

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: P525837

Luminaire Tested: **IFLD-S-SA6B-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525837
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

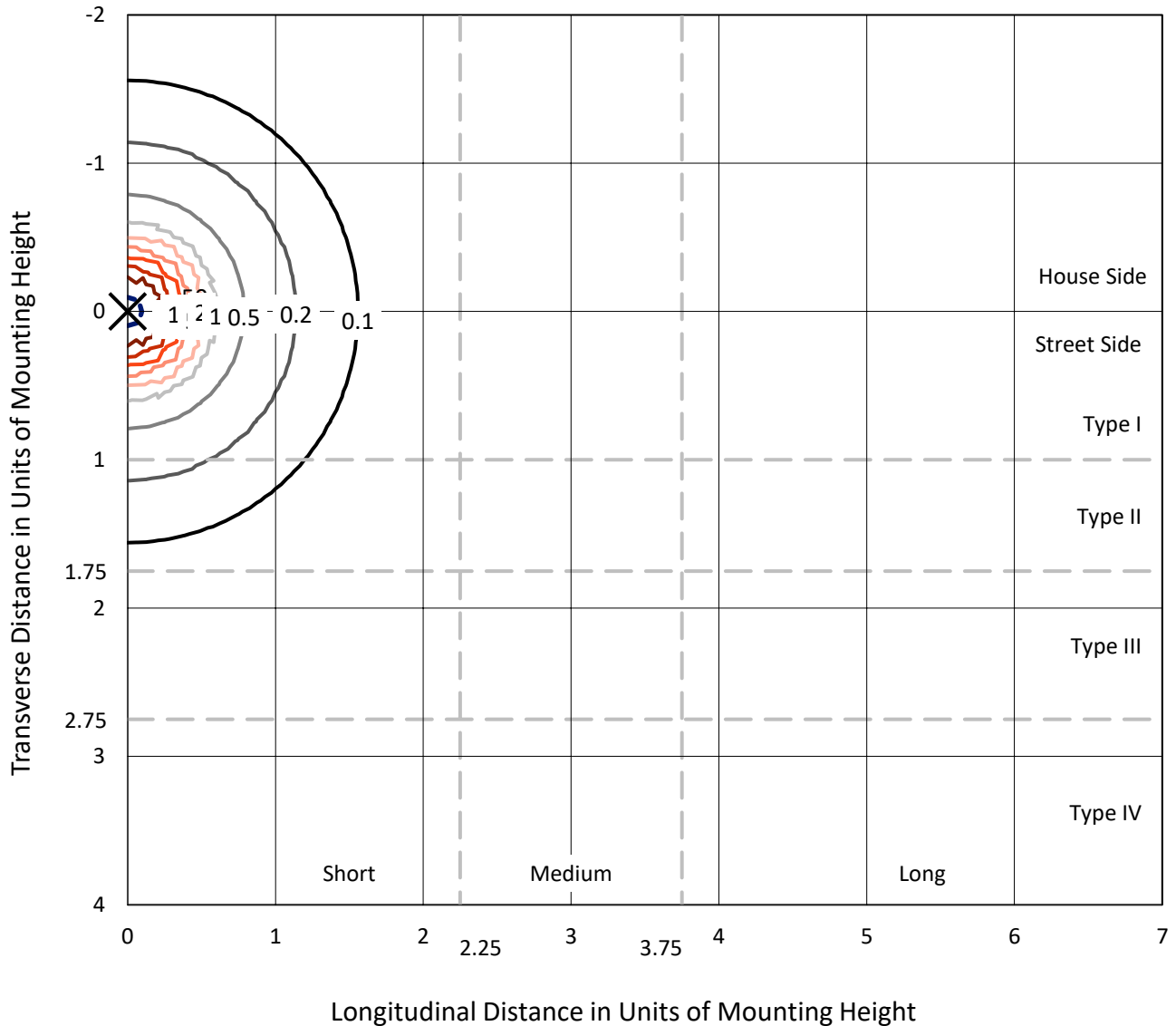
Lumens per Lamp: N/A
Luminaire Lumens: 21590.4 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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: 24 FT

REPORT NUMBER: P525837
 CATALOG NUMBER: IFLD-S-SA6B-927-U-22

Iso-Footcandle Lines of Horizontal Illumination

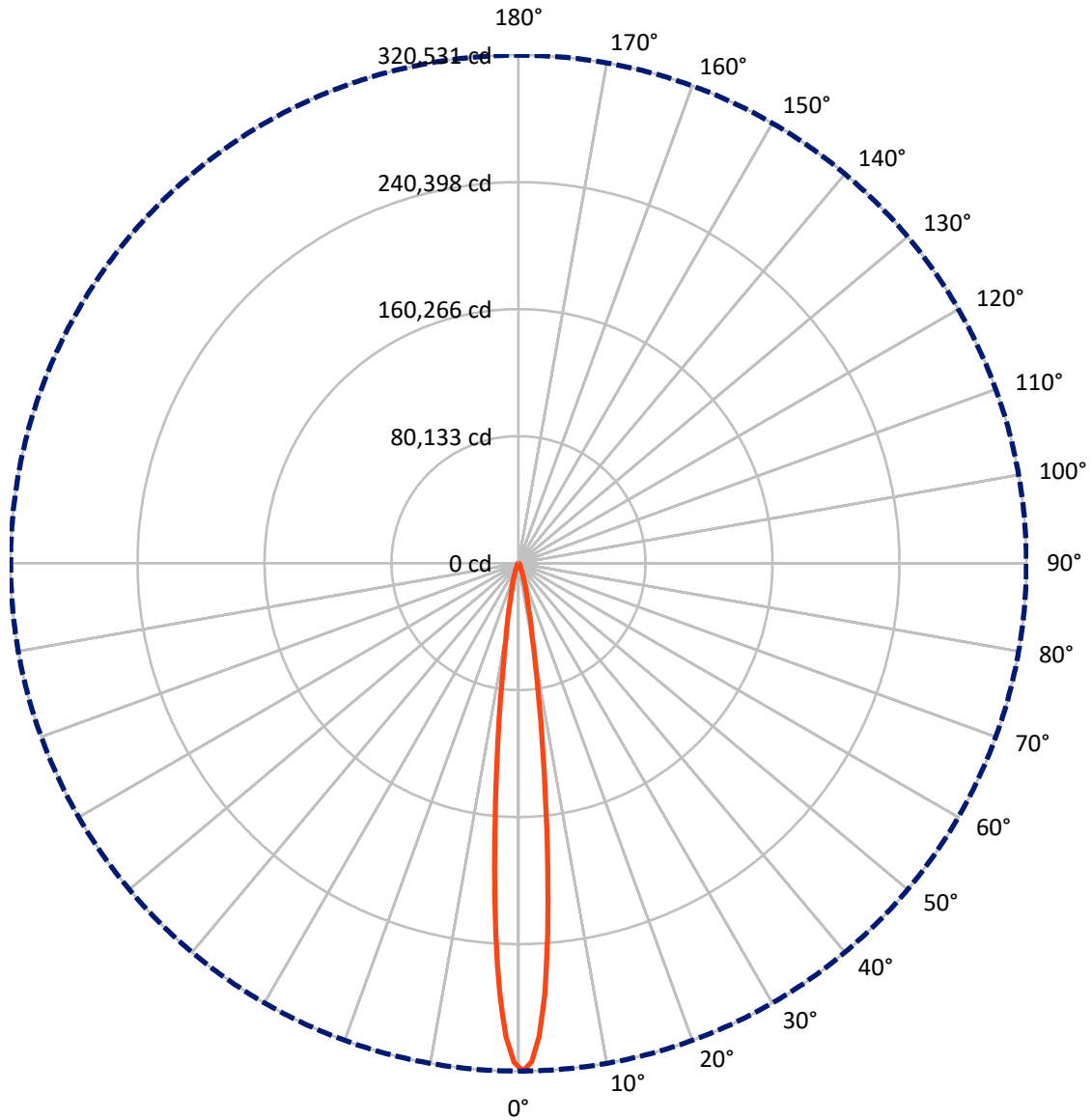
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 512.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525837
CATALOG NUMBER: IFLD-S-SA6B-927-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525837

CATALOG NUMBER: IFLD-S-SA6B-927-U-22

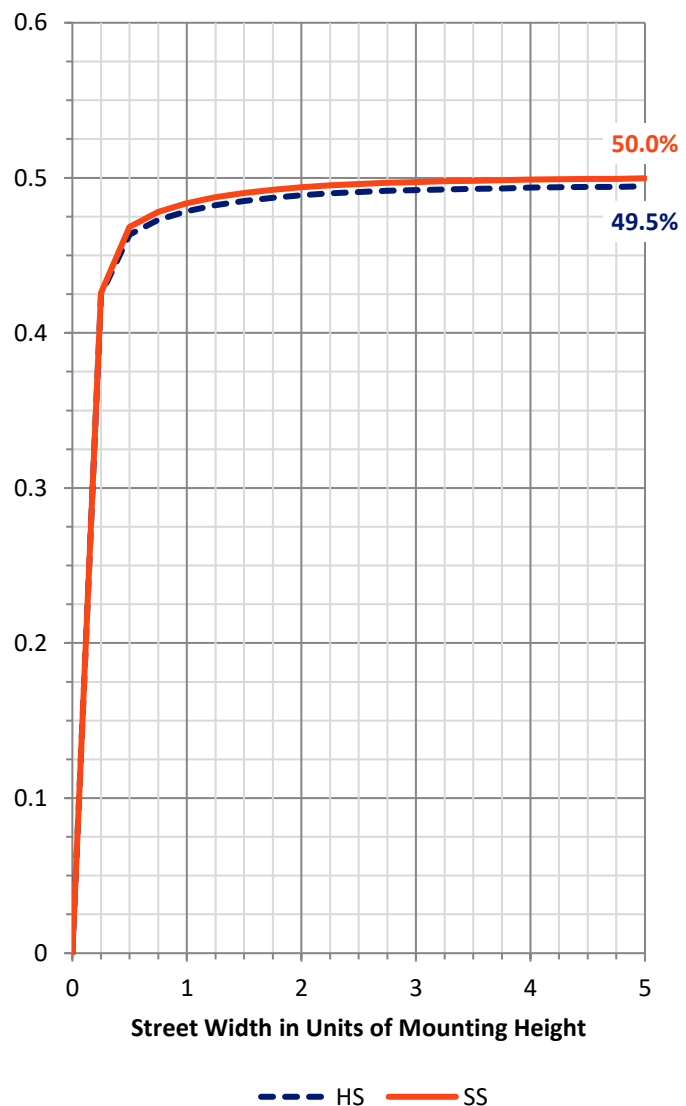
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10795.2	0.0	10795.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10795.2	0.0	10795.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21590.4	0.0	21590.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13247.4	61.4
10°-20°	5271.3	24.4
20°-30°	1215.4	5.6
30°-40°	461.4	2.1
40°-50°	376.6	1.7
50°-60°	361.7	1.7
60°-70°	346.5	1.6
70°-80°	229.4	1.1
80°-90°	80.6	0.4
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°	21590.4	100.0
0°-180°	21590.4	100.0

Coefficient of Utilization



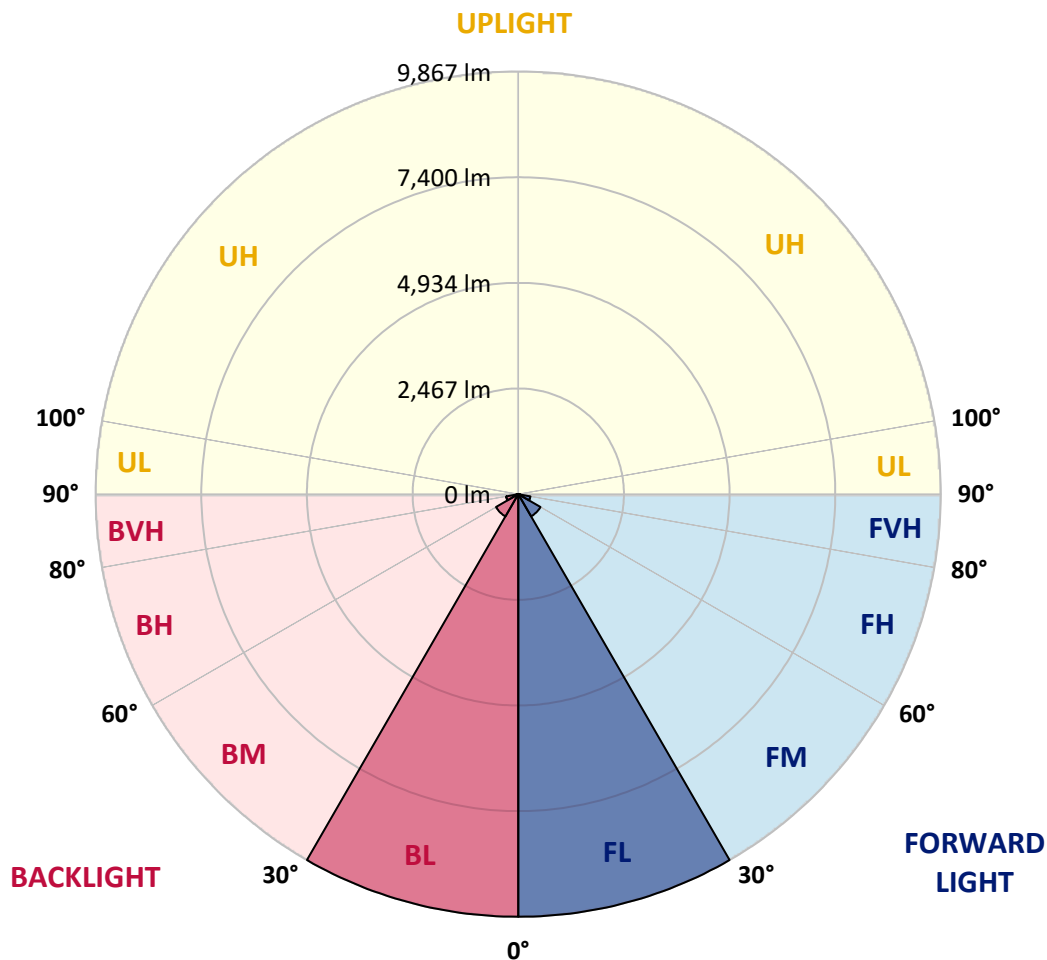
REPORT NUMBER: P525837
 CATALOG NUMBER: IFLD-S-SA6B-927-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9867.1	45.7			
FM (30°-60°)	599.9	2.8			
FH (60°-80°)	287.9	1.3			G0/660
FVH (80°-90°)	40.3	0.2			G1/100
BL (0°-30°)	9867.1	45.7	B5		
BM (30°-60°)	599.9	2.8	B1/1000		
BH (60°-80°)	287.9	1.3	B1/500		G0/660
BVH (80°-90°)	40.3	0.2			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: P525837
CATALOG NUMBER: IFLD-S-SA6B-927-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	320531.0
1°	314892.4
2°	299097.9
3°	271969.1
4°	234668.6
5°	192610.0
6°	151425.8
7°	116000.6
8°	86578.4
9°	64549.7
10°	48137.5
12.5°	26235.5
15°	16833.5
17.5°	11359.6
20°	6753.7
22.5°	3757.0
25°	2147.7
27.5°	1362.1
30°	982.0
32.5°	801.4
35°	712.7
37.5°	662.1
40°	595.5
42.5°	529.0
45°	472.0
47.5°	443.5
50°	424.5
52.5°	411.8
55°	402.3
57.5°	396.0
60°	383.3
62.5°	373.8
65°	354.8
67.5°	329.4
70°	297.8
72.5°	256.6
75°	215.4
77.5°	177.4
80°	142.5
82.5°	110.9
85°	82.4
87.5°	31.7
90°	0.0

(END OF REPORT)