

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: P636348

Luminaire Tested: **IFLD-M-SA4C-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636348
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17649.6 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

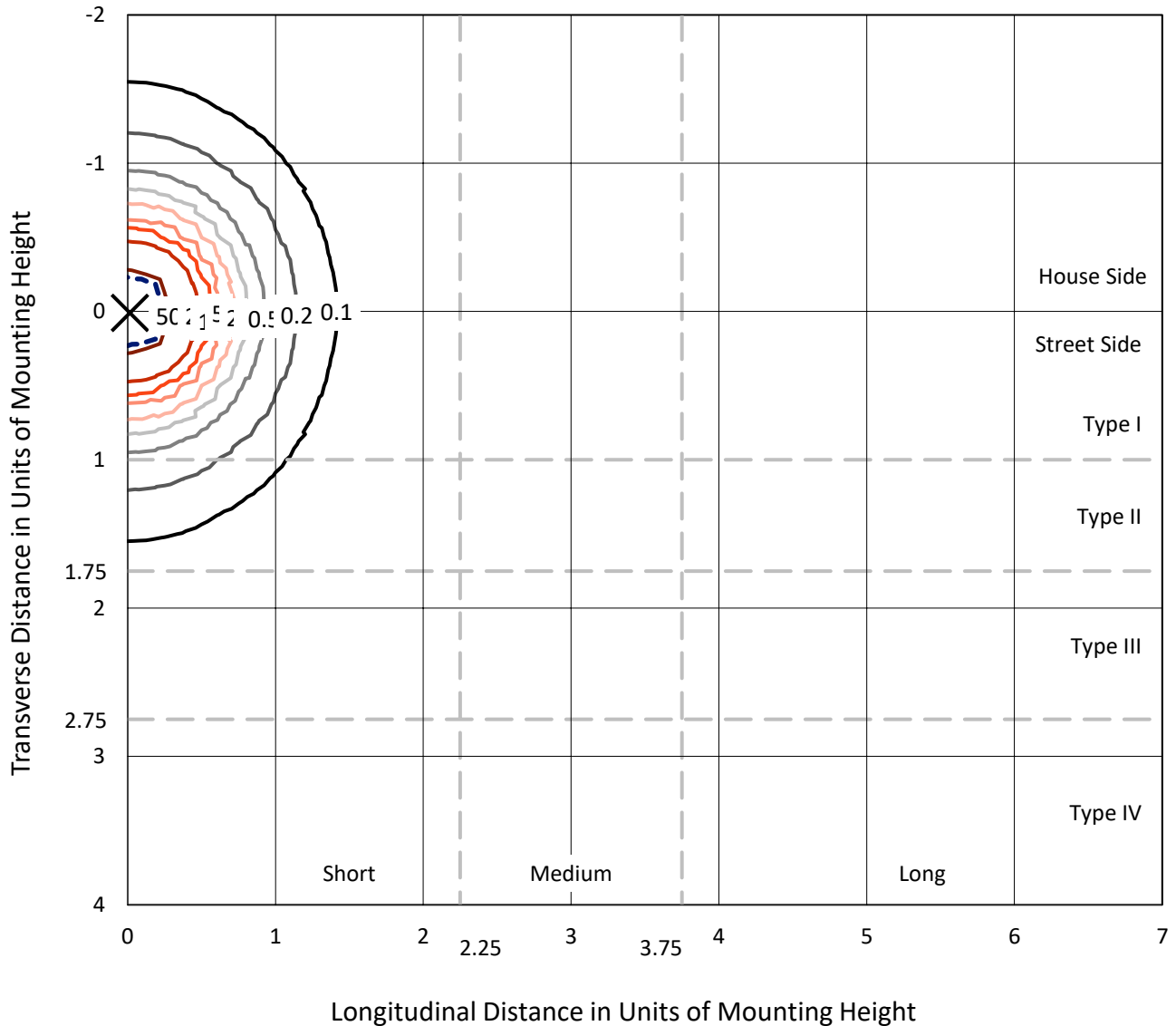
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636348
 CATALOG NUMBER: IFLD-M-SA4C-935-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

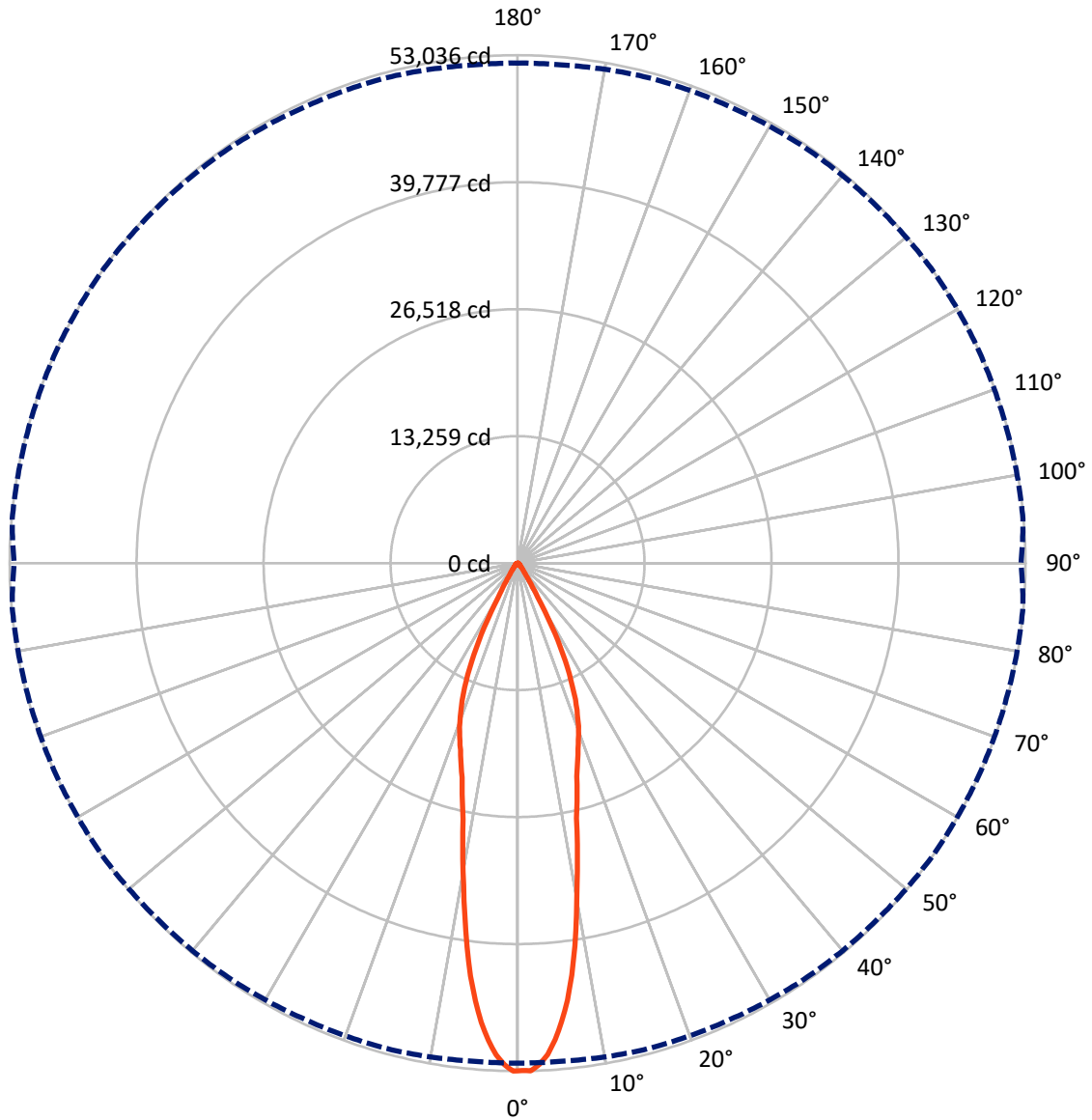
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 132.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636348
CATALOG NUMBER: IFLD-M-SA4C-935-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636348
 CATALOG NUMBER: IFLD-M-SA4C-935-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8824.8	0.0	8824.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8824.8	0.0	8824.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17649.6	0.0	17649.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4030.7	22.8
10°-20°	6583.2	37.3
20°-30°	5144.3	29.1
30°-40°	1121.3	6.4
40°-50°	332.0	1.9
50°-60°	207.6	1.2
60°-70°	145.2	0.8
70°-80°	62.3	0.4
80°-90°	23.0	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°	17649.6	100.0
0°-180°	17649.6	100.0



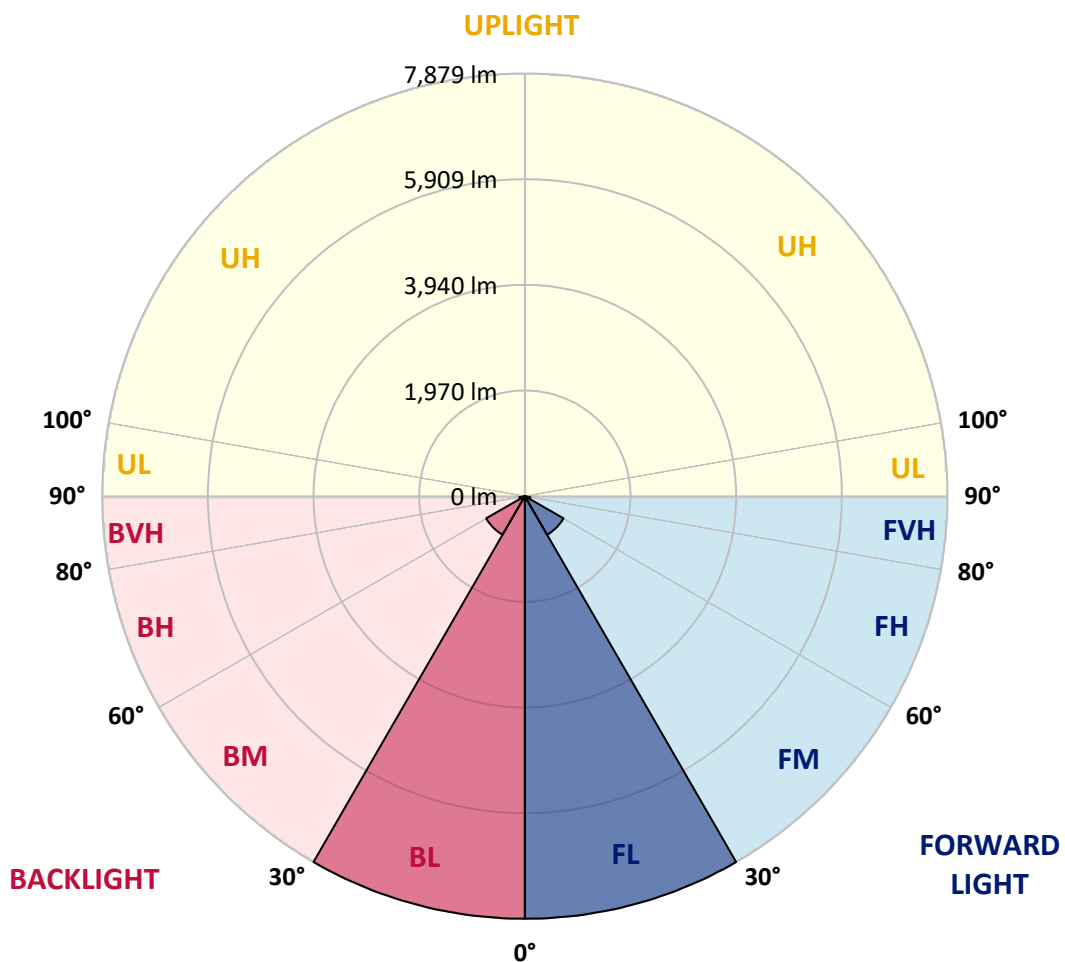
REPORT NUMBER: P636348
 CATALOG NUMBER: IFLD-M-SA4C-935-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7879.1	44.6			
FM (30°-60°)	830.5	4.7			
FH (60°-80°)	103.8	0.6			G0/660
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	7879.1	44.6	B5		
BM (30°-60°)	830.5	4.7	B1/1000		
BH (60°-80°)	103.8	0.6	B0/110		G0/660
BVH (80°-90°)	11.5	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





REPORT NUMBER: P636348
 CATALOG NUMBER: IFLD-M-SA4C-935-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	52975.5	52975.5	52975.5	52975.5	52975.5	52975.5	52975.5	52975.5	52975.5	52975.5
1°	52208.7	52215.1	52499.4	52563.3	52758.2	52857.3	53036.2	53017.0	52962.7	52969.1
2°	51246.9	51205.4	51470.6	51764.6	51997.8	52189.5	52403.6	52448.3	52397.2	52445.1
3°	49665.3	49604.6	49975.3	50342.7	50748.5	51077.6	51400.3	51413.1	51352.4	51349.2
4°	47585.3	47473.5	47914.4	48569.4	49080.6	49518.4	49921.0	49914.6	49831.5	49898.6
5°	45070.7	44930.1	45502.1	46364.8	47122.0	47649.2	48093.3	47987.9	47796.2	47805.8
6°	41984.2	42121.6	42821.3	44032.3	44926.9	45364.7	45911.0	45712.9	45380.7	45345.5
7°	39083.0	39392.9	39952.1	41412.3	42476.3	42936.4	43399.7	43000.3	42549.8	42476.3
8°	36028.5	36546.1	37319.3	38664.5	39798.7	40262.0	40437.8	40009.6	39527.1	39508.0
9°	33552.2	33906.9	34571.5	35756.9	36910.3	37220.2	37258.6	36884.8	36402.3	36434.2
10°	31299.6	31366.7	31941.9	32961.1	33884.5	34105.0	34095.4	33823.8	33427.6	33533.1
12.5°	26257.7	26439.8	26606.0	26931.9	27241.8	27385.6	27331.3	27219.4	27002.2	27011.8
15°	22835.7	22832.5	22851.7	23001.9	23094.5	23110.5	23110.5	22969.9	22877.2	23014.6
17.5°	19816.3	19982.4	20279.6	20401.0	20522.4	20477.7	20394.6	20330.7	20270.0	20388.2
20°	17467.9	17541.3	17544.5	17624.4	18237.9	18269.8	18164.4	17982.3	17828.9	17800.2
22.5°	14825.5	14937.3	14985.2	15055.5	15119.4	15585.9	15461.3	15167.4	14985.2	14930.9
25°	11128.7	11090.3	11403.5	11978.6	12071.3	12128.8	12096.8	11943.5	11825.2	11847.6
27.5°	7690.7	7757.8	7745.0	7751.4	8361.7	8358.5	8348.9	8214.7	8179.6	8128.4
30°	4300.7	4268.7	4284.7	4243.2	4156.9	4262.3	4093.0	4236.8	4096.2	4140.9
32.5°	2543.3	2521.0	2498.6	2508.2	2444.3	2287.7	2220.6	2319.7	2287.7	2274.9
35°	1623.1	1632.7	1661.5	1658.3	1600.8	1511.3	1415.4	1504.9	1492.1	1453.8
37.5°	1035.2	1035.2	1044.8	1127.9	1080.0	1003.3	936.2	974.5	971.3	964.9
40°	734.9	734.9	747.7	770.0	744.5	706.1	667.8	667.8	674.2	655.0
42.5°	546.4	546.4	559.2	571.9	540.0	527.2	508.0	495.2	511.2	495.2
45°	428.1	425.0	428.1	421.8	402.6	402.6	386.6	367.4	386.6	377.0
47.5°	351.5	348.3	345.1	332.3	313.1	316.3	309.9	294.0	303.5	300.3
50°	306.7	300.3	303.5	290.8	274.8	271.6	271.6	255.6	258.8	258.8
52.5°	268.4	268.4	265.2	258.8	252.4	239.6	242.8	226.9	226.9	226.9
55°	252.4	252.4	246.0	233.2	236.4	226.9	217.3	207.7	204.5	204.5
57.5°	249.2	249.2	246.0	233.2	223.7	220.5	207.7	194.9	185.3	188.5
60°	242.8	242.8	236.4	233.2	217.3	210.9	191.7	182.1	169.3	169.3
62.5°	233.2	230.1	217.3	198.1	198.1	182.1	169.3	150.2	140.6	137.4
65°	198.1	194.9	185.3	169.3	159.8	150.2	131.0	111.8	105.4	95.9
67.5°	163.0	163.0	156.6	140.6	134.2	121.4	99.0	86.3	70.3	63.9
70°	134.2	134.2	127.8	118.2	111.8	95.9	76.7	63.9	47.9	41.5
72.5°	108.6	108.6	102.2	95.9	89.5	79.9	63.9	47.9	32.0	25.6
75°	86.3	86.3	83.1	76.7	70.3	63.9	51.1	38.3	22.4	12.8
77.5°	70.3	70.3	67.1	63.9	57.5	51.1	41.5	32.0	16.0	6.4
80°	54.3	54.3	54.3	54.3	47.9	41.5	35.1	25.6	12.8	3.2
82.5°	38.3	38.3	41.5	47.9	38.3	32.0	32.0	25.6	9.6	3.2
85°	25.6	28.8	32.0	28.8	25.6	25.6	44.7	41.5	9.6	3.2
87.5°	12.8	12.8	12.8	12.8	12.8	9.6	12.8	9.6	6.4	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°
52975.5
52576.1
52068.1
51071.2
49582.3
47339.3
44879.0
42128.0
38808.2
35958.2
33162.4
26695.4
22695.1
20116.6
17614.8
14736.0
11770.9
7943.1
4195.2
2243.0
1412.3
952.2
648.6
492.1
377.0
300.3
262.0
226.9
201.3
188.5
159.8
131.0
92.7
60.7
38.3
22.4
9.6
6.4
3.2
3.2
3.2
0.0
0.0

OF REPORT)