

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: P525739

Luminaire Tested: **IFLD-S-SA2B-940-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525739
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

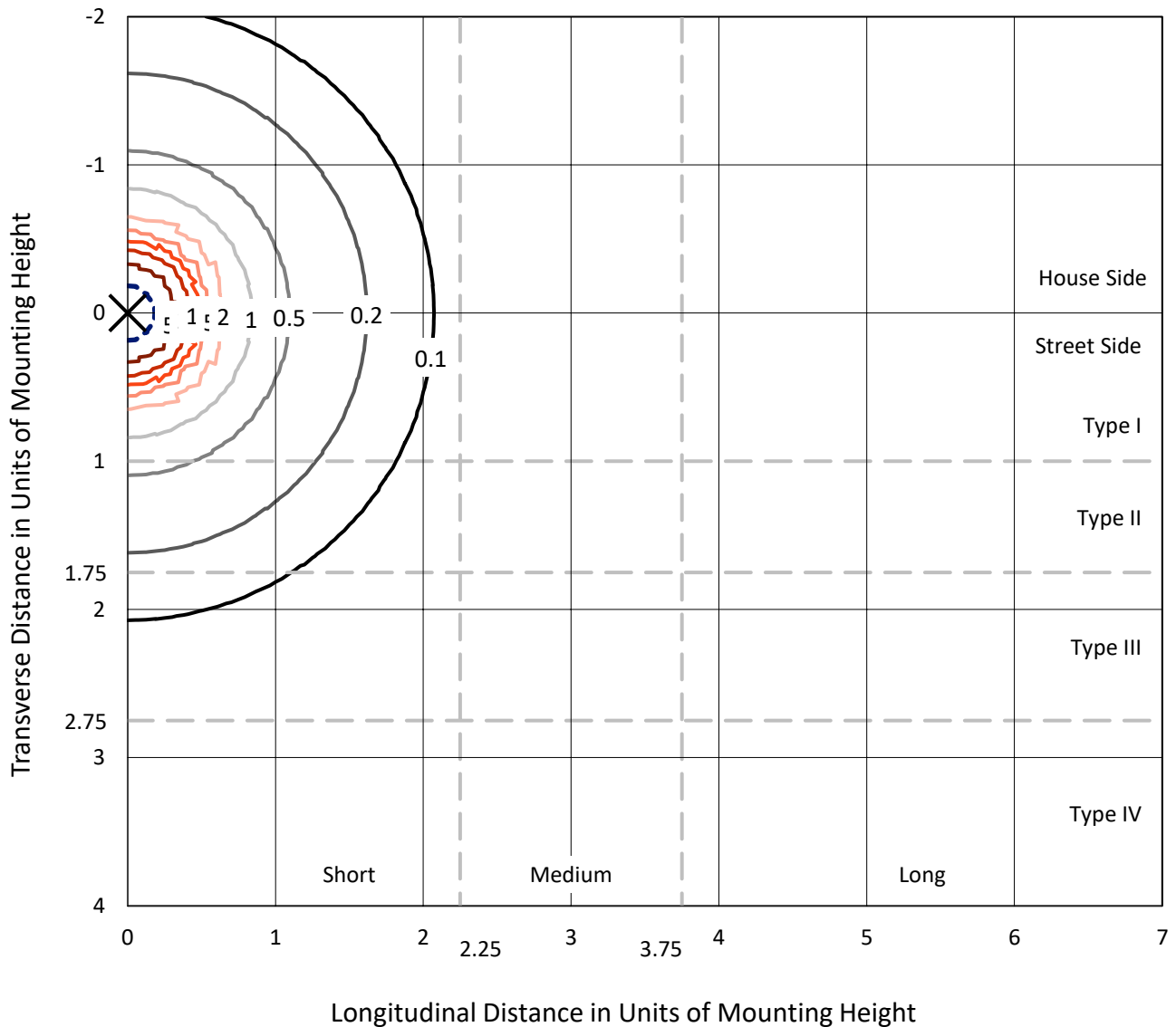
Lumens per Lamp: N/A
Luminaire Lumens: 8398.4 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (A_{in}): 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: P525739
 CATALOG NUMBER: IFLD-S-SA2B-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

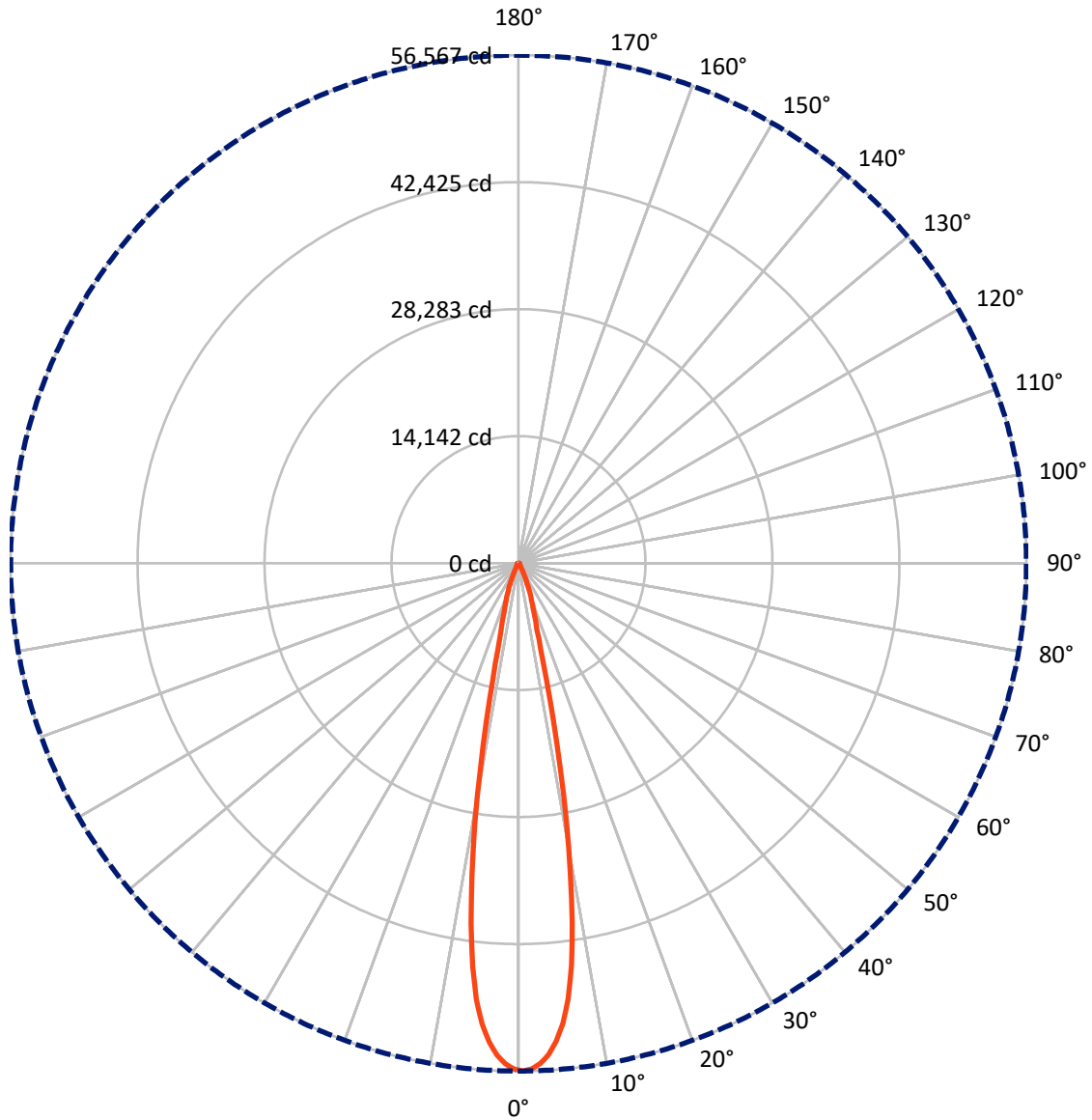
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 565.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525739
CATALOG NUMBER: IFLD-S-SA2B-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525739

CATALOG NUMBER: IFLD-S-SA2B-940-U-33

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4199.2	0.0	4199.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4199.2	0.0	4199.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8398.4	0.0	8398.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4211.7	50.1
10°-20°	2770.3	33.0
20°-30°	745.2	8.9
30°-40°	185.1	2.2
40°-50°	138.2	1.6
50°-60°	127.1	1.5
60°-70°	116.5	1.4
70°-80°	75.4	0.9
80°-90°	29.0	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°	8398.4	100.0
0°-180°	8398.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525739

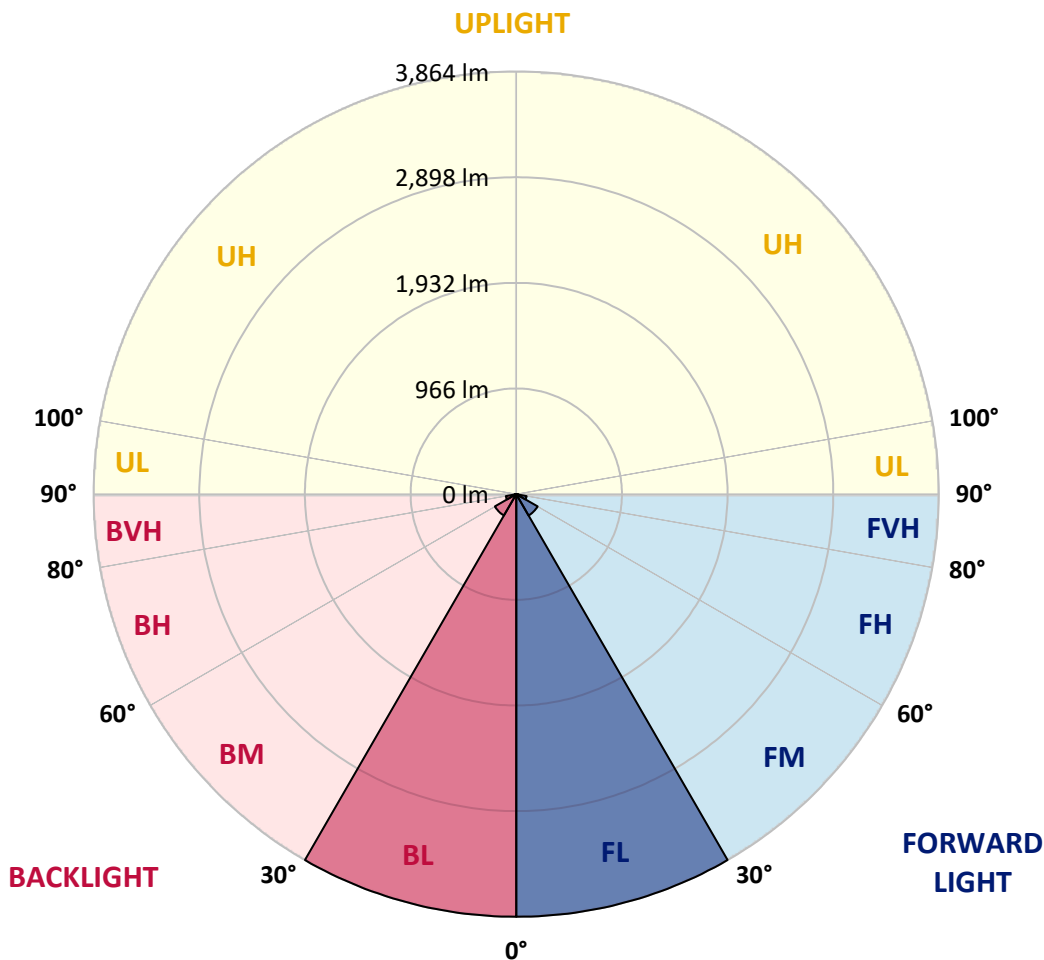
CATALOG NUMBER: IFLD-S-SA2B-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3863.6	46.0			
FM (30°-60°)	225.2	2.7			
FH (60°-80°)	96.0	1.1			G0/660
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	3863.6	46.0	B4/5000		
BM (30°-60°)	225.2	2.7	B1/1000		
BH (60°-80°)	96.0	1.1	B0/110		G0/660
BVH (80°-90°)	14.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



REPORT NUMBER: P525739
CATALOG NUMBER: IFLD-S-SA2B-940-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	56566.8
1°	56345.4
2°	55787.6
3°	54837.9
4°	53454.0
5°	51527.2
6°	48837.4
7°	45155.7
8°	40487.2
9°	34981.4
10°	29397.7
11°	23399.6
12°	17832.0
13°	13177.1
14°	9861.5
15°	7723.2
17.5°	5176.8
20°	3742.3
22.5°	2467.2
25°	1448.2
27.5°	812.5
30°	453.9
32.5°	331.4
35°	280.7
37.5°	247.3
40°	217.7
42.5°	195.4
45°	175.6
47.5°	162.0
50°	150.9
52.5°	144.7
55°	141.0
57.5°	138.5
60°	134.8
62.5°	127.4
65°	118.7
67.5°	108.8
70°	96.5
72.5°	82.9
75°	70.5
77.5°	59.4
80°	49.5
82.5°	39.6
85°	29.7
87.5°	12.4



REPORT NUMBER: P525739
CATALOG NUMBER: IFLD-S-SA2B-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)