

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: P636362

Luminaire Tested: **IFLD-S-SA2C-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636362
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9602 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

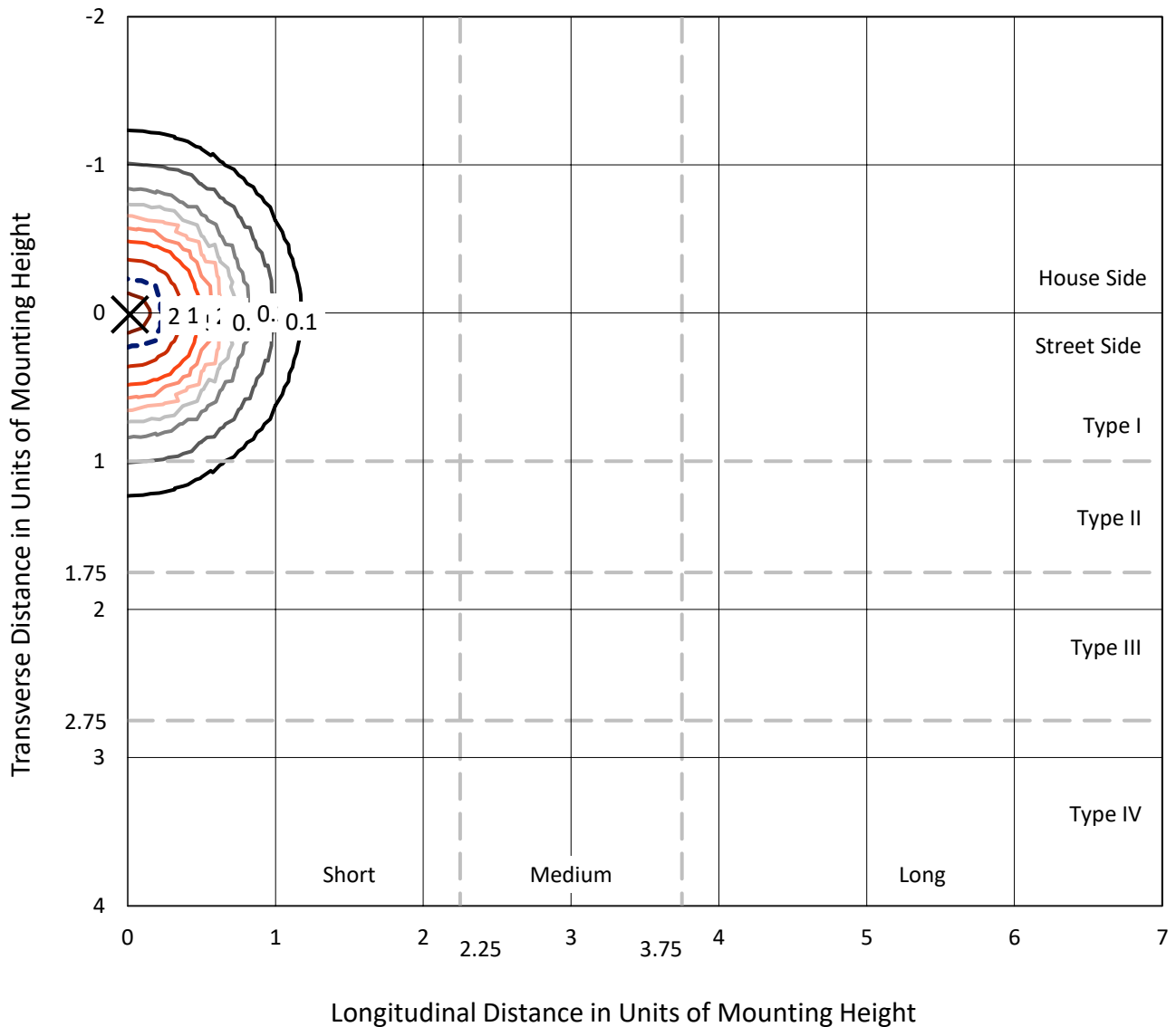
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

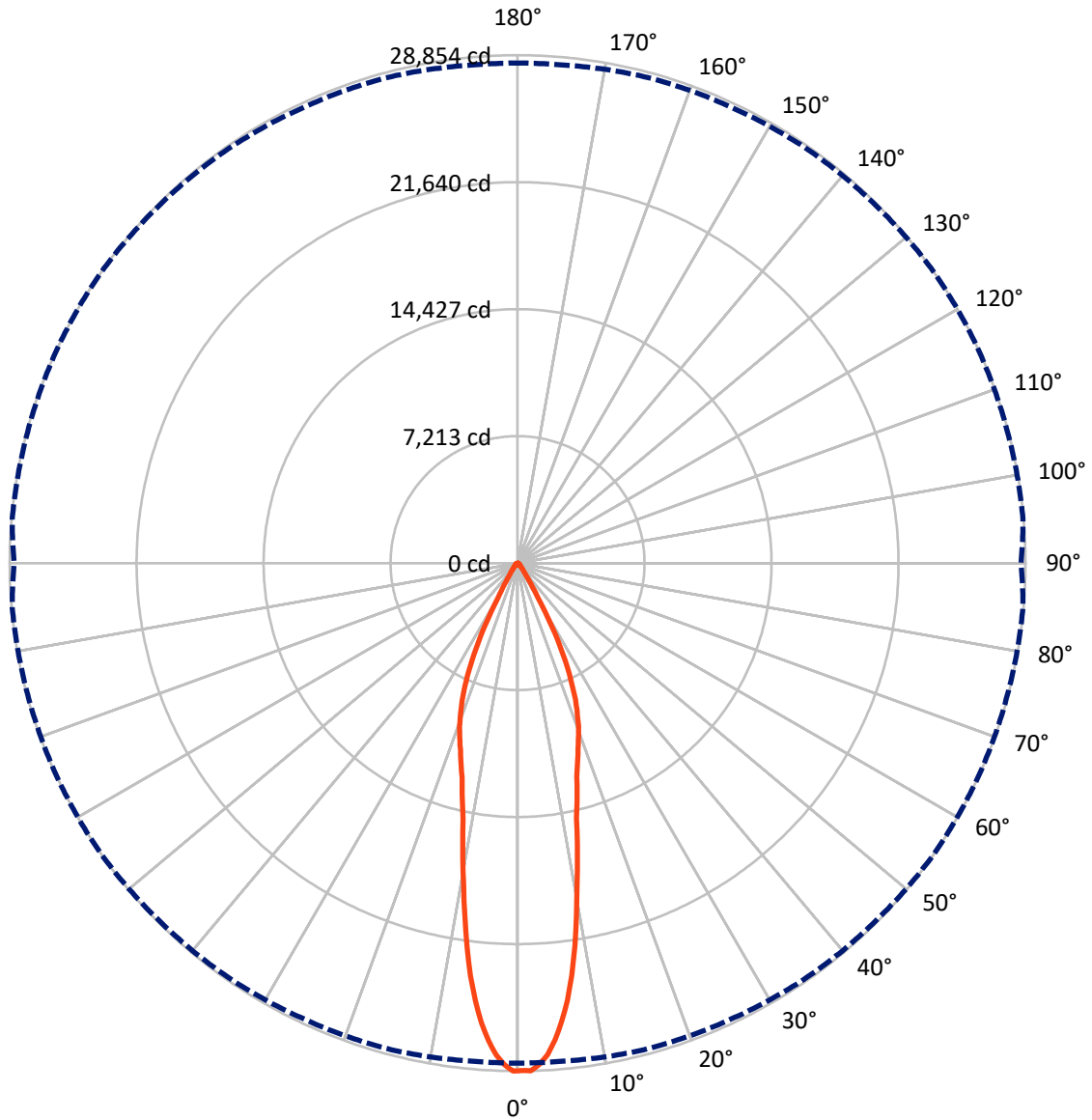
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 72.1 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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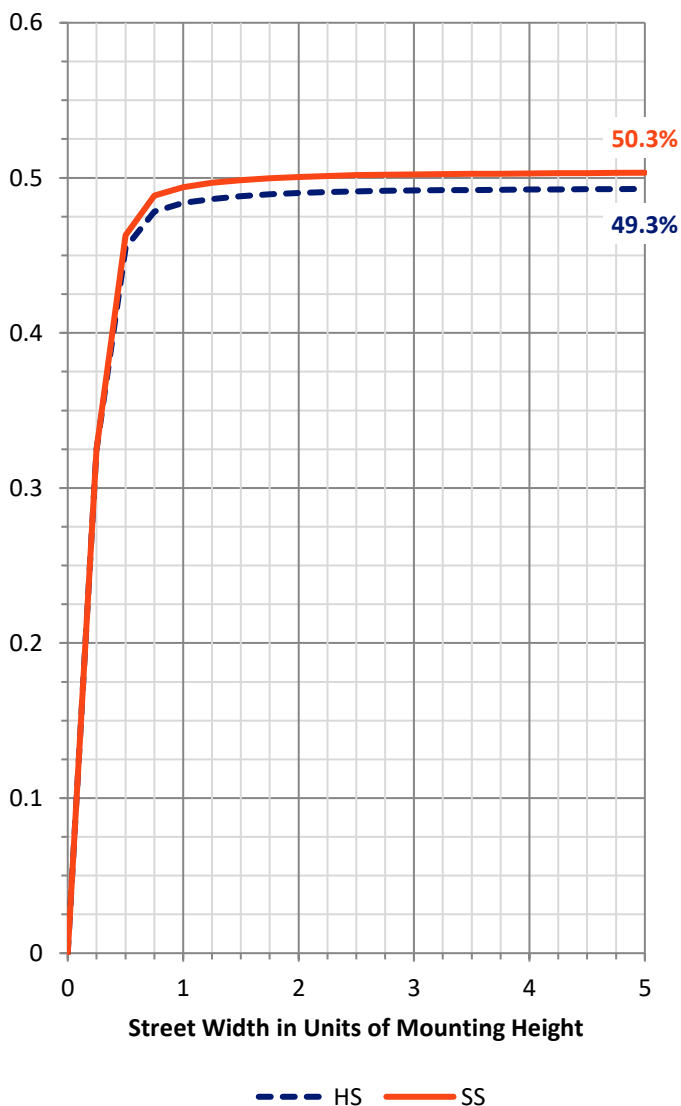
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4801.0	0.0	4801.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4801.0	0.0	4801.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9602.0	0.0	9602.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2192.8	22.8
10°-20°	3581.5	37.3
20°-30°	2798.7	29.1
30°-40°	610.0	6.4
40°-50°	180.6	1.9
50°-60°	113.0	1.2
60°-70°	79.0	0.8
70°-80°	33.9	0.4
80°-90°	12.5	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°	9602.0	100.0
0°-180°	9602.0	100.0



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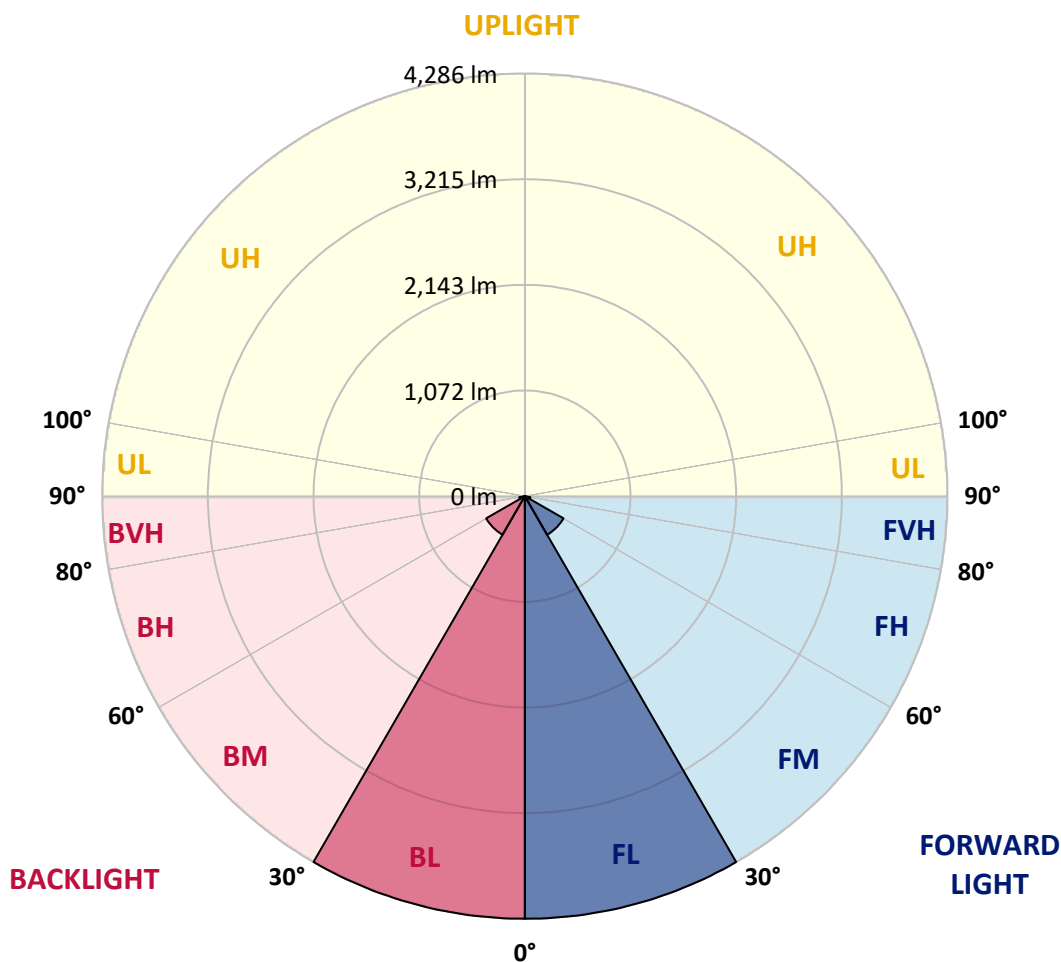
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4286.5	44.6			
FM (30°-60°)	451.8	4.7			
FH (60°-80°)	56.5	0.6			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	4286.5	44.6	B4/5000		
BM (30°-60°)	451.8	4.7	B1/1000		
BH (60°-80°)	56.5	0.6	B0/110		G0/660
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	28820.4	28820.4	28820.4	28820.4	28820.4	28820.4	28820.4	28820.4	28820.4	28820.4
1°	28403.2	28406.7	28561.4	28596.2	28702.2	28756.1	28853.5	28843.0	28813.5	28817.0
2°	27880.0	27857.4	28001.7	28161.6	28288.5	28392.8	28509.3	28533.6	28505.8	28531.9
3°	27019.6	26986.6	27188.2	27388.1	27608.9	27787.9	27963.5	27970.4	27937.4	27935.7
4°	25888.0	25827.1	26067.0	26423.4	26701.5	26939.6	27158.7	27155.2	27110.0	27146.5
5°	24520.0	24443.5	24754.6	25224.0	25635.9	25922.7	26164.4	26107.0	26002.7	26007.9
6°	22840.8	22915.5	23296.2	23955.0	24441.7	24679.9	24977.1	24869.4	24688.6	24669.5
7°	21262.5	21431.1	21735.3	22529.7	23108.5	23358.8	23610.9	23393.6	23148.5	23108.5
8°	19600.7	19882.3	20302.9	21034.7	21651.8	21903.9	21999.5	21766.6	21504.1	21493.6
9°	18253.5	18446.5	18808.0	19452.9	20080.4	20249.0	20269.9	20066.5	19804.1	19821.4
10°	17028.0	17064.5	17377.4	17931.9	18434.3	18554.2	18549.0	18401.3	18185.7	18243.1
12.5°	14285.1	14384.1	14474.5	14651.8	14820.4	14898.7	14869.1	14808.3	14690.1	14695.3
15°	12423.4	12421.6	12432.1	12513.8	12564.2	12572.9	12572.9	12496.4	12446.0	12520.7
17.5°	10780.7	10871.1	11032.8	11098.8	11164.9	11140.5	11095.3	11060.6	11027.6	11091.9
20°	9503.1	9543.1	9544.8	9588.3	9922.0	9939.4	9882.0	9783.0	9699.5	9683.9
22.5°	8065.5	8126.4	8152.5	8190.7	8225.5	8479.3	8411.5	8251.5	8152.5	8122.9
25°	6054.4	6033.5	6203.9	6516.8	6567.2	6598.5	6581.1	6497.6	6433.3	6445.5
27.5°	4184.0	4220.5	4213.6	4217.0	4549.0	4547.3	4542.1	4469.1	4450.0	4422.1
30°	2339.7	2322.3	2331.0	2308.4	2261.5	2318.8	2226.7	2304.9	2228.5	2252.8
32.5°	1383.7	1371.5	1359.3	1364.5	1329.8	1244.6	1208.1	1262.0	1244.6	1237.6
35°	883.0	888.3	903.9	902.2	870.9	822.2	770.1	818.7	811.8	790.9
37.5°	563.2	563.2	568.4	613.6	587.5	545.8	509.3	530.2	528.4	525.0
40°	399.8	399.8	406.8	418.9	405.0	384.2	363.3	363.3	366.8	356.3
42.5°	297.2	297.2	304.2	311.1	293.8	286.8	276.4	269.4	278.1	269.4
45°	232.9	231.2	232.9	229.5	219.0	219.0	210.3	199.9	210.3	205.1
47.5°	191.2	189.5	187.7	180.8	170.3	172.1	168.6	159.9	165.1	163.4
50°	166.9	163.4	165.1	158.2	149.5	147.8	147.8	139.1	140.8	140.8
52.5°	146.0	146.0	144.3	140.8	137.3	130.4	132.1	123.4	123.4	123.4
55°	137.3	137.3	133.8	126.9	128.6	123.4	118.2	113.0	111.2	111.2
57.5°	135.6	135.6	133.8	126.9	121.7	119.9	113.0	106.0	100.8	102.6
60°	132.1	132.1	128.6	126.9	118.2	114.7	104.3	99.1	92.1	92.1
62.5°	126.9	125.2	118.2	107.8	107.8	99.1	92.1	81.7	76.5	74.7
65°	107.8	106.0	100.8	92.1	86.9	81.7	71.3	60.8	57.4	52.1
67.5°	88.7	88.7	85.2	76.5	73.0	66.1	53.9	46.9	38.2	34.8
70°	73.0	73.0	69.5	64.3	60.8	52.1	41.7	34.8	26.1	22.6
72.5°	59.1	59.1	55.6	52.1	48.7	43.5	34.8	26.1	17.4	13.9
75°	46.9	46.9	45.2	41.7	38.2	34.8	27.8	20.9	12.2	7.0
77.5°	38.2	38.2	36.5	34.8	31.3	27.8	22.6	17.4	8.7	3.5
80°	29.6	29.6	29.6	29.6	26.1	22.6	19.1	13.9	7.0	1.7
82.5°	20.9	20.9	22.6	26.1	20.9	17.4	17.4	13.9	5.2	1.7
85°	13.9	15.6	17.4	15.6	13.9	13.9	24.3	22.6	5.2	1.7
87.5°	7.0	7.0	7.0	7.0	7.0	5.2	7.0	5.2	3.5	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°
28820.4
28603.1
28326.8
27784.4
26974.4
25754.1
24415.7
22919.0
21113.0
19562.4
18041.5
14523.2
12346.9
10944.1
9583.1
8016.9
6403.8
4321.3
2282.3
1220.3
768.3
518.0
352.9
267.7
205.1
163.4
142.5
123.4
109.5
102.6
86.9
71.3
50.4
33.0
20.9
12.2
5.2
3.5
1.7
1.7
1.7
0.0
0.0

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