

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: P636294

Luminaire Tested: **IFLD-L-SA7B-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636294
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21078.2 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

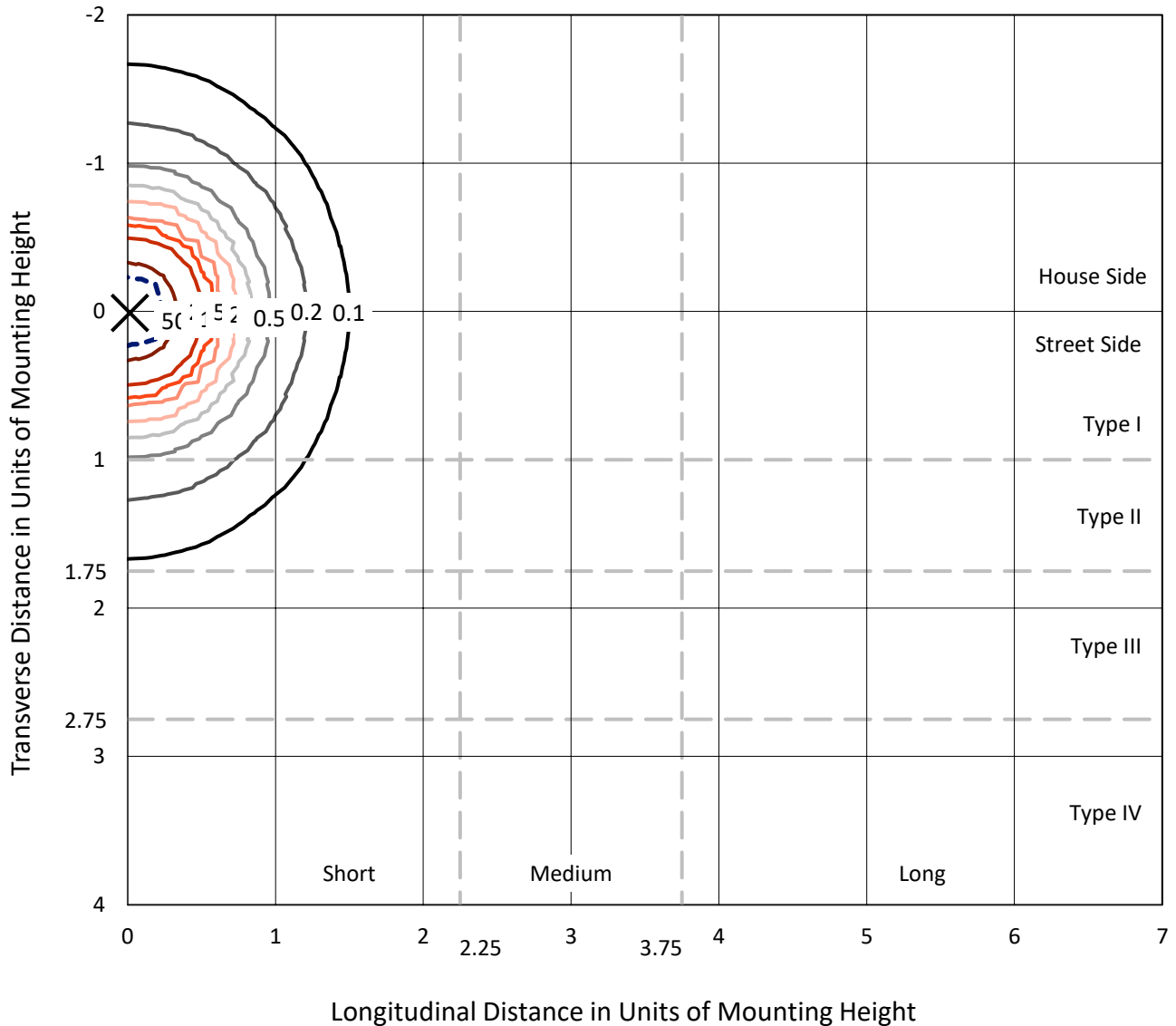
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636294
 CATALOG NUMBER: IFLD-L-SA7B-927-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

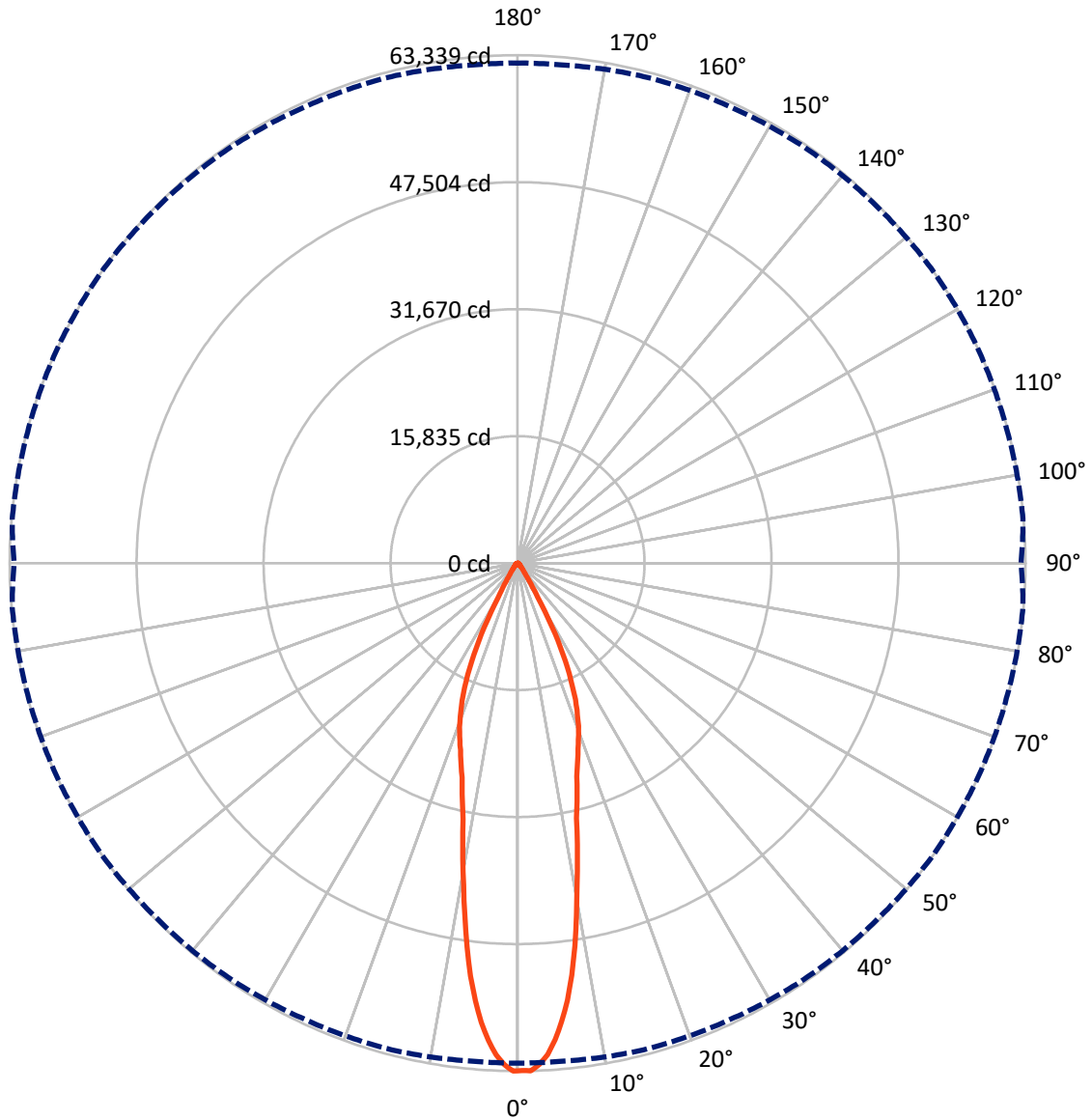
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 158.2 fc
 Type V - Short - N/A

REPORT NUMBER: P636294
CATALOG NUMBER: IFLD-L-SA7B-927-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636294

CATALOG NUMBER: IFLD-L-SA7B-927-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10539.1	0.0	10539.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10539.1	0.0	10539.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21078.2	0.0	21078.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4813.7	22.8
10°-20°	7862.0	37.3
20°-30°	6143.6	29.1
30°-40°	1339.1	6.4
40°-50°	396.5	1.9
50°-60°	248.0	1.2
60°-70°	173.4	0.8
70°-80°	74.4	0.4
80°-90°	27.5	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°	21078.2	100.0
0°-180°	21078.2	100.0



REPORT NUMBER: P636294

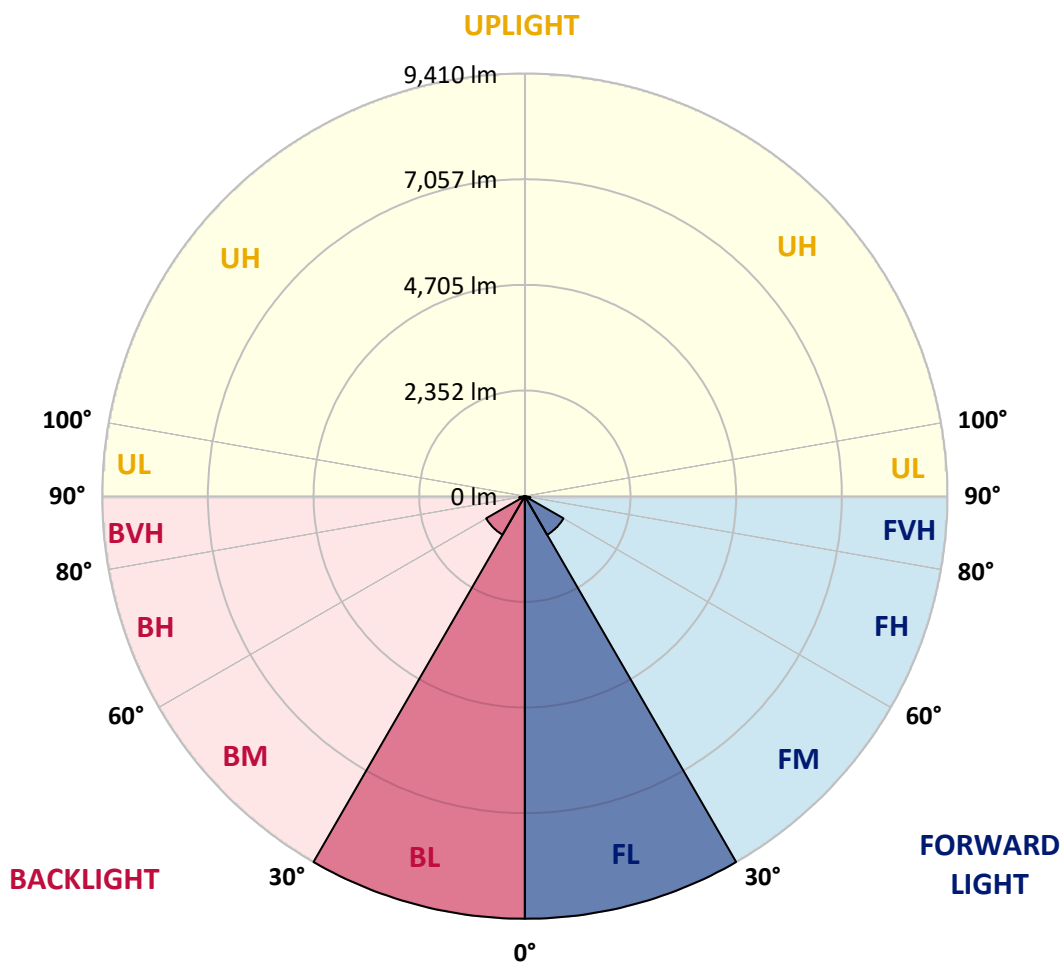
CATALOG NUMBER: IFLD-L-SA7B-927-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9409.7	44.6			
FM (30°-60°)	991.8	4.7			
FH (60°-80°)	123.9	0.6			G0/660
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	9409.7	44.6	B5		
BM (30°-60°)	991.8	4.7	B1/1000		
BH (60°-80°)	123.9	0.6	B1/500		G0/660
BVH (80°-90°)	13.7	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: P636294
 CATALOG NUMBER: IFLD-L-SA7B-927-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	63266.6	63266.6	63266.6	63266.6	63266.6	63266.6	63266.6	63266.6	63266.6	63266.6
1°	62350.8	62358.4	62698.0	62774.3	63007.1	63125.4	63339.1	63316.2	63251.3	63258.9
2°	61202.2	61152.6	61469.3	61820.4	62098.9	62327.9	62583.5	62636.9	62575.9	62633.1
3°	59313.3	59240.8	59683.5	60122.3	60606.9	60999.9	61385.3	61400.6	61328.1	61324.3
4°	56829.2	56695.7	57222.3	58004.5	58615.1	59137.8	59618.6	59611.0	59511.8	59591.9
5°	53826.2	53658.3	54341.3	55371.6	56275.9	56905.6	57436.0	57310.0	57081.1	57092.5
6°	50140.1	50304.2	51139.8	52586.0	53654.5	54177.2	54829.7	54593.2	54196.3	54154.3
7°	46675.3	47045.4	47713.2	49457.0	50727.7	51277.2	51830.5	51353.5	50815.5	50727.7
8°	43027.4	43645.5	44569.0	46175.4	47530.0	48083.3	48293.2	47781.9	47205.7	47182.8
9°	40070.1	40493.6	41287.3	42703.0	44080.5	44450.7	44496.5	44050.0	43473.8	43512.0
10°	37379.9	37460.1	38146.9	39364.2	40466.9	40730.2	40718.8	40394.4	39921.3	40047.2
12.5°	31358.5	31576.0	31774.5	32163.7	32533.8	32705.5	32640.7	32507.1	32247.6	32259.1
15°	27271.8	27268.0	27290.9	27470.2	27580.9	27599.9	27599.9	27432.0	27321.4	27485.5
17.5°	23665.8	23864.2	24219.1	24364.1	24509.1	24455.7	24356.5	24280.2	24207.7	24348.8
20°	20861.2	20948.9	20952.8	21048.1	21780.8	21818.9	21693.0	21475.5	21292.4	21258.0
22.5°	17705.5	17839.0	17896.3	17980.2	18056.5	18613.6	18464.8	18113.8	17896.3	17831.4
25°	13290.6	13244.8	13618.7	14305.6	14416.2	14484.9	14446.8	14263.6	14122.4	14149.1
27.5°	9184.7	9264.8	9249.6	9257.2	9986.0	9982.2	9970.8	9810.5	9768.5	9707.5
30°	5136.1	5098.0	5117.0	5067.4	4964.4	5090.3	4888.1	5059.8	4891.9	4945.3
32.5°	3037.4	3010.7	2984.0	2995.4	2919.1	2732.1	2652.0	2770.3	2732.1	2716.9
35°	1938.4	1949.9	1984.2	1980.4	1911.7	1804.9	1690.4	1797.3	1782.0	1736.2
37.5°	1236.3	1236.3	1247.8	1347.0	1289.8	1198.2	1118.0	1163.8	1160.0	1152.4
40°	877.6	877.6	892.9	919.6	889.1	843.3	797.5	797.5	805.1	782.2
42.5°	652.5	652.5	667.8	683.0	644.9	629.6	606.7	591.5	610.5	591.5
45°	511.3	507.5	511.3	503.7	480.8	480.8	461.7	438.8	461.7	450.3
47.5°	419.7	415.9	412.1	396.8	374.0	377.8	370.1	351.1	362.5	358.7
50°	366.3	358.7	362.5	347.2	328.2	324.3	324.3	305.3	309.1	309.1
52.5°	320.5	320.5	316.7	309.1	301.5	286.2	290.0	270.9	270.9	270.9
55°	301.5	301.5	293.8	278.6	282.4	270.9	259.5	248.0	244.2	244.2
57.5°	297.6	297.6	293.8	278.6	267.1	263.3	248.0	232.8	221.3	225.1
60°	290.0	290.0	282.4	278.6	259.5	251.8	229.0	217.5	202.2	202.2
62.5°	278.6	274.7	259.5	236.6	236.6	217.5	202.2	179.3	167.9	164.1
65°	236.6	232.8	221.3	202.2	190.8	179.3	156.4	133.6	125.9	114.5
67.5°	194.6	194.6	187.0	167.9	160.3	145.0	118.3	103.0	83.9	76.3
70°	160.3	160.3	152.6	141.2	133.6	114.5	91.6	76.3	57.2	49.6
72.5°	129.7	129.7	122.1	114.5	106.8	95.4	76.3	57.2	38.2	30.5
75°	103.0	103.0	99.2	91.6	83.9	76.3	61.1	45.8	26.7	15.3
77.5°	83.9	83.9	80.1	76.3	68.7	61.1	49.6	38.2	19.1	7.6
80°	64.9	64.9	64.9	64.9	57.2	49.6	42.0	30.5	15.3	3.8
82.5°	45.8	45.8	49.6	57.2	45.8	38.2	38.2	30.5	11.4	3.8
85°	30.5	34.3	38.2	34.3	30.5	30.5	53.4	49.6	11.4	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	11.4	15.3	11.4	7.6	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°
63266.6
62789.6
62182.9
60992.3
59214.1
56535.4
53597.2
50311.8
46347.1
42943.4
39604.6
31881.3
27103.9
24024.5
21036.7
17598.6
14057.5
9486.2
5010.2
2678.7
1686.6
1137.1
774.6
587.6
450.3
358.7
312.9
270.9
240.4
225.1
190.8
156.4
110.7
72.5
45.8
26.7
11.4
7.6
3.8
3.8
3.8
0.0
0.0

OF REPORT)