

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: P636001

Luminaire Tested: **IFLD-M-SA4D-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636001
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18819.9 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

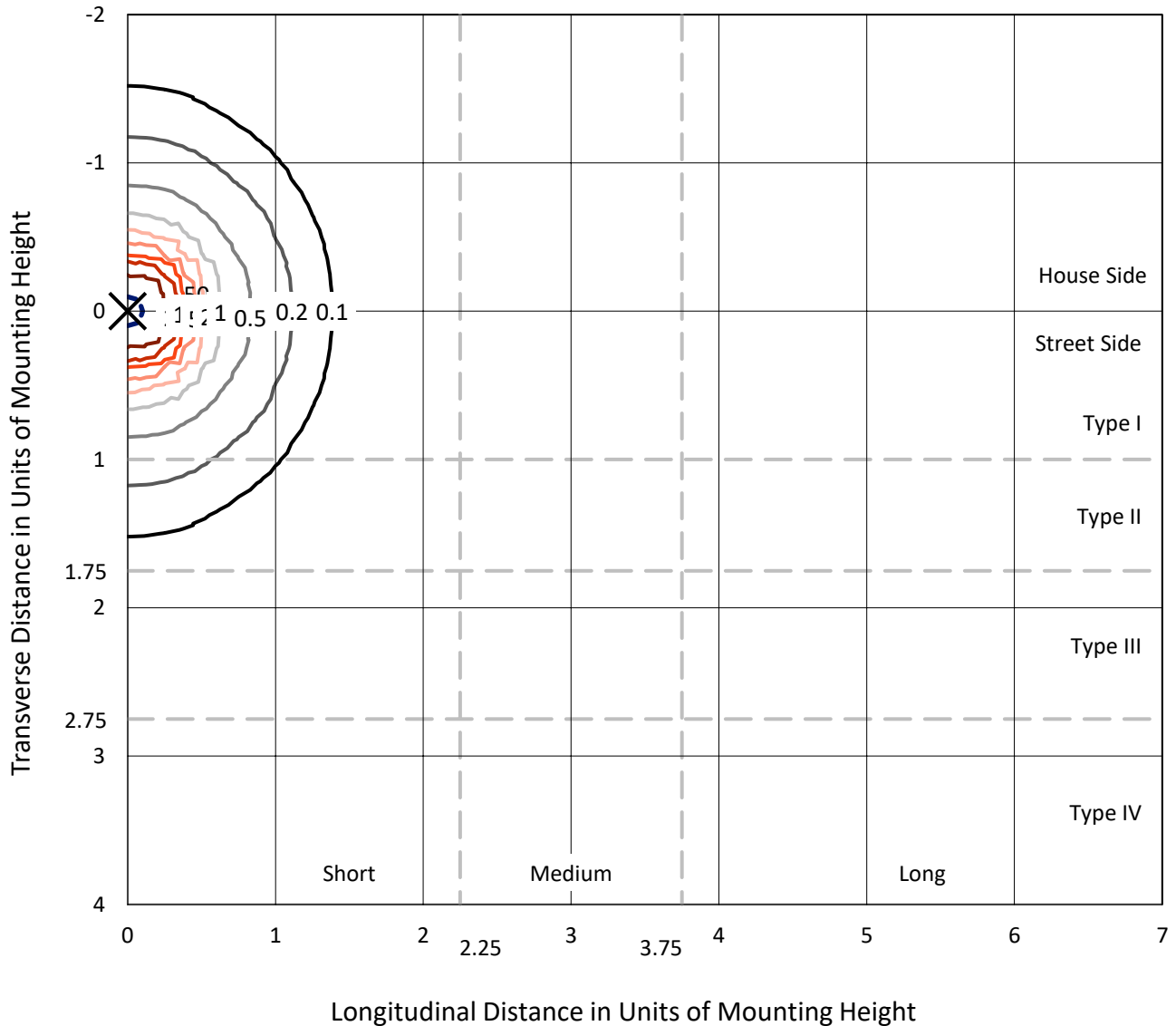
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636001
 CATALOG NUMBER: IFLD-M-SA4D-927-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

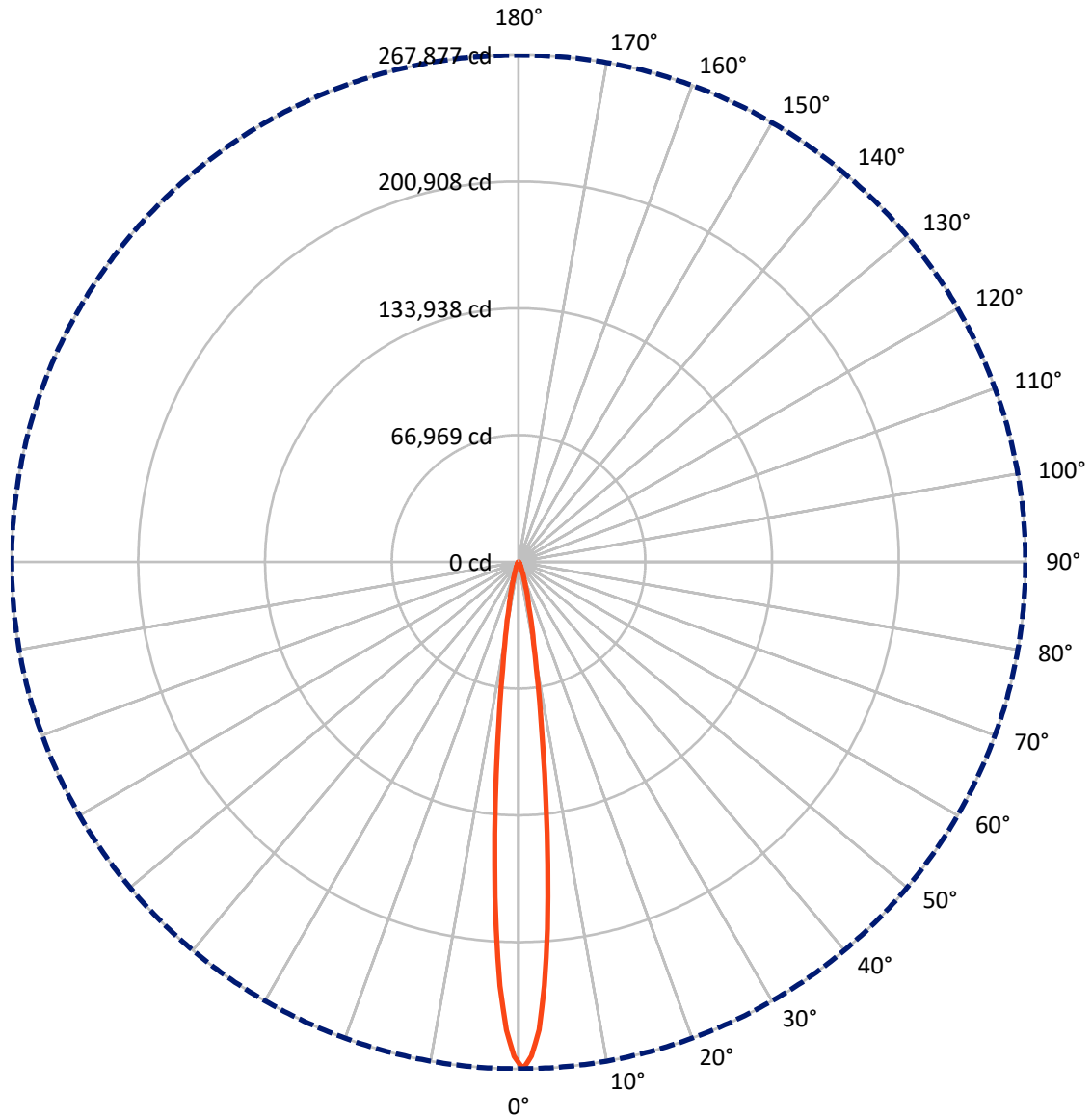
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 669.7 fc
 Type V - Short - N/A

REPORT NUMBER: P636001
CATALOG NUMBER: IFLD-M-SA4D-927-U-22-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636001
 CATALOG NUMBER: IFLD-M-SA4D-927-U-22-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9410.0	0.0	9410.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9410.0	0.0	9410.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18819.9	0.0	18819.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11472.2	61.0
10°-20°	5139.6	27.3
20°-30°	1147.8	6.1
30°-40°	374.6	2.0
40°-50°	258.4	1.4
50°-60°	195.2	1.0
60°-70°	133.6	0.7
70°-80°	70.3	0.4
80°-90°	28.1	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°	18819.9	100.0
0°-180°	18819.9	100.0

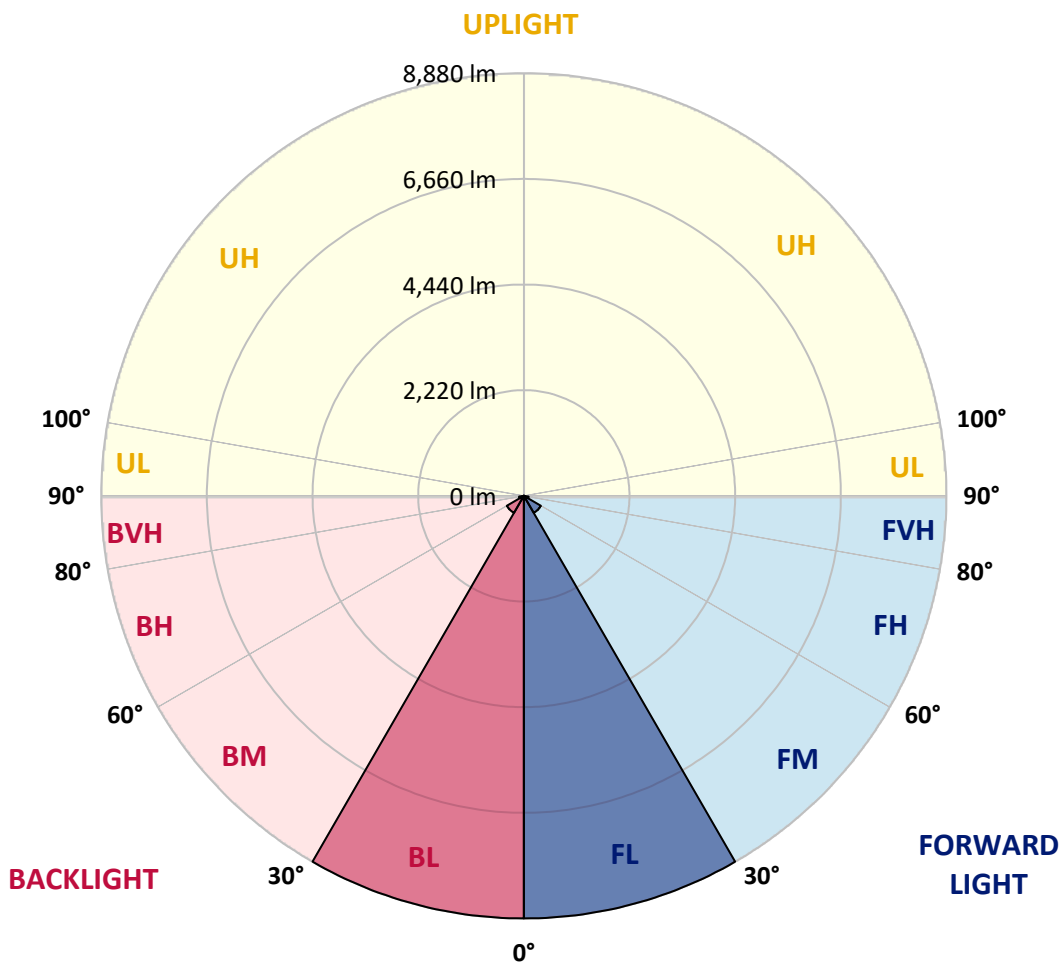


REPORT NUMBER: P636001
 CATALOG NUMBER: IFLD-M-SA4D-927-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8879.8	47.2			
FM (30°-60°)	414.1	2.2			
FH (60°-80°)	102.0	0.5			G0/660
FVH (80°-90°)	14.0	0.1			G1/100
BL (0°-30°)	8879.8	47.2	B5		
BM (30°-60°)	414.1	2.2	B1/1000		
BH (60°-80°)	102.0	0.5	B0/110		G0/660
BVH (80°-90°)	14.0	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: P636001
 CATALOG NUMBER: IFLD-M-SA4D-927-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	267876.7	267876.7	267876.7	267876.7	267876.7	267876.7	267876.7	267876.7	267876.7	267876.7
1°	261225.9	261581.2	261185.7	263183.6	264008.2	264437.3	264487.6	265613.9	264745.7	264987.1
2°	247458.5	248249.6	246925.5	248206.0	250767.1	251735.9	250157.0	252108.0	251410.7	251816.3
3°	224325.0	225293.8	223463.5	225029.0	228324.2	229061.7	226473.8	229246.0	229175.7	229758.9
4°	194507.3	196079.5	193464.8	195318.6	196776.8	199344.5	196837.1	199991.5	199931.2	200943.5
5°	160660.3	162359.9	160087.1	162011.2	163392.3	164347.7	163429.2	166918.8	167140.1	168186.0
6°	127540.7	129126.3	126588.7	128425.7	130614.6	131006.8	130768.8	133772.4	134439.5	133624.9
7°	98155.4	98551.0	98152.1	99821.4	101578.0	101641.7	101950.1	104591.6	105178.2	104896.7
8°	75172.8	73362.6	74918.0	75803.0	76346.1	78840.1	79024.5	80355.3	81434.7	81511.8
9°	57221.8	55545.7	57345.9	57697.9	58944.9	61160.7	60882.4	62337.3	63014.4	62970.8
10°	43625.4	42773.9	43675.7	44064.5	45090.3	46967.5	47292.7	47959.7	48462.6	48791.1
12.5°	23673.1	23870.9	24393.9	24802.8	26183.9	26683.4	26884.5	26941.5	26938.2	26991.8
15°	14706.0	14867.0	15232.3	15973.2	16814.6	17434.7	17521.9	17200.1	16921.8	16878.3
17.5°	9171.6	9107.9	9966.1	10777.3	11789.6	12111.5	11776.2	11407.5	11028.7	10810.8
20°	5504.3	5547.9	5839.5	6201.5	7019.5	7575.9	7227.3	6851.9	6459.7	6201.5
22.5°	3127.6	3174.5	3301.9	3489.6	3801.4	4307.6	4086.3	3707.5	3429.3	3315.3
25°	1847.1	1847.1	1924.2	2008.0	2138.7	2256.0	2209.1	2008.0	1843.7	1796.8
27.5°	1196.7	1186.7	1213.5	1253.7	1314.1	1320.8	1267.1	1206.8	1123.0	1092.8
30°	874.9	878.3	874.9	891.7	888.3	864.9	831.3	834.7	801.2	797.8
32.5°	710.7	714.0	714.0	710.7	693.9	657.0	633.6	657.0	650.3	643.6
35°	590.0	593.3	626.9	623.5	596.7	556.5	539.7	566.5	586.6	556.5
37.5°	509.5	512.9	539.7	553.1	519.6	492.8	472.7	496.1	526.3	492.8
40°	449.2	452.5	459.2	462.6	445.8	432.4	422.4	429.1	442.5	425.7
42.5°	395.6	392.2	395.6	392.2	372.1	378.8	372.1	362.0	372.1	358.7
45°	345.3	345.3	345.3	335.2	315.1	328.5	321.8	311.8	315.1	305.0
47.5°	315.1	315.1	315.1	301.7	284.9	284.9	288.3	271.5	274.9	271.5
50°	284.9	284.9	291.6	278.2	264.8	254.8	258.1	244.7	248.1	244.7
52.5°	261.5	261.5	261.5	254.8	244.7	238.0	231.3	224.6	221.2	217.9
55°	251.4	251.4	248.1	227.9	224.6	217.9	204.5	201.1	194.4	191.1
57.5°	234.7	234.7	231.3	214.5	201.1	201.1	181.0	177.7	167.6	167.6
60°	207.8	207.8	204.5	201.1	184.4	174.3	160.9	154.2	144.1	140.8
62.5°	197.8	197.8	191.1	174.3	171.0	154.2	140.8	127.4	120.7	114.0
65°	184.4	181.0	177.7	160.9	147.5	137.4	120.7	103.9	97.2	83.8
67.5°	164.3	164.3	160.9	147.5	134.1	117.3	100.6	87.2	70.4	60.3
70°	144.1	140.8	140.8	127.4	117.3	103.9	80.5	67.0	50.3	40.2
72.5°	120.7	120.7	117.3	107.3	100.6	90.5	70.4	53.6	33.5	26.8
75°	97.2	97.2	93.9	87.2	83.8	73.7	60.3	46.9	26.8	13.4
77.5°	80.5	77.1	77.1	70.4	67.0	60.3	50.3	36.9	20.1	10.1
80°	60.3	60.3	63.7	60.3	53.6	50.3	43.6	33.5	16.8	6.7
82.5°	43.6	43.6	46.9	46.9	46.9	43.6	43.6	33.5	16.8	3.4
85°	30.2	30.2	36.9	33.5	33.5	36.9	53.6	43.6	13.4	3.4
87.5°	16.8	16.8	16.8	13.4	13.4	16.8	20.1	16.8	6.7	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
267876.7
263213.8
250368.2
228193.5
199166.9
166188.0
133708.7
104511.2
80539.7
63996.6
48985.5
27035.4
16744.2
10777.3
6258.5
3328.7
1790.1
1092.8
794.5
630.2
549.8
489.4
419.0
358.7
305.0
271.5
244.7
217.9
187.7
167.6
134.1
110.6
80.5
60.3
40.2
23.5
13.4
6.7
3.4
3.4
3.4
3.4
0.0

OF REPORT)