

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: P636370

Luminaire Tested: **IFLD-S-SA6A-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636370
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18233.3 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

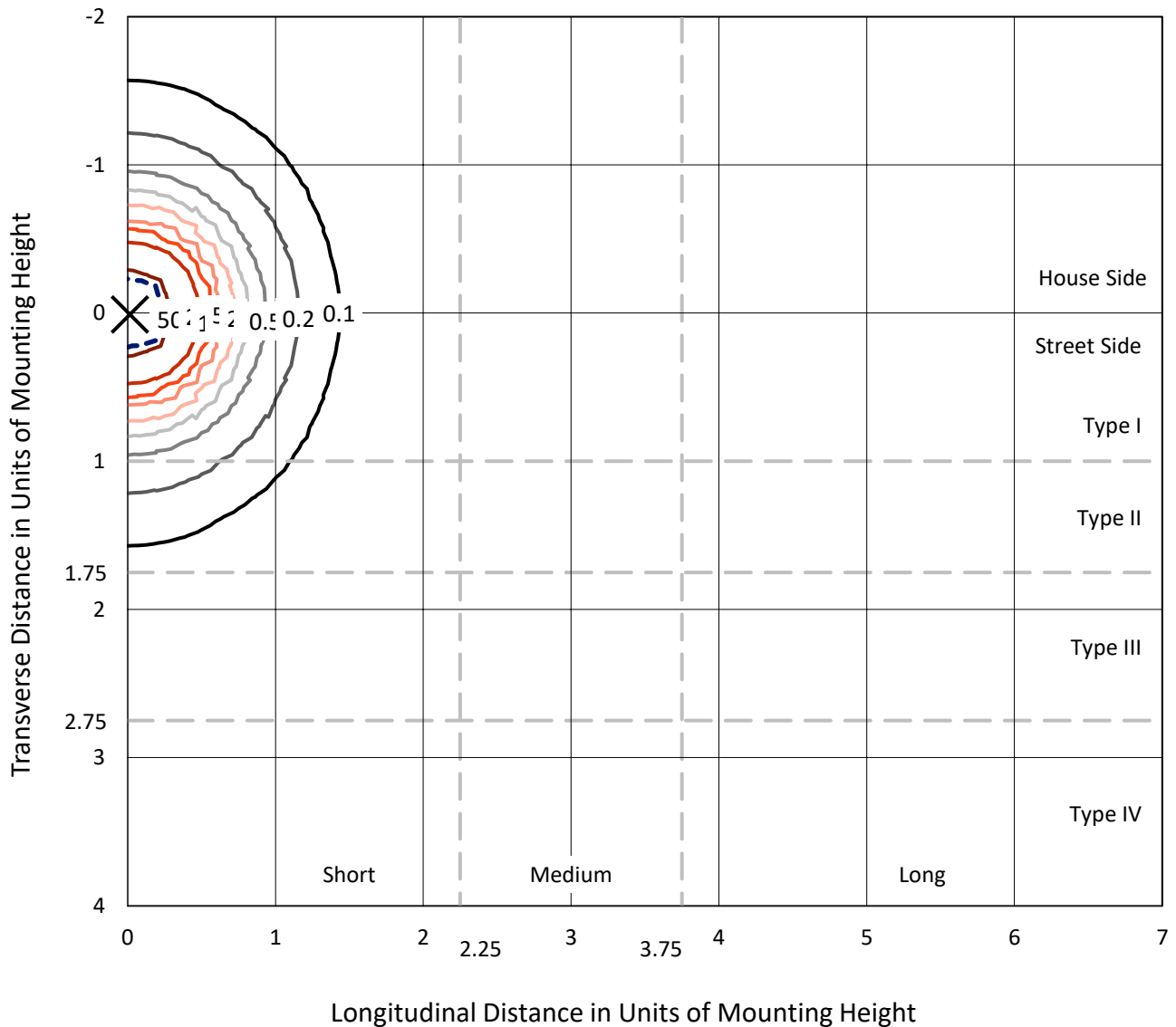
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

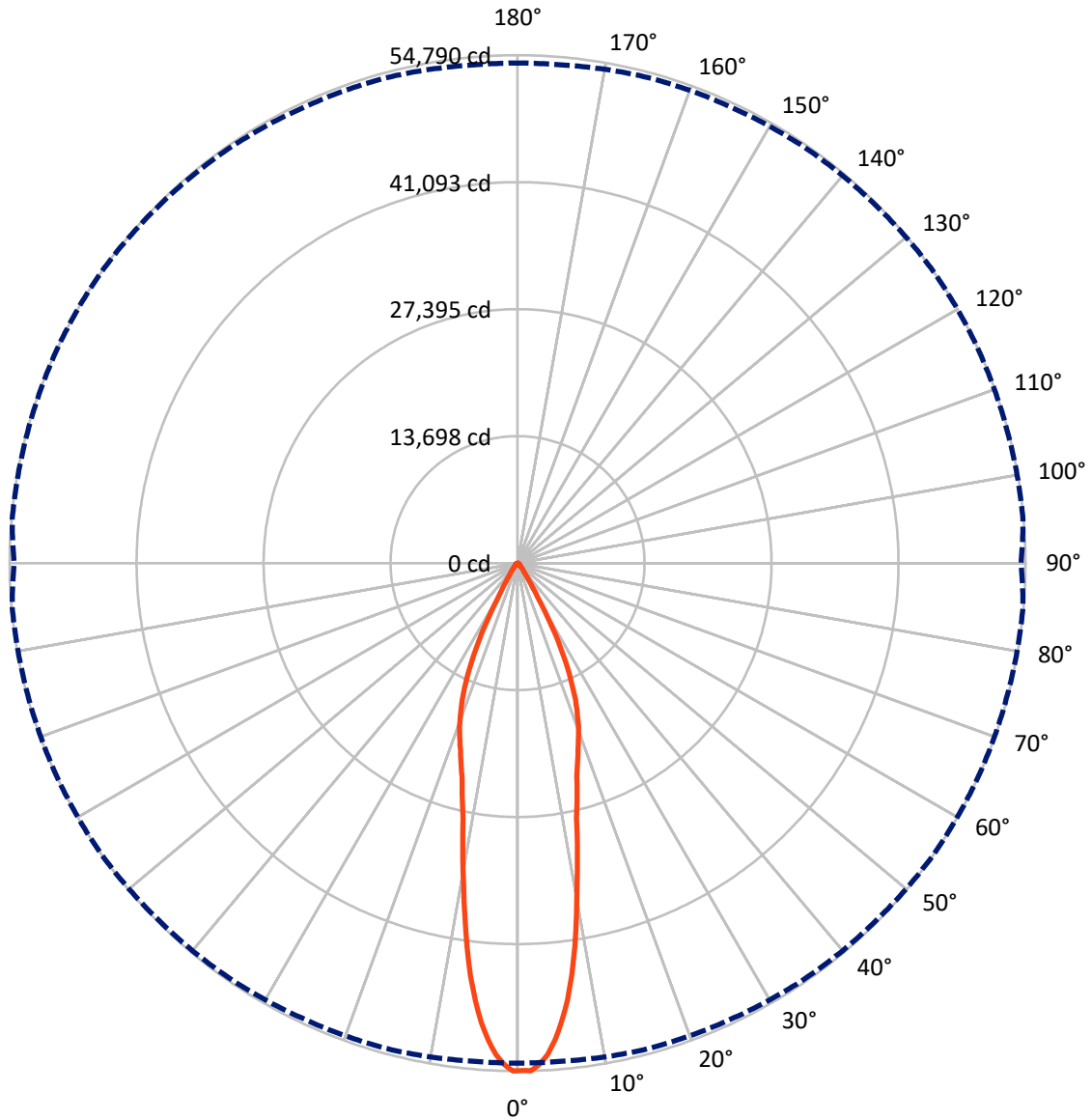
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 136.8 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	9116.6	0.0	9116.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9116.6	0.0	9116.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18233.3	0.0	18233.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4164.0	22.8
10°-20°	6800.9	37.3
20°-30°	5314.4	29.1
30°-40°	1158.4	6.4
40°-50°	343.0	1.9
50°-60°	214.5	1.2
60°-70°	150.0	0.8
70°-80°	64.4	0.4
80°-90°	23.8	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°	18233.3	100.0
0°-180°	18233.3	100.0



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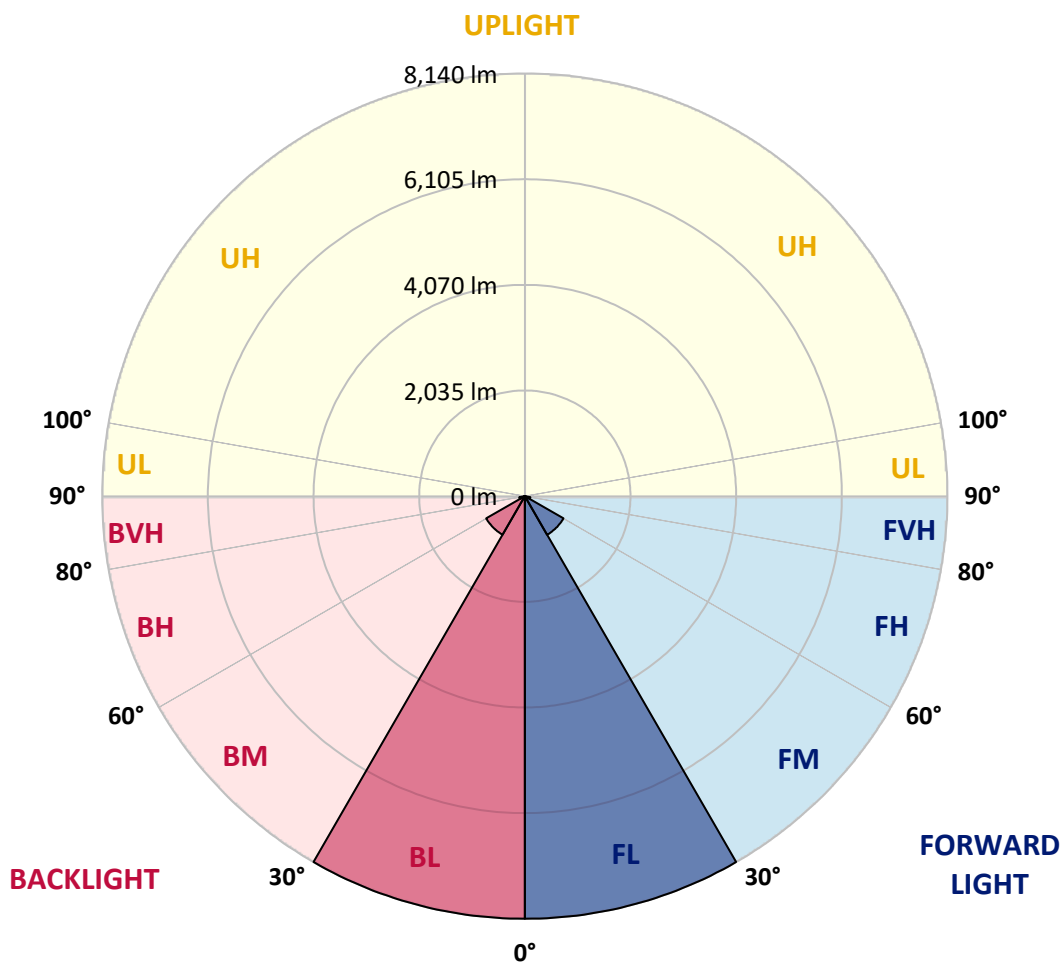
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8139.6	44.6			
FM (30°-60°)	857.9	4.7			
FH (60°-80°)	107.2	0.6			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	8139.6	44.6	B5		
BM (30°-60°)	857.9	4.7	B1/1000		
BH (60°-80°)	107.2	0.6	B0/110		G0/660
BVH (80°-90°)	11.9	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°	54727.3	54727.3	54727.3	54727.3	54727.3	54727.3	54727.3	54727.3	54727.3	54727.3
1°	53935.2	53941.8	54235.5	54301.5	54502.9	54605.2	54790.1	54770.3	54714.1	54720.7
2°	52941.6	52898.7	53172.7	53476.3	53717.3	53915.4	54136.5	54182.7	54129.9	54179.4
3°	51307.7	51245.0	51627.9	52007.5	52426.7	52766.7	53100.1	53113.3	53050.5	53047.2
4°	49158.9	49043.4	49498.9	50175.5	50703.7	51155.9	51571.8	51565.2	51479.4	51548.7
5°	46561.2	46415.9	47006.8	47898.0	48680.3	49224.9	49683.7	49574.8	49376.7	49386.6
6°	43372.6	43514.5	44237.4	45488.4	46412.6	46864.8	47429.3	47224.6	46881.3	46845.0
7°	40375.4	40695.6	41273.3	42781.7	43880.9	44356.2	44834.8	44422.2	43956.8	43880.9
8°	37219.9	37754.6	38553.4	39943.0	41114.8	41593.4	41775.0	41332.7	40834.3	40814.5
9°	34661.8	35028.1	35714.7	36939.3	38130.9	38451.1	38490.7	38104.5	37606.1	37639.1
10°	32334.7	32404.0	32998.1	34051.1	35005.0	35232.8	35222.9	34942.3	34533.0	34641.9
12.5°	27126.0	27314.2	27485.8	27822.5	28142.7	28291.2	28235.1	28119.6	27895.1	27905.0
15°	23590.9	23587.6	23607.4	23762.5	23858.2	23874.7	23874.7	23729.5	23633.8	23775.7
17.5°	20471.6	20643.2	20950.2	21075.6	21201.1	21154.9	21069.0	21003.0	20940.3	21062.4
20°	18045.5	18121.4	18124.7	18207.2	18841.0	18874.0	18765.1	18576.9	18418.5	18388.8
22.5°	15315.7	15431.3	15480.8	15553.4	15619.4	16101.3	15972.6	15668.9	15480.8	15424.7
25°	11496.7	11457.1	11780.6	12374.7	12470.4	12529.9	12496.8	12338.4	12216.3	12239.4
27.5°	7945.0	8014.4	8001.2	8007.8	8638.2	8634.9	8625.0	8486.4	8450.1	8397.2
30°	4442.9	4409.9	4426.4	4383.5	4294.3	4403.3	4228.3	4376.9	4231.6	4277.8
32.5°	2627.4	2604.3	2581.2	2591.1	2525.1	2363.4	2294.1	2396.4	2363.4	2350.2
35°	1676.8	1686.7	1716.4	1713.1	1653.7	1561.3	1462.3	1554.7	1541.5	1501.9
37.5°	1069.5	1069.5	1079.4	1165.2	1115.7	1036.5	967.1	1006.7	1003.4	996.8
40°	759.2	759.2	772.4	795.5	769.1	729.5	689.9	689.9	696.5	676.7
42.5°	564.4	564.4	577.6	590.8	557.8	544.6	524.8	511.6	528.1	511.6
45°	442.3	439.0	442.3	435.7	415.9	415.9	399.4	379.6	399.4	389.5
47.5°	363.1	359.8	356.5	343.3	323.5	326.8	320.2	303.7	313.6	310.3
50°	316.9	310.3	313.6	300.4	283.9	280.6	280.6	264.1	267.4	267.4
52.5°	277.3	277.3	274.0	267.4	260.8	247.6	250.9	234.4	234.4	234.4
55°	260.8	260.8	254.2	241.0	244.3	234.4	224.5	214.6	211.3	211.3
57.5°	257.5	257.5	254.2	241.0	231.1	227.8	214.6	201.3	191.4	194.7
60°	250.9	250.9	244.3	241.0	224.5	217.9	198.0	188.1	174.9	174.9
62.5°	241.0	237.7	224.5	204.6	204.6	188.1	174.9	155.1	145.2	141.9
65°	204.6	201.3	191.4	174.9	165.0	155.1	135.3	115.5	108.9	99.0
67.5°	168.3	168.3	161.7	145.2	138.6	125.4	102.3	89.1	72.6	66.0
70°	138.6	138.6	132.0	122.1	115.5	99.0	79.2	66.0	49.5	42.9
72.5°	112.2	112.2	105.6	99.0	92.4	82.5	66.0	49.5	33.0	26.4
75°	89.1	89.1	85.8	79.2	72.6	66.0	52.8	39.6	23.1	13.2
77.5°	72.6	72.6	69.3	66.0	59.4	52.8	42.9	33.0	16.5	6.6
80°	56.1	56.1	56.1	56.1	49.5	42.9	36.3	26.4	13.2	3.3
82.5°	39.6	39.6	42.9	49.5	39.6	33.0	33.0	26.4	9.9	3.3
85°	26.4	29.7	33.0	29.7	26.4	26.4	46.2	42.9	9.9	3.3
87.5°	13.2	13.2	13.2	13.2	13.2	9.9	13.2	9.9	6.6	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°
54727.3
54314.7
53789.9
52760.1
51221.9
48904.7
46363.1
43521.1
40091.6
37147.3
34259.1
27578.2
23445.6
20781.9
18197.3
15223.3
12160.2
8205.8
4334.0
2317.2
1459.0
983.6
670.1
508.3
389.5
310.3
270.7
234.4
208.0
194.7
165.0
135.3
95.7
62.7
39.6
23.1
9.9
6.6
3.3
3.3
3.3
0.0
0.0

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