

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: P525544

Luminaire Tested: **IFLD-S-SA2B-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525544
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-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: 8481.8 lumens
Efficiency: N/A
Efficacy: 102.9 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 (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

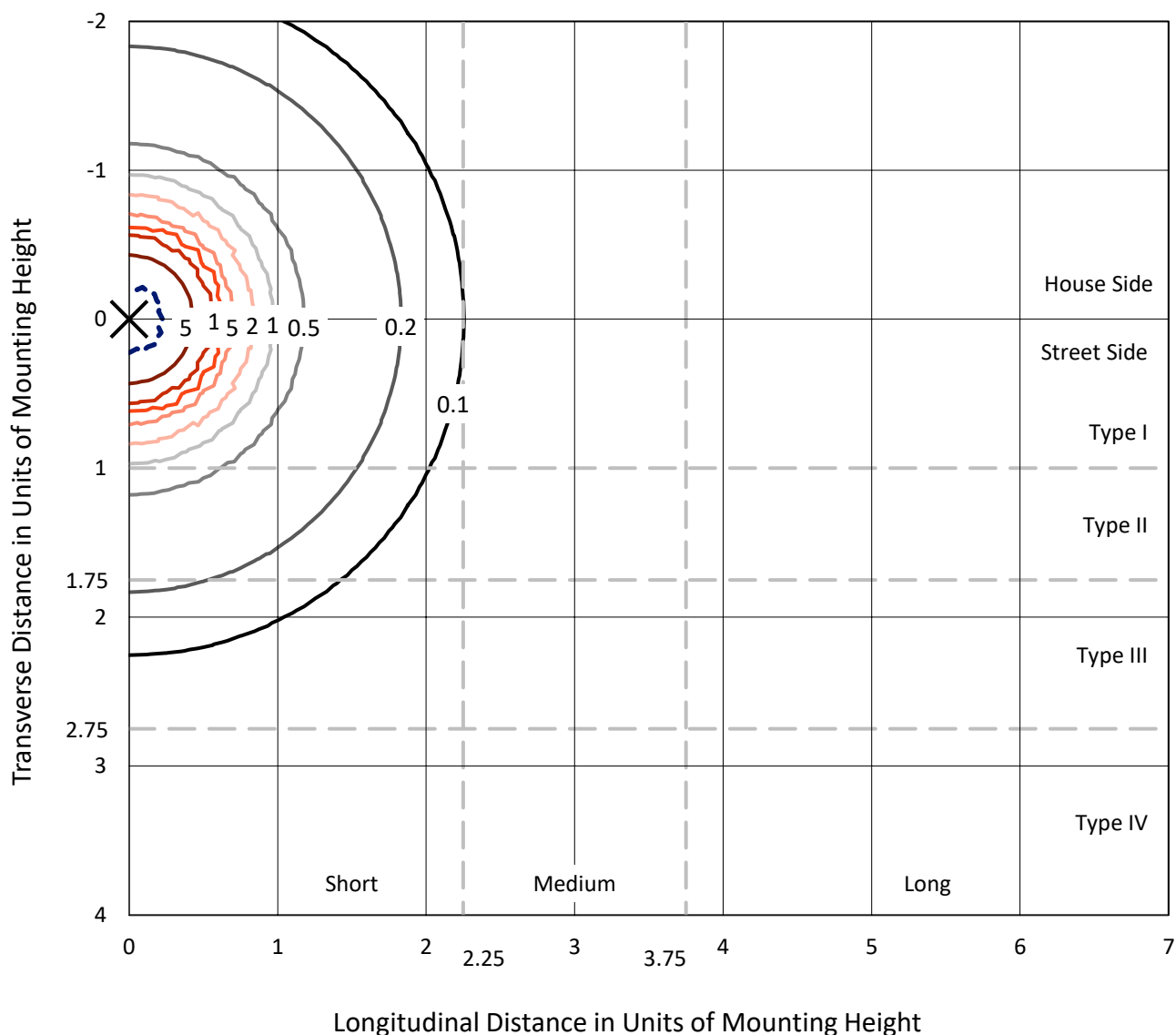
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

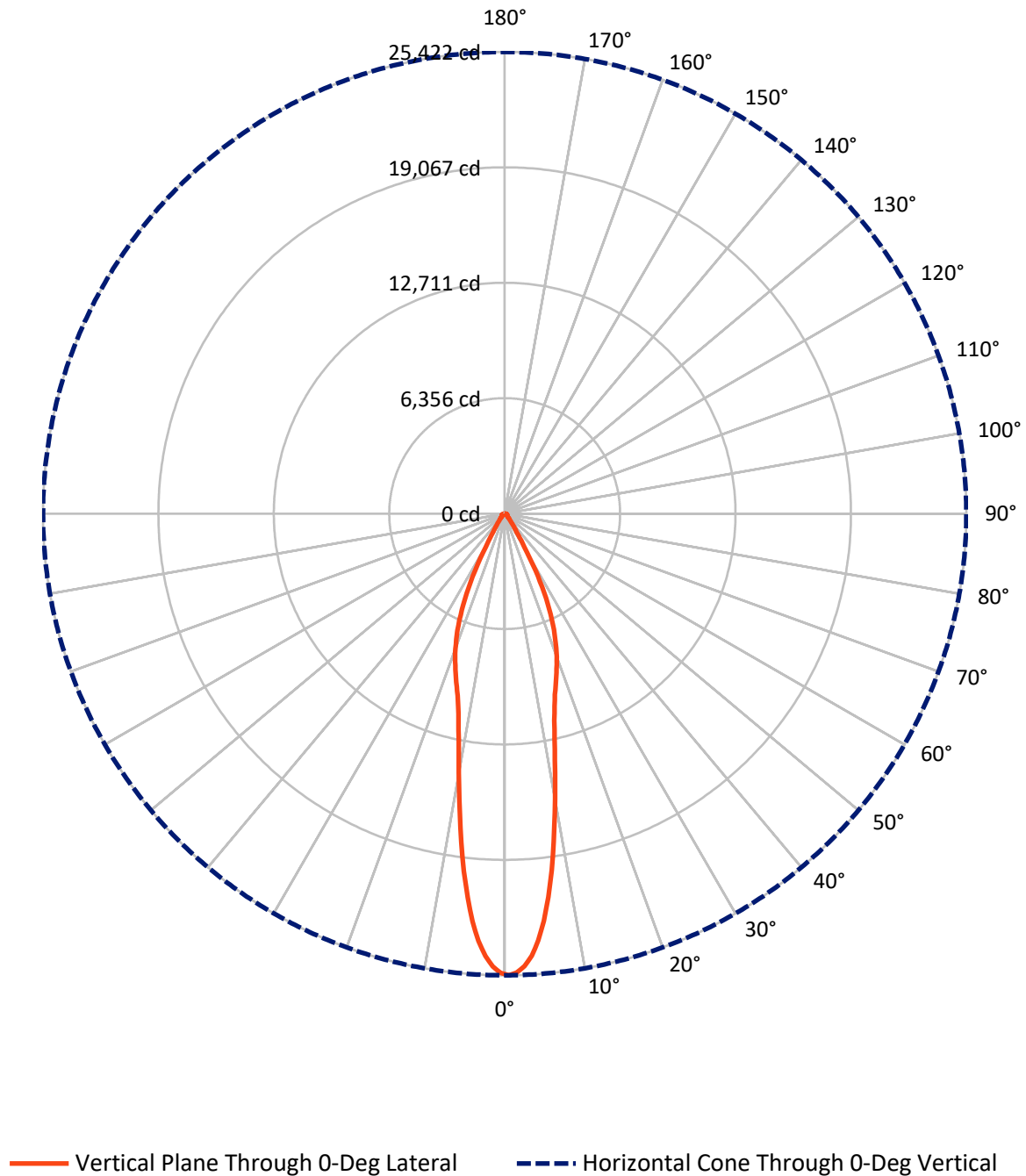


Based on 10 foot mounting height. Maximum calculated value = 254.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4240.9	0.0	4240.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4240.9	0.0	4240.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8481.8	0.0	8481.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1903.0	22.4
10°-20°	2967.9	35.0
20°-30°	2405.0	28.4
30°-40°	583.7	6.9
40°-50°	196.4	2.3
50°-60°	155.2	1.8
60°-70°	154.8	1.8
70°-80°	85.5	1.0
80°-90°	30.3	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°	8481.8	100.0
0°-180°	8481.8	100.0

Coefficient of Utilization



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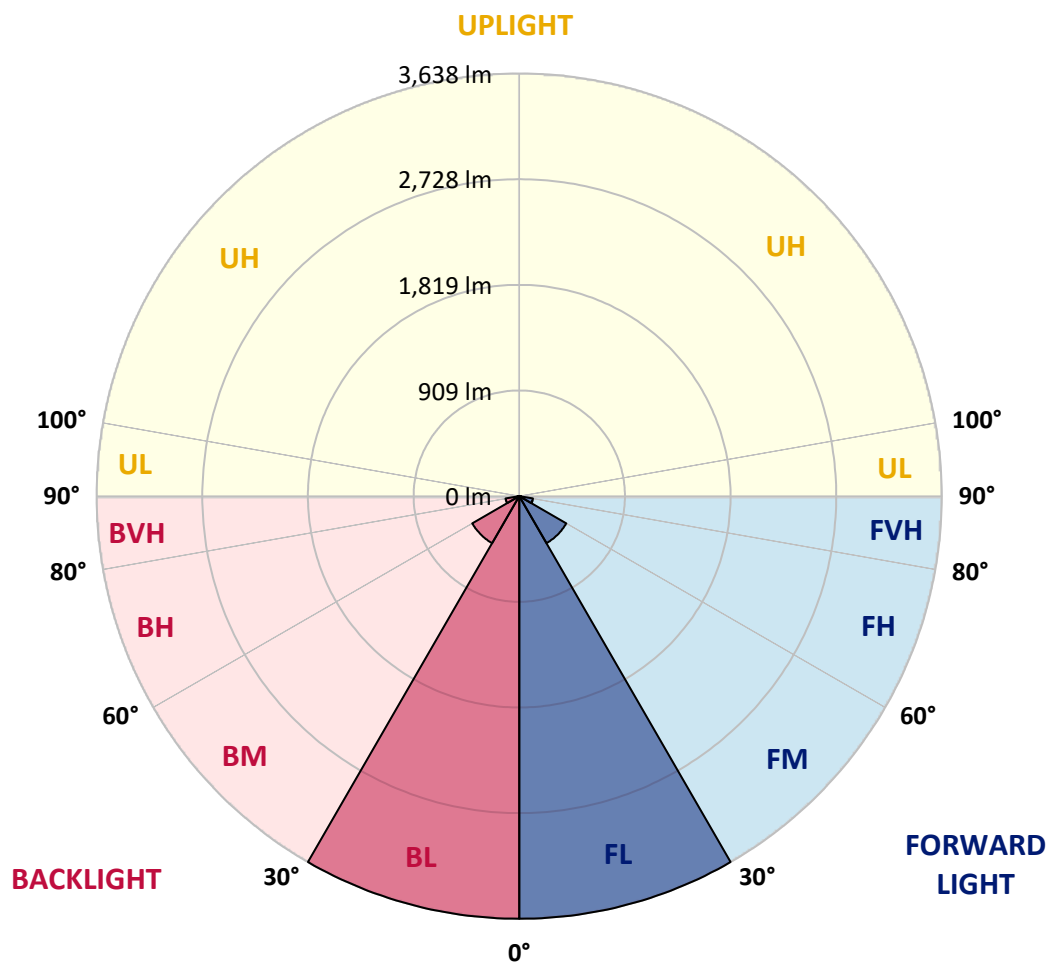
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3638.0	42.9			
FM	(30°-60°)	467.7	5.5			
FH	(60°-80°)	120.1	1.4			G0/660
FVH	(80°-90°)	15.1	0.2			G1/100
BL	(0°-30°)	3638.0	42.9	B4/5000		
BM	(30°-60°)	467.7	5.5	B1/1000		
BH	(60°-80°)	120.1	1.4	B1/500		G0/660
BVH	(80°-90°)	15.1	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



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25422.2
1°	25289.9
2°	24949.8
3°	24385.8
4°	23575.8
5°	22530.7
6°	21250.7
7°	19819.8
8°	18266.5
9°	16703.3
10°	15208.1
11°	13862.5
12°	12683.9
13°	11715.5
14°	10943.8
15°	10336.6
17.5°	9212.4
20°	8166.1
22.5°	6940.5
25°	5517.1
27.5°	3894.5
30°	2116.0
32.5°	1216.9
35°	812.5
37.5°	554.1
40°	394.5
42.5°	305.5
45°	238.7
47.5°	195.4
50°	179.3
52.5°	170.7
55°	167.0
57.5°	173.1
60°	183.0
62.5°	179.3
65°	159.5
67.5°	137.3
70°	116.3
72.5°	96.5
75°	79.2
77.5°	64.3
80°	51.9
82.5°	42.0
85°	32.2
87.5°	11.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)