

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: P636004

Luminaire Tested: **IFLD-L-SA7B-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636004
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21423.7 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

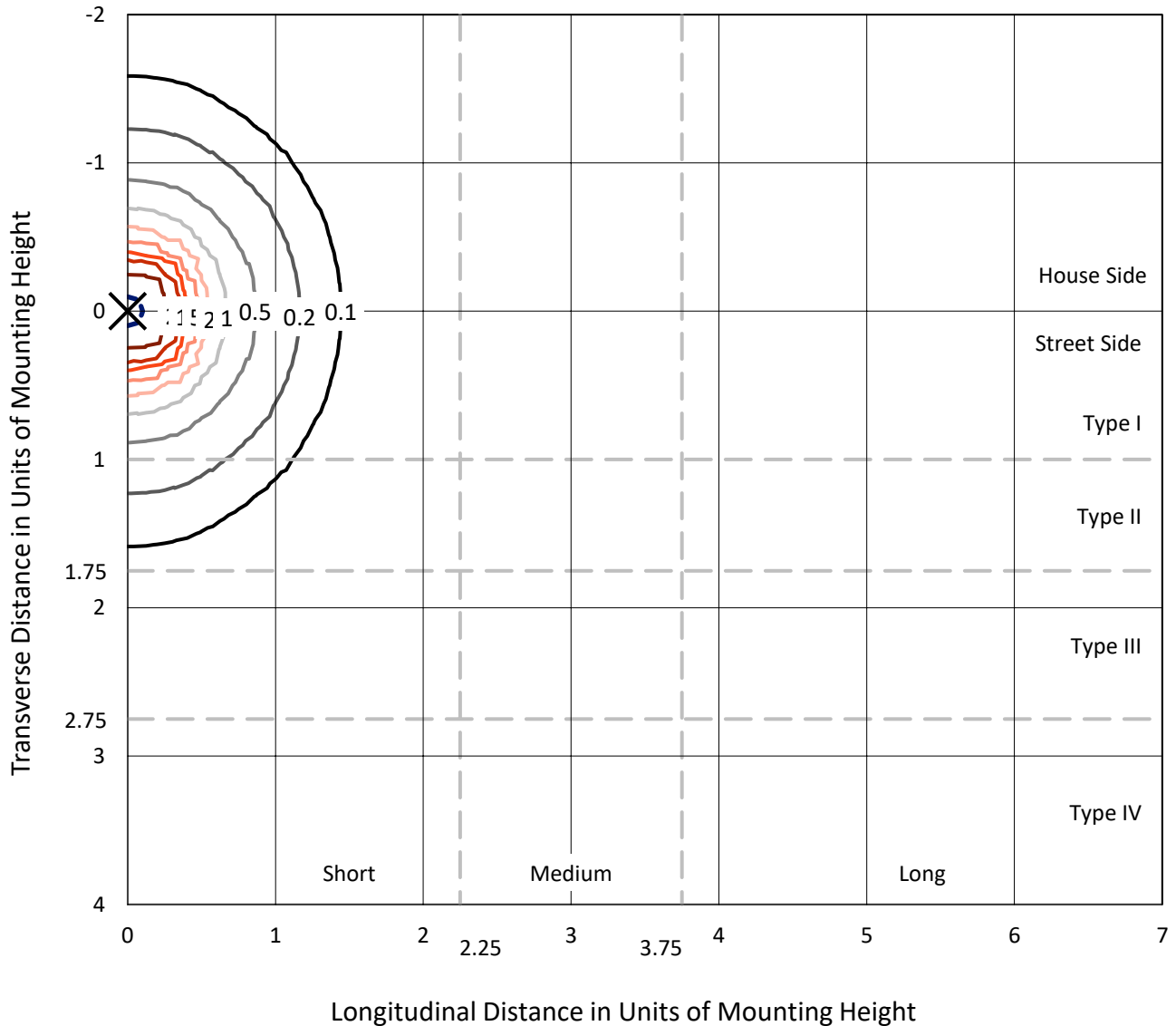
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

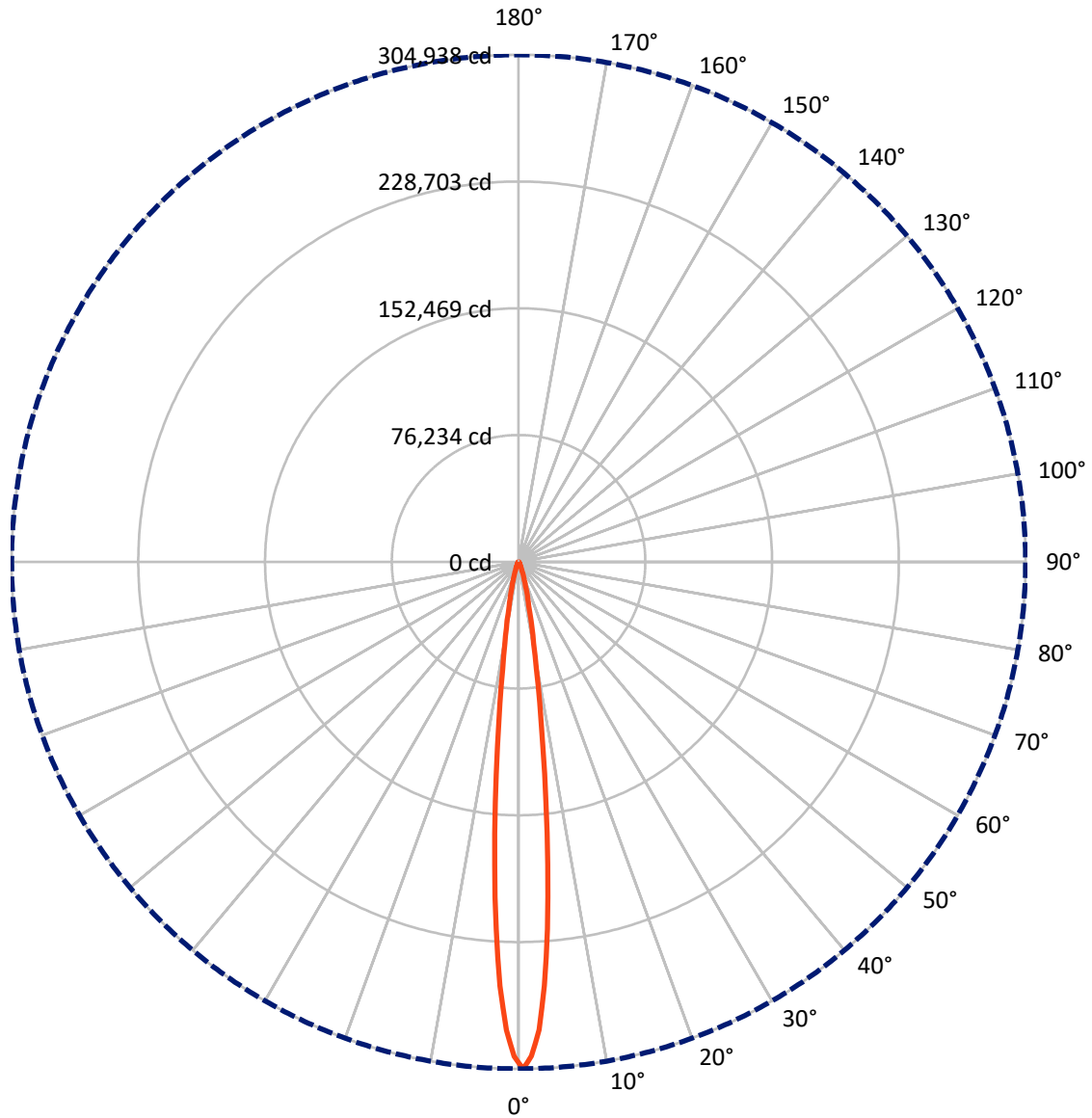
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 762.3 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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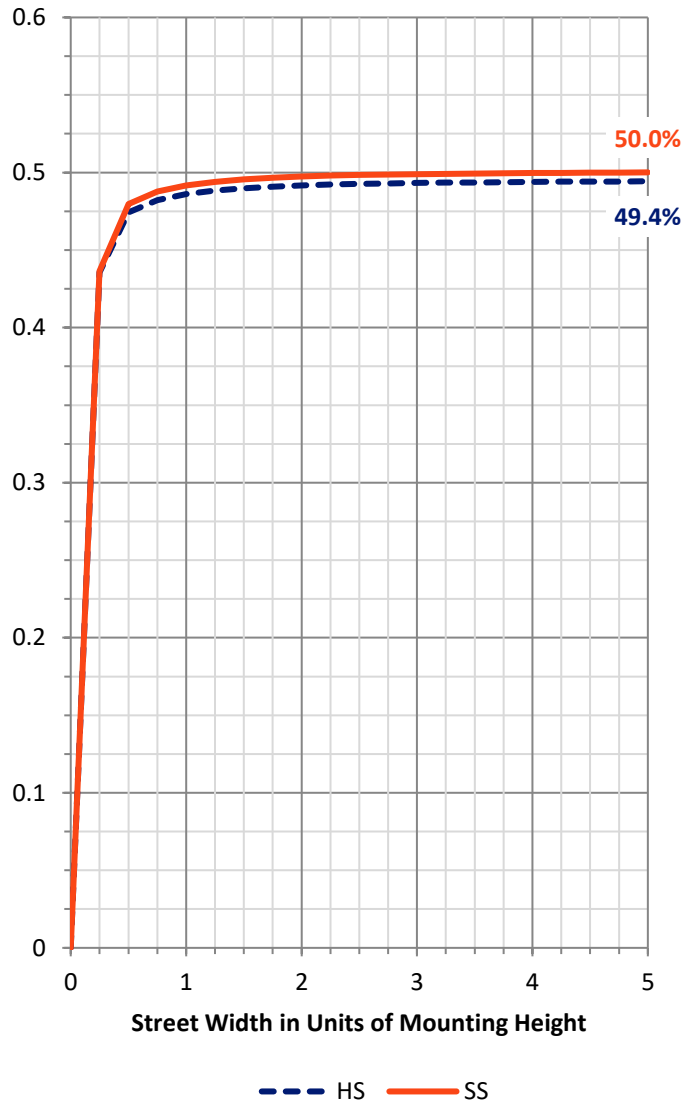
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10711.8	0.0	10711.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10711.8	0.0	10711.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21423.7	0.0	21423.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13059.4	61.0
10°-20°	5850.7	27.3
20°-30°	1306.6	6.1
30°-40°	426.5	2.0
40°-50°	294.1	1.4
50°-60°	222.2	1.0
60°-70°	152.1	0.7
70°-80°	80.1	0.4
80°-90°	32.0	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°	21423.7	100.0
0°-180°	21423.7	100.0

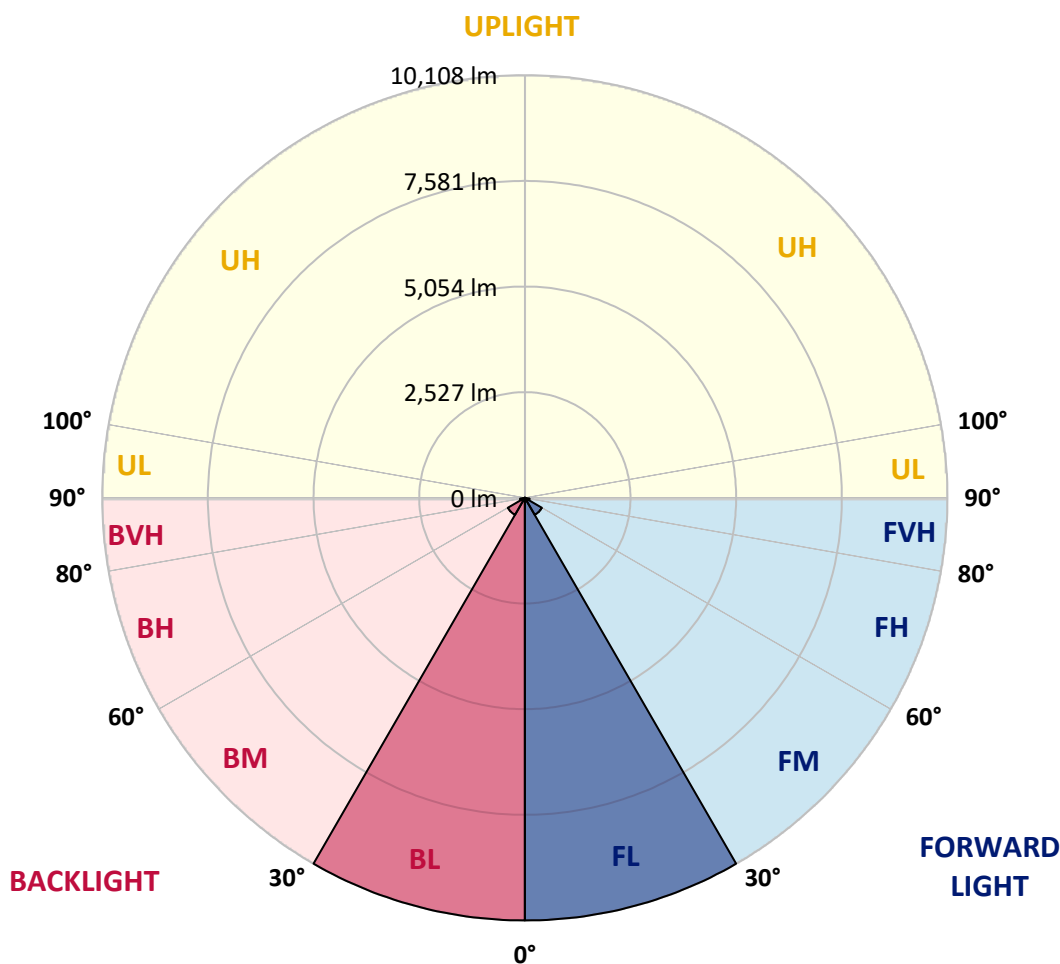


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10108.4	47.2			
FM (30°-60°)	471.4	2.2			
FH (60°-80°)	116.1	0.5			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	10108.4	47.2	B5		
BM (30°-60°)	471.4	2.2	B1/1000		
BH (60°-80°)	116.1	0.5	B1/500		G0/660
BVH (80°-90°)	16.0	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°	304937.6	304937.6	304937.6	304937.6	304937.6	304937.6	304937.6	304937.6	304937.6	304937.6
1°	297366.7	297771.2	297320.9	299595.2	300533.9	301022.4	301079.6	302361.8	301373.5	301648.2
2°	281694.5	282595.1	281087.8	282545.5	285460.9	286563.7	284766.4	286987.3	286193.5	286655.3
3°	255360.6	256463.4	254379.8	256161.9	259913.0	260752.5	257806.6	260962.4	260882.3	261546.2
4°	221417.5	223207.2	220230.8	222341.0	224001.0	226924.0	224069.6	227660.5	227591.8	228744.2
5°	182887.7	184822.4	182235.2	184425.6	185997.8	187085.3	186039.7	190012.2	190264.0	191454.6
6°	145186.0	146991.0	144102.3	146193.4	148685.3	149131.7	148860.8	152279.9	153039.3	152112.0
7°	111735.3	112185.6	111731.5	113631.8	115631.4	115703.9	116054.9	119061.9	119729.7	119409.2
8°	85573.0	83512.4	85283.0	86290.4	86908.6	89747.7	89957.6	91472.5	92701.2	92789.0
9°	65138.5	63230.5	65279.7	65680.4	67099.9	69622.3	69305.6	70961.7	71732.5	71682.9
10°	49661.0	48691.7	49718.2	50160.9	51328.5	53465.5	53835.6	54595.0	55167.4	55541.4
12.5°	26948.3	27173.5	27768.8	28234.3	29806.5	30375.1	30604.0	30668.9	30665.1	30726.1
15°	16740.6	16923.8	17339.7	18183.1	19140.9	19846.8	19946.0	19579.7	19263.0	19213.4
17.5°	10440.5	10368.0	11344.9	12268.3	13420.7	13787.1	13405.5	12985.7	12554.5	12306.5
20°	6265.8	6315.4	6647.4	7059.5	7990.6	8624.1	8227.2	7799.8	7353.4	7059.5
22.5°	3560.3	3613.7	3758.7	3972.4	4327.3	4903.5	4651.7	4220.5	3903.7	3774.0
25°	2102.6	2102.6	2190.4	2285.8	2434.6	2568.1	2514.7	2285.8	2098.8	2045.4
27.5°	1362.3	1350.9	1381.4	1427.2	1495.9	1503.5	1442.4	1373.7	1278.3	1244.0
30°	996.0	999.8	996.0	1015.0	1011.2	984.5	946.4	950.2	912.0	908.2
32.5°	809.0	812.8	812.8	809.0	789.9	747.9	721.2	747.9	740.3	732.7
35°	671.6	675.4	713.6	709.8	679.2	633.5	614.4	644.9	667.8	633.5
37.5°	580.0	583.8	614.4	629.6	591.5	560.9	538.1	564.8	599.1	560.9
40°	511.3	515.2	522.8	526.6	507.5	492.3	480.8	488.4	503.7	484.6
42.5°	450.3	446.5	450.3	446.5	423.6	431.2	423.6	412.1	423.6	408.3
45°	393.0	393.0	393.0	381.6	358.7	374.0	366.3	354.9	358.7	347.3
47.5°	358.7	358.7	358.7	343.4	324.4	324.4	328.2	309.1	312.9	309.1
50°	324.4	324.4	332.0	316.7	301.5	290.0	293.8	278.6	282.4	278.6
52.5°	297.6	297.6	297.6	290.0	278.6	270.9	263.3	255.7	251.9	248.0
55°	286.2	286.2	282.4	259.5	255.7	248.0	232.8	229.0	221.3	217.5
57.5°	267.1	267.1	263.3	244.2	229.0	229.0	206.1	202.2	190.8	190.8
60°	236.6	236.6	232.8	229.0	209.9	198.4	183.2	175.5	164.1	160.3
62.5°	225.1	225.1	217.5	198.4	194.6	175.5	160.3	145.0	137.4	129.7
65°	209.9	206.1	202.2	183.2	167.9	156.5	137.4	118.3	110.7	95.4
67.5°	187.0	187.0	183.2	167.9	152.6	133.6	114.5	99.2	80.1	68.7
70°	164.1	160.3	160.3	145.0	133.6	118.3	91.6	76.3	57.2	45.8
72.5°	137.4	137.4	133.6	122.1	114.5	103.0	80.1	61.1	38.2	30.5
75°	110.7	110.7	106.8	99.2	95.4	84.0	68.7	53.4	30.5	15.3
77.5°	91.6	87.8	87.8	80.1	76.3	68.7	57.2	42.0	22.9	11.4
80°	68.7	68.7	72.5	68.7	61.1	57.2	49.6	38.2	19.1	7.6
82.5°	49.6	49.6	53.4	53.4	53.4	49.6	49.6	38.2	19.1	3.8
85°	34.3	34.3	42.0	38.2	38.2	42.0	61.1	49.6	15.3	3.8
87.5°	19.1	19.1	19.1	15.3	15.3	19.1	22.9	19.1	7.6	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
304937.6
299629.6
285006.8
259764.2
226721.7
189180.3
152207.4
118970.3
91682.4
72850.6
55762.7
30775.8
19060.7
12268.3
7124.4
3789.3
2037.7
1244.0
904.4
717.4
625.8
557.1
477.0
408.3
347.3
309.1
278.6
248.0
213.7
190.8
152.6
125.9
91.6
68.7
45.8
26.7
15.3
7.6
3.8
3.8
3.8
3.8
0.0

OF REPORT)