

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: P636237

Luminaire Tested: **IFLD-L-SA7C-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636237
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30655.1 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

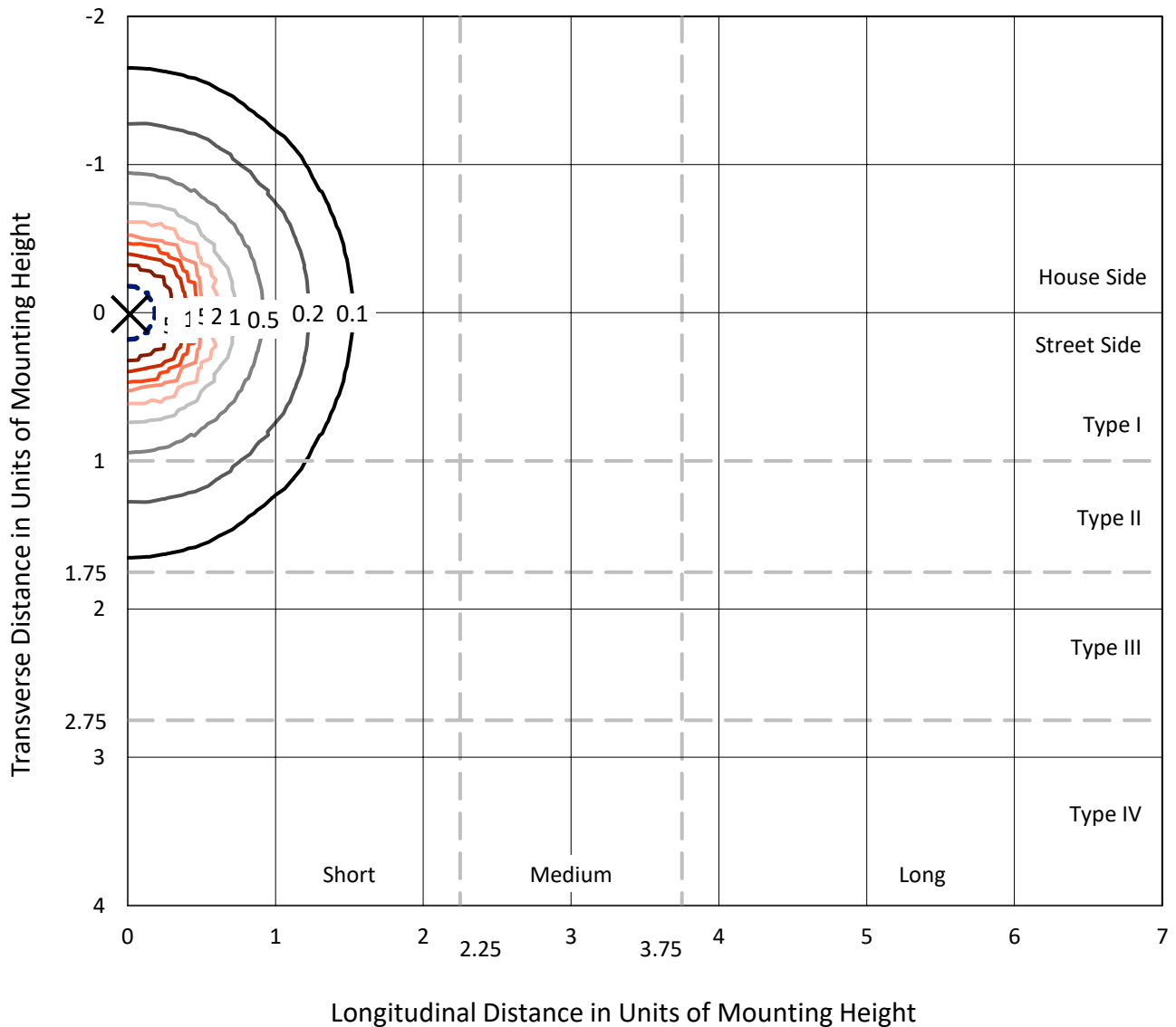
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

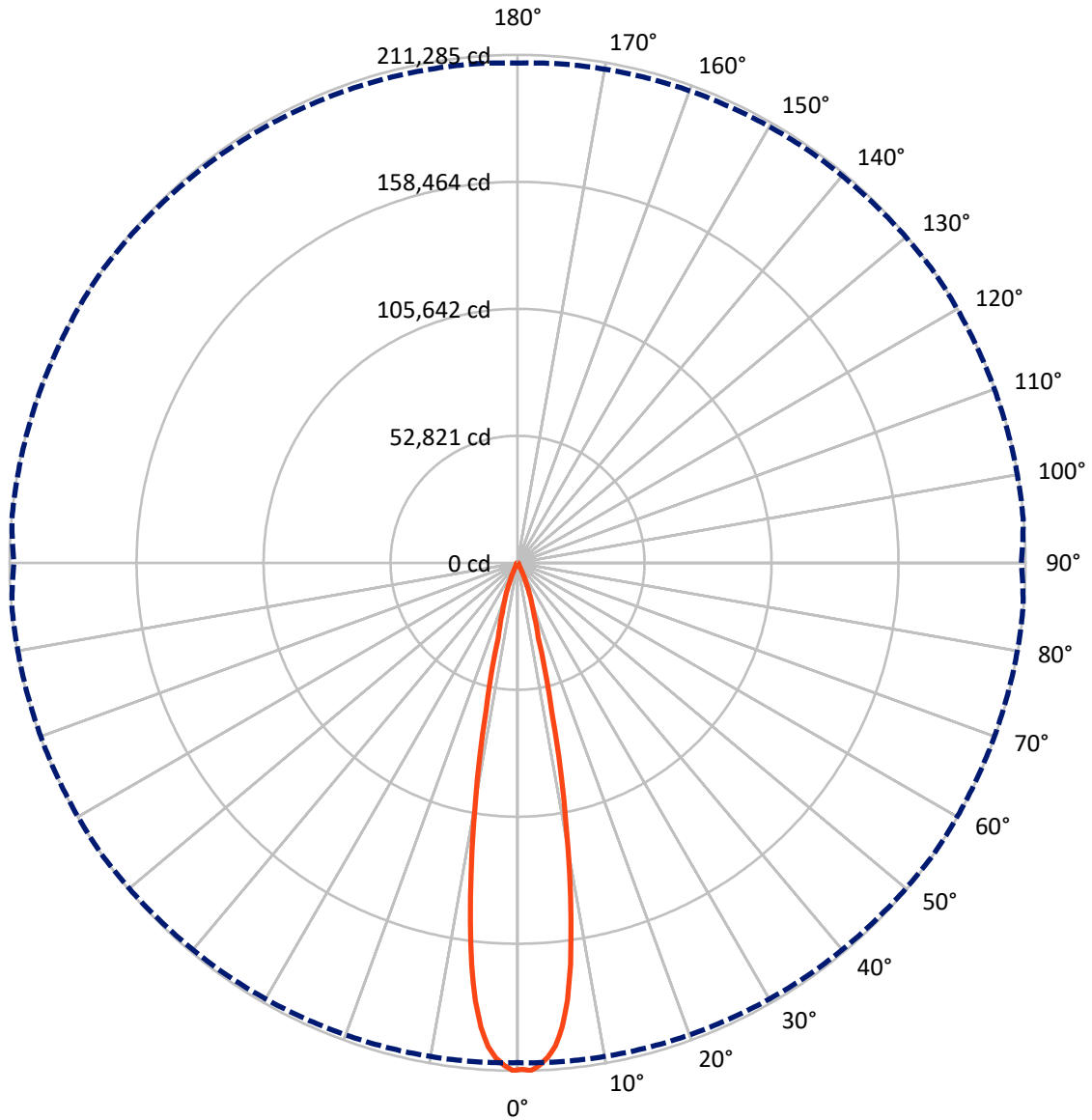
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 526.9 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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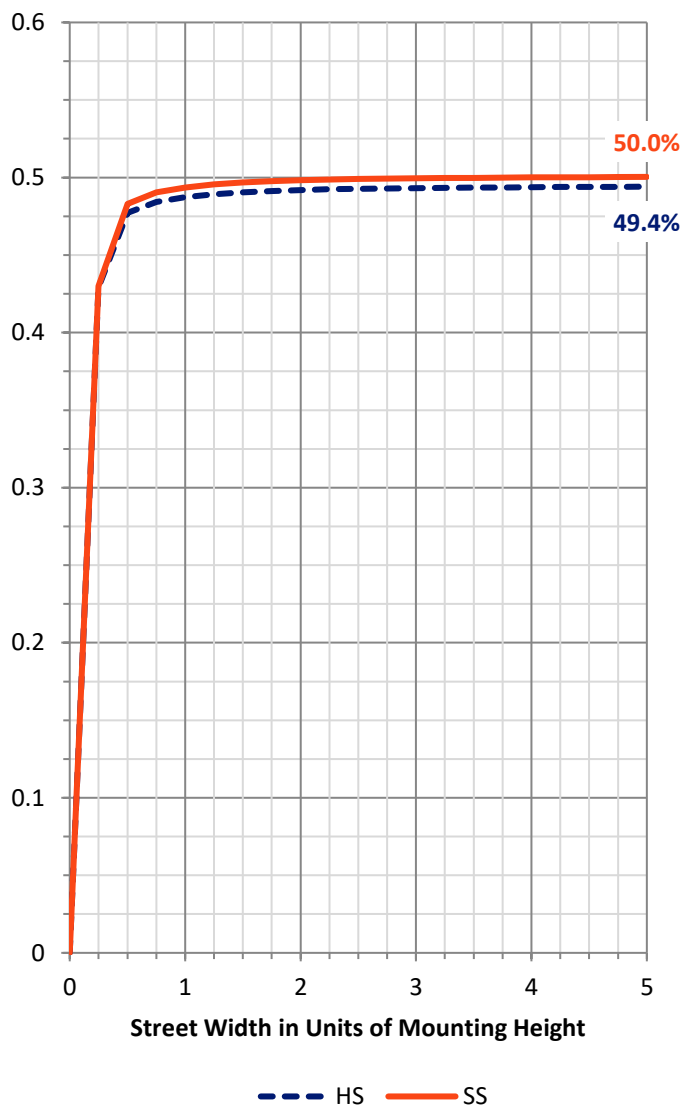
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15327.5	0.0	15327.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15327.5	0.0	15327.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30655.1	0.0	30655.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15575.1	50.8
10°-20°	11038.2	36.0
20°-30°	2586.5	8.4
30°-40°	540.6	1.8
40°-50°	348.7	1.1
50°-60°	258.3	0.8
60°-70°	175.6	0.6
70°-80°	93.7	0.3
80°-90°	38.4	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°	30655.1	100.0
0°-180°	30655.1	100.0

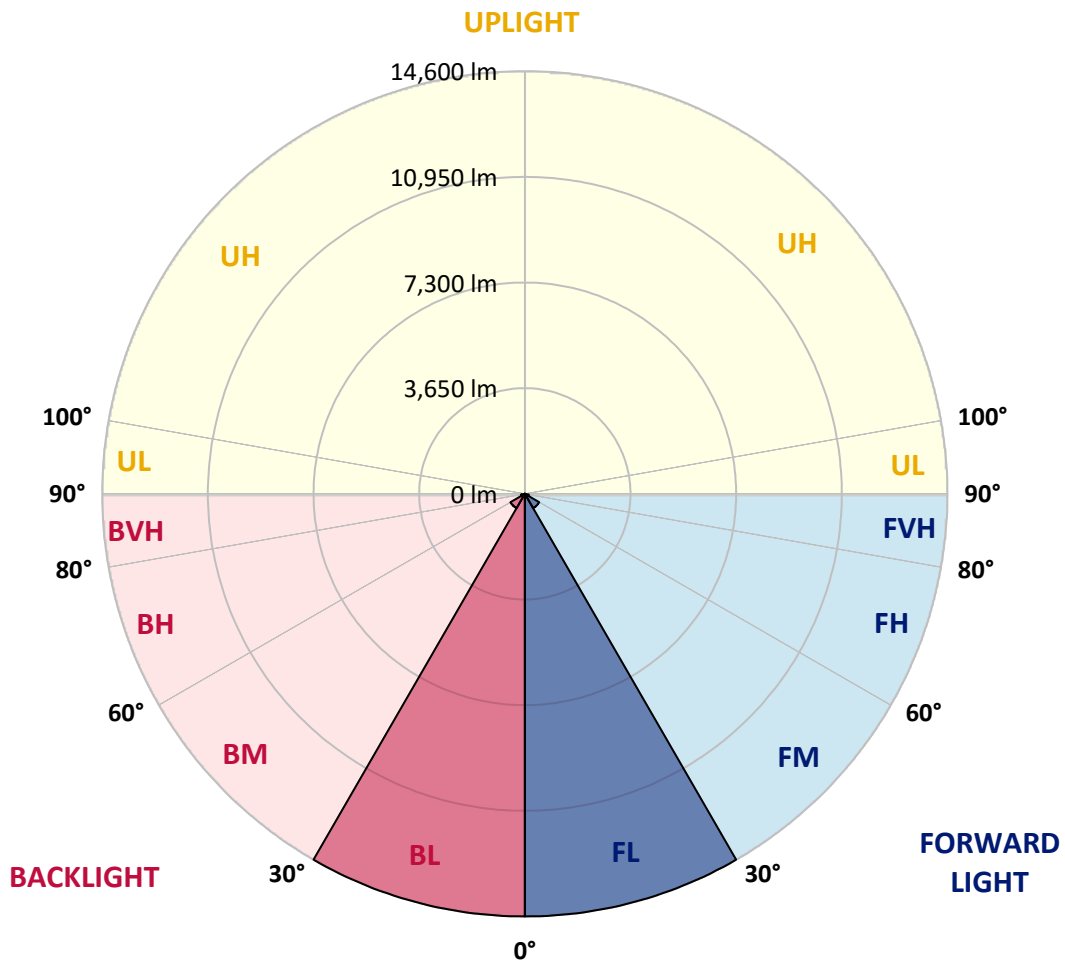


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14599.9	47.6			
FM (30°-60°)	573.8	1.9			
FH (60°-80°)	134.6	0.4			G0/660
FVH (80°-90°)	19.2	0.1			G1/100
BL (0°-30°)	14599.9	47.6	B5		
BM (30°-60°)	573.8	1.9	B1/1000		
BH (60°-80°)	134.6	0.4	B1/500		G0/660
BVH (80°-90°)	19.2	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°	210742.7	210742.7	210742.7	210742.7	210742.7	210742.7	210742.7	210742.7	210742.7	210742.7
1°	207907.4	208292.3	208763.9	209192.2	209837.4	210363.2	211284.9	211089.7	211062.6	211100.5
2°	203879.3	204361.8	205088.3	205516.6	207180.9	207864.0	209257.3	209669.3	209338.6	209712.7
3°	197845.4	198241.2	199379.6	200220.0	202377.6	204220.9	206085.8	206703.8	206318.9	206492.4
4°	190662.2	191068.8	192445.8	194158.9	197276.2	199320.0	201553.6	202106.6	200848.8	200935.6
5°	182112.8	182302.5	183988.5	185549.9	189279.7	191757.3	193877.0	194050.5	192901.2	192462.1
6°	172495.4	172153.8	173704.3	174365.7	179000.9	181527.3	183077.8	182877.2	182004.3	181630.3
7°	161067.2	160601.0	161853.3	161495.5	165599.4	167041.5	168532.4	167849.3	167155.4	168017.4
8°	147844.6	147584.4	146776.6	148240.4	149053.6	150343.9	150338.4	149942.7	149921.0	151357.7
9°	128620.7	131022.3	130312.1	131846.3	131640.3	131580.7	131184.9	130930.1	129845.9	131499.4
10°	107510.1	109082.3	110280.4	112568.2	112123.6	112752.5	110551.4	110925.5	110204.5	111570.6
12.5°	55649.8	57417.1	58452.6	60198.3	62117.4	64079.9	63445.6	62789.7	61808.4	63011.9
15°	27393.9	28093.2	28423.9	30196.7	31562.9	32056.2	32132.1	31552.0	31302.7	31562.9
17.5°	16811.5	17055.5	18015.0	20053.4	21235.3	21528.0	21338.3	20704.0	19993.8	19695.6
20°	12170.8	12241.3	12604.6	13000.3	14577.9	15402.0	15098.4	14474.9	13818.9	13509.9
22.5°	7947.6	8018.1	8137.4	8354.2	8777.1	9796.3	9465.6	9042.8	8598.2	8506.0
25°	4499.7	4499.7	4624.4	4846.7	5161.1	5237.0	5302.0	4852.1	4646.1	4553.9
27.5°	2510.1	2526.3	2553.4	2640.2	2797.4	2781.1	2710.7	2591.4	2450.4	2304.1
30°	1387.9	1404.1	1420.4	1442.1	1469.2	1420.4	1377.0	1355.3	1295.7	1279.4
32.5°	1040.9	1040.9	1051.7	1046.3	1019.2	959.6	932.5	965.0	959.6	932.5
35°	856.6	856.6	867.4	889.1	834.9	791.5	769.8	813.2	813.2	796.9
37.5°	699.3	704.8	710.2	737.3	721.0	672.2	666.8	677.7	683.1	677.7
40°	612.6	607.2	607.2	612.6	601.8	590.9	580.1	574.7	580.1	574.7
42.5°	531.3	525.9	536.7	525.9	504.2	509.6	509.6	493.3	498.8	487.9
45°	466.2	460.8	466.2	455.4	439.1	444.5	444.5	422.9	422.9	417.4
47.5°	412.0	412.0	412.0	417.4	390.3	384.9	390.3	384.9	368.6	363.2
50°	357.8	363.2	368.6	379.5	352.4	341.5	341.5	341.5	330.7	325.3
52.5°	330.7	336.1	336.1	336.1	319.9	309.0	309.0	303.6	298.2	292.8
55°	319.9	319.9	319.9	298.2	292.8	287.3	271.1	265.6	260.2	260.2
57.5°	303.6	303.6	298.2	281.9	265.6	265.6	244.0	238.5	233.1	233.1
60°	271.1	271.1	271.1	265.6	244.0	238.5	216.9	206.0	200.6	200.6
62.5°	249.4	249.4	249.4	227.7	222.3	206.0	189.7	173.5	168.1	157.2
65°	227.7	227.7	227.7	206.0	195.2	178.9	157.2	141.0	130.1	113.8
67.5°	211.4	211.4	206.0	189.7	173.5	151.8	130.1	113.8	92.2	81.3
70°	184.3	184.3	178.9	168.1	151.8	135.5	108.4	86.7	70.5	54.2
72.5°	157.2	157.2	151.8	141.0	130.1	113.8	92.2	75.9	48.8	37.9
75°	130.1	130.1	124.7	113.8	108.4	97.6	81.3	59.6	37.9	16.3
77.5°	108.4	108.4	103.0	97.6	92.2	81.3	70.5	48.8	27.1	10.8
80°	81.3	86.7	86.7	86.7	75.9	70.5	65.1	48.8	21.7	5.4
82.5°	59.6	65.1	65.1	65.1	59.6	54.2	59.6	43.4	21.7	5.4
85°	43.4	43.4	48.8	48.8	48.8	48.8	65.1	48.8	16.3	5.4
87.5°	21.7	21.7	21.7	21.7	21.7	27.1	32.5	27.1	10.8	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°

210742.7
209588.0
208292.3
205191.3
199645.3
191545.9
180790.0
167751.7
147373.0
128414.7
108068.5
59753.7
30348.5
19278.2
13271.4
8316.3
4478.0
2309.5
1279.4
916.2
791.5
677.7
580.1
493.3
417.4
363.2
319.9
287.3
254.8
233.1
195.2
146.4
113.8
75.9
54.2
32.5
16.3
5.4
5.4
5.4
5.4
0.0
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