

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: P636005

Luminaire Tested: **IFLD-L-SA7C-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636005
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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: 26668.8 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

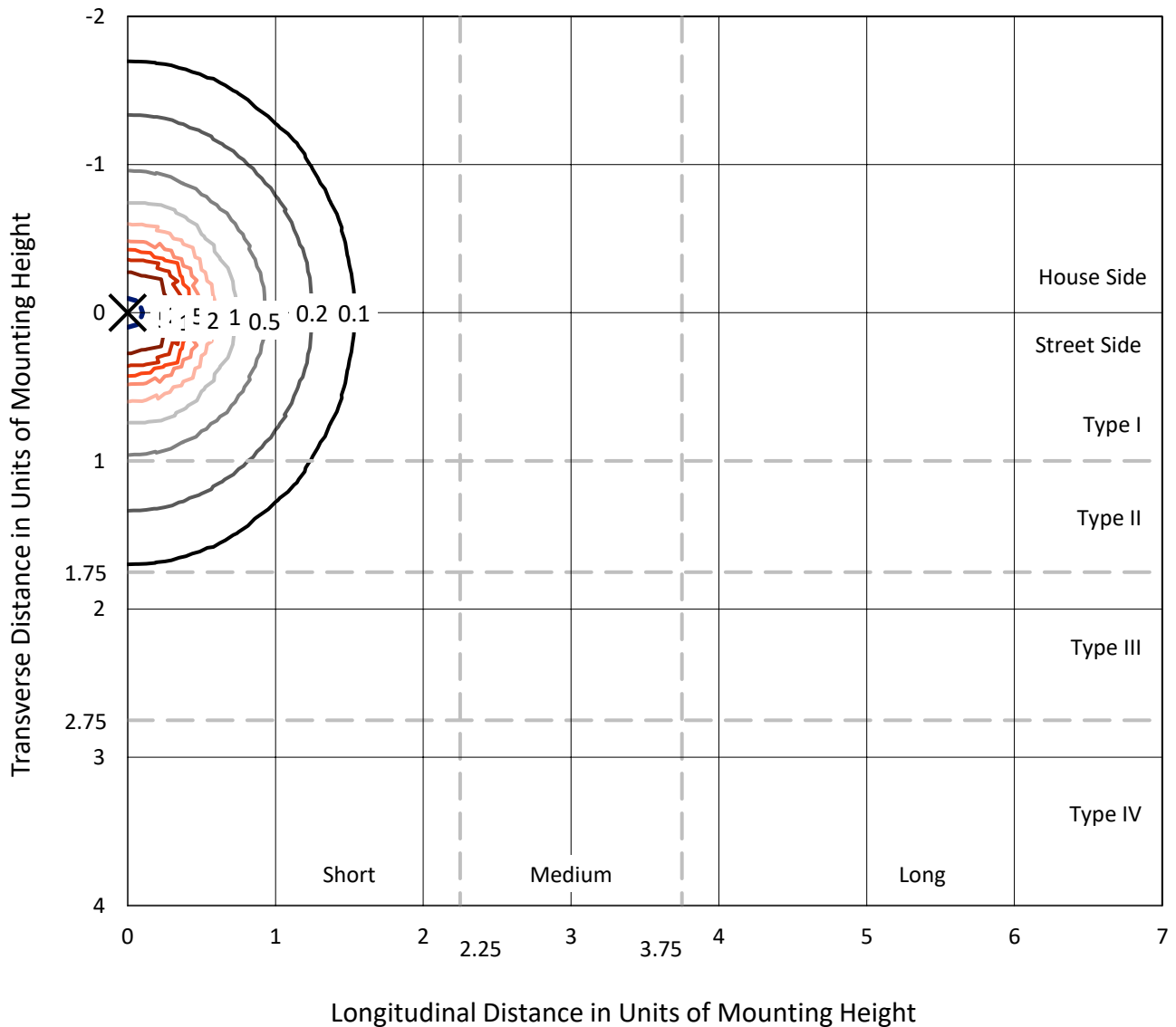
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

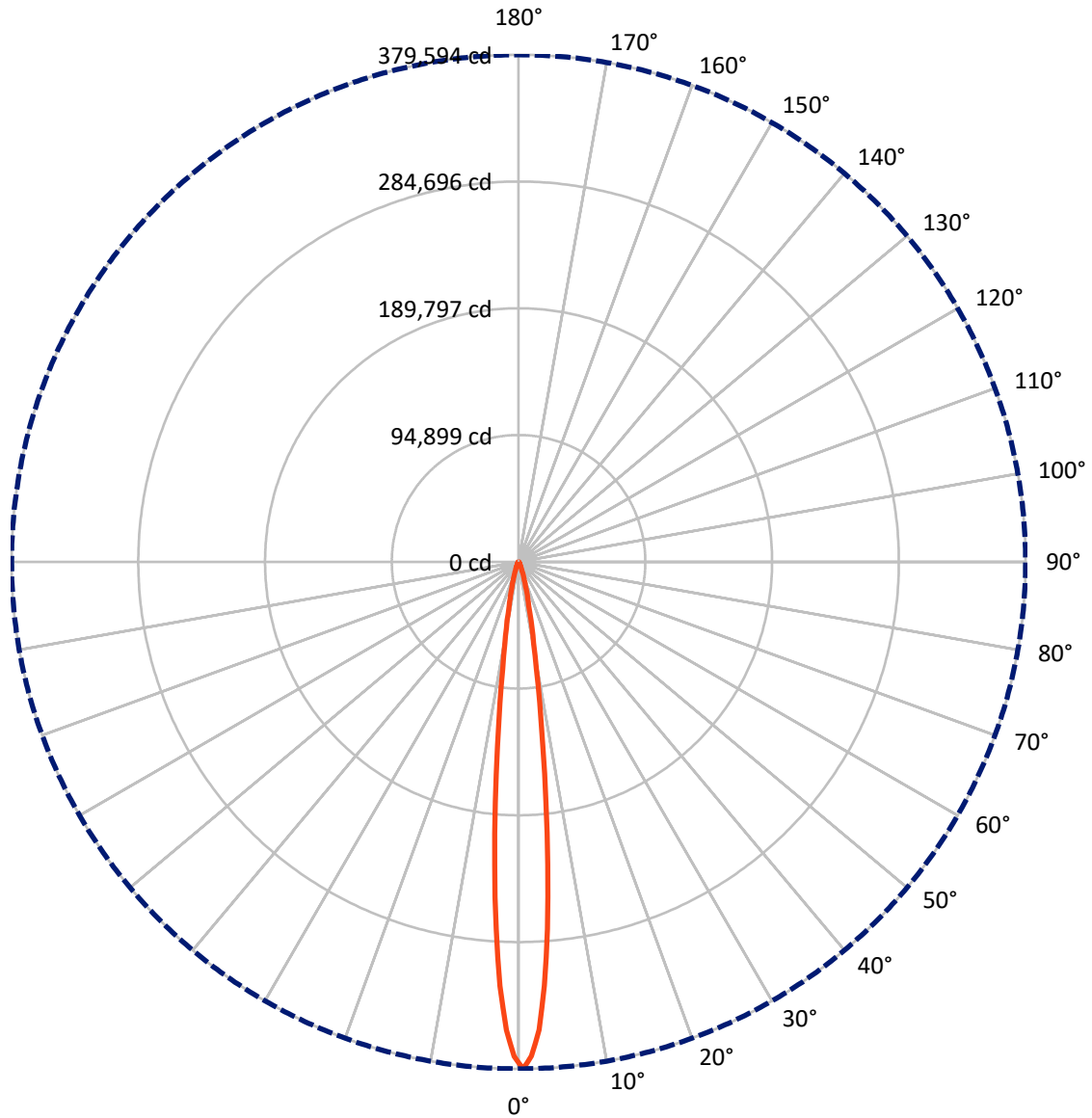
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 949 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	13334.4	0.0	13334.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13334.4	0.0	13334.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	26668.8	0.0	26668.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16256.7	61.0
10°-20°	7283.1	27.3
20°-30°	1626.5	6.1
30°-40°	530.9	2.0
40°-50°	366.1	1.4
50°-60°	276.6	1.0
60°-70°	189.3	0.7
70°-80°	99.7	0.4
80°-90°	39.8	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°	26668.8	100.0
0°-180°	26668.8	100.0

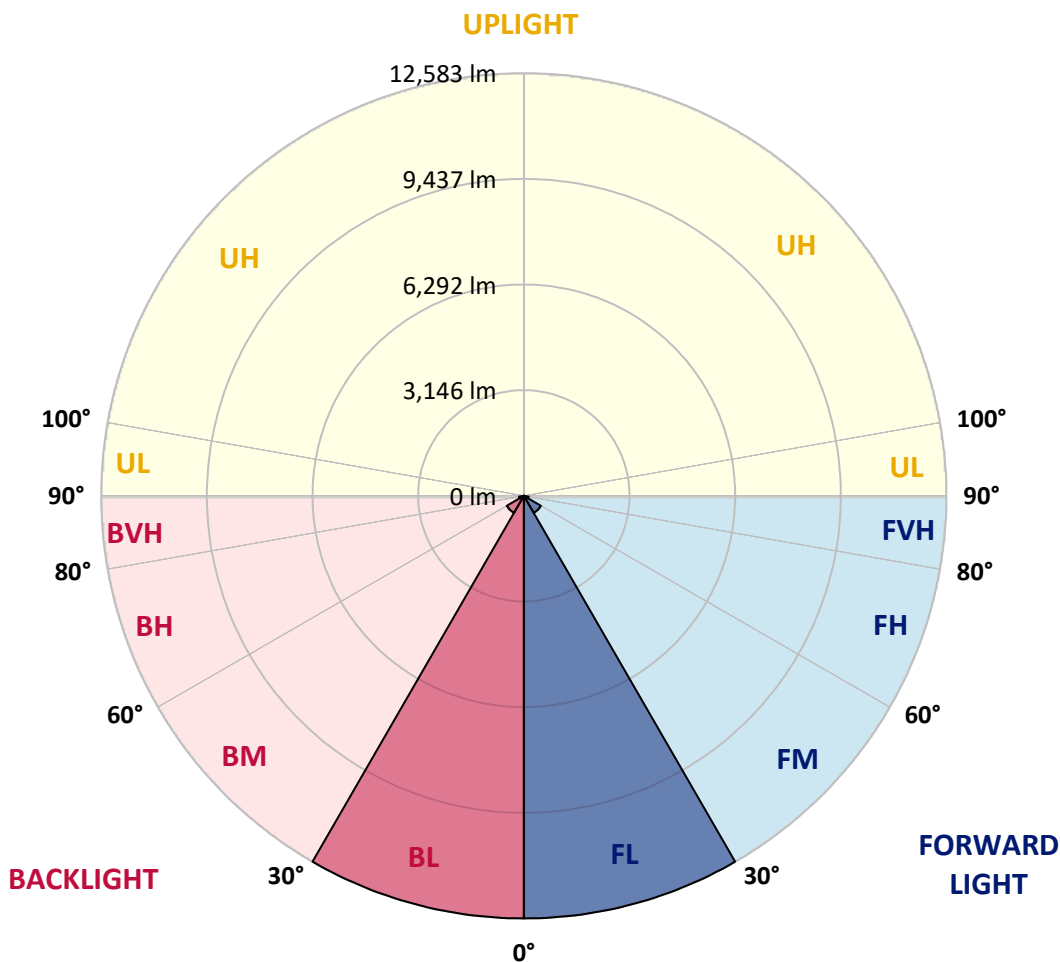


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12583.2	47.2			
FM (30°-60°)	586.8	2.2			
FH (60°-80°)	144.5	0.5			G0/660
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	12583.2	47.2	B5		
BM (30°-60°)	586.8	2.2	B1/1000		
BH (60°-80°)	144.5	0.5	B1/500		G0/660
BVH (80°-90°)	19.9	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°	379594.3	379594.3	379594.3	379594.3	379594.3	379594.3	379594.3	379594.3	379594.3	379594.3
1°	370169.9	370673.4	370112.9	372944.0	374112.6	374720.6	374791.9	376387.9	375157.6	375499.6
2°	350660.8	351781.8	349905.5	351720.1	355349.2	356722.0	354484.7	357249.3	356261.3	356836.0
3°	317879.5	319252.4	316658.7	318877.1	323546.6	324591.6	320924.4	324852.9	324753.1	325579.6
4°	275626.4	277854.2	274149.1	276775.9	278842.3	282481.0	278927.8	283397.7	283312.2	284746.8
5°	227663.5	230071.8	226851.2	229577.8	231534.9	232888.7	231587.2	236532.1	236845.7	238327.7
6°	180731.4	182978.2	179382.3	181985.4	185087.3	185643.1	185305.8	189562.0	190507.3	189353.0
7°	139091.0	139651.5	139086.3	141451.9	143941.0	144031.2	144468.2	148211.4	149042.7	148643.7
8°	106523.5	103958.4	106162.5	107416.6	108186.1	111720.3	111981.5	113867.4	115396.9	115506.2
9°	81086.1	78711.0	81261.9	81760.7	83527.8	86667.6	86273.4	88335.0	89294.5	89232.8
10°	61819.3	60612.7	61890.5	62441.6	63895.1	66555.2	67016.0	67961.3	68673.8	69139.4
12.5°	33546.0	33826.3	34567.3	35146.8	37103.9	37811.7	38096.7	38177.5	38172.7	38248.7
15°	20839.2	21067.2	21585.0	22634.8	23827.1	24705.9	24829.4	24373.3	23979.1	23917.3
17.5°	12996.6	12906.3	14122.4	15271.9	16706.5	17162.5	16687.5	16165.0	15628.2	15319.4
20°	7799.9	7861.6	8274.9	8787.9	9946.9	10735.5	10241.5	9709.4	9153.7	8787.9
22.5°	4431.9	4498.5	4679.0	4945.0	5386.7	6104.0	5790.5	5253.7	4859.5	4698.0
25°	2617.4	2617.4	2726.6	2845.4	3030.6	3196.9	3130.4	2845.4	2612.6	2546.1
27.5°	1695.8	1681.6	1719.6	1776.6	1862.1	1871.6	1795.6	1710.1	1591.3	1548.6
30°	1239.8	1244.6	1239.8	1263.6	1258.8	1225.6	1178.1	1182.8	1135.3	1130.6
32.5°	1007.0	1011.8	1011.8	1007.0	983.3	931.0	897.8	931.0	921.5	912.0
35°	836.0	840.8	888.3	883.5	845.5	788.5	764.8	802.8	831.3	788.5
37.5°	722.0	726.8	764.8	783.8	736.3	698.3	669.8	703.0	745.8	698.3
40°	636.5	641.3	650.8	655.5	631.8	612.8	598.5	608.0	627.0	603.3
42.5°	560.5	555.8	560.5	555.8	527.3	536.8	527.3	513.0	527.3	508.3
45°	489.3	489.3	489.3	475.0	446.5	465.5	456.0	441.8	446.5	432.3
47.5°	446.5	446.5	446.5	427.5	403.8	403.8	408.5	384.8	389.5	384.8
50°	403.8	403.8	413.3	394.3	375.3	361.0	365.8	346.8	351.5	346.8
52.5°	370.5	370.5	370.5	361.0	346.8	337.3	327.8	318.3	313.5	308.8
55°	356.3	356.3	351.5	323.0	318.3	308.8	289.8	285.0	275.5	270.8
57.5°	332.5	332.5	327.8	304.0	285.0	285.0	256.5	251.8	237.5	237.5
60°	294.5	294.5	289.8	285.0	261.3	247.0	228.0	218.5	204.3	199.5
62.5°	280.3	280.3	270.8	247.0	242.3	218.5	199.5	180.5	171.0	161.5
65°	261.3	256.5	251.8	228.0	209.0	194.8	171.0	147.3	137.8	118.8
67.5°	232.8	232.8	228.0	209.0	190.0	166.3	142.5	123.5	99.8	85.5
70°	204.3	199.5	199.5	180.5	166.3	147.3	114.0	95.0	71.3	57.0
72.5°	171.0	171.0	166.3	152.0	142.5	128.3	99.8	76.0	47.5	38.0
75°	137.8	137.8	133.0	123.5	118.8	104.5	85.5	66.5	38.0	19.0
77.5°	114.0	109.3	109.3	99.8	95.0	85.5	71.3	52.3	28.5	14.3
80°	85.5	85.5	90.3	85.5	76.0	71.3	61.8	47.5	23.8	9.5
82.5°	61.8	61.8	66.5	66.5	66.5	61.8	61.8	47.5	23.8	4.8
85°	42.8	42.8	52.3	47.5	47.5	52.3	76.0	61.8	19.0	4.8
87.5°	23.8	23.8	23.8	19.0	19.0	23.8	28.5	23.8	9.5	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
379594.3
372986.8
354784.0
323361.3
282229.2
235496.6
189471.8
148097.4
114128.6
90686.3
69414.9
38310.5
23727.3
15271.9
8868.6
4717.0
2536.6
1548.6
1125.8
893.0
779.0
693.5
593.8
508.3
432.3
384.8
346.8
308.8
266.0
237.5
190.0
156.8
114.0
85.5
57.0
33.3
19.0
9.5
4.8
4.8
4.8
4.8
0.0

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