

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: P635931

Luminaire Tested: **IFLD-S-SA3B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635931
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9029 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

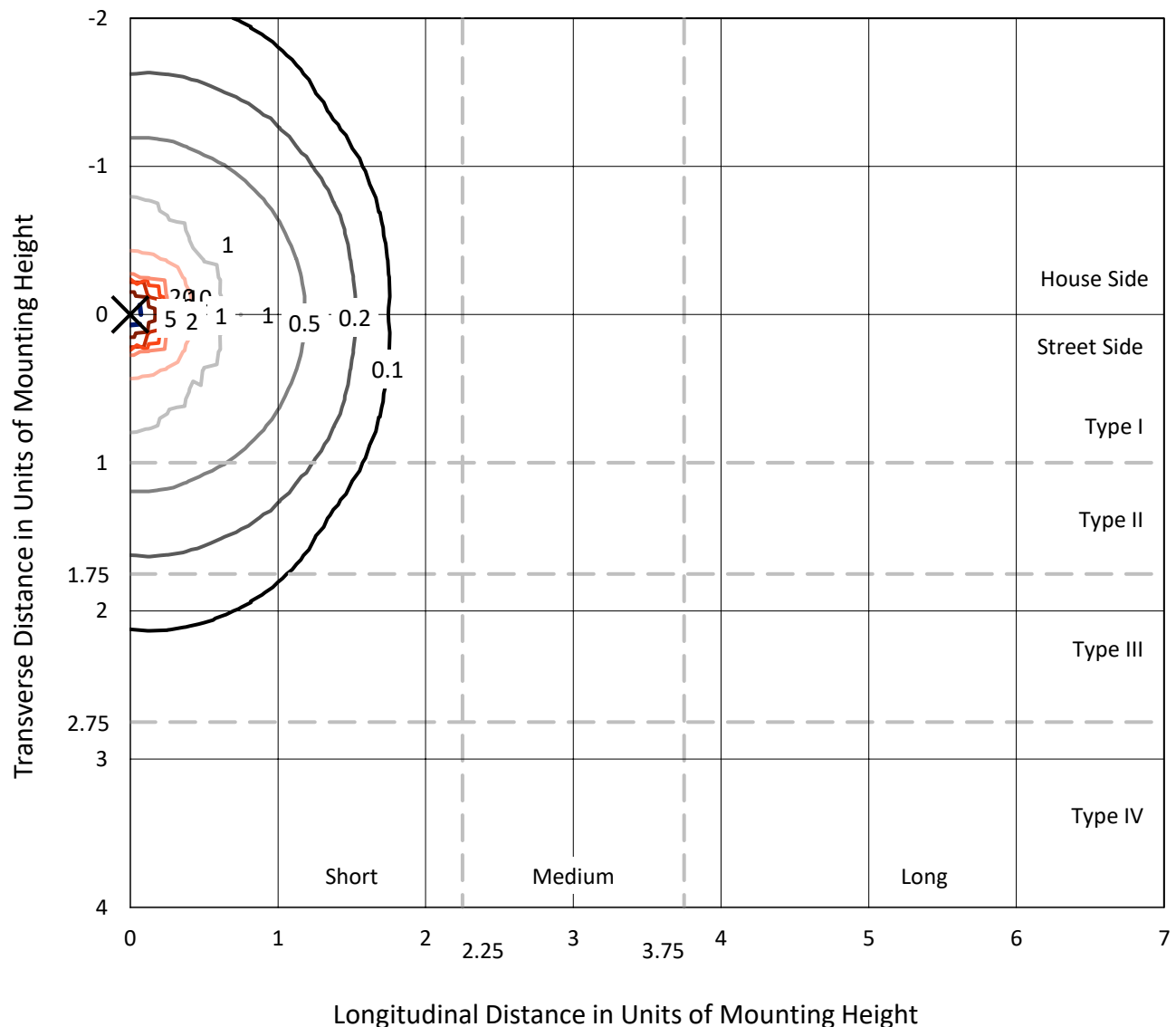
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

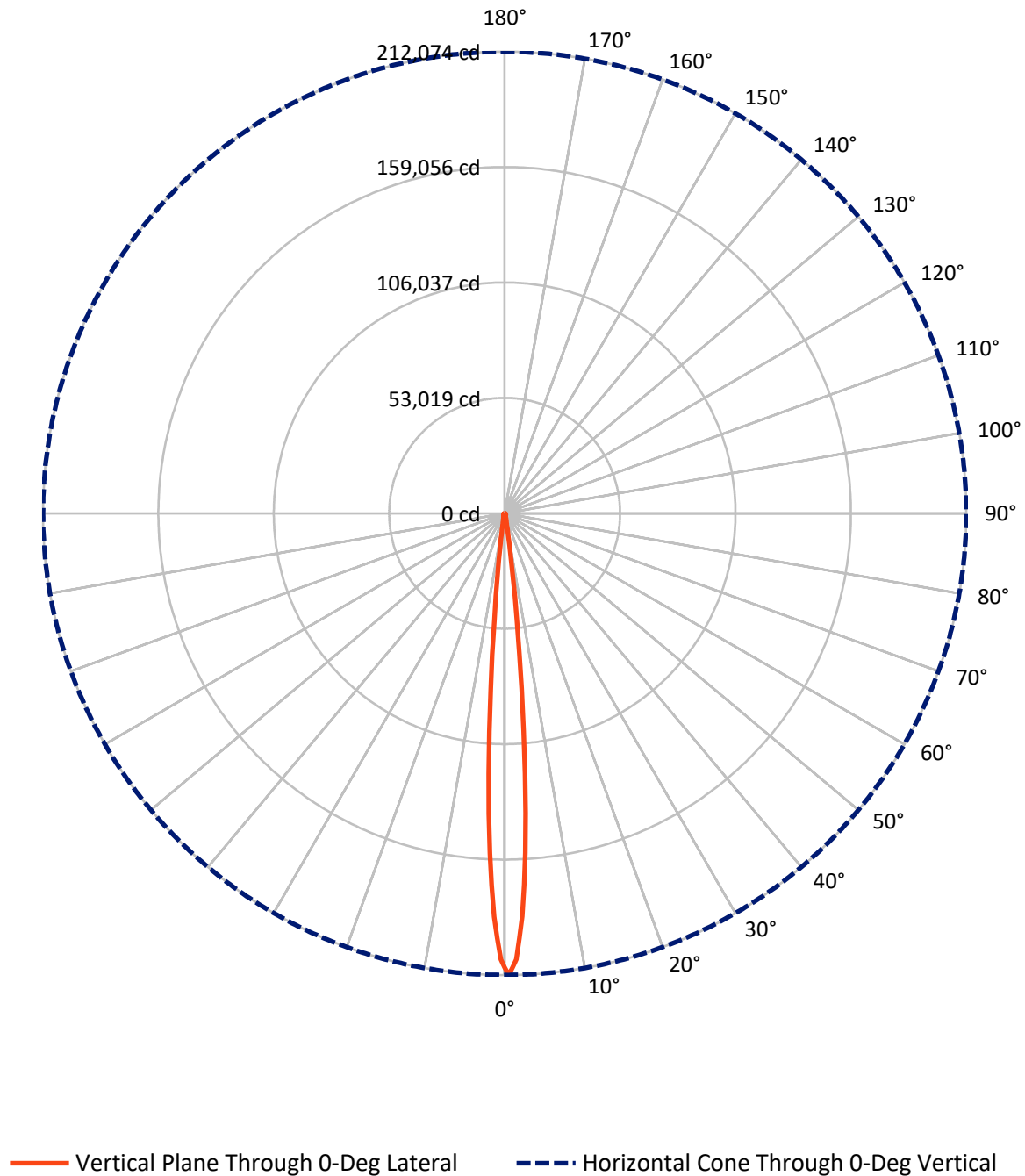
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 530.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4514.5	0.0	4514.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4514.5	0.0	4514.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9029.0	0.0	9029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5698.9	63.1
10°-20°	704.3	7.8
20°-30°	422.0	4.7
30°-40°	453.7	5.0
40°-50°	610.1	6.8
50°-60°	543.9	6.0
60°-70°	359.2	4.0
70°-80°	178.1	2.0
80°-90°	58.8	0.7
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°	9029.0	100.0
0°-180°	9029.0	100.0

Coefficient of Utilization



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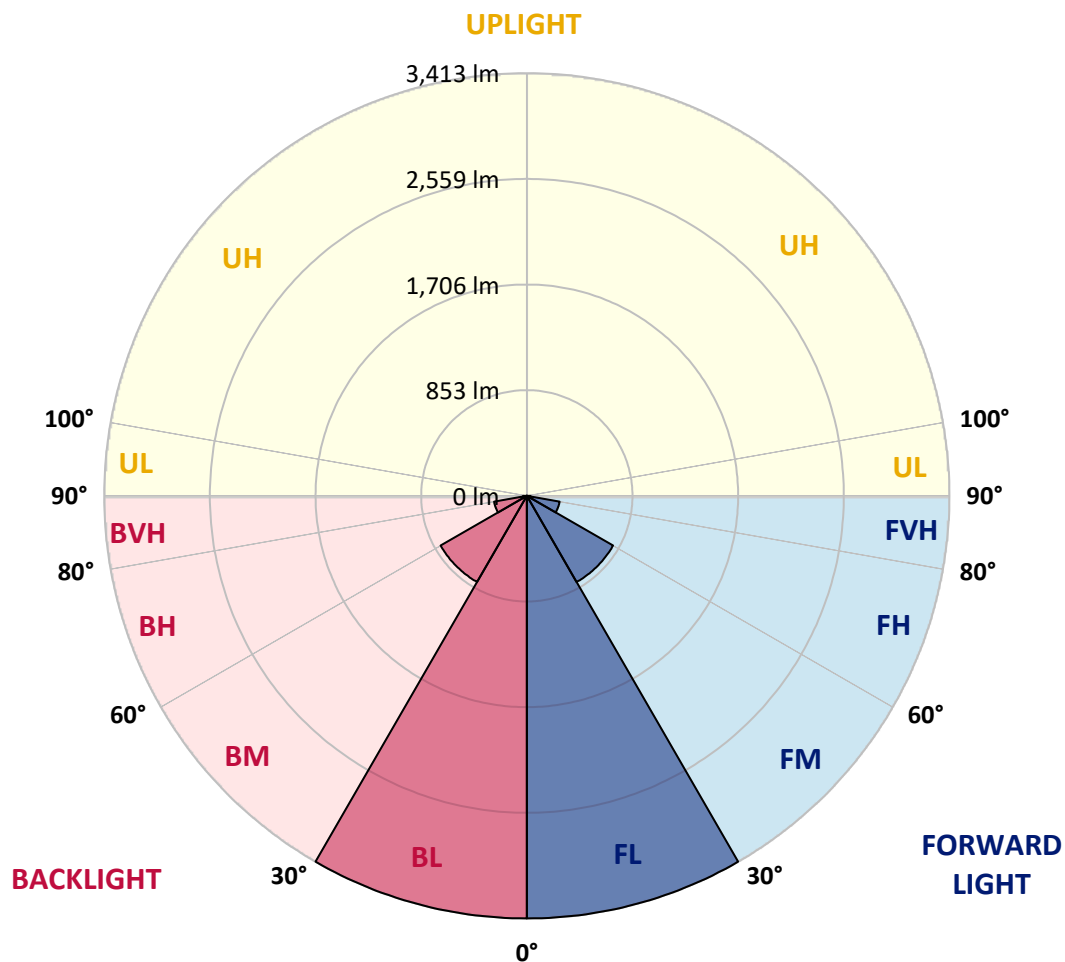
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3412.6	37.8			
FM	(30°-60°)	803.8	8.9			
FH	(60°-80°)	268.7	3.0			G0/660
FVH	(80°-90°)	29.4	0.3			G1/100
BL	(0°-30°)	3412.6	37.8	B4/5000		
BM	(30°-60°)	803.8	8.9	B1/1000		
BH	(60°-80°)	268.7	3.0	B1/500		G0/660
BVH	(80°-90°)	29.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	212074.0	212074.0	212074.0	212074.0	212074.0	212074.0	212074.0	212074.0	212074.0	212074.0
1°	204965.6	202861.8	203943.9	204978.1	206428.5	207067.3	207718.6	208205.6	208197.2	209000.5
2°	185390.4	182000.6	183571.7	185498.7	189225.6	190295.2	192082.7	194294.7	194429.9	196431.8
3°	156261.9	151502.8	153816.8	157248.2	163426.4	165024.6	167890.0	169912.6	169009.5	171352.6
4°	119910.4	113701.0	117236.4	122316.0	128329.8	134431.0	134551.7	136002.1	133024.3	132880.7
5°	80899.6	75424.7	79961.1	86314.1	91510.1	95773.9	98400.0	98581.1	95361.9	95068.5
6°	49340.5	45717.6	49665.1	56388.5	63586.4	65359.3	65761.0	64849.5	60627.3	58290.5
7°	27270.3	25792.9	29650.9	33662.9	39275.1	41870.0	40074.2	37160.9	35868.7	33086.5
8°	15038.7	14310.4	15411.2	18878.0	23233.4	24937.6	23204.2	20178.6	17999.9	17229.9
9°	9066.5	8662.8	9112.3	10431.6	12312.8	13494.7	12502.1	11012.2	10092.4	9836.5
10°	6022.2	5864.0	6055.5	6500.8	7177.1	7522.5	7274.9	6683.9	6405.0	6388.4
12.5°	3160.9	3131.8	3179.6	3229.6	3346.1	3364.8	3321.1	3279.5	3215.0	3240.0
15°	2035.1	2008.1	2058.0	2122.5	2151.7	2170.4	2172.5	2149.6	2105.9	2085.1
17.5°	1483.7	1489.9	1494.1	1531.6	1587.7	1631.4	1612.7	1587.7	1537.8	1512.8
20°	1221.5	1223.6	1231.9	1252.7	1271.4	1331.8	1313.1	1275.6	1227.7	1209.0
22.5°	1044.6	1048.8	1052.9	1065.4	1069.6	1086.2	1088.3	1055.0	1028.0	1017.6
25°	919.8	919.8	926.0	936.4	940.6	928.1	930.2	915.6	890.6	878.1
27.5°	780.3	784.5	790.7	794.9	786.6	772.0	753.3	765.8	753.3	724.2
30°	695.0	699.2	717.9	705.4	686.7	668.0	657.6	674.2	676.3	651.3
32.5°	688.8	690.9	697.1	690.9	668.0	645.1	630.5	649.2	653.4	643.0
35°	720.0	713.8	722.1	726.2	703.3	678.4	659.6	676.3	688.8	692.9
37.5°	871.9	836.5	809.5	801.2	786.6	769.9	745.0	749.1	772.0	792.8
40°	830.3	822.0	811.6	784.5	757.5	778.3	749.1	740.8	792.8	797.0
42.5°	824.0	830.3	822.0	788.7	761.6	782.4	776.2	751.2	803.2	797.0
45°	828.2	834.4	853.2	797.0	774.1	784.5	797.0	769.9	822.0	801.2
47.5°	794.9	803.2	824.0	792.8	778.3	776.2	794.9	769.9	797.0	794.9
50°	751.2	759.5	765.8	738.7	765.8	751.2	753.3	742.9	742.9	747.0
52.5°	695.0	703.3	709.6	678.4	695.0	701.3	676.3	674.2	655.5	661.7
55°	626.4	638.8	645.1	632.6	624.3	636.8	601.4	597.2	559.8	561.8
57.5°	547.3	559.8	566.0	580.6	574.3	549.4	528.6	511.9	470.3	453.6
60°	563.9	576.4	563.9	522.3	522.3	466.1	447.4	412.0	370.4	349.6
62.5°	545.2	561.8	559.8	516.1	464.0	393.3	360.0	322.5	280.9	253.9
65°	514.0	530.6	522.3	493.2	443.2	337.1	287.2	249.7	197.7	191.4
67.5°	462.0	486.9	470.3	451.6	412.0	305.9	228.9	187.3	143.6	143.6
70°	382.9	401.6	412.0	391.2	368.3	287.2	195.6	143.6	104.0	79.1
72.5°	308.0	324.6	341.3	330.9	310.1	260.1	174.8	114.5	74.9	45.8
75°	170.6	176.9	183.1	208.1	237.2	212.3	160.2	99.9	62.4	35.4
77.5°	131.1	137.3	151.9	139.4	129.0	164.4	174.8	116.5	54.1	25.0
80°	102.0	110.3	156.1	129.0	110.3	124.9	149.8	102.0	35.4	12.5
82.5°	77.0	83.2	110.3	122.8	116.5	93.6	81.2	68.7	31.2	8.3
85°	56.2	64.5	77.0	68.7	66.6	66.6	89.5	60.3	22.9	6.2
87.5°	33.3	33.3	35.4	33.3	31.2	31.2	35.4	29.1	14.6	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
212074.0
207385.7
194663.0
168847.2
132248.1
93880.3
58494.4
31779.7
16530.8
9489.0
6190.7
3146.3
2051.8
1485.8
1188.2
1005.1
867.7
726.2
643.0
636.8
692.9
811.6
803.2
792.8
794.9
790.7
732.5
651.3
547.3
443.2
332.9
249.7
191.4
126.9
70.8
43.7
31.2
12.5
8.3
6.2
4.2
4.2
0.0

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