

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: P525741

Luminaire Tested: **IFLD-S-SA2D-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525741
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

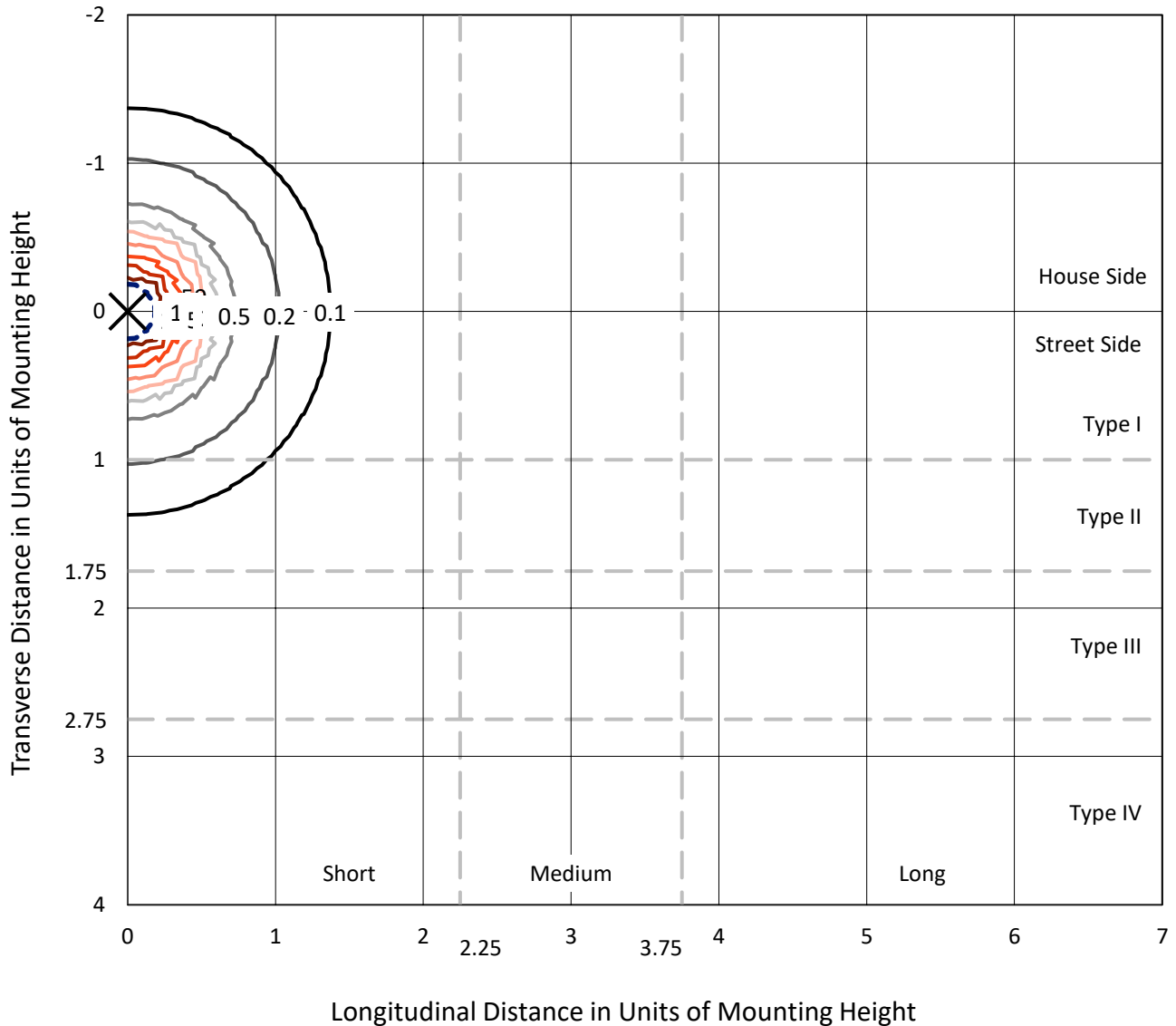
Lumens per Lamp: N/A
Luminaire Lumens: 11503.7 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 123.9
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: P525741
 CATALOG NUMBER: IFLD-S-SA2D-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

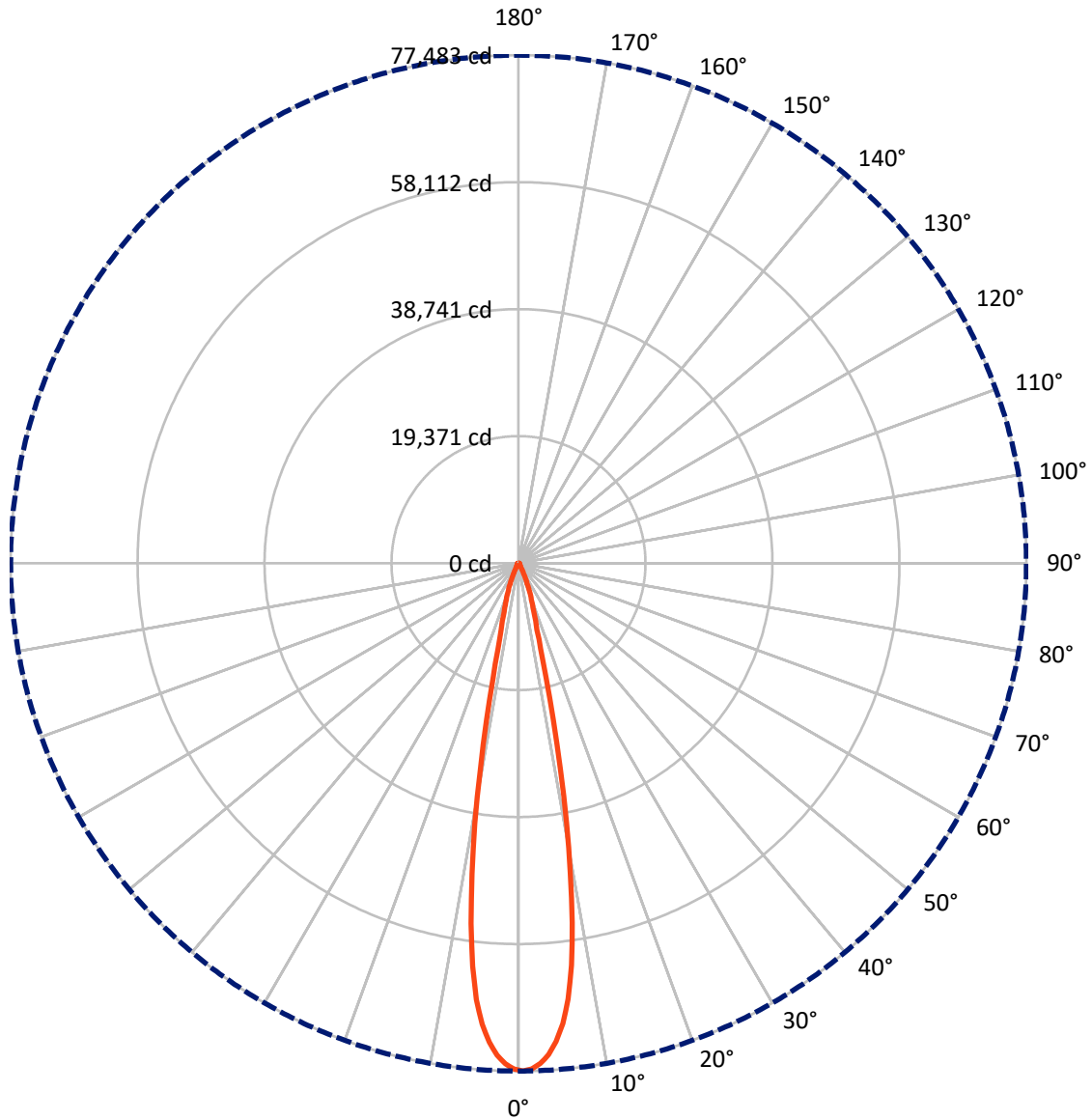
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 193.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525741
CATALOG NUMBER: IFLD-S-SA2D-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525741

CATALOG NUMBER: IFLD-S-SA2D-940-U-33

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5751.8	0.0	5751.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5751.8	0.0	5751.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11503.7	0.0	11503.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5769.0	50.1
10°-20°	3794.7	33.0
20°-30°	1020.7	8.9
30°-40°	253.6	2.2
40°-50°	189.2	1.6
50°-60°	174.0	1.5
60°-70°	159.6	1.4
70°-80°	103.3	0.9
80°-90°	39.7	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°	11503.7	100.0
0°-180°	11503.7	100.0

Coefficient of Utilization



REPORT NUMBER: P525741

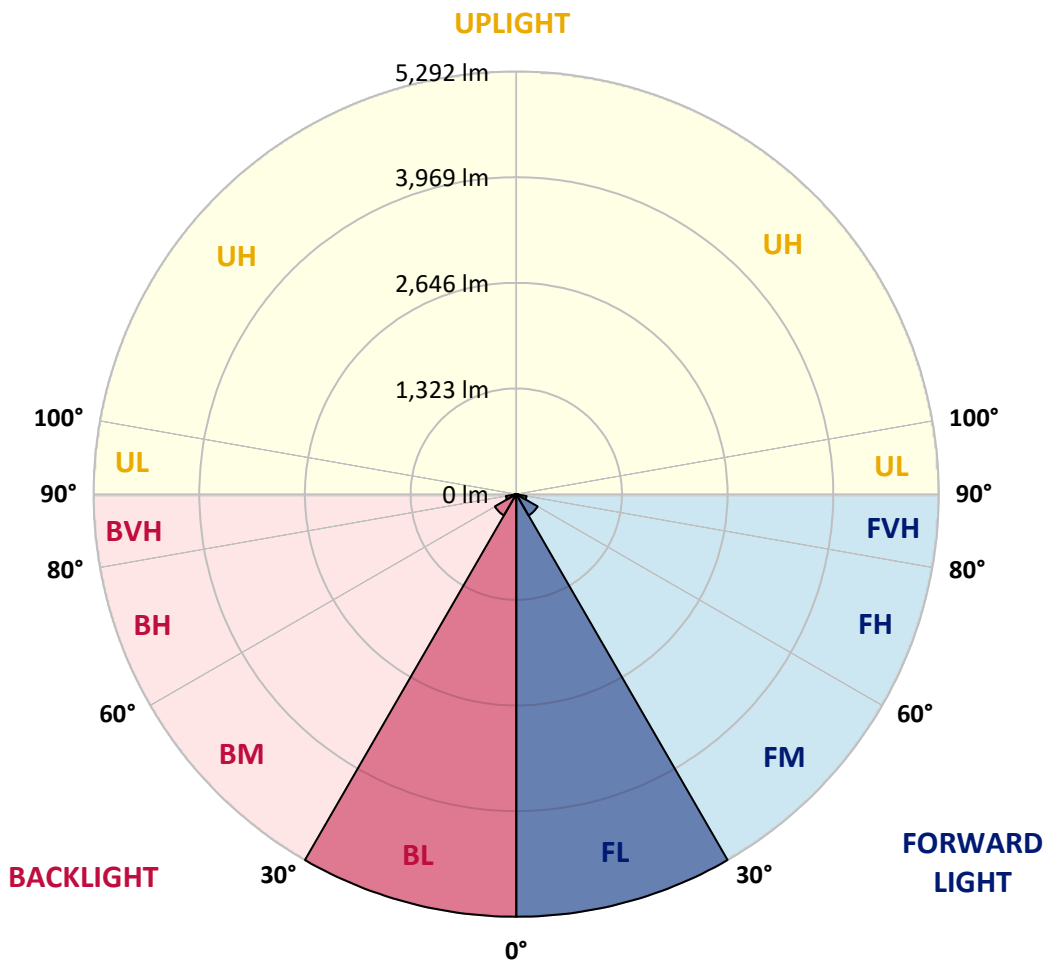
CATALOG NUMBER: IFLD-S-SA2D-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5292.2	46.0			
FM (30°-60°)	308.4	2.7			
FH (60°-80°)	131.4	1.1			G0/660
FVH (80°-90°)	19.8	0.2			G1/100
BL (0°-30°)	5292.2	46.0	B5		
BM (30°-60°)	308.4	2.7	B1/1000		
BH (60°-80°)	131.4	1.1	B1/500		G0/660
BVH (80°-90°)	19.8	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: P525741
CATALOG NUMBER: IFLD-S-SA2D-940-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	77482.5
1°	77179.3
2°	76415.3
3°	75114.3
4°	73218.8
5°	70579.5
6°	66895.1
7°	61852.2
8°	55457.4
9°	47915.8
10°	40267.5
11°	32051.7
12°	24425.5
13°	18049.3
14°	13507.8
15°	10578.9
17.5°	7091.0
20°	5126.0
22.5°	3379.5
25°	1983.6
27.5°	1112.9
30°	621.7
32.5°	454.0
35°	384.5
37.5°	338.8
40°	298.1
42.5°	267.6
45°	240.5
47.5°	221.9
50°	206.7
52.5°	198.2
55°	193.1
57.5°	189.7
60°	184.6
62.5°	174.5
65°	162.6
67.5°	149.1
70°	132.1
72.5°	113.5
75°	96.6
77.5°	81.3
80°	67.8
82.5°	54.2
85°	40.7
87.5°	16.9



REPORT NUMBER: P525741
CATALOG NUMBER: IFLD-S-SA2D-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)