

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: P525922

Luminaire Tested: **IFLD-M-SA4D-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525922
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

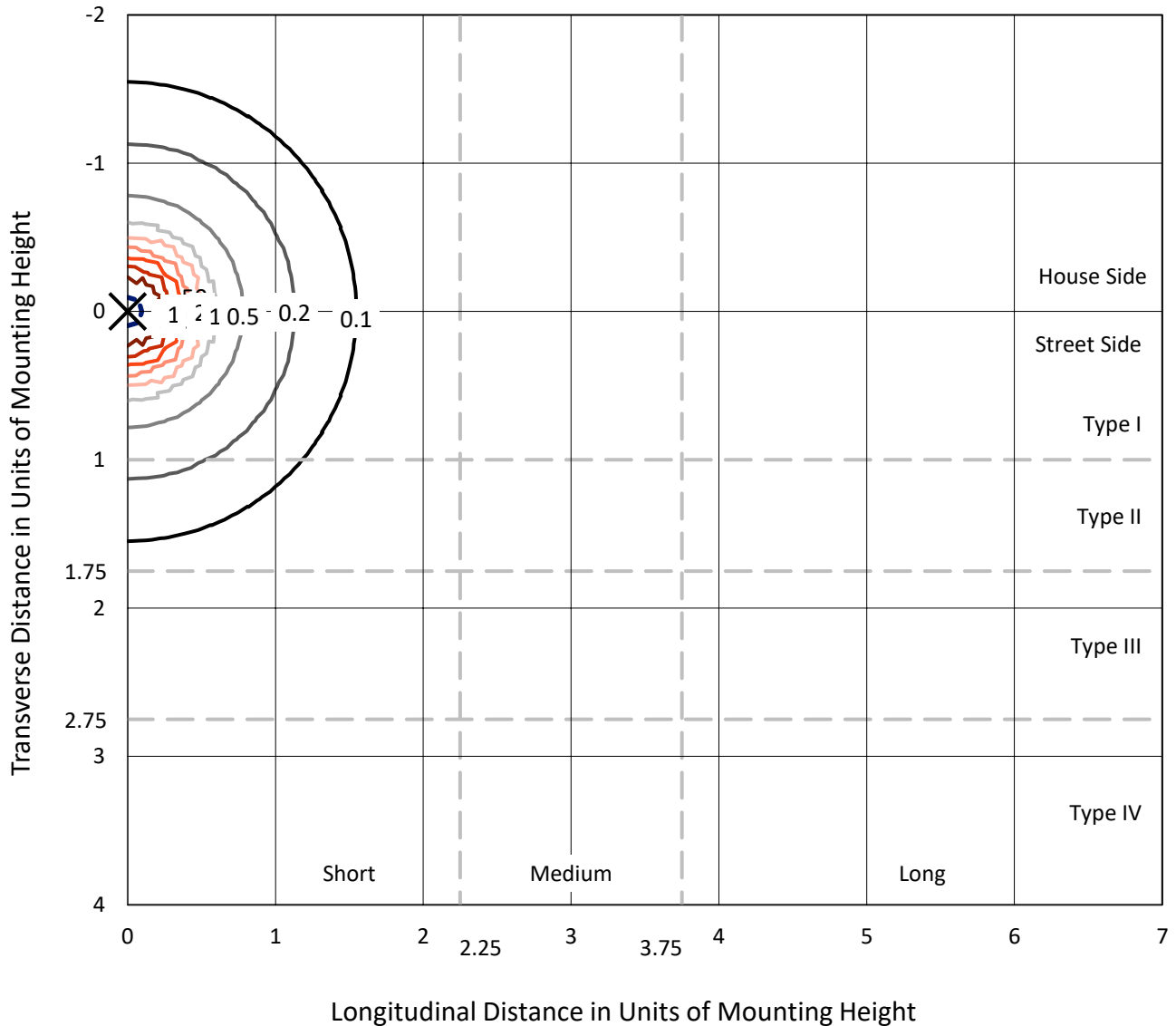
Lumens per Lamp: N/A
Luminaire Lumens: 21223.3 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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: 24 FT

REPORT NUMBER: P525922
 CATALOG NUMBER: IFLD-M-SA4D-935-U-22

Iso-Footcandle Lines of Horizontal Illumination

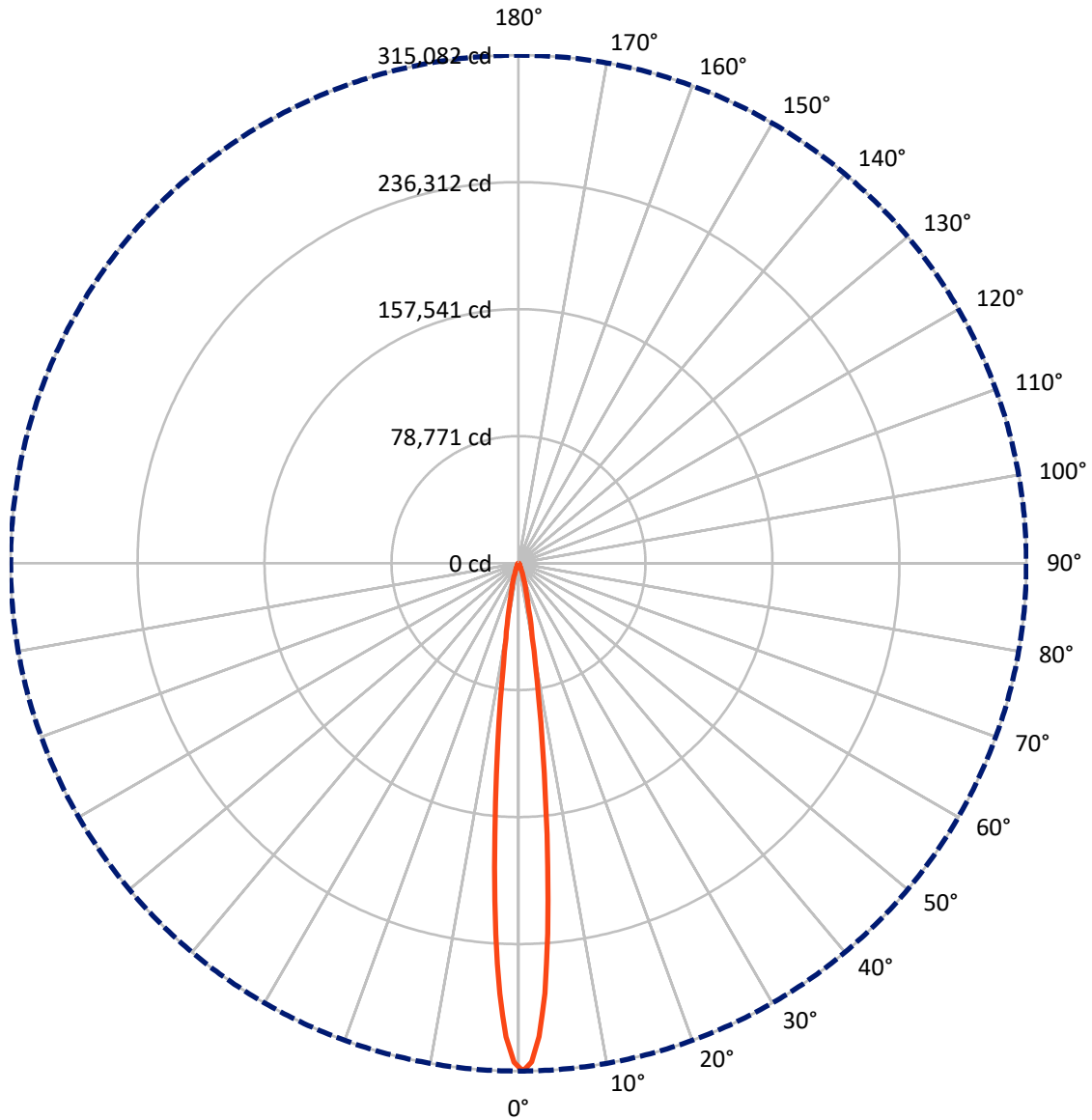
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 504.1 fc
 Type V - Short - N/A

REPORT NUMBER: P525922
CATALOG NUMBER: IFLD-M-SA4D-935-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525922

CATALOG NUMBER: IFLD-M-SA4D-935-U-22

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10611.7	0.0	10611.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10611.7	0.0	10611.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21223.3	0.0	21223.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13022.2	61.4
10°-20°	5181.7	24.4
20°-30°	1194.8	5.6
30°-40°	453.6	2.1
40°-50°	370.2	1.7
50°-60°	355.5	1.7
60°-70°	340.6	1.6
70°-80°	225.5	1.1
80°-90°	79.2	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°	21223.3	100.0
0°-180°	21223.3	100.0

Coefficient of Utilization



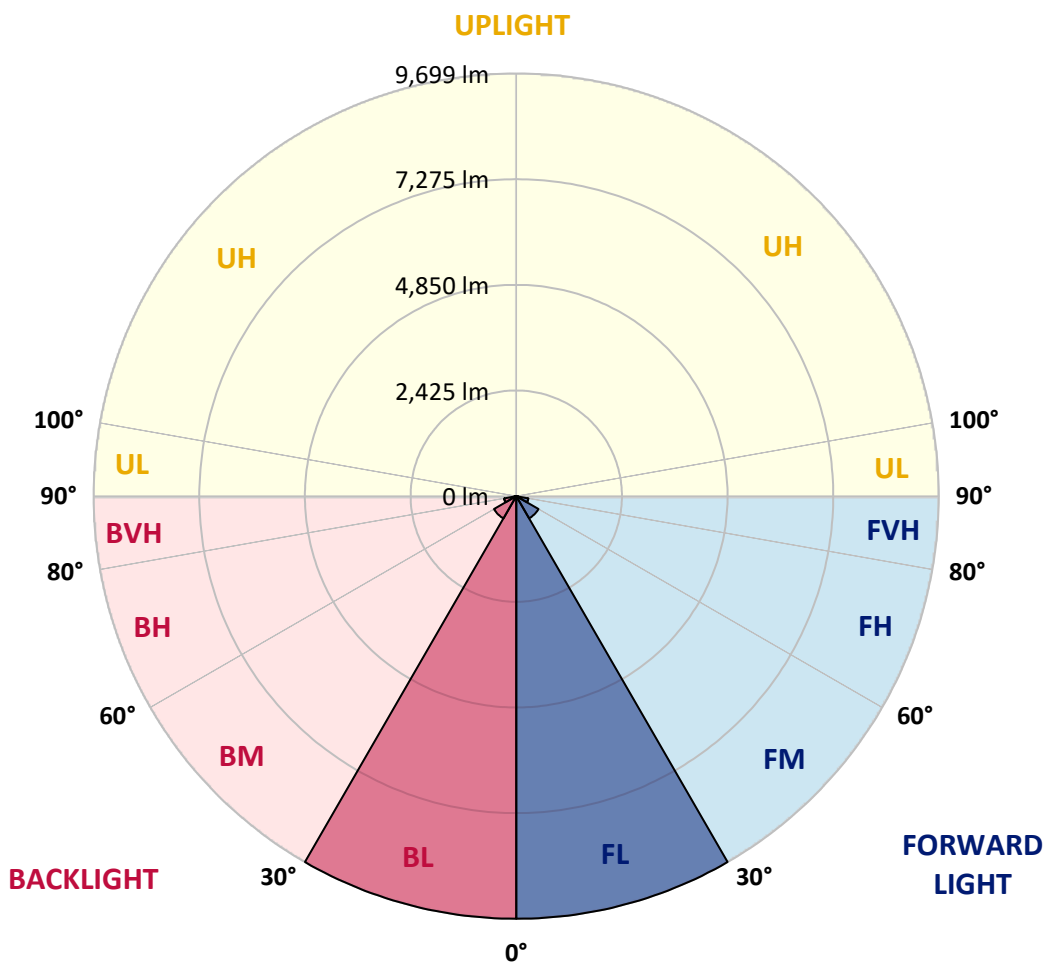
REPORT NUMBER: P525922
 CATALOG NUMBER: IFLD-M-SA4D-935-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9699.4	45.7			
FM (30°-60°)	589.7	2.8			
FH (60°-80°)	283.0	1.3			G0/660
FVH (80°-90°)	39.6	0.2			G1/100
BL (0°-30°)	9699.4	45.7	B5		
BM (30°-60°)	589.7	2.8	B1/1000		
BH (60°-80°)	283.0	1.3	B1/500		G0/660
BVH (80°-90°)	39.6	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: P525922
CATALOG NUMBER: IFLD-M-SA4D-935-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	315082.2
1°	309539.4
2°	294013.4
3°	267345.7
4°	230679.3
5°	189335.8
6°	148851.7
7°	114028.7
8°	85106.6
9°	63452.4
10°	47319.2
12.5°	25789.5
15°	16547.4
17.5°	11166.5
20°	6638.9
22.5°	3693.1
25°	2111.2
27.5°	1339.0
30°	965.3
32.5°	787.8
35°	700.6
37.5°	650.8
40°	585.4
42.5°	520.0
45°	464.0
47.5°	435.9
50°	417.3
52.5°	404.8
55°	395.5
57.5°	389.2
60°	376.8
62.5°	367.4
65°	348.8
67.5°	323.8
70°	292.7
72.5°	252.2
75°	211.7
77.5°	174.4
80°	140.1
82.5°	109.0
85°	81.0
87.5°	31.1
90°	0.0

(END OF REPORT)