

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: P636356

Luminaire Tested: **IFLD-L-SA8A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636356
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21265.3 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

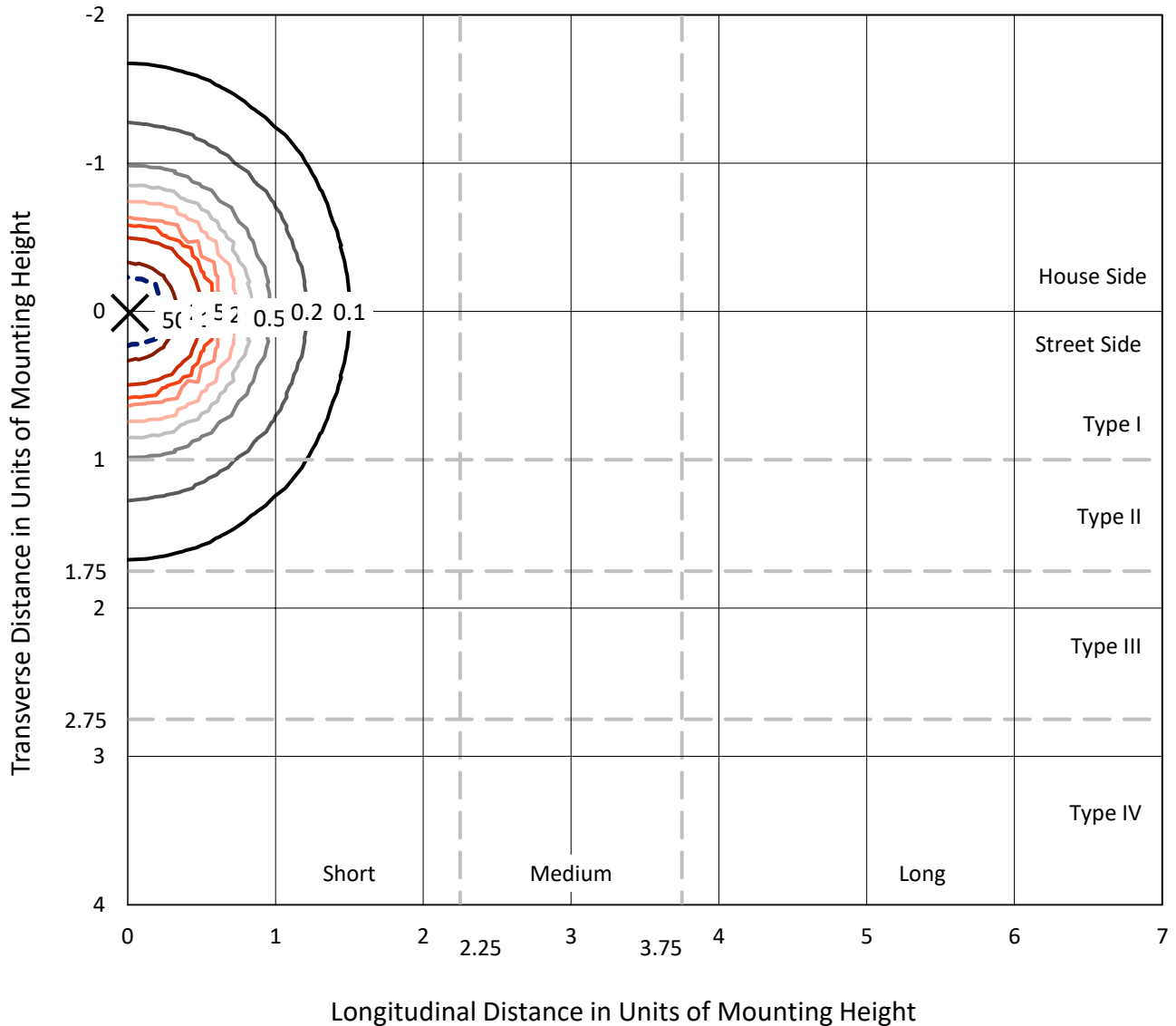
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

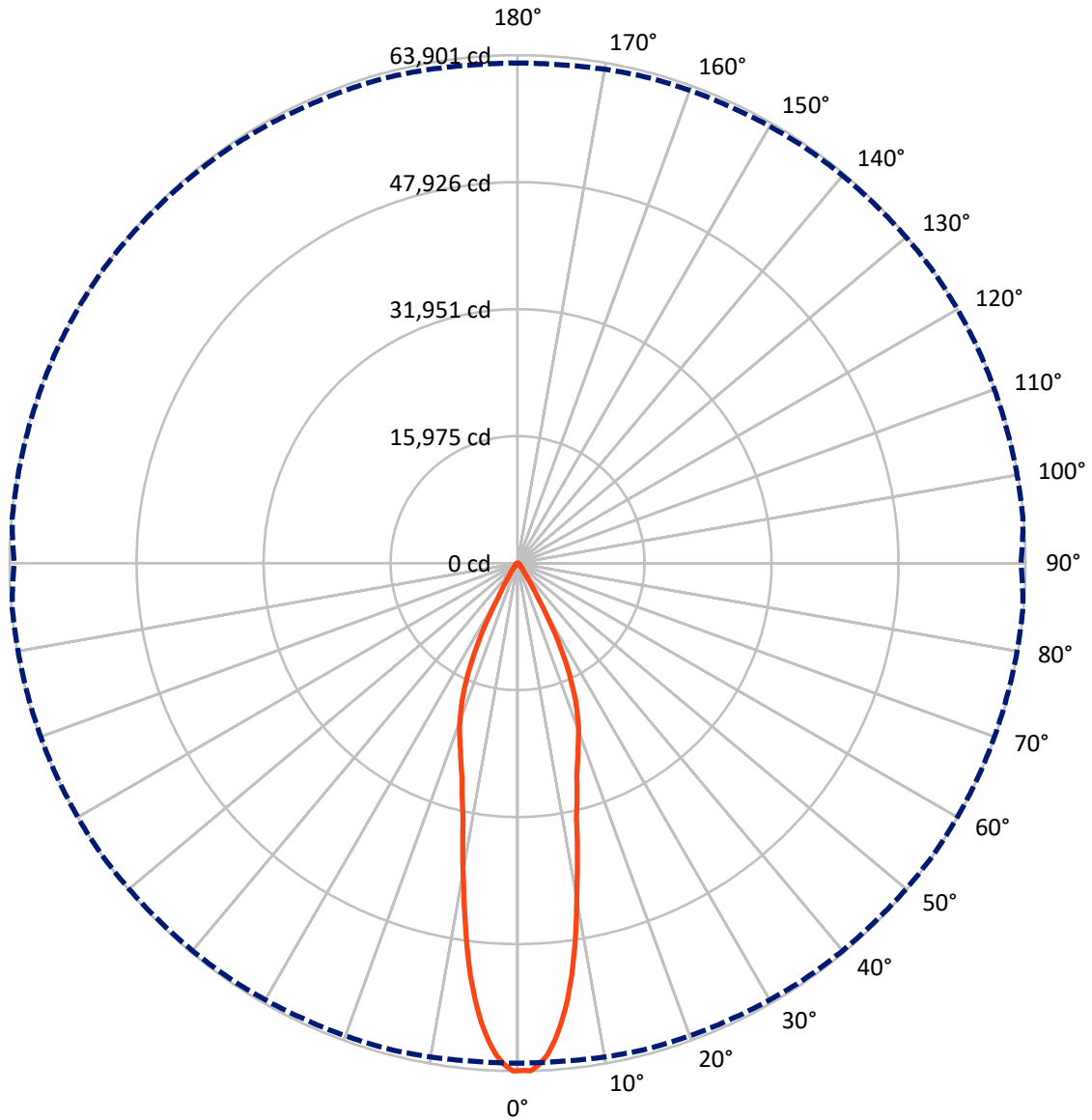
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 159.6 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
House Side	Lumens	10632.7	0.0	10632.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10632.7	0.0	10632.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21265.3	0.0	21265.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4856.4	22.8
10°-20°	7931.8	37.3
20°-30°	6198.2	29.1
30°-40°	1351.0	6.4
40°-50°	400.0	1.9
50°-60°	250.2	1.2
60°-70°	175.0	0.8
70°-80°	75.1	0.4
80°-90°	27.7	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°	21265.3	100.0
0°-180°	21265.3	100.0



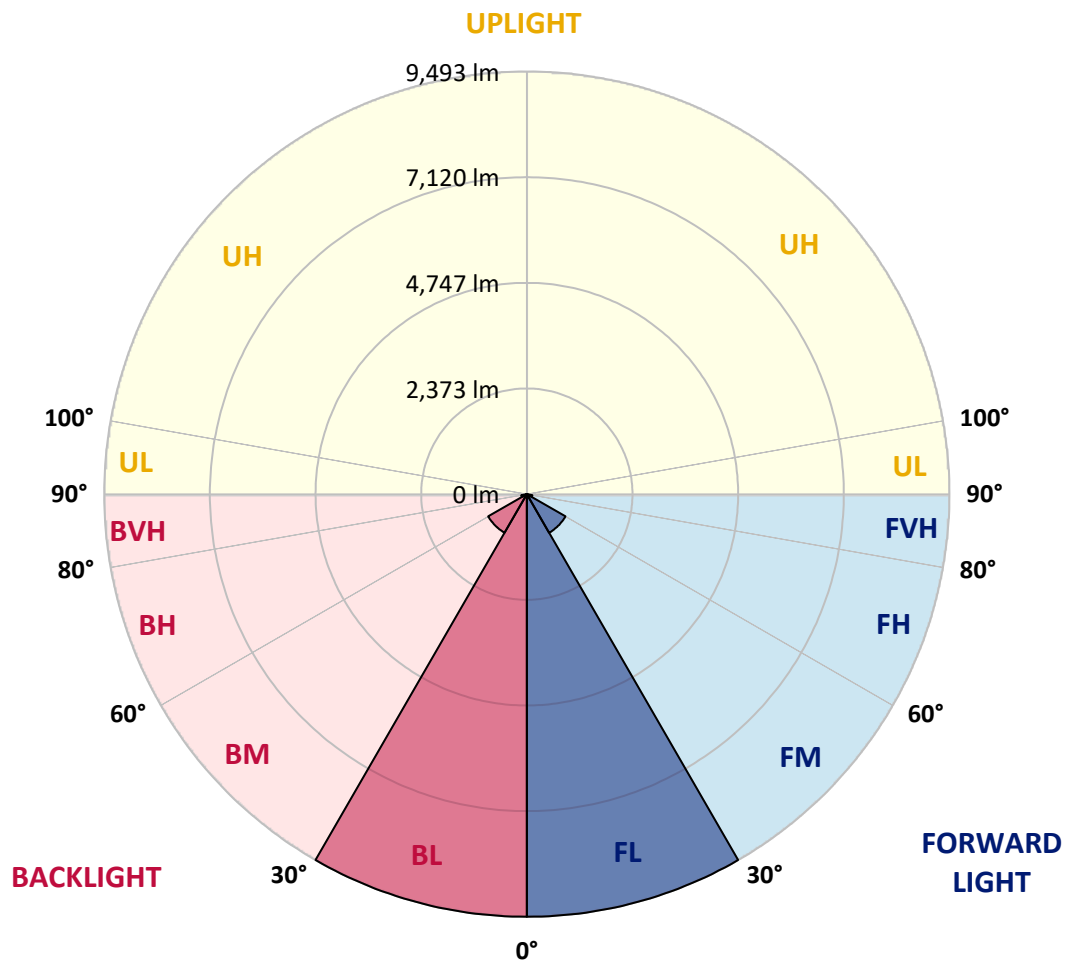
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9493.2	44.6			
FM	(30°-60°)	1000.6	4.7			
FH	(60°-80°)	125.0	0.6			G0/660
FVH	(80°-90°)	13.9	0.1			G1/100
BL	(0°-30°)	9493.2	44.6	B5		
BM	(30°-60°)	1000.6	4.7	B2/2500		
BH	(60°-80°)	125.0	0.6	B1/500		G0/660
BVH	(80°-90°)	13.9	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°
0°	63828.2	63828.2	63828.2	63828.2	63828.2	63828.2	63828.2	63828.2	63828.2	63828.2
1°	62904.2	62911.9	63254.5	63331.5	63566.4	63685.7	63901.3	63878.2	63812.8	63820.5
2°	61745.5	61695.4	62014.9	62369.1	62650.1	62881.1	63139.1	63193.0	63131.4	63189.1
3°	59839.9	59766.7	60213.3	60656.0	61144.9	61541.4	61930.2	61945.6	61872.5	61868.7
4°	57333.7	57199.0	57730.2	58519.4	59135.4	59662.8	60147.8	60140.1	60040.0	60120.9
5°	54304.0	54134.6	54823.7	55863.1	56775.5	57410.7	57945.8	57818.8	57587.8	57599.3
6°	50585.2	50750.7	51593.8	53052.8	54130.7	54658.1	55316.4	55077.8	54677.4	54635.1
7°	47089.6	47463.0	48136.7	49896.1	51178.0	51732.4	52290.6	51809.4	51266.6	51178.0
8°	43409.3	44033.0	44964.6	46585.3	47952.0	48510.2	48721.9	48206.0	47624.7	47601.6
9°	40425.8	40853.1	41653.8	43082.1	44471.8	44845.2	44891.4	44441.0	43859.7	43898.2
10°	37711.7	37792.6	38485.5	39713.6	40826.1	41091.8	41080.2	40753.0	40275.6	40402.7
12.5°	31636.9	31856.3	32056.5	32449.2	32822.6	32995.8	32930.4	32795.7	32533.9	32545.4
15°	27513.9	27510.0	27533.1	27714.0	27825.7	27844.9	27844.9	27675.5	27563.9	27729.4
17.5°	23875.9	24076.1	24434.1	24580.4	24726.7	24672.8	24572.7	24495.7	24422.5	24565.0
20°	21046.4	21134.9	21138.7	21235.0	21974.1	22012.6	21885.6	21666.2	21481.4	21446.7
22.5°	17862.6	17997.4	18055.1	18139.8	18216.8	18778.9	18628.7	18274.6	18055.1	17989.7
25°	13408.5	13362.3	13739.6	14432.6	14544.2	14613.5	14575.0	14390.2	14247.8	14274.7
27.5°	9266.2	9347.1	9331.7	9339.4	10074.7	10070.8	10059.3	9897.6	9855.3	9793.7
30°	5181.7	5143.2	5162.5	5112.4	5008.5	5135.5	4931.5	5104.7	4935.3	4989.2
32.5°	3064.4	3037.4	3010.5	3022.0	2945.0	2756.4	2675.5	2794.9	2756.4	2741.0
35°	1955.7	1967.2	2001.8	1998.0	1928.7	1820.9	1705.4	1813.2	1797.8	1751.6
37.5°	1247.3	1247.3	1258.9	1358.9	1301.2	1208.8	1128.0	1174.2	1170.3	1162.6
40°	885.4	885.4	900.8	927.8	897.0	850.8	804.6	804.6	812.3	789.2
42.5°	658.3	658.3	673.7	689.1	650.6	635.2	612.1	596.7	616.0	596.7
45°	515.9	512.0	515.9	508.2	485.1	485.1	465.8	442.7	465.8	454.3
47.5°	423.5	419.6	415.8	400.4	377.3	381.1	373.4	354.2	365.7	361.9
50°	369.6	361.9	365.7	350.3	331.1	327.2	327.2	308.0	311.8	311.8
52.5°	323.4	323.4	319.5	311.8	304.1	288.7	292.6	273.3	273.3	273.3
55°	304.1	304.1	296.4	281.0	284.9	273.3	261.8	250.2	246.4	246.4
57.5°	300.3	300.3	296.4	281.0	269.5	265.6	250.2	234.8	223.3	227.1
60°	292.6	292.6	284.9	281.0	261.8	254.1	231.0	219.4	204.0	204.0
62.5°	281.0	277.2	261.8	238.7	238.7	219.4	204.0	180.9	169.4	165.5
65°	238.7	234.8	223.3	204.0	192.5	180.9	157.8	134.7	127.0	115.5
67.5°	196.3	196.3	188.6	169.4	161.7	146.3	119.3	103.9	84.7	77.0
70°	161.7	161.7	154.0	142.4	134.7	115.5	92.4	77.0	57.7	50.0
72.5°	130.9	130.9	123.2	115.5	107.8	96.2	77.0	57.7	38.5	30.8
75°	103.9	103.9	100.1	92.4	84.7	77.0	61.6	46.2	26.9	15.4
77.5°	84.7	84.7	80.8	77.0	69.3	61.6	50.0	38.5	19.2	7.7
80°	65.4	65.4	65.4	65.4	57.7	50.0	42.3	30.8	15.4	3.8
82.5°	46.2	46.2	50.0	57.7	46.2	38.5	38.5	30.8	11.5	3.8
85°	30.8	34.6	38.5	34.6	30.8	30.8	53.9	50.0	11.5	3.8
87.5°	15.4	15.4	15.4	15.4	15.4	11.5	15.4	11.5	7.7	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°
63828.2
63346.9
62734.8
61533.7
59739.8
57037.3
54073.0
50758.4
46758.5
43324.6
39956.1
32164.3
27344.5
24237.8
21223.4
17754.9
14182.3
9570.4
5054.7
2702.5
1701.6
1147.2
781.5
592.9
454.3
361.9
315.7
273.3
242.5
227.1
192.5
157.8
111.6
73.1
46.2
26.9
11.5
7.7
3.8
3.8
3.8
0.0
0.0

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