

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: P636143

Luminaire Tested: **IFLD-M-SA4A-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636143
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11188.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

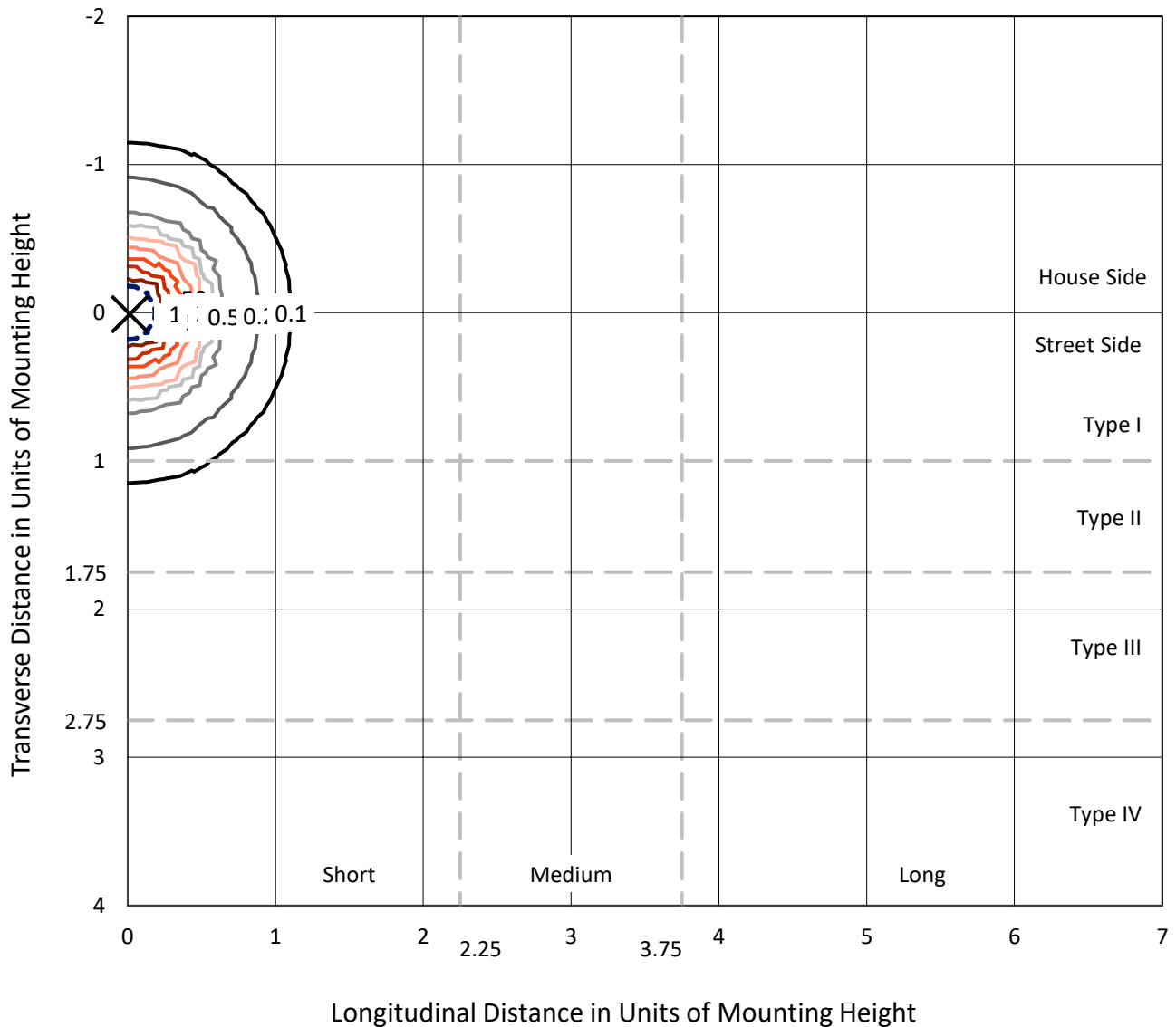
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636143
 CATALOG NUMBER: IFLD-M-SA4A-927-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

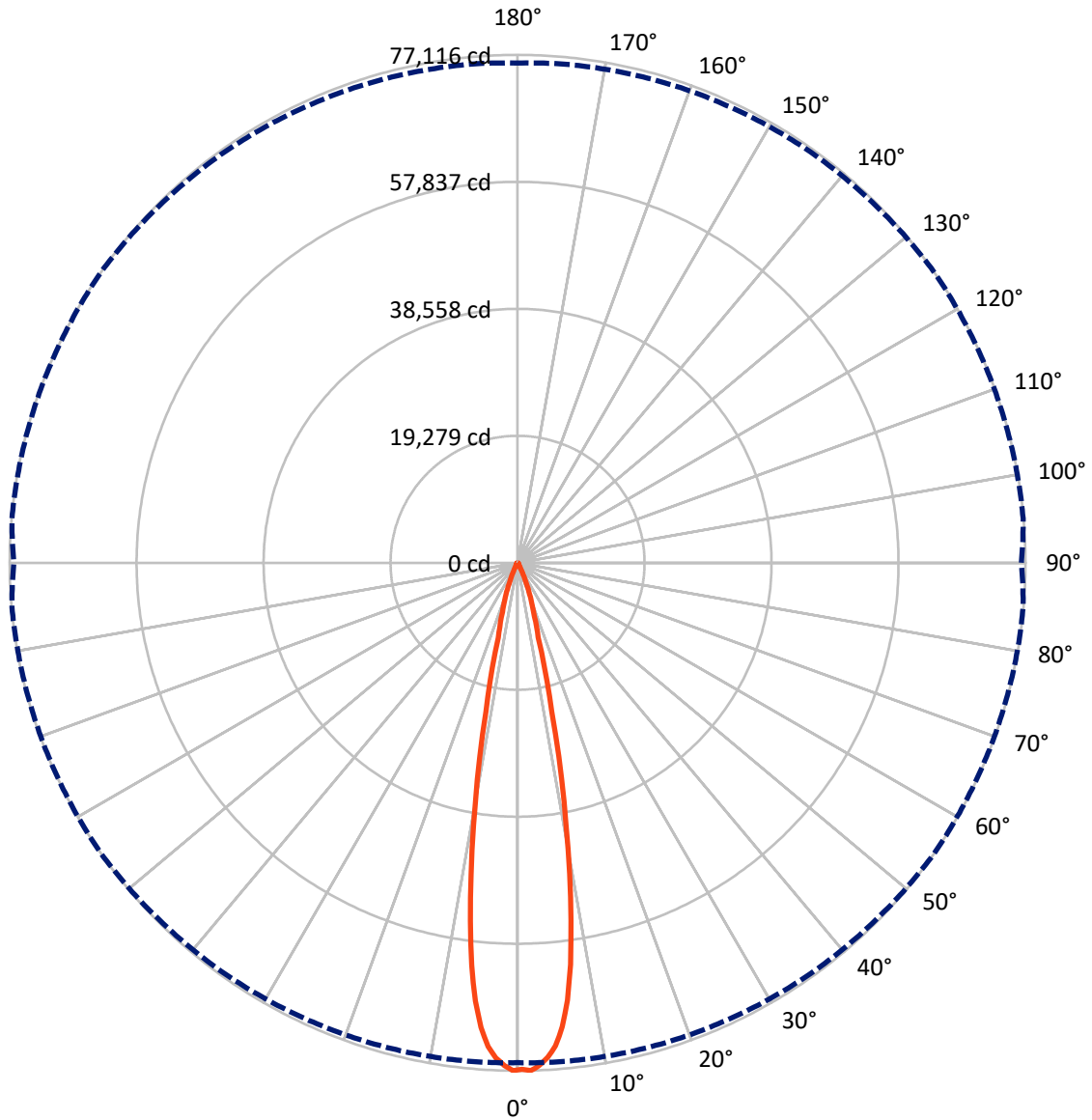
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 192.3 fc
 Type V - Short - N/A

REPORT NUMBER: P636143
CATALOG NUMBER: IFLD-M-SA4A-927-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636143
 CATALOG NUMBER: IFLD-M-SA4A-927-U-33-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5594.3	0.0	5594.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5594.3	0.0	5594.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11188.6	0.0	11188.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5684.7	50.8
10°-20°	4028.8	36.0
20°-30°	944.0	8.4
30°-40°	197.3	1.8
40°-50°	127.3	1.1
50°-60°	94.3	0.8
60°-70°	64.1	0.6
70°-80°	34.2	0.3
80°-90°	14.0	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°	11188.6	100.0
0°-180°	11188.6	100.0

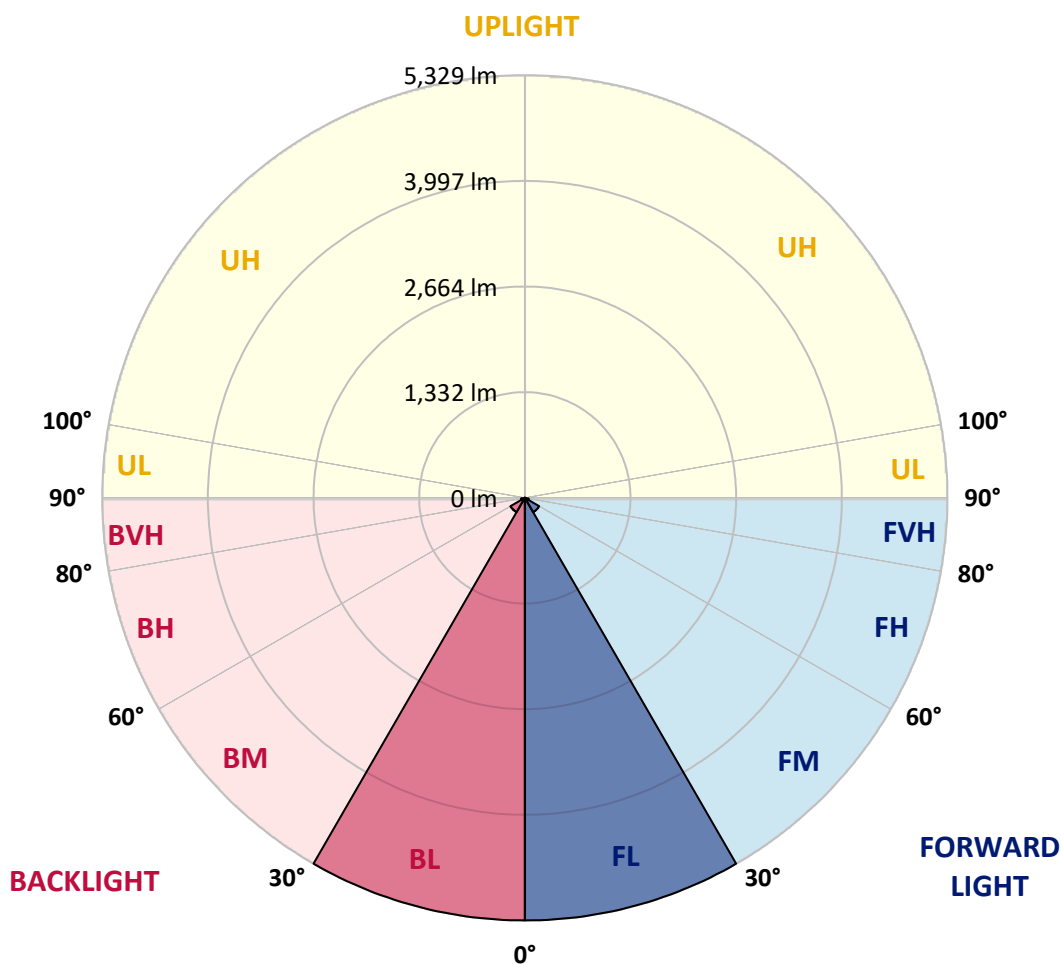


REPORT NUMBER: P636143
 CATALOG NUMBER: IFLD-M-SA4A-927-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5328.7	47.6			
FM (30°-60°)	209.4	1.9			
FH (60°-80°)	49.1	0.4			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	5328.7	47.6	B5		
BM (30°-60°)	209.4	1.9	B0/220		
BH (60°-80°)	49.1	0.4	B0/110		G0/660
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





REPORT NUMBER: P636143
 CATALOG NUMBER: IFLD-M-SA4A-927-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	76917.6	76917.6	76917.6	76917.6	76917.6	76917.6	76917.6	76917.6	76917.6	76917.6
1°	75882.8	76023.2	76195.4	76351.7	76587.2	76779.1	77115.5	77044.2	77034.4	77048.2
2°	74412.6	74588.7	74853.8	75010.2	75617.6	75866.9	76375.5	76525.8	76405.1	76541.7
3°	72210.3	72354.8	72770.3	73077.0	73864.5	74537.2	75217.9	75443.5	75303.0	75366.3
4°	69588.5	69736.9	70239.5	70864.8	72002.5	72748.5	73563.7	73765.6	73306.5	73338.2
5°	66468.2	66537.4	67152.8	67722.6	69084.0	69988.2	70761.9	70825.2	70405.7	70245.5
6°	62958.0	62833.3	63399.2	63640.6	65332.4	66254.5	66820.4	66747.1	66428.6	66292.0
7°	58786.9	58616.7	59073.8	58943.2	60441.1	60967.4	61511.5	61262.2	61008.9	61323.6
8°	53960.9	53865.9	53571.1	54105.3	54402.1	54873.0	54871.1	54726.6	54718.7	55243.0
9°	46944.4	47821.0	47561.8	48121.7	48046.5	48024.8	47880.3	47787.3	47391.6	47995.1
10°	39239.4	39813.2	40250.5	41085.5	40923.3	41152.8	40349.4	40486.0	40222.8	40721.4
12.5°	20311.3	20956.3	21334.2	21971.4	22671.8	23388.1	23156.6	22917.2	22559.0	22998.3
15°	9998.3	10253.6	10374.3	11021.3	11519.9	11700.0	11727.7	11516.0	11425.0	11519.9
17.5°	6135.9	6225.0	6575.2	7319.2	7750.5	7857.4	7788.1	7556.6	7297.4	7188.6
20°	4442.2	4467.9	4600.5	4744.9	5320.7	5621.5	5510.7	5283.1	5043.7	4930.9
22.5°	2900.8	2926.5	2970.0	3049.2	3203.5	3575.5	3454.8	3300.5	3138.2	3104.6
25°	1642.3	1642.3	1687.8	1768.9	1883.7	1911.4	1935.2	1770.9	1695.7	1662.1
27.5°	916.1	922.1	932.0	963.6	1021.0	1015.1	989.3	945.8	894.4	840.9
30°	506.5	512.5	518.4	526.3	536.2	518.4	502.6	494.7	472.9	467.0
32.5°	379.9	379.9	383.9	381.9	372.0	350.2	340.3	352.2	350.2	340.3
35°	312.6	312.6	316.6	324.5	304.7	288.9	281.0	296.8	296.8	290.9
37.5°	255.3	257.2	259.2	269.1	263.2	245.4	243.4	247.3	249.3	247.3
40°	223.6	221.6	221.6	223.6	219.6	215.7	211.7	209.7	211.7	209.7
42.5°	193.9	191.9	195.9	191.9	184.0	186.0	186.0	180.1	182.0	178.1
45°	170.2	168.2	170.2	166.2	160.3	162.3	162.3	154.3	154.3	152.4
47.5°	150.4	150.4	150.4	152.4	142.5	140.5	142.5	140.5	134.6	132.6
50°	130.6	132.6	134.6	138.5	128.6	124.7	124.7	124.7	120.7	118.7
52.5°	120.7	122.7	122.7	122.7	116.7	112.8	112.8	110.8	108.8	106.8
55°	116.7	116.7	116.7	108.8	106.8	104.9	98.9	97.0	95.0	95.0
57.5°	110.8	110.8	108.8	102.9	97.0	97.0	89.0	87.1	85.1	85.1
60°	98.9	98.9	98.9	97.0	89.0	87.1	79.1	75.2	73.2	73.2
62.5°	91.0	91.0	91.0	83.1	81.1	75.2	69.3	63.3	61.3	57.4
65°	83.1	83.1	83.1	75.2	71.2	65.3	57.4	51.4	47.5	41.6
67.5°	77.2	77.2	75.2	69.3	63.3	55.4	47.5	41.6	33.6	29.7
70°	67.3	67.3	65.3	61.3	55.4	49.5	39.6	31.7	25.7	19.8
72.5°	57.4	57.4	55.4	51.4	47.5	41.6	33.6	27.7	17.8	13.9
75°	47.5	47.5	45.5	41.6	39.6	35.6	29.7	21.8	13.9	5.9
77.5°	39.6	39.6	37.6	35.6	33.6	29.7	25.7	17.8	9.9	4.0
80°	29.7	31.7	31.7	31.7	27.7	25.7	23.7	17.8	7.9	2.0
82.5°	21.8	23.7	23.7	23.7	21.8	19.8	21.8	15.8	7.9	2.0
85°	15.8	15.8	17.8	17.8	17.8	17.8	23.7	17.8	5.9	2.0
87.5°	7.9	7.9	7.9	7.9	7.9	9.9	11.9	9.9	4.0	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°
76917.6
76496.2
76023.2
74891.4
72867.2
69911.1
65985.4
61226.6
53788.7
46869.2
39443.2
21809.1
11076.7
7036.2
4843.8
3035.3
1634.4
842.9
467.0
334.4
288.9
247.3
211.7
180.1
152.4
132.6
116.7
104.9
93.0
85.1
71.2
53.4
41.6
27.7
19.8
11.9
5.9
2.0
2.0
2.0
2.0
0.0
0.0

OF REPORT)