

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: P635940

Luminaire Tested: **IFLD-M-SA4A-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635940
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9799.2 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

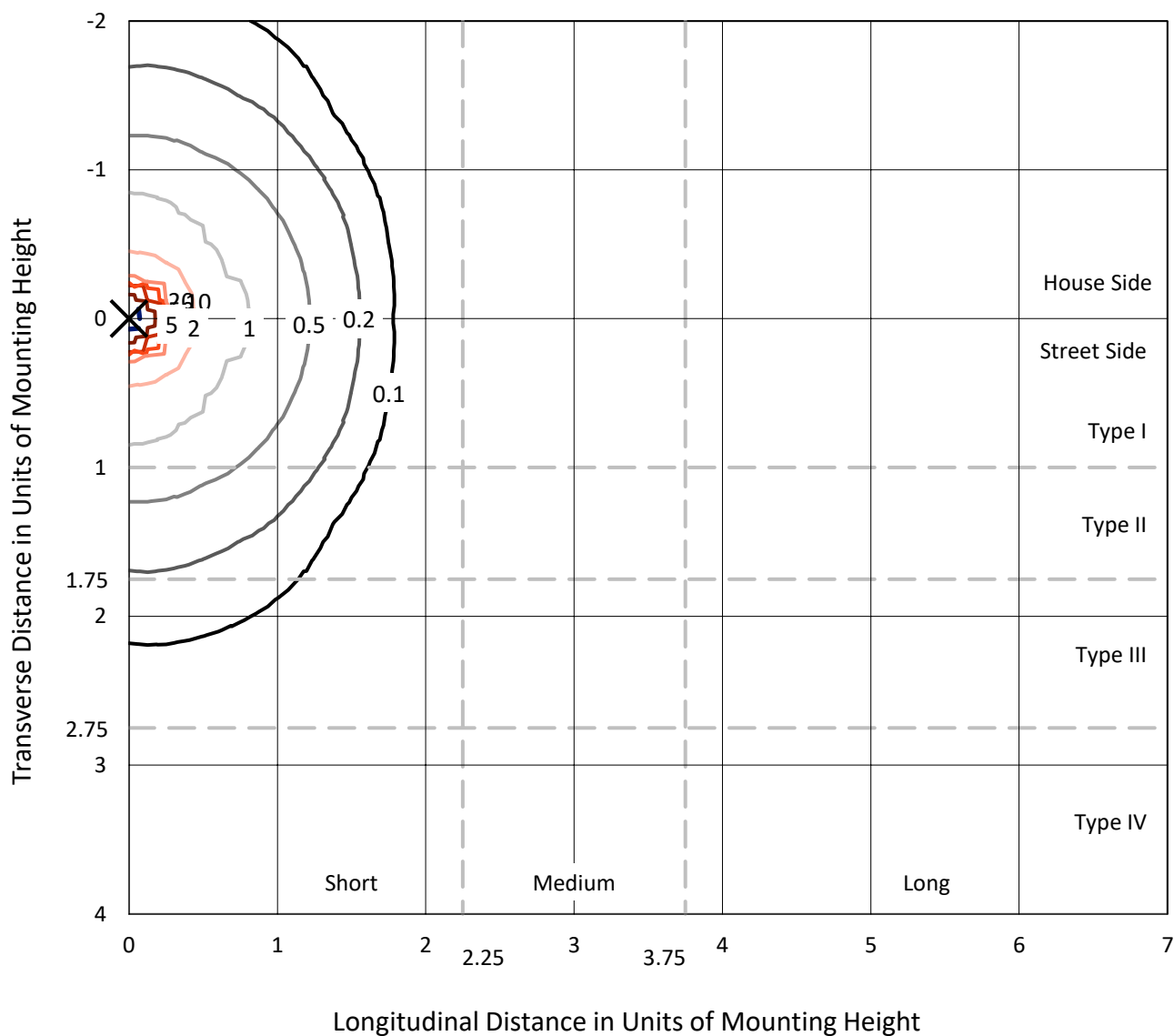
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

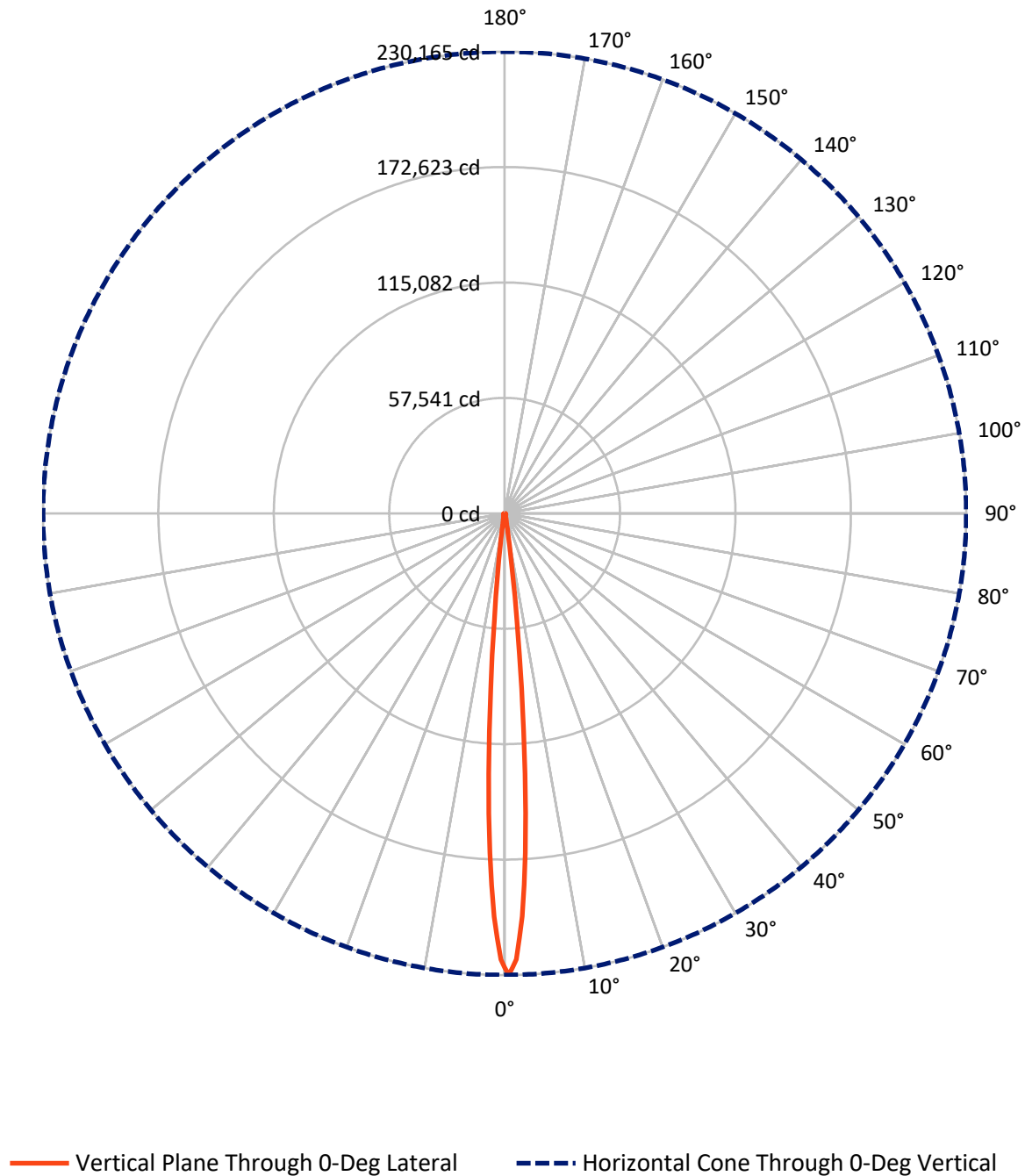
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 575.4 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	4899.6	0.0	4899.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4899.6	0.0	4899.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9799.2	0.0	9799.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6185.0	63.1
10°-20°	764.4	7.8
20°-30°	458.0	4.7
30°-40°	492.4	5.0
40°-50°	662.1	6.8
50°-60°	590.2	6.0
60°-70°	389.9	4.0
70°-80°	193.3	2.0
80°-90°	63.8	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°	9799.2	100.0
0°-180°	9799.2	100.0



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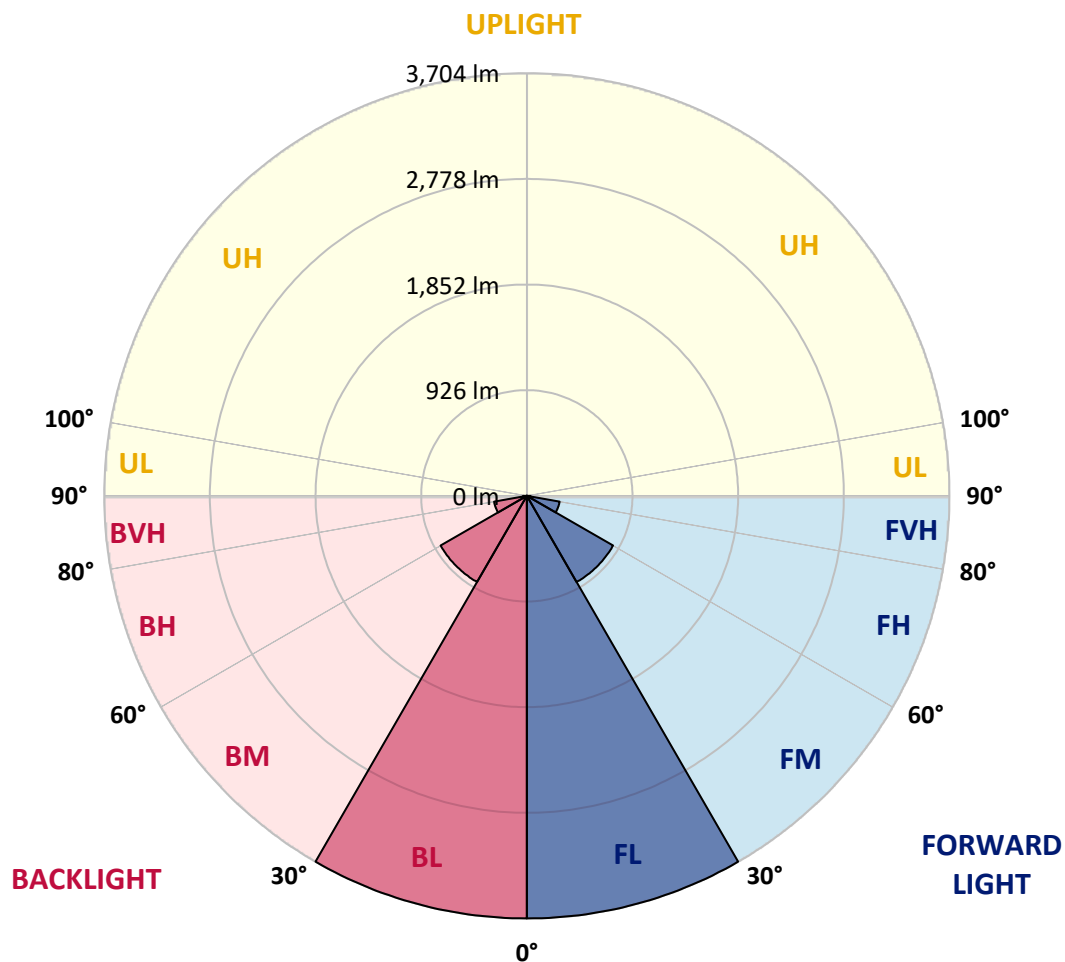
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3703.7	37.8			
FM	(30°-60°)	872.4	8.9			
FH	(60°-80°)	291.6	3.0			G0/660
FVH	(80°-90°)	31.9	0.3			G1/100
BL	(0°-30°)	3703.7	37.8	B4/5000		
BM	(30°-60°)	872.4	8.9	B1/1000		
BH	(60°-80°)	291.6	3.0	B1/500		G0/660
BVH	(80°-90°)	31.9	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°	230164.5	230164.5	230164.5	230164.5	230164.5	230164.5	230164.5	230164.5	230164.5	230164.5
1°	222449.7	220166.5	221340.9	222463.3	224037.4	224730.7	225437.6	225966.1	225957.1	226828.8
2°	201204.8	197525.8	199230.9	201322.2	205367.1	206527.9	208467.9	210868.6	211015.4	213188.0
3°	169591.4	164426.4	166937.8	170661.9	177367.2	179101.6	182211.5	184406.7	183426.5	185969.5
4°	130139.1	123400.0	127237.1	132749.9	139276.7	145898.4	146029.4	147603.5	144371.7	144215.8
5°	87800.5	81858.6	86782.0	93677.0	99316.2	103943.7	106793.8	106990.3	103496.6	103178.1
6°	53549.4	49617.5	53901.7	61198.6	69010.5	70934.7	71370.6	70381.4	65799.0	63262.8
7°	29596.6	27993.1	32180.2	36534.4	42625.4	45441.6	43492.6	40330.8	38928.4	35908.9
8°	16321.6	15531.1	16725.8	20488.4	25215.2	27064.9	25183.6	21899.9	19535.3	18699.7
9°	9839.9	9401.8	9889.6	11321.5	13363.1	14645.8	13568.6	11951.6	10953.3	10675.5
10°	6535.9	6364.2	6572.0	7055.3	7789.3	8164.2	7895.4	7254.0	6951.4	6933.3
12.5°	3430.5	3398.9	3450.9	3505.1	3631.5	3651.9	3604.4	3559.3	3489.3	3516.4
15°	2208.7	2179.4	2233.6	2303.6	2335.2	2355.5	2357.8	2332.9	2285.5	2262.9
17.5°	1610.3	1617.0	1621.5	1662.2	1723.2	1770.6	1750.3	1723.2	1669.0	1641.9
20°	1325.7	1328.0	1337.0	1359.6	1379.9	1445.4	1425.1	1384.4	1332.5	1312.1
22.5°	1133.7	1138.2	1142.8	1156.3	1160.8	1178.9	1181.2	1145.0	1115.7	1104.4
25°	998.2	998.2	1005.0	1016.3	1020.8	1007.3	1009.5	993.7	966.6	953.1
27.5°	846.9	851.4	858.2	862.7	853.7	837.9	817.5	831.1	817.5	785.9
30°	754.3	758.8	779.2	765.6	745.3	725.0	713.7	731.7	734.0	706.9
32.5°	747.5	749.8	756.6	749.8	725.0	700.1	684.3	704.6	709.1	697.9
35°	781.4	774.6	783.7	788.2	763.3	736.2	715.9	734.0	747.5	752.1
37.5°	946.3	907.9	878.5	869.5	853.7	835.6	808.5	813.0	837.9	860.5
40°	901.1	892.1	880.8	851.4	822.1	844.6	813.0	804.0	860.5	865.0
42.5°	894.3	901.1	892.1	855.9	826.6	849.2	842.4	815.3	871.7	865.0
45°	898.9	905.6	926.0	865.0	840.1	851.4	865.0	835.6	892.1	869.5
47.5°	862.7	871.7	894.3	860.5	844.6	842.4	862.7	835.6	865.0	862.7
50°	815.3	824.3	831.1	801.7	831.1	815.3	817.5	806.3	806.3	810.8
52.5°	754.3	763.3	770.1	736.2	754.3	761.1	734.0	731.7	711.4	718.2
55°	679.8	693.3	700.1	686.6	677.5	691.1	652.7	648.2	607.5	609.8
57.5°	594.0	607.5	614.3	630.1	623.3	596.2	573.6	555.6	510.4	492.3
60°	612.0	625.6	612.0	566.9	566.9	505.9	485.6	447.2	402.0	379.4
62.5°	591.7	609.8	607.5	560.1	503.6	426.8	390.7	350.1	304.9	275.5
65°	557.8	575.9	566.9	535.2	481.0	365.9	311.7	271.0	214.5	207.8
67.5°	501.4	528.5	510.4	490.1	447.2	332.0	248.4	203.3	155.8	155.8
70°	415.5	435.9	447.2	424.6	399.7	311.7	212.3	155.8	112.9	85.8
72.5°	334.2	352.3	370.4	359.1	336.5	282.3	189.7	124.2	81.3	49.7
75°	185.2	192.0	198.7	225.8	257.5	230.4	173.9	108.4	67.8	38.4
77.5°	142.3	149.1	164.9	151.3	140.0	178.4	189.7	126.5	58.7	27.1
80°	110.7	119.7	169.4	140.0	119.7	135.5	162.6	110.7	38.4	13.6
82.5°	83.6	90.3	119.7	133.2	126.5	101.6	88.1	74.5	33.9	9.0
85°	61.0	70.0	83.6	74.5	72.3	72.3	97.1	65.5	24.8	6.8
87.5°	36.1	36.1	38.4	36.1	33.9	33.9	38.4	31.6	15.8	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
230164.5
225076.3
211268.3
183250.4
143529.3
101888.6
63484.2
34490.6
17940.9
10298.4
6718.8
3414.7
2226.8
1612.5
1289.6
1090.8
941.8
788.2
697.9
691.1
752.1
880.8
871.7
860.5
862.7
858.2
795.0
706.9
594.0
481.0
361.3
271.0
207.8
137.8
76.8
47.4
33.9
13.6
9.0
6.8
4.5
4.5
0.0

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