

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: P525776

Luminaire Tested: **IFLD-L-SA8D-940-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525776
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

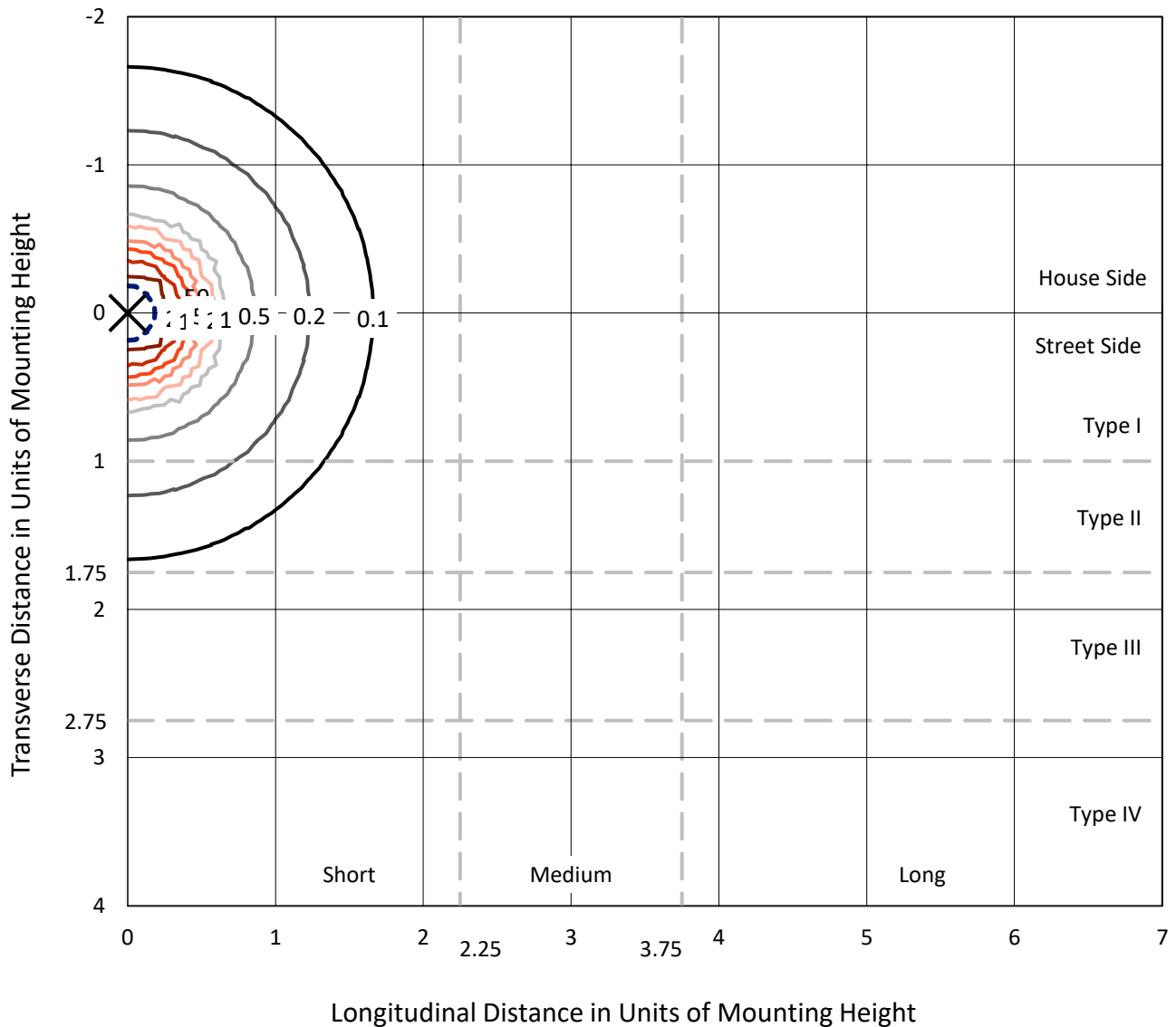
Lumens per Lamp: N/A
Luminaire Lumens: 40336.3 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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: P525776
 CATALOG NUMBER: IFLD-L-SA8D-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

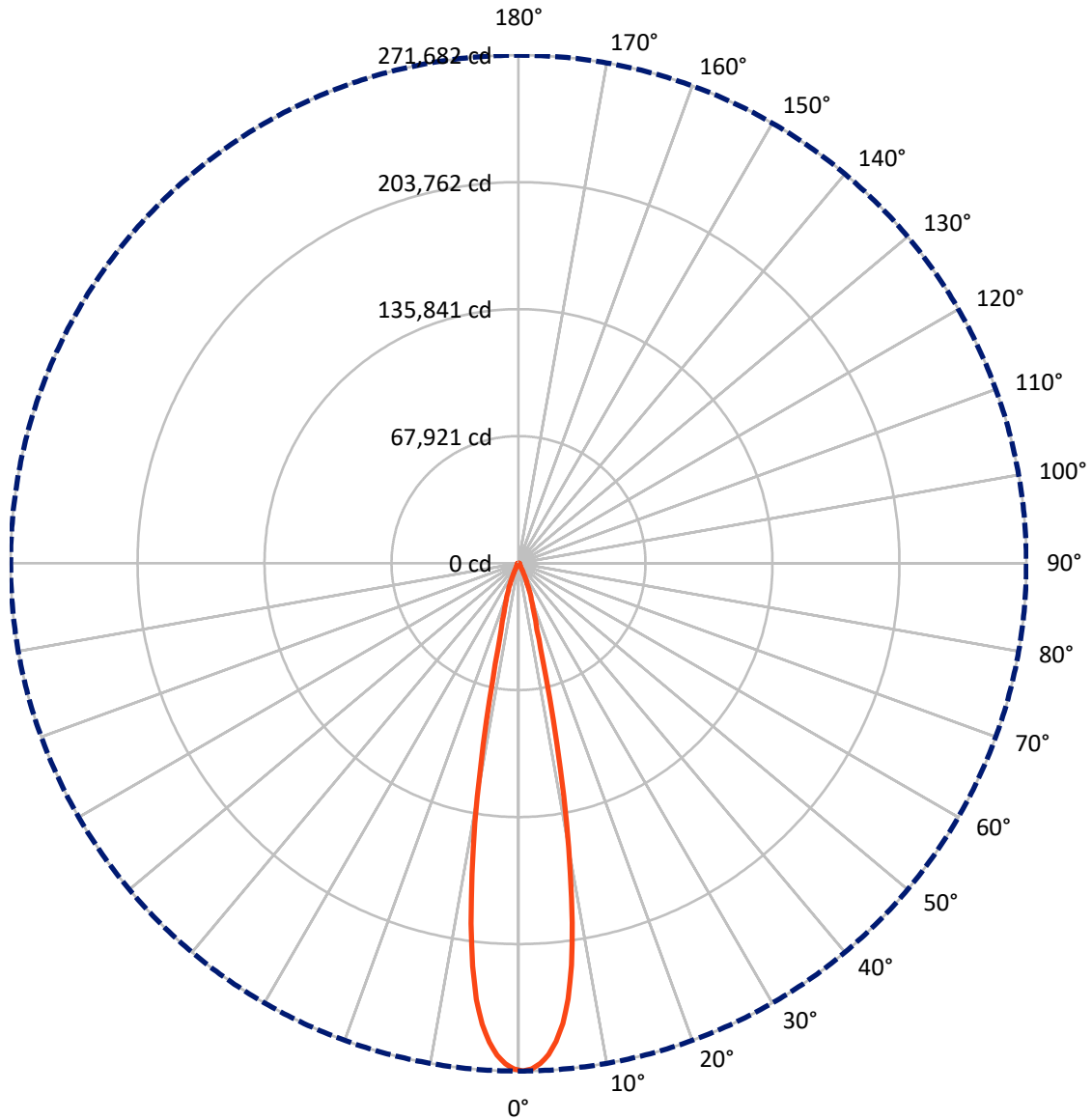
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 301.9 fc
 Type V - Short - N/A

REPORT NUMBER: P525776
CATALOG NUMBER: IFLD-L-SA8D-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525776
 CATALOG NUMBER: IFLD-L-SA8D-940-U-33

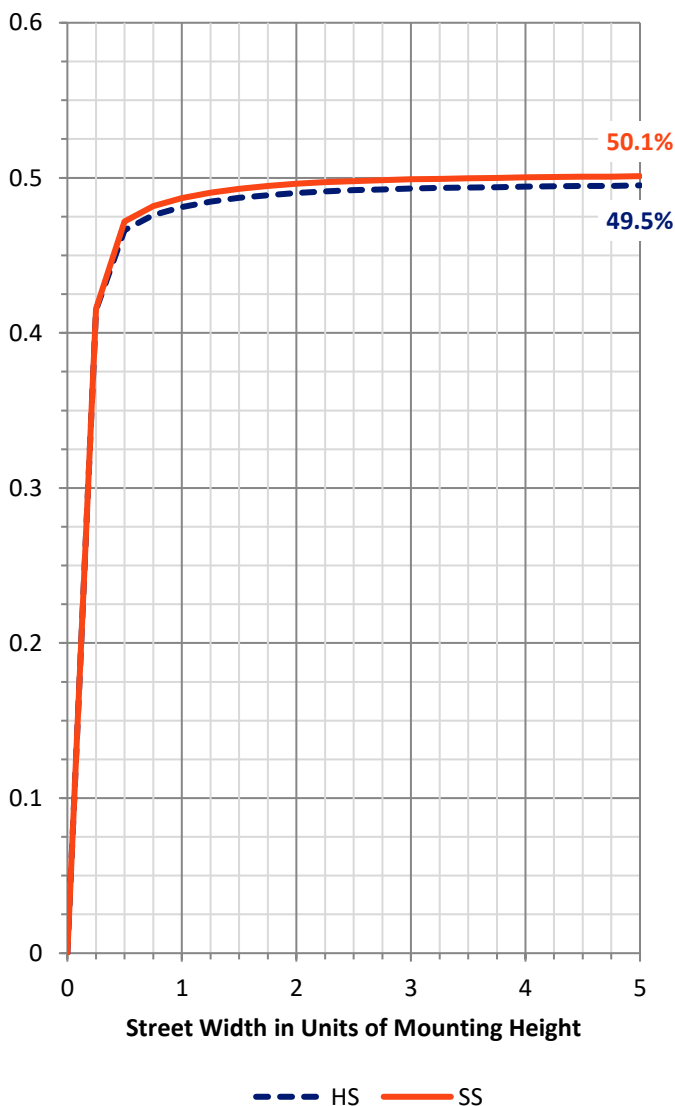
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20168.1	0.0	20168.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20168.1	0.0	20168.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	40336.3	0.0	40336.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20228.1	50.1
10°-20°	13305.5	33.0
20°-30°	3578.9	8.9
30°-40°	889.2	2.2
40°-50°	663.6	1.6
50°-60°	610.2	1.5
60°-70°	559.7	1.4
70°-80°	362.0	0.9
80°-90°	139.0	0.3
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°	40336.3	100.0
0°-180°	40336.3	100.0



REPORT NUMBER: P525776

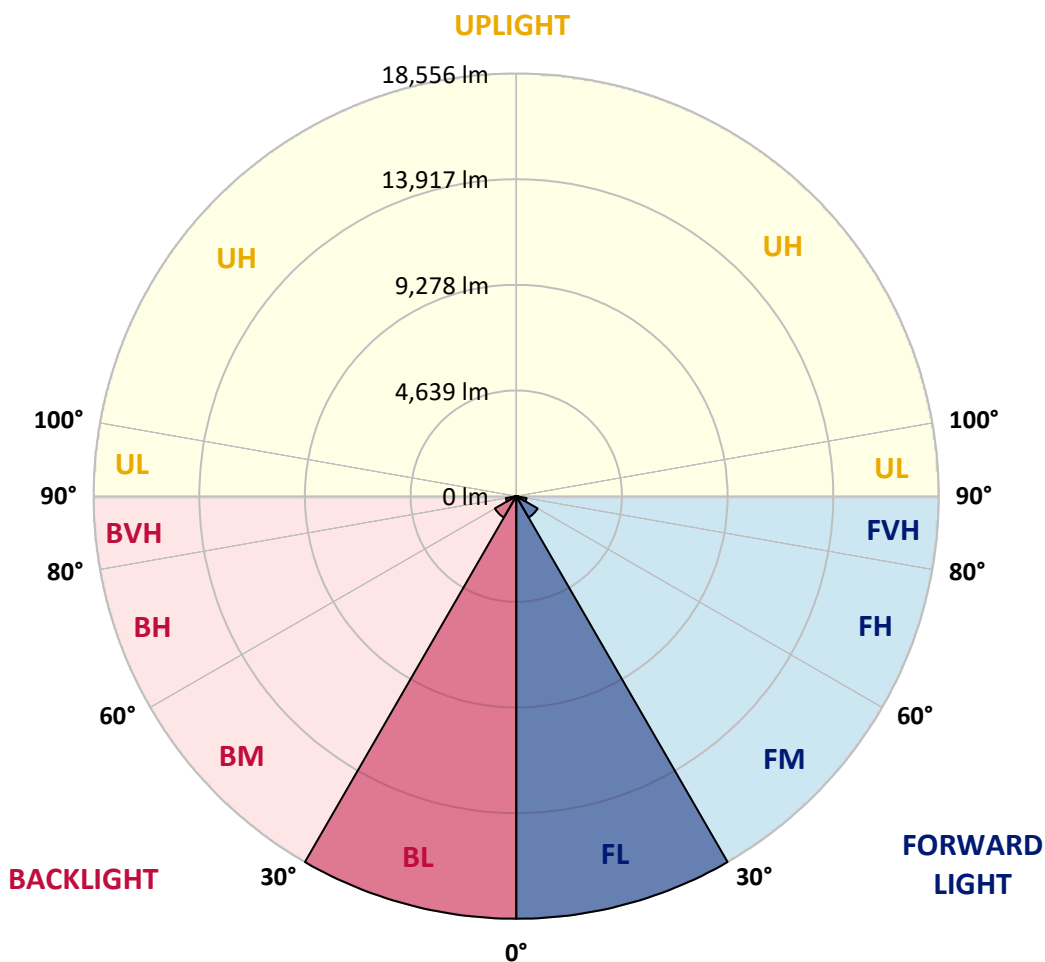
CATALOG NUMBER: IFLD-L-SA8D-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	18556.2	46.0			
FM	(30°-60°)	1081.5	2.7			
FH	(60°-80°)	460.9	1.1			G0/660
FVH	(80°-90°)	69.5	0.2			G1/100
BL	(0°-30°)	18556.2	46.0	B5		
BM	(30°-60°)	1081.5	2.7	B2/2500		
BH	(60°-80°)	460.9	1.1	B1/500		G0/660
BVH	(80°-90°)	69.5	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: P525776
CATALOG NUMBER: IFLD-L-SA8D-940-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	271682.0
1°	270618.8
2°	267940.0
3°	263378.3
4°	256731.8
5°	247477.7
6°	234558.9
7°	216876.4
8°	194454.0
9°	168010.4
10°	141192.7
11°	112385.1
12°	85644.6
13°	63287.5
14°	47363.2
15°	37093.4
17.5°	24863.6
20°	17973.5
22.5°	11849.7
25°	6955.4
27.5°	3902.4
30°	2179.9
32.5°	1591.8
35°	1348.3
37.5°	1187.9
40°	1045.4
42.5°	938.5
45°	843.4
47.5°	778.1
50°	724.6
52.5°	694.9
55°	677.1
57.5°	665.2
60°	647.4
62.5°	611.8
65°	570.2
67.5°	522.7
70°	463.3
72.5°	398.0
75°	338.6
77.5°	285.1
80°	237.6
82.5°	190.1
85°	142.6
87.5°	59.4



REPORT NUMBER: P525776
CATALOG NUMBER: IFLD-L-SA8D-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)