

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: P636088

Luminaire Tested: **IFLD-M-SA4D-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636088
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21480.4 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

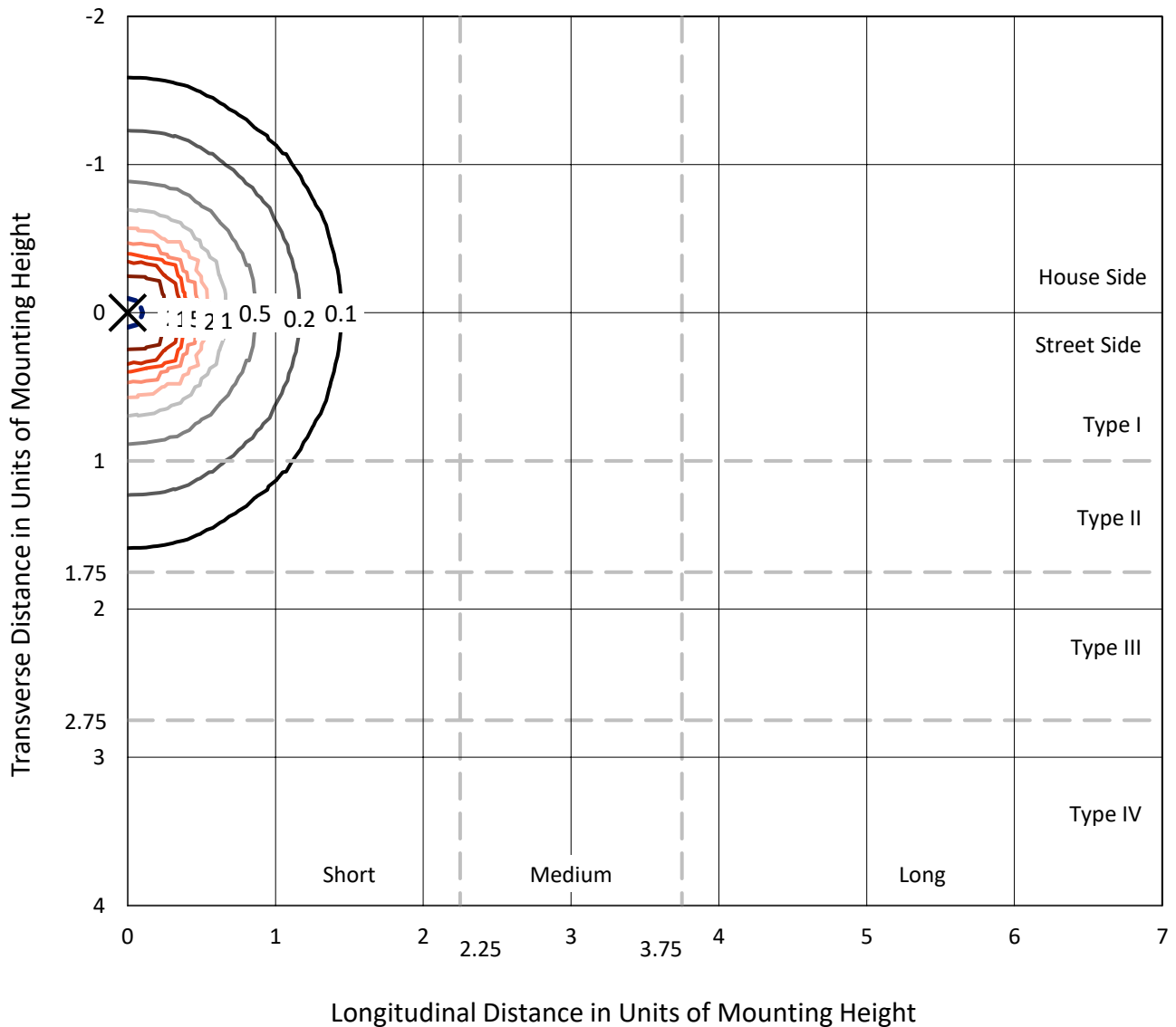
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636088
 CATALOG NUMBER: IFLD-M-SA4D-940-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

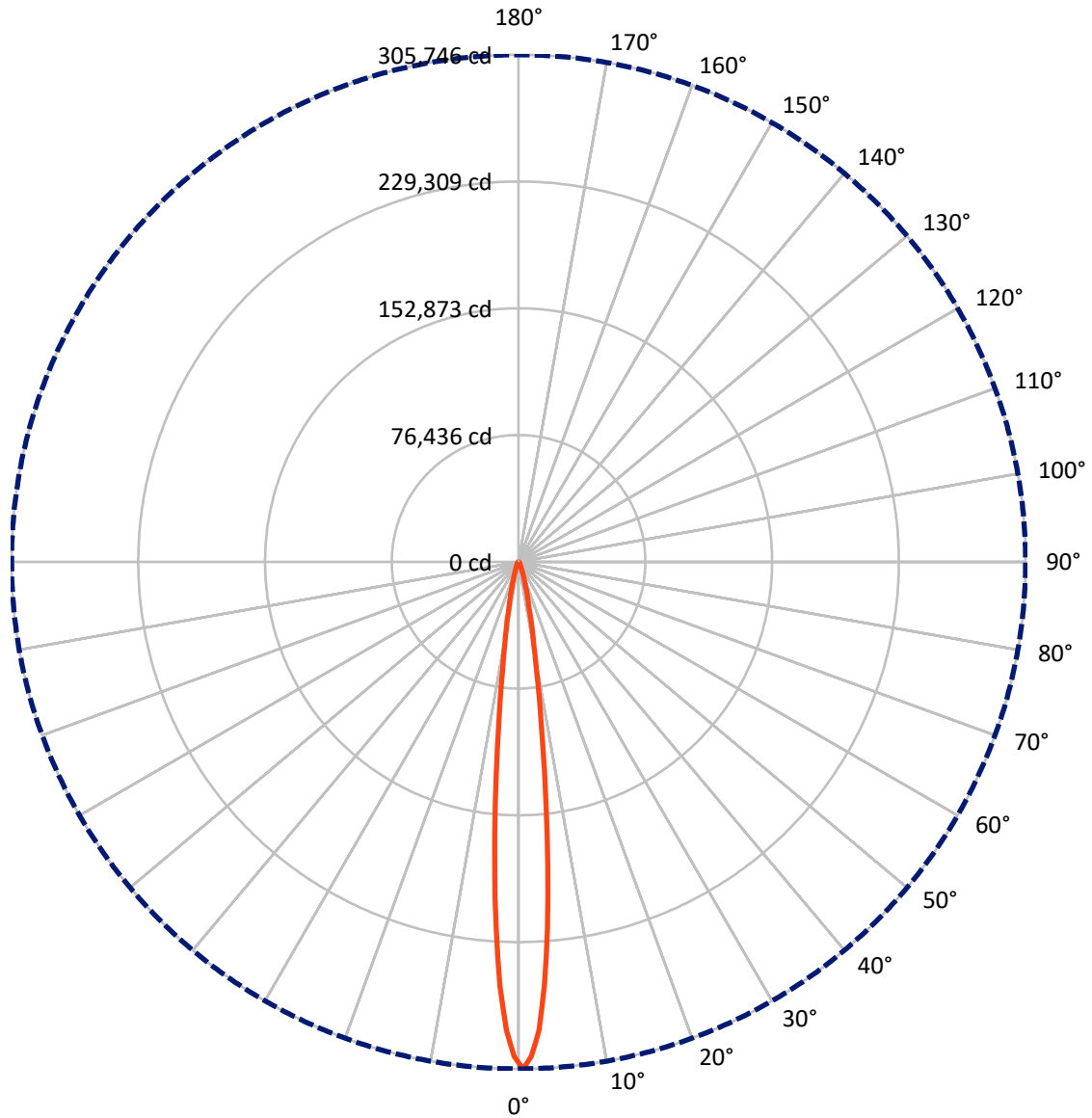
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 764.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636088
CATALOG NUMBER: IFLD-M-SA4D-940-U-22-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P636088
 CATALOG NUMBER: IFLD-M-SA4D-940-U-22-VI

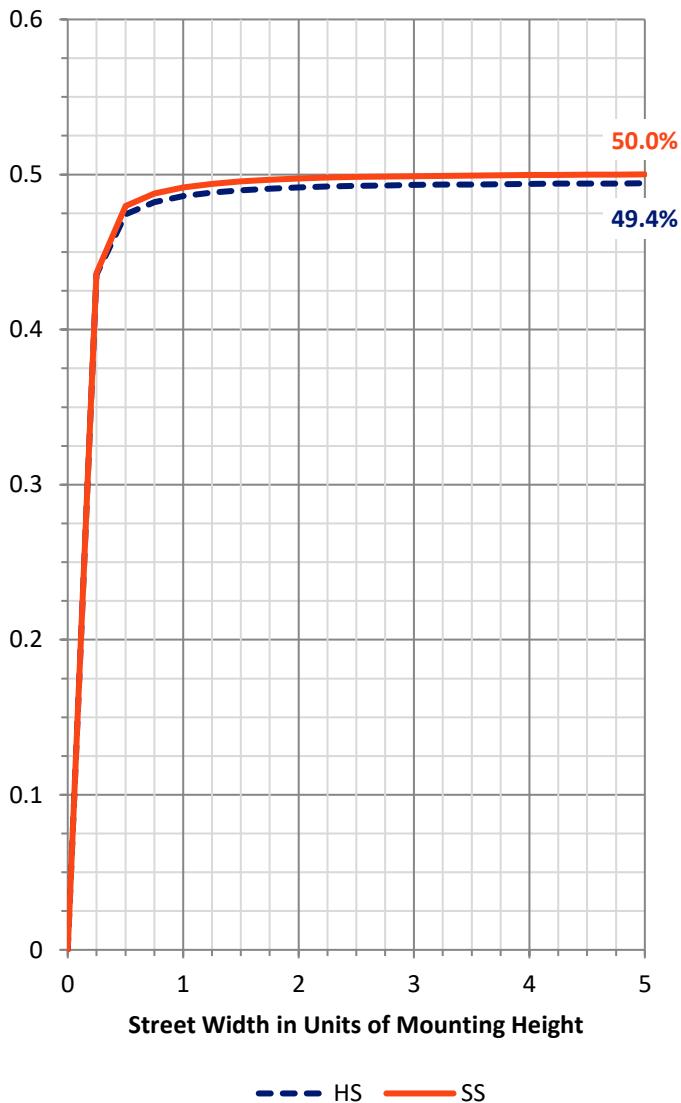
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10740.2	0.0	10740.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10740.2	0.0	10740.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21480.4	0.0	21480.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13094.1	61.0
10°-20°	5866.2	27.3
20°-30°	1310.1	6.1
30°-40°	427.6	2.0
40°-50°	294.9	1.4
50°-60°	222.8	1.0
60°-70°	152.5	0.7
70°-80°	80.3	0.4
80°-90°	32.0	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°	21480.4	100.0
0°-180°	21480.4	100.0

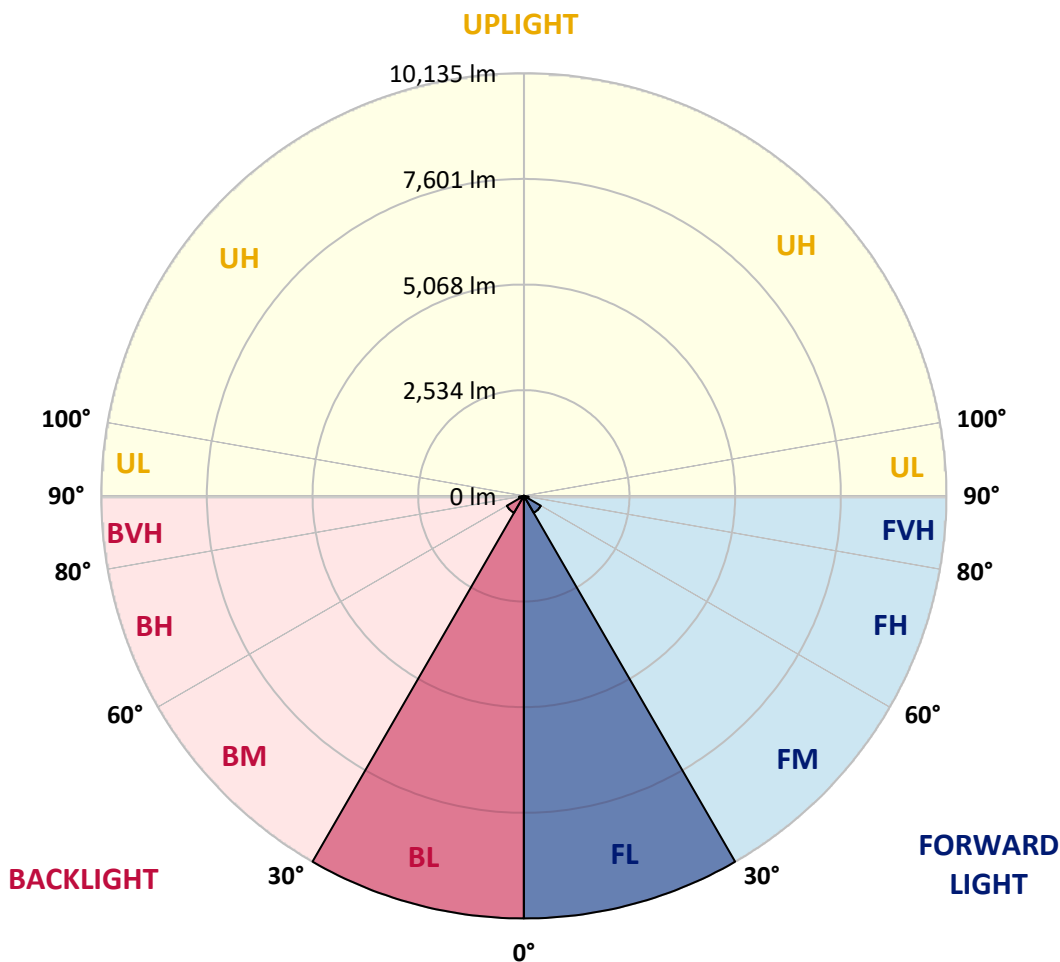


REPORT NUMBER: P636088
 CATALOG NUMBER: IFLD-M-SA4D-940-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10135.2	47.2			
FM (30°-60°)	472.6	2.2			
FH (60°-80°)	116.4	0.5			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	10135.2	47.2	B5		
BM (30°-60°)	472.6	2.2	B1/1000		
BH (60°-80°)	116.4	0.5	B1/500		G0/660
BVH (80°-90°)	16.0	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: P636088
 CATALOG NUMBER: IFLD-M-SA4D-940-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	305745.8	305745.8	305745.8	305745.8	305745.8	305745.8	305745.8	305745.8	305745.8	305745.8
1°	298154.9	298560.4	298109.0	300389.3	301330.5	301820.3	301877.6	303163.2	302172.3	302447.7
2°	282441.2	283344.1	281832.8	283294.4	286217.5	287323.2	285521.2	287747.9	286952.1	287415.1
3°	256037.4	257143.1	255054.1	256840.9	260601.9	261443.6	258489.9	261654.1	261573.7	262239.5
4°	222004.4	223798.8	220814.5	222930.3	224594.7	227525.4	224663.5	228263.9	228195.0	229350.5
5°	183372.5	185312.3	182718.2	184914.4	186490.8	187581.2	186532.8	190515.8	190768.3	191962.0
6°	145570.8	147380.6	144484.2	146580.9	149079.3	149527.0	149255.3	152683.5	153444.9	152515.2
7°	112031.4	112482.9	112027.6	113933.0	115937.9	116010.5	116362.5	119377.5	120047.1	119725.7
8°	85799.8	83733.7	85509.0	86519.1	87139.0	89985.6	90196.0	91714.9	92946.9	93034.9
9°	65311.2	63398.1	65452.7	65854.5	67277.8	69806.8	69489.2	71149.8	71922.6	71872.9
10°	49792.6	48820.8	49850.0	50293.8	51464.6	53607.2	53978.3	54739.7	55313.6	55688.6
12.5°	27019.8	27245.5	27842.4	28309.2	29885.5	30455.6	30685.2	30750.2	30746.4	30807.6
15°	16785.0	16968.7	17385.7	18231.3	19191.6	19899.4	19998.9	19631.6	19314.0	19264.3
17.5°	10468.2	10395.5	11374.9	12300.8	13456.3	13823.6	13441.0	13020.1	12587.8	12339.1
20°	6282.4	6332.2	6665.0	7078.2	8011.8	8646.9	8249.0	7820.5	7372.9	7078.2
22.5°	3569.7	3623.3	3768.7	3982.9	4338.8	4916.5	4664.0	4231.6	3914.1	3784.0
25°	2108.2	2108.2	2196.2	2291.8	2441.0	2575.0	2521.4	2291.8	2104.3	2050.8
27.5°	1365.9	1354.4	1385.0	1431.0	1499.8	1507.5	1446.3	1377.4	1281.7	1247.3
30°	998.6	1002.4	998.6	1017.7	1013.9	987.1	948.9	952.7	914.4	910.6
32.5°	811.1	815.0	815.0	811.1	792.0	749.9	723.1	749.9	742.3	734.6
35°	673.4	677.2	715.5	711.7	681.0	635.1	616.0	646.6	669.6	635.1
37.5°	581.6	585.4	616.0	631.3	593.0	562.4	539.5	566.3	600.7	562.4
40°	512.7	516.5	524.2	528.0	508.9	493.6	482.1	489.7	505.0	485.9
42.5°	451.5	447.7	451.5	447.7	424.7	432.3	424.7	413.2	424.7	409.4
45°	394.1	394.1	394.1	382.6	359.7	375.0	367.3	355.8	359.7	348.2
47.5°	359.7	359.7	359.7	344.3	325.2	325.2	329.0	309.9	313.7	309.9
50°	325.2	325.2	332.9	317.6	302.3	290.8	294.6	279.3	283.1	279.3
52.5°	298.4	298.4	298.4	290.8	279.3	271.7	264.0	256.3	252.5	248.7
55°	287.0	287.0	283.1	260.2	256.3	248.7	233.4	229.6	221.9	218.1
57.5°	267.8	267.8	264.0	244.9	229.6	229.6	206.6	202.8	191.3	191.3
60°	237.2	237.2	233.4	229.6	210.4	199.0	183.7	176.0	164.5	160.7
62.5°	225.7	225.7	218.1	199.0	195.1	176.0	160.7	145.4	137.7	130.1
65°	210.4	206.6	202.8	183.7	168.3	156.9	137.7	118.6	111.0	95.7
67.5°	187.5	187.5	183.7	168.3	153.0	133.9	114.8	99.5	80.3	68.9
70°	164.5	160.7	160.7	145.4	133.9	118.6	91.8	76.5	57.4	45.9
72.5°	137.7	137.7	133.9	122.4	114.8	103.3	80.3	61.2	38.3	30.6
75°	111.0	111.0	107.1	99.5	95.7	84.2	68.9	53.6	30.6	15.3
77.5°	91.8	88.0	88.0	80.3	76.5	68.9	57.4	42.1	23.0	11.5
80°	68.9	68.9	72.7	68.9	61.2	57.4	49.7	38.3	19.1	7.7
82.5°	49.7	49.7	53.6	53.6	53.6	49.7	49.7	38.3	19.1	3.8
85°	34.4	34.4	42.1	38.3	38.3	42.1	61.2	49.7	15.3	3.8
87.5°	19.1	19.1	19.1	15.3	15.3	19.1	23.0	19.1	7.7	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
305745.8
300423.7
285762.2
260452.7
227322.7
189681.7
152610.8
119285.7
91925.4
73043.7
55910.5
30857.3
19111.3
12300.8
7143.3
3799.3
2043.1
1247.3
906.8
719.3
627.5
558.6
478.3
409.4
348.2
309.9
279.3
248.7
214.3
191.3
153.0
126.3
91.8
68.9
45.9
26.8
15.3
7.7
3.8
3.8
3.8
3.8
0.0

OF REPORT)