

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: P636407

Luminaire Tested: **IFLD-M-SA4D-950-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636407
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-950-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21134.1 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

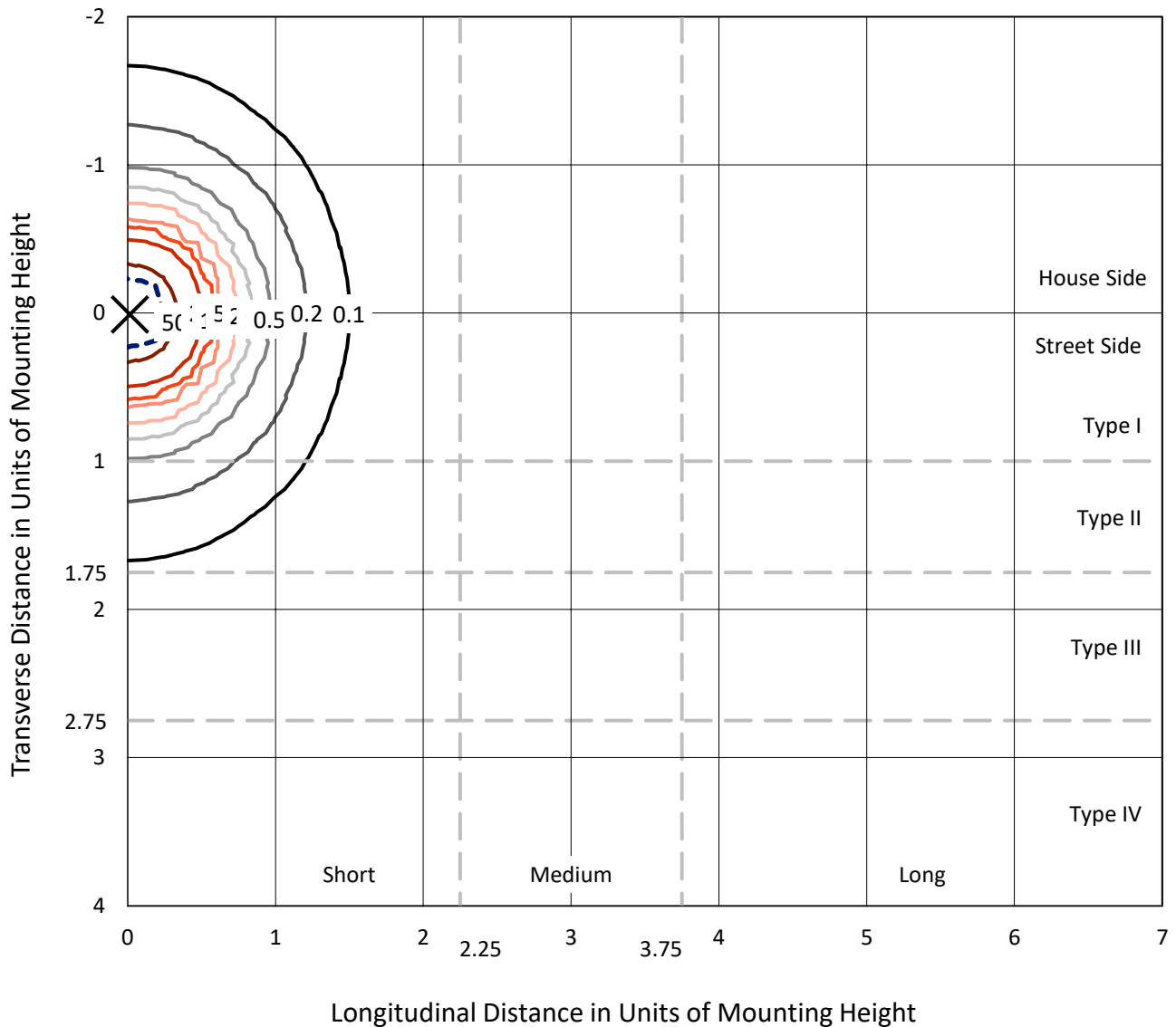
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636407
 CATALOG NUMBER: IFLD-M-SA4D-950-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

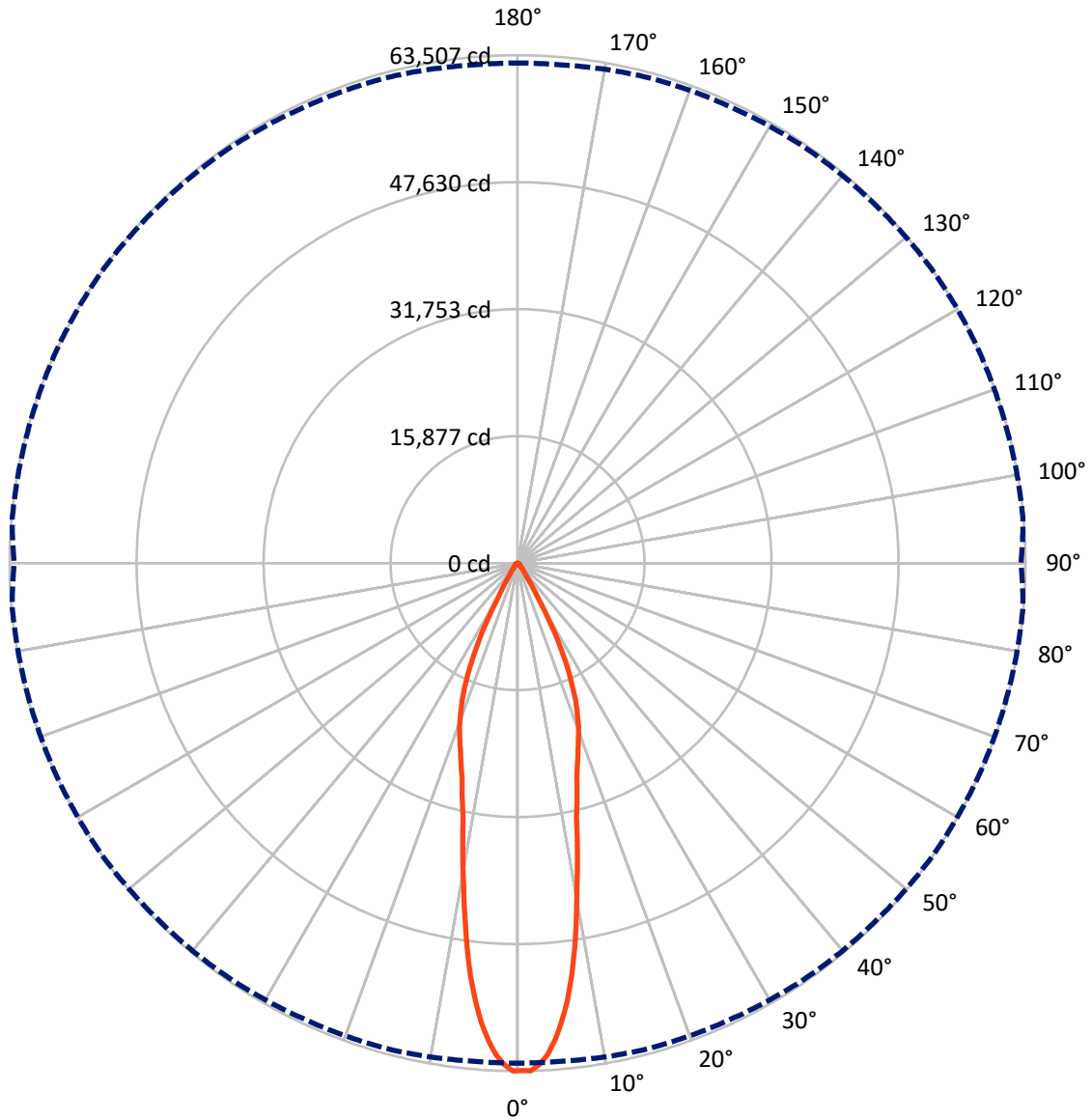
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 158.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636407
CATALOG NUMBER: IFLD-M-SA4D-950-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636407
 CATALOG NUMBER: IFLD-M-SA4D-950-U-44-VI

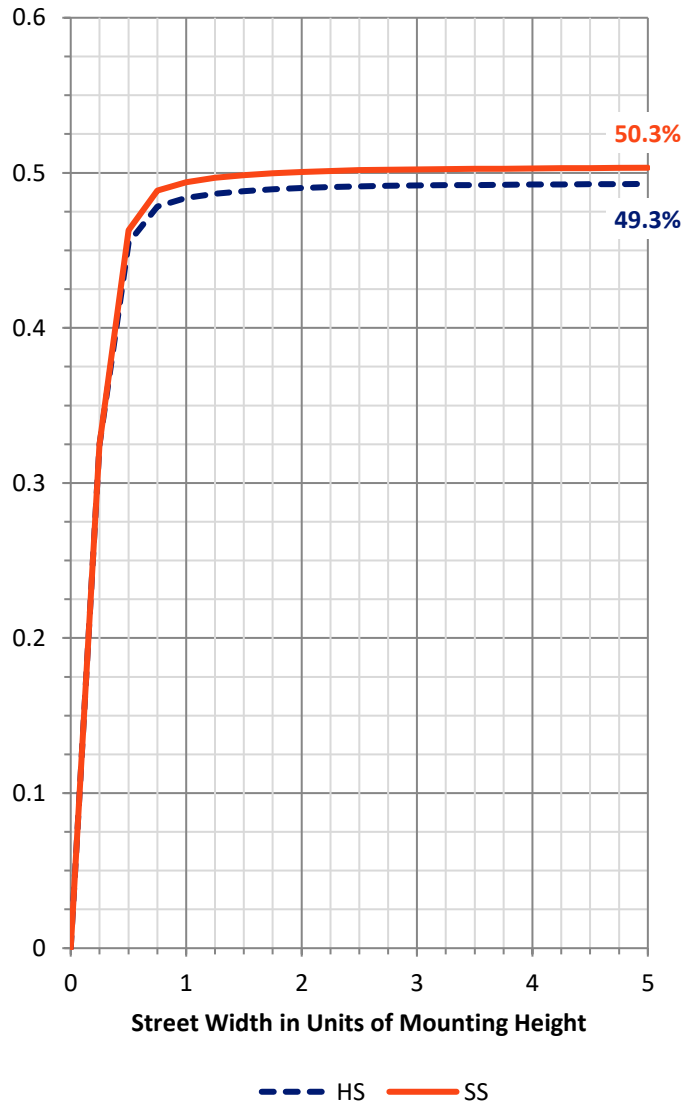
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10567.1	0.0	10567.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10567.1	0.0	10567.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21134.1	0.0	21134.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4826.4	22.8
10°-20°	7882.8	37.3
20°-30°	6159.9	29.1
30°-40°	1342.7	6.4
40°-50°	397.5	1.9
50°-60°	248.6	1.2
60°-70°	173.9	0.8
70°-80°	74.6	0.4
80°-90°	27.6	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°	21134.1	100.0
0°-180°	21134.1	100.0



REPORT NUMBER: P636407

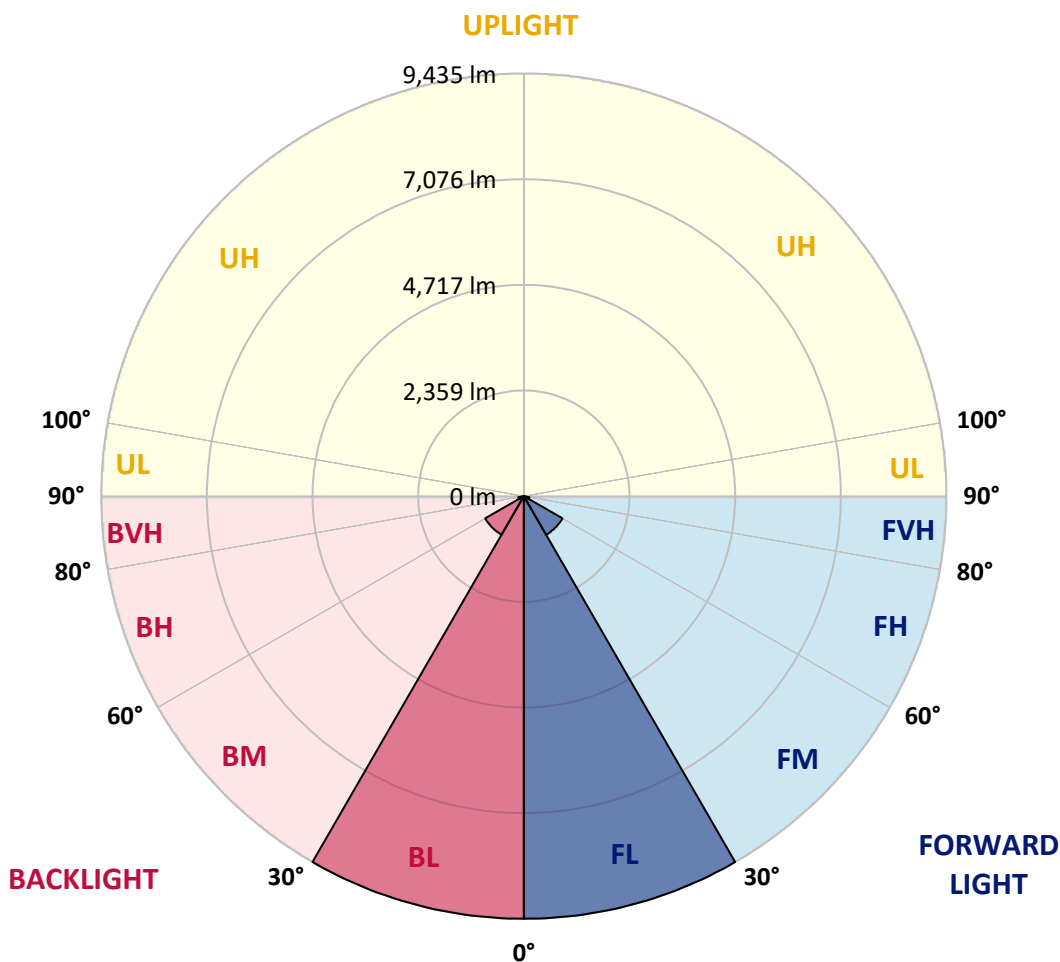
CATALOG NUMBER: IFLD-M-SA4D-950-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9434.6	44.6			
FM (30°-60°)	994.4	4.7			
FH (60°-80°)	124.2	0.6			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	9434.6	44.6	B5		
BM (30°-60°)	994.4	4.7	B1/1000		
BH (60°-80°)	124.2	0.6	B1/500		G0/660
BVH (80°-90°)	13.8	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: P636407
 CATALOG NUMBER: IFLD-M-SA4D-950-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	63434.2	63434.2	63434.2	63434.2	63434.2	63434.2	63434.2	63434.2	63434.2	63434.2
1°	62516.0	62523.7	62864.2	62940.7	63174.1	63292.7	63506.9	63484.0	63418.9	63426.6
2°	61364.4	61314.7	61632.2	61984.2	62263.5	62493.1	62749.4	62803.0	62741.7	62799.1
3°	59470.6	59397.9	59841.7	60281.7	60767.6	61161.6	61548.0	61563.4	61490.7	61486.8
4°	56979.9	56846.0	57373.9	58158.3	58770.4	59294.6	59776.6	59769.0	59669.5	59749.9
5°	53968.8	53800.5	54485.3	55518.4	56425.1	57056.4	57588.2	57461.9	57232.4	57243.9
6°	50273.0	50437.5	51275.4	52725.4	53796.7	54320.8	54975.1	54737.9	54340.0	54297.9
7°	46799.0	47170.1	47839.7	49588.1	50862.2	51413.1	51967.9	51489.6	50950.2	50862.2
8°	43141.4	43761.2	44687.1	46297.8	47656.0	48210.8	48421.2	47908.5	47330.8	47307.9
9°	40176.3	40601.0	41396.8	42816.2	44197.4	44568.5	44614.4	44166.8	43589.0	43627.3
10°	37479.0	37559.3	38248.0	39468.5	40574.2	40838.2	40826.7	40501.5	40027.1	40153.3
12.5°	31441.7	31659.7	31858.7	32248.9	32620.0	32792.2	32727.2	32593.3	32333.1	32344.6
15°	27344.1	27340.2	27363.2	27543.0	27654.0	27673.1	27673.1	27504.8	27393.8	27558.3
17.5°	23728.5	23927.5	24283.3	24428.7	24574.1	24520.5	24421.0	24344.5	24271.8	24413.4
20°	20916.5	21004.5	21008.3	21103.9	21838.5	21876.8	21750.5	21532.4	21348.8	21314.4
22.5°	17752.4	17886.3	17943.7	18027.9	18104.4	18663.0	18513.8	18161.8	17943.7	17878.7
25°	13325.8	13279.9	13654.8	14343.5	14454.4	14523.3	14485.0	14301.4	14159.8	14186.6
27.5°	9209.1	9289.4	9274.1	9281.8	10012.5	10008.7	9997.2	9836.5	9794.4	9733.2
30°	5149.7	5111.5	5130.6	5080.9	4977.6	5103.8	4901.0	5073.2	4904.9	4958.4
32.5°	3045.5	3018.7	2991.9	3003.4	2926.9	2739.4	2659.0	2777.6	2739.4	2724.1
35°	1943.6	1955.1	1989.5	1985.7	1916.8	1809.7	1694.9	1802.0	1786.7	1740.8
37.5°	1239.6	1239.6	1251.1	1350.6	1293.2	1201.3	1121.0	1166.9	1163.1	1155.4
40°	880.0	880.0	895.3	922.1	891.4	845.5	799.6	799.6	807.3	784.3
42.5°	654.2	654.2	669.5	684.8	646.6	631.3	608.3	593.0	612.2	593.0
45°	512.7	508.9	512.7	505.0	482.1	482.1	462.9	440.0	462.9	451.5
47.5°	420.9	417.0	413.2	397.9	374.9	378.8	371.1	352.0	363.5	359.6
50°	367.3	359.6	363.5	348.2	329.0	325.2	325.2	306.1	309.9	309.9
52.5°	321.4	321.4	317.6	309.9	302.3	286.9	290.8	271.6	271.6	271.6
55°	302.3	302.3	294.6	279.3	283.1	271.6	260.2	248.7	244.9	244.9
57.5°	298.4	298.4	294.6	279.3	267.8	264.0	248.7	233.4	221.9	225.7
60°	290.8	290.8	283.1	279.3	260.2	252.5	229.6	218.1	202.8	202.8
62.5°	279.3	275.5	260.2	237.2	237.2	218.1	202.8	179.8	168.3	164.5
65°	237.2	233.4	221.9	202.8	191.3	179.8	156.9	133.9	126.3	114.8
67.5°	195.1	195.1	187.5	168.3	160.7	145.4	118.6	103.3	84.2	76.5
70°	160.7	160.7	153.0	141.6	133.9	114.8	91.8	76.5	57.4	49.7
72.5°	130.1	130.1	122.4	114.8	107.1	95.6	76.5	57.4	38.3	30.6
75°	103.3	103.3	99.5	91.8	84.2	76.5	61.2	45.9	26.8	15.3
77.5°	84.2	84.2	80.3	76.5	68.9	61.2	49.7	38.3	19.1	7.7
80°	65.0	65.0	65.0	65.0	57.4	49.7	42.1	30.6	15.3	3.8
82.5°	45.9	45.9	49.7	57.4	45.9	38.3	38.3	30.6	11.5	3.8
85°	30.6	34.4	38.3	34.4	30.6	30.6	53.6	49.7	11.5	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	11.5	15.3	11.5	7.7	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°
63434.2
62956.0
62347.7
61154.0
59371.1
56685.3
53739.3
50445.1
46470.0
43057.2
39709.5
31965.8
27175.7
24088.2
21092.5
17645.3
14094.8
9511.3
5023.5
2685.8
1691.1
1140.1
776.7
589.2
451.5
359.6
313.7
271.6
241.0
225.7
191.3
156.9
111.0
72.7
45.9
26.8
11.5
7.7
3.8
3.8
3.8
0.0
0.0

OF REPORT)