100.0
0°-180°	38277.9	100.0

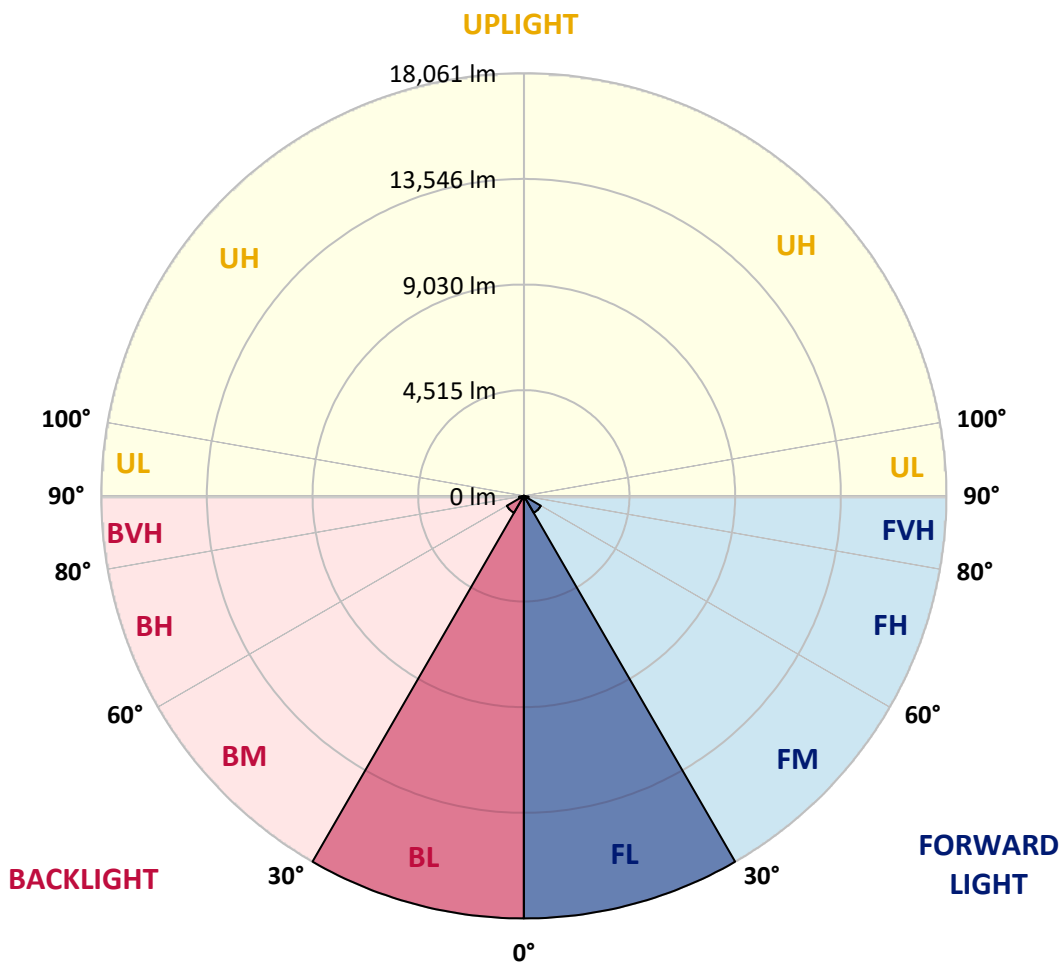


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18060.8	47.2			
FM (30°-60°)	842.2	2.2			
FH (60°-80°)	207.4	0.5			G0/660
FVH (80°-90°)	28.6	0.1			G1/100
BL (0°-30°)	18060.8	47.2	B5		
BM (30°-60°)	842.2	2.2	B1/1000		
BH (60°-80°)	207.4	0.5	B1/500		G0/660
BVH (80°-90°)	28.6	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°	544836.0	544836.0	544836.0	544836.0	544836.0	544836.0	544836.0	544836.0	544836.0	544836.0
1°	531309.0	532031.7	531227.2	535290.8	536968.0	537840.7	537943.0	540233.8	538468.0	538958.9
2°	503307.4	504916.4	502223.3	504827.8	510036.8	512007.2	508795.9	512764.0	511345.8	512170.8
3°	456256.1	458226.5	454503.9	457687.9	464390.0	465890.0	460626.5	466265.0	466121.8	467308.1
4°	395609.7	398807.3	393489.3	397259.6	400225.5	405448.1	400348.2	406764.0	406641.2	408700.3
5°	326768.0	330224.7	325602.1	329515.6	332324.7	334267.8	332399.7	339497.2	339947.2	342074.5
6°	259405.8	262630.7	257469.5	261205.7	265657.9	266455.6	265971.5	272080.5	273437.3	271780.5
7°	199638.9	200443.4	199632.1	203027.4	206600.1	206729.6	207356.9	212729.5	213922.7	213350.0
8°	152894.4	149212.7	152376.3	154176.2	155280.7	160353.4	160728.4	163435.1	165630.5	165787.3
9°	116383.9	112974.8	116636.1	117352.0	119888.3	124395.1	123829.2	126788.2	128165.4	128076.8
10°	88729.9	86998.1	88832.2	89623.1	91709.4	95527.5	96188.8	97545.6	98568.3	99236.5
12.5°	48149.0	48551.2	49614.8	50446.6	53255.7	54271.6	54680.6	54796.5	54789.7	54898.8
15°	29910.7	30238.0	30981.2	32487.9	34199.3	35460.6	35637.9	34983.3	34417.4	34328.8
17.5°	18654.1	18524.6	20270.0	21920.0	23979.0	24633.6	23951.8	23201.8	22431.3	21988.2
20°	11195.2	11283.8	11877.0	12613.4	14277.0	15408.8	14699.7	13936.1	13138.4	12613.4
22.5°	6361.2	6456.7	6715.8	7097.6	7731.7	8761.2	8311.2	7540.7	6974.8	6743.0
25°	3756.7	3756.7	3913.6	4084.0	4349.9	4588.5	4493.1	4084.0	3749.9	3654.5
27.5°	2434.0	2413.6	2468.1	2549.9	2672.7	2686.3	2577.2	2454.5	2284.0	2222.7
30°	1779.5	1786.3	1779.5	1813.6	1806.8	1759.1	1690.9	1697.7	1629.5	1622.7
32.5°	1445.4	1452.2	1452.2	1445.4	1411.3	1336.3	1288.6	1336.3	1322.7	1309.1
35°	1200.0	1206.8	1275.0	1268.2	1213.6	1131.8	1097.7	1152.2	1193.2	1131.8
37.5°	1036.3	1043.2	1097.7	1125.0	1056.8	1002.3	961.3	1009.1	1070.4	1002.3
40°	913.6	920.4	934.1	940.9	906.8	879.5	859.1	872.7	900.0	865.9
42.5°	804.5	797.7	804.5	797.7	756.8	770.4	756.8	736.3	756.8	729.5
45°	702.3	702.3	702.3	681.8	640.9	668.2	654.5	634.1	640.9	620.4
47.5°	640.9	640.9	640.9	613.6	579.5	579.5	586.4	552.3	559.1	552.3
50°	579.5	579.5	593.2	565.9	538.6	518.2	525.0	497.7	504.5	497.7
52.5°	531.8	531.8	531.8	518.2	497.7	484.1	470.4	456.8	450.0	443.2
55°	511.4	511.4	504.5	463.6	456.8	443.2	415.9	409.1	395.4	388.6
57.5°	477.3	477.3	470.4	436.4	409.1	409.1	368.2	361.4	340.9	340.9
60°	422.7	422.7	415.9	409.1	375.0	354.5	327.3	313.6	293.2	286.4
62.5°	402.3	402.3	388.6	354.5	347.7	313.6	286.4	259.1	245.4	231.8
65°	375.0	368.2	361.4	327.3	300.0	279.5	245.4	211.4	197.7	170.5
67.5°	334.1	334.1	327.3	300.0	272.7	238.6	204.5	177.3	143.2	122.7
70°	293.2	286.4	286.4	259.1	238.6	211.4	163.6	136.4	102.3	81.8
72.5°	245.4	245.4	238.6	218.2	204.5	184.1	143.2	109.1	68.2	54.5
75°	197.7	197.7	190.9	177.3	170.5	150.0	122.7	95.5	54.5	27.3
77.5°	163.6	156.8	156.8	143.2	136.4	122.7	102.3	75.0	40.9	20.5
80°	122.7	122.7	129.5	122.7	109.1	102.3	88.6	68.2	34.1	13.6
82.5°	88.6	88.6	95.5	95.5	95.5	88.6	88.6	68.2	34.1	6.8
85°	61.4	61.4	75.0	68.2	68.2	75.0	109.1	88.6	27.3	6.8
87.5°	34.1	34.1	34.1	27.3	27.3	34.1	40.9	34.1	13.6	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

544836.0
535352.1
509225.4
464124.1
405086.7
338010.9
271951.0
212565.9
163810.1
130163.1
99631.9
54987.5
34056.1
21920.0
12729.3
6770.3
3640.8
2222.7
1615.9
1281.8
1118.2
995.4
852.3
729.5
620.4
552.3
497.7
443.2
381.8
340.9
272.7
225.0
163.6
122.7
81.8
47.7
27.3
13.6
6.8
6.8
6.8
6.8
0.0

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