

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: P525916

Luminaire Tested: **IFLD-S-SA6C-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525916
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

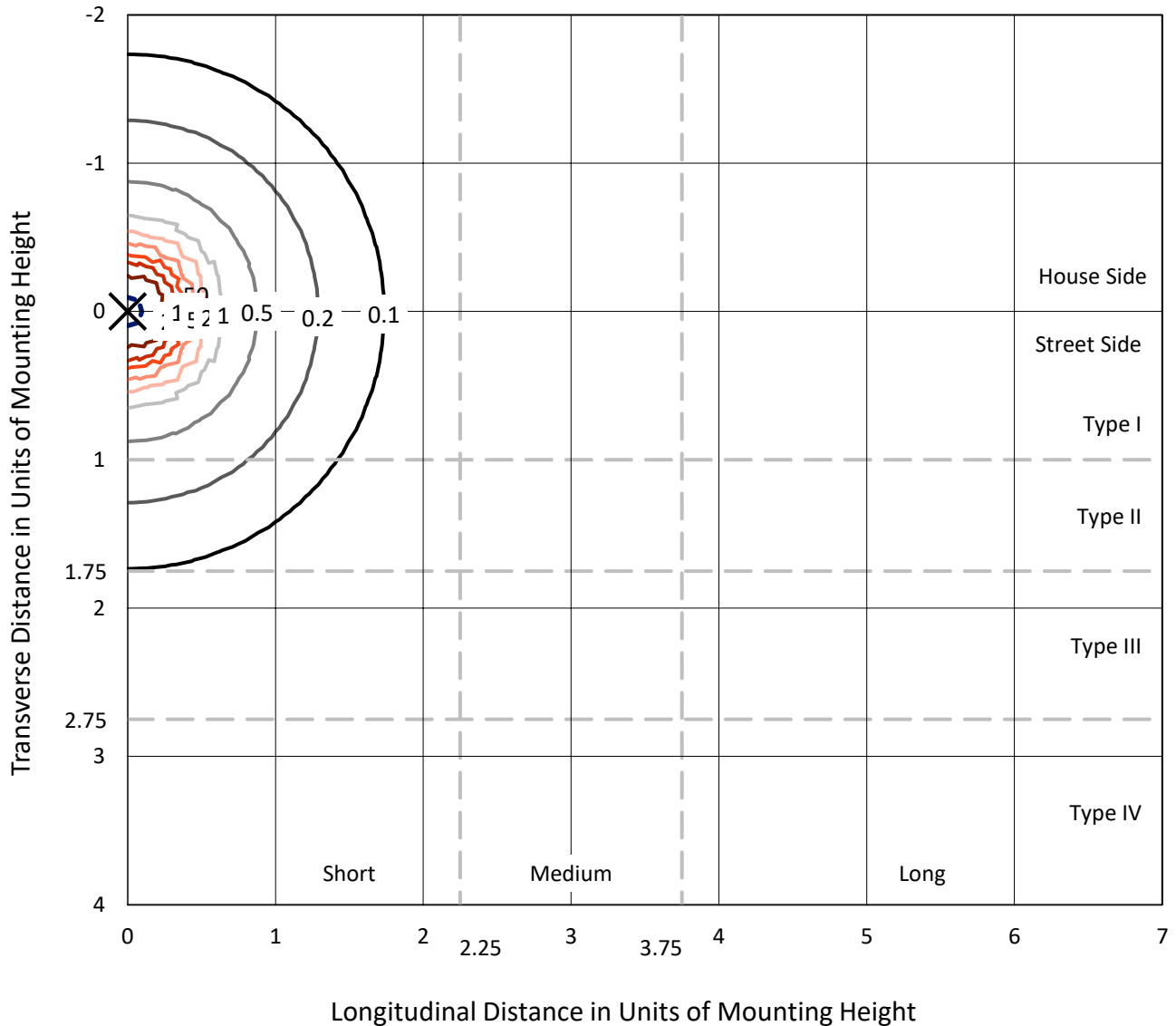
Lumens per Lamp: N/A
Luminaire Lumens: 28189.2 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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: P525916
 CATALOG NUMBER: IFLD-S-SA6C-935-U-22

Iso-Footcandle Lines of Horizontal Illumination

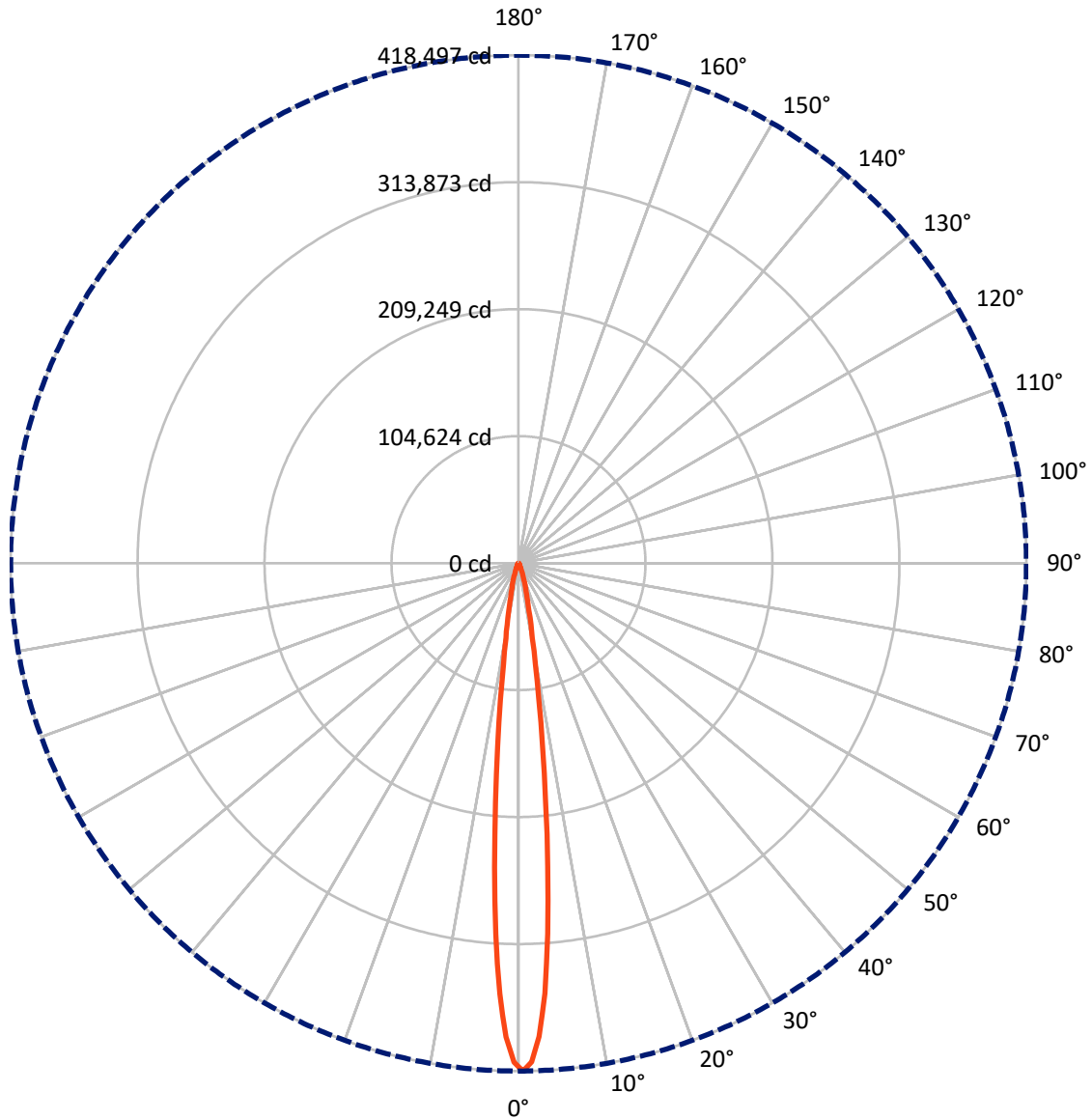
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 669.6 fc
 Type V - Short - N/A

REPORT NUMBER: P525916
CATALOG NUMBER: IFLD-S-SA6C-935-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525916

CATALOG NUMBER: IFLD-S-SA6C-935-U-22

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14094.6	0.0	14094.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14094.6	0.0	14094.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	28189.2	0.0	28189.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17296.3	61.4
10°-20°	6882.4	24.4
20°-30°	1586.9	5.6
30°-40°	602.5	2.1
40°-50°	491.7	1.7
50°-60°	472.2	1.7
60°-70°	452.4	1.6
70°-80°	299.5	1.1
80°-90°	105.2	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°	28189.2	100.0
0°-180°	28189.2	100.0

Coefficient of Utilization



REPORT NUMBER: P525916

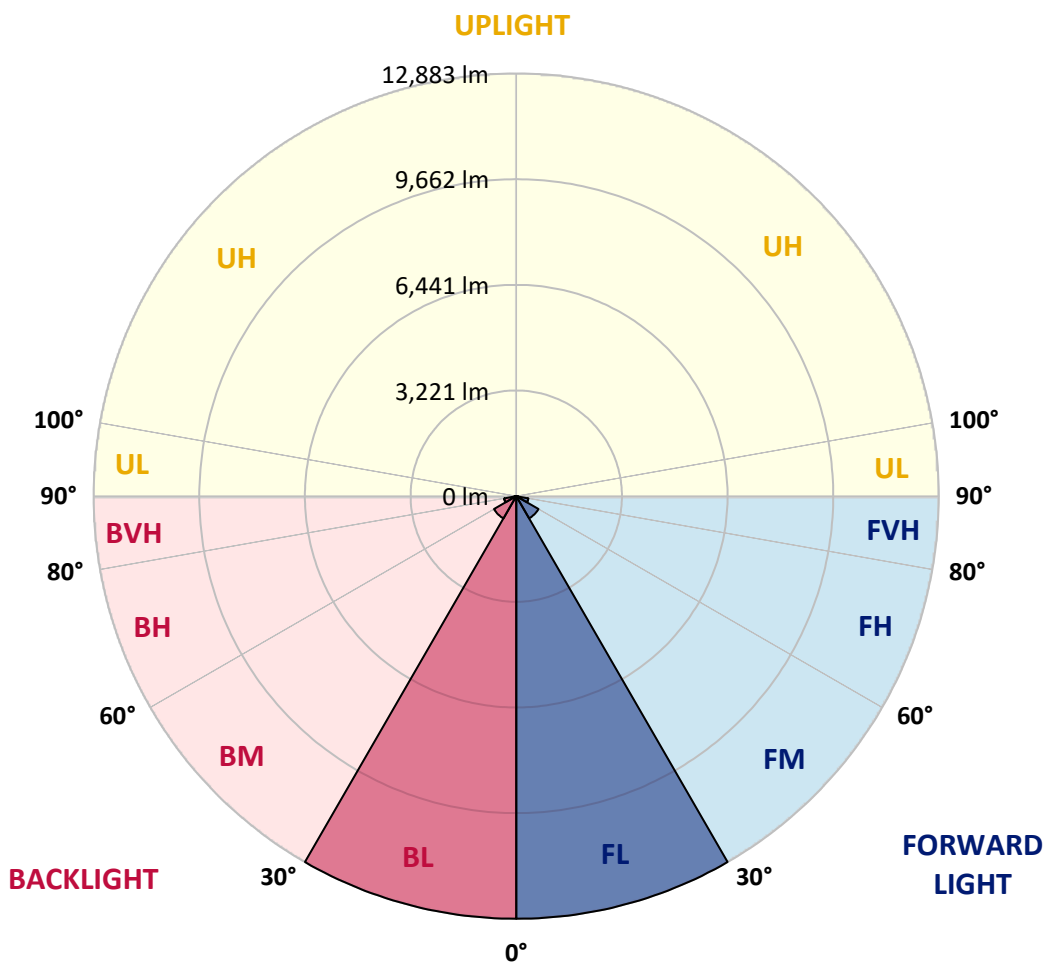
CATALOG NUMBER: IFLD-S-SA6C-935-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12882.8	45.7			
FM (30°-60°)	783.2	2.8			
FH (60°-80°)	375.9	1.3			G0/660
FVH (80°-90°)	52.6	0.2			G1/100
BL (0°-30°)	12882.8	45.7	B5		
BM (30°-60°)	783.2	2.8	B1/1000		
BH (60°-80°)	375.9	1.3	B1/500		G0/660
BVH (80°-90°)	52.6	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: P525916
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CANDELA DISTRIBUTION (FULL):

	0°
0°	418497.2
1°	411135.2
2°	390513.3
3°	355092.9
4°	306392.0
5°	251478.8
6°	197707.2
7°	151454.8
8°	113040.0
9°	84278.5
10°	62850.1
12.5°	34254.0
15°	21978.5
17.5°	14831.6
20°	8817.9
22.5°	4905.2
25°	2804.2
27.5°	1778.5
30°	1282.1
32.5°	1046.4
35°	930.6
37.5°	864.4
40°	777.6
42.5°	690.7
45°	616.3
47.5°	579.0
50°	554.2
52.5°	537.7
55°	525.3
57.5°	517.0
60°	500.5
62.5°	488.0
65°	463.2
67.5°	430.1
70°	388.8
72.5°	335.0
75°	281.2
77.5°	231.6
80°	186.1
82.5°	144.8
85°	107.5
87.5°	41.4
90°	0.0

(END OF REPORT)