

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: P636074

Luminaire Tested: **IFLD-S-SA2E-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636074
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12427.5 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

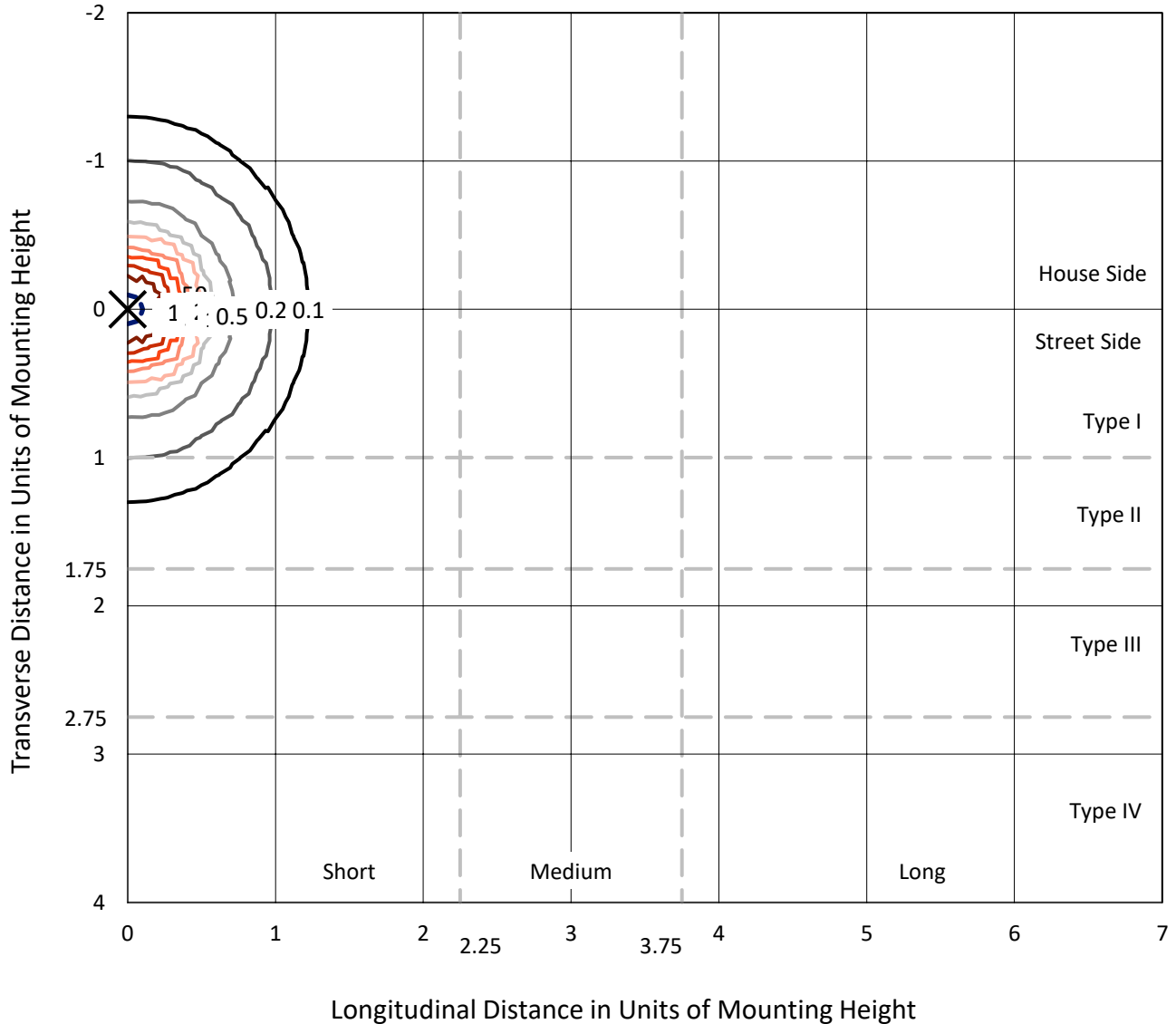
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

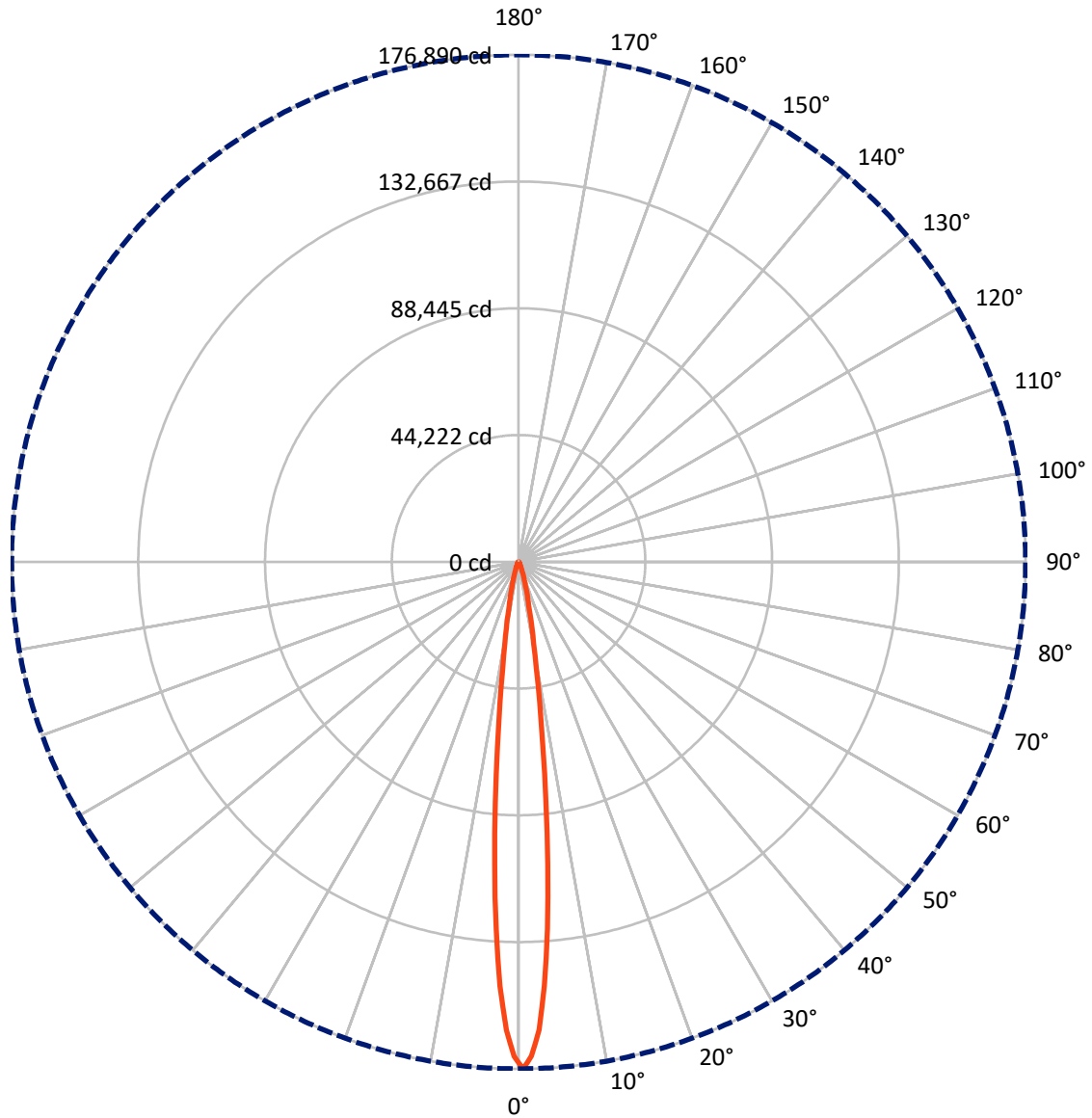
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 442.2 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	6213.8	0.0	6213.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6213.8	0.0	6213.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12427.5	0.0	12427.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7575.6	61.0
10°-20°	3393.9	27.3
20°-30°	757.9	6.1
30°-40°	247.4	2.0
40°-50°	170.6	1.4
50°-60°	128.9	1.0
60°-70°	88.2	0.7
70°-80°	46.4	0.4
80°-90°	18.5	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°	12427.5	100.0
0°-180°	12427.5	100.0

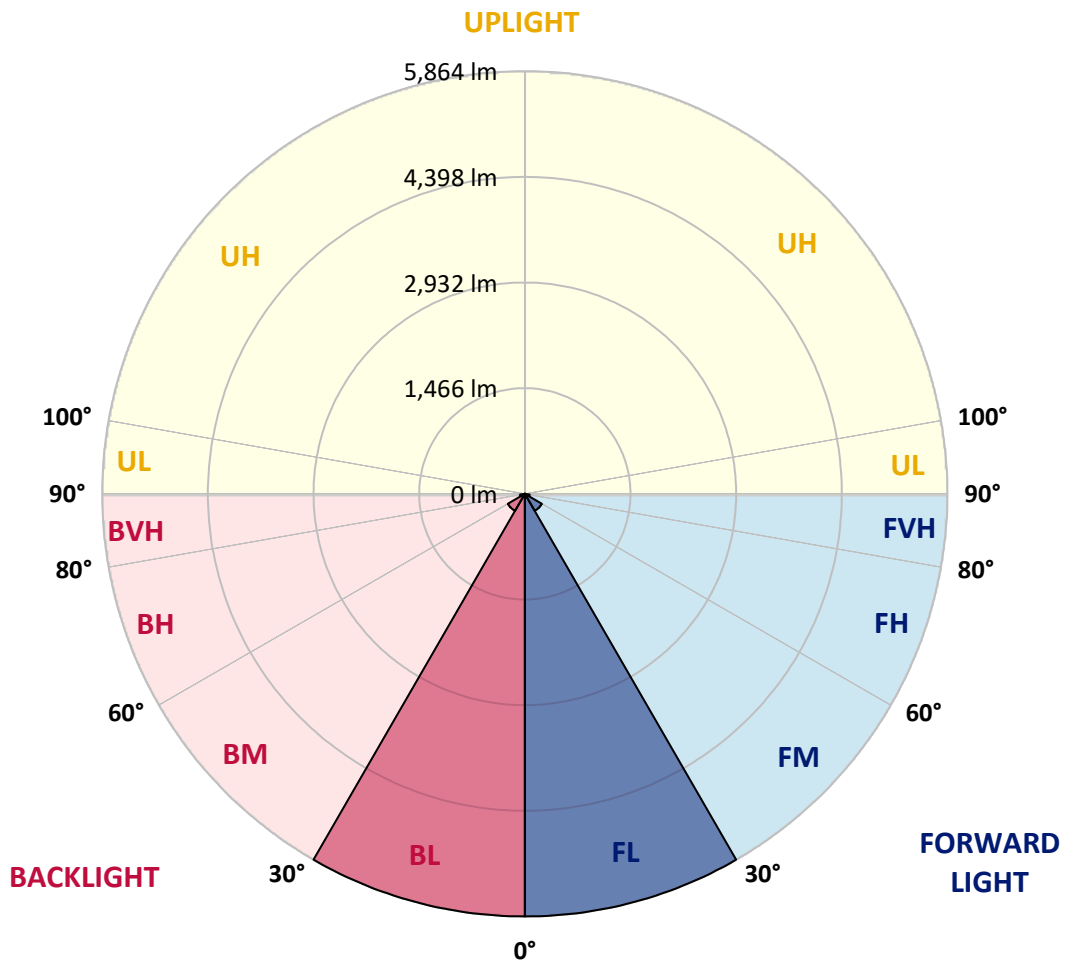


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5863.7	47.2			
FM (30°-60°)	273.5	2.2			
FH (60°-80°)	67.3	0.5			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	5863.7	47.2	B5		
BM (30°-60°)	273.5	2.2	B1/1000		
BH (60°-80°)	67.3	0.5	B0/110		G0/660
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	176889.7	176889.7	176889.7	176889.7	176889.7	176889.7	176889.7	176889.7	176889.7	176889.7
1°	172498.0	172732.6	172471.4	173790.7	174335.2	174618.6	174651.8	175395.6	174822.2	174981.6
2°	163406.8	163929.2	163054.8	163900.4	165591.6	166231.3	165188.7	166477.0	166016.6	166284.4
3°	148130.8	148770.6	147561.9	148595.7	150771.6	151258.6	149549.7	151380.4	151333.9	151719.1
4°	128441.0	129479.2	127752.6	128976.7	129939.6	131635.2	129979.4	132062.4	132022.6	132691.1
5°	106090.4	107212.7	105711.9	106982.5	107894.5	108525.4	107918.9	110223.2	110369.3	111059.9
6°	84220.2	85267.3	83591.6	84804.6	86250.1	86509.1	86351.9	88335.3	88775.8	88237.9
7°	64816.0	65077.2	64813.7	65916.1	67076.0	67118.1	67321.7	69066.0	69453.4	69267.5
8°	49639.6	48444.3	49471.4	50055.8	50414.4	52061.3	52183.0	53061.8	53774.6	53825.5
9°	37785.9	36679.1	37867.8	38100.2	38923.7	40386.8	40203.1	41163.8	41611.0	41582.2
10°	28807.6	28245.3	28840.8	29097.6	29774.9	31014.5	31229.2	31669.7	32001.8	32218.7
12.5°	15632.3	15762.9	16108.3	16378.3	17290.3	17620.1	17752.9	17790.6	17788.4	17823.8
15°	9711.0	9817.2	10058.5	10547.7	11103.3	11512.9	11570.4	11357.9	11174.2	11145.4
17.5°	6056.4	6014.3	6581.0	7116.7	7785.2	7997.7	7776.3	7532.8	7282.7	7138.8
20°	3634.7	3663.5	3856.1	4095.1	4635.2	5002.7	4772.5	4524.6	4265.6	4095.1
22.5°	2065.3	2096.3	2180.4	2304.3	2510.2	2844.5	2698.4	2448.2	2264.5	2189.2
25°	1219.7	1219.7	1270.6	1325.9	1412.3	1489.7	1458.8	1325.9	1217.5	1186.5
27.5°	790.2	783.6	801.3	827.9	867.7	872.2	836.7	796.9	741.6	721.6
30°	577.7	580.0	577.7	588.8	586.6	571.1	549.0	551.2	529.0	526.8
32.5°	469.3	471.5	471.5	469.3	458.2	433.9	418.4	433.9	429.4	425.0
35°	389.6	391.8	413.9	411.7	394.0	367.5	356.4	374.1	387.4	367.5
37.5°	336.5	338.7	356.4	365.2	343.1	325.4	312.1	327.6	347.5	325.4
40°	296.6	298.8	303.3	305.5	294.4	285.6	278.9	283.3	292.2	281.1
42.5°	261.2	259.0	261.2	259.0	245.7	250.1	245.7	239.1	245.7	236.9
45°	228.0	228.0	228.0	221.4	208.1	216.9	212.5	205.9	208.1	201.4
47.5°	208.1	208.1	208.1	199.2	188.2	188.2	190.4	179.3	181.5	179.3
50°	188.2	188.2	192.6	183.7	174.9	168.2	170.4	161.6	163.8	161.6
52.5°	172.7	172.7	172.7	168.2	161.6	157.2	152.7	148.3	146.1	143.9
55°	166.0	166.0	163.8	150.5	148.3	143.9	135.0	132.8	128.4	126.2
57.5°	155.0	155.0	152.7	141.7	132.8	132.8	119.5	117.3	110.7	110.7
60°	137.2	137.2	135.0	132.8	121.7	115.1	106.3	101.8	95.2	93.0
62.5°	130.6	130.6	126.2	115.1	112.9	101.8	93.0	84.1	79.7	75.3
65°	121.7	119.5	117.3	106.3	97.4	90.8	79.7	68.6	64.2	55.3
67.5°	108.5	108.5	106.3	97.4	88.5	77.5	66.4	57.6	46.5	39.8
70°	95.2	93.0	93.0	84.1	77.5	68.6	53.1	44.3	33.2	26.6
72.5°	79.7	79.7	77.5	70.8	66.4	59.8	46.5	35.4	22.1	17.7
75°	64.2	64.2	62.0	57.6	55.3	48.7	39.8	31.0	17.7	8.9
77.5°	53.1	50.9	50.9	46.5	44.3	39.8	33.2	24.3	13.3	6.6
80°	39.8	39.8	42.1	39.8	35.4	33.2	28.8	22.1	11.1	4.4
82.5°	28.8	28.8	31.0	31.0	31.0	28.8	28.8	22.1	11.1	2.2
85°	19.9	19.9	24.3	22.1	22.1	24.3	35.4	28.8	8.9	2.2
87.5°	11.1	11.1	11.1	8.9	8.9	11.1	13.3	11.1	4.4	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
176889.7
173810.6
165328.2
150685.3
131517.9
109740.6
88293.2
69012.9
53183.6
42259.5
32347.1
17852.6
11056.9
7116.7
4132.8
2198.1
1182.1
721.6
524.6
416.2
363.0
323.2
276.7
236.9
201.4
179.3
161.6
143.9
124.0
110.7
88.5
73.0
53.1
39.8
26.6
15.5
8.9
4.4
2.2
2.2
2.2
2.2
0.0

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