

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: P525546

Luminaire Tested: **IFLD-S-SA2D-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525546
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-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11618 lumens
Efficiency: N/A
Efficacy: 93.8 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): 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

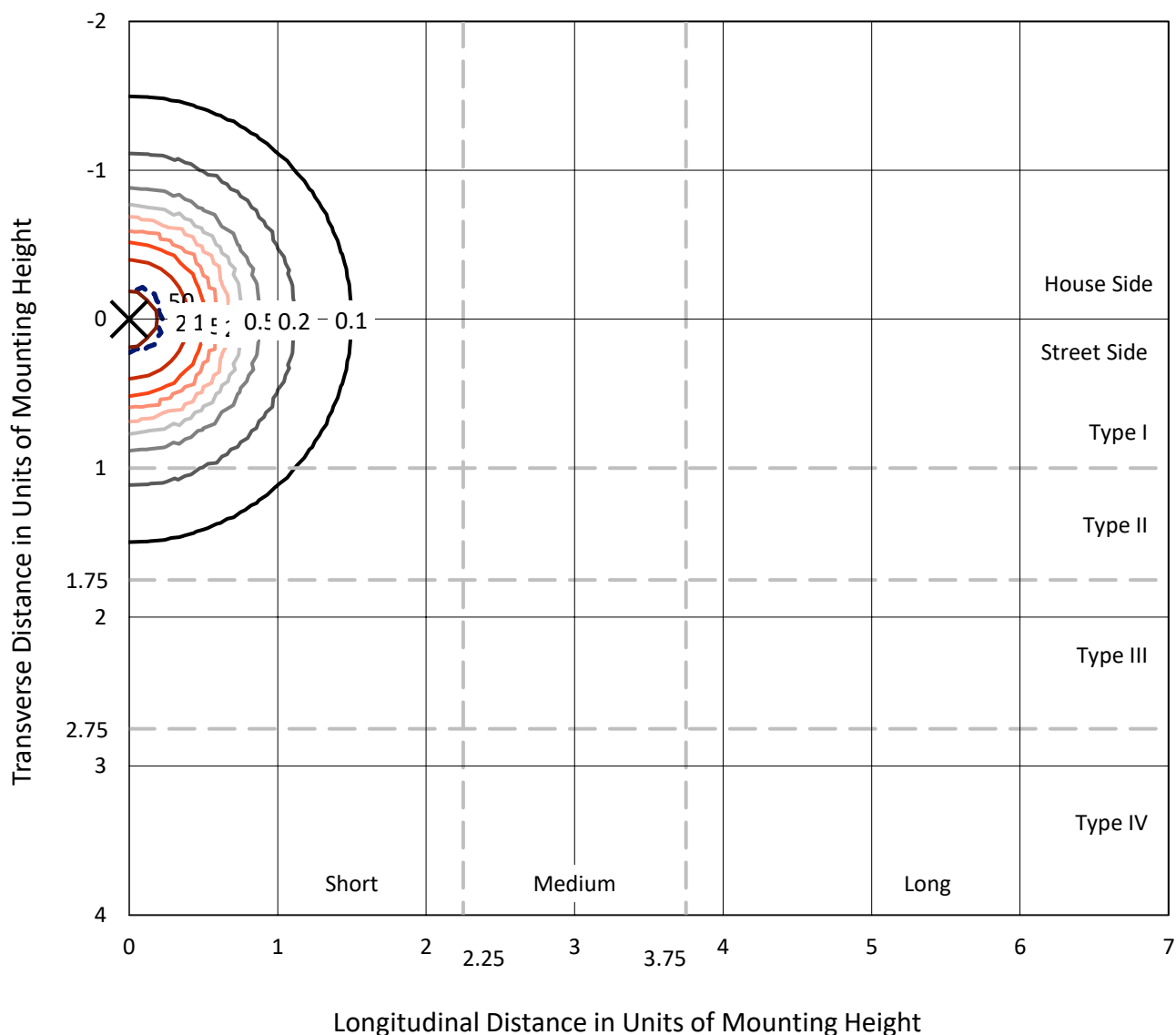
REPORT NUMBER: P525546

CATALOG NUMBER: IFLD-S-SA2D-940-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

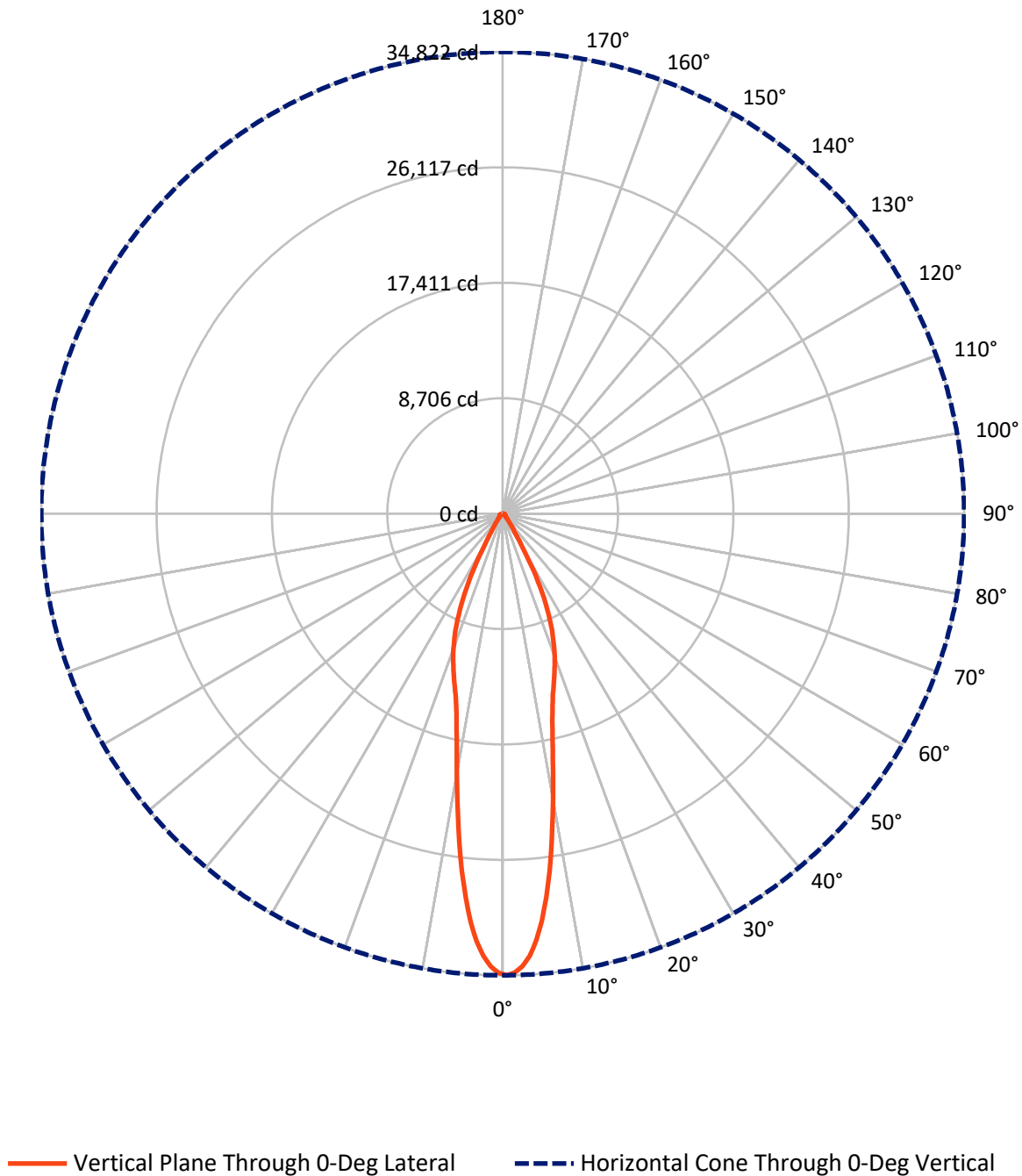


Based on 20 foot mounting height. Maximum calculated value = 87.1 fc

Type V - Short - N/A

REPORT NUMBER: P525546
CATALOG NUMBER: IFLD-S-SA2D-940-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525546

CATALOG NUMBER: IFLD-S-SA2D-940-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5809.0	0.0	5809.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5809.0	0.0	5809.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11618.0	0.0	11618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2606.7	22.4
10°-20°	4065.3	35.0
20°-30°	3294.2	28.4
30°-40°	799.5	6.9
40°-50°	269.1	2.3
50°-60°	212.6	1.8
60°-70°	212.0	1.8
70°-80°	117.0	1.0
80°-90°	41.5	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°	11618.0	100.0
0°-180°	11618.0	100.0

Coefficient of Utilization



REPORT NUMBER: P525546

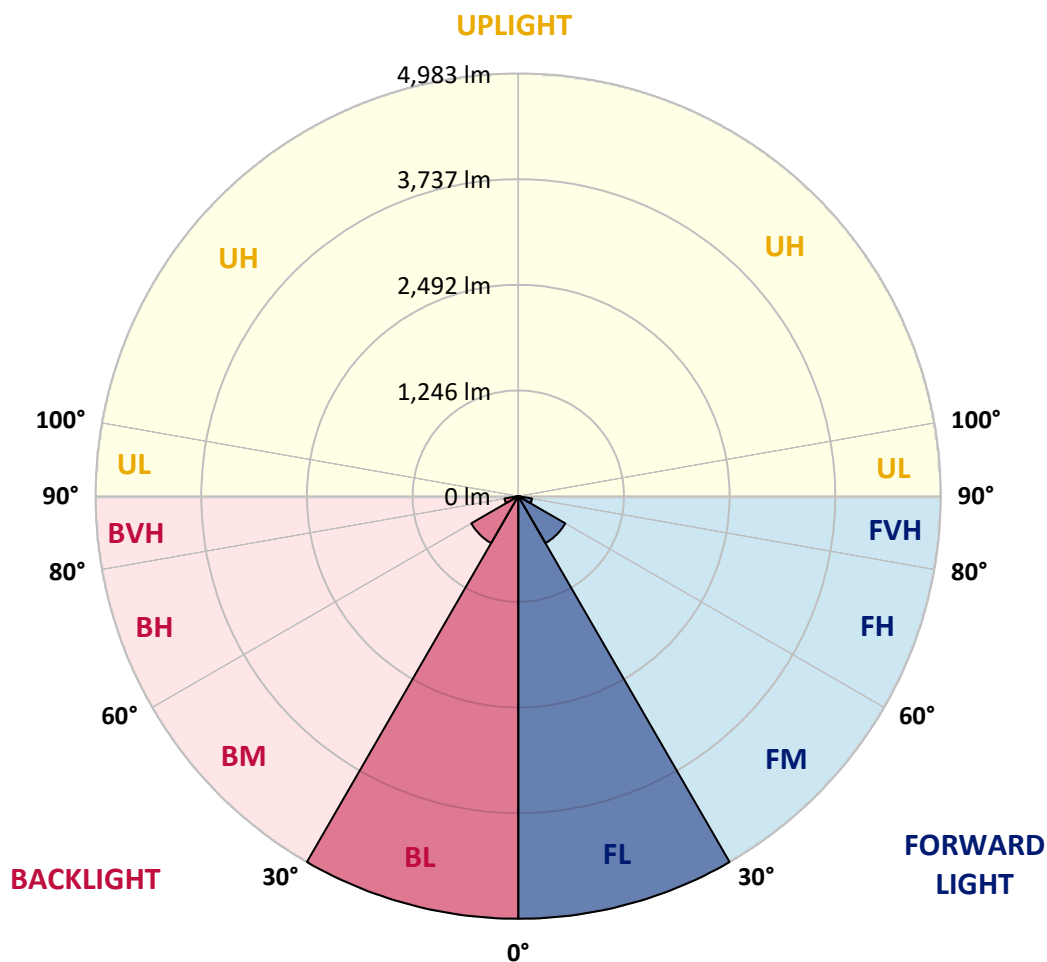
CATALOG NUMBER: IFLD-S-SA2D-940-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4983.1	42.9			
FM	(30°-60°)	640.6	5.5			
FH	(60°-80°)	164.5	1.4			G0/660
FVH	(80°-90°)	20.7	0.2			G1/100
BL	(0°-30°)	4983.1	42.9	B4/5000		
BM	(30°-60°)	640.6	5.5	B1/1000		
BH	(60°-80°)	164.5	1.4	B1/500		G0/660
BVH	(80°-90°)	20.7	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: P525546

CATALOG NUMBER: IFLD-S-SA2D-940-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	34822.2
1°	34640.9
2°	34175.1
3°	33402.6
4°	32293.0
5°	30861.6
6°	29108.3
7°	27148.3
8°	25020.6
9°	22879.4
10°	20831.3
11°	18988.2
12°	17373.8
13°	16047.4
14°	14990.3
15°	14158.6
17.5°	12618.7
20°	11185.6
22.5°	9506.8
25°	7557.0
27.5°	5334.5
30°	2898.5
32.5°	1666.9
35°	1113.0
37.5°	758.9
40°	540.4
42.5°	418.4
45°	326.9
47.5°	267.7
50°	245.6
52.5°	233.8
55°	228.7
57.5°	237.2
60°	250.7
62.5°	245.6
65°	218.5
67.5°	188.0
70°	159.2
72.5°	132.1
75°	108.4
77.5°	88.1
80°	71.1
82.5°	57.6
85°	44.0
87.5°	15.2

REPORT NUMBER: P525546
CATALOG NUMBER: IFLD-S-SA2D-940-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)