

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: P525579

Luminaire Tested: **IFLD-L-SA8B-940-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525579
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29740.4 lumens
Efficiency: N/A
Efficacy: 92.9 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): 320
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

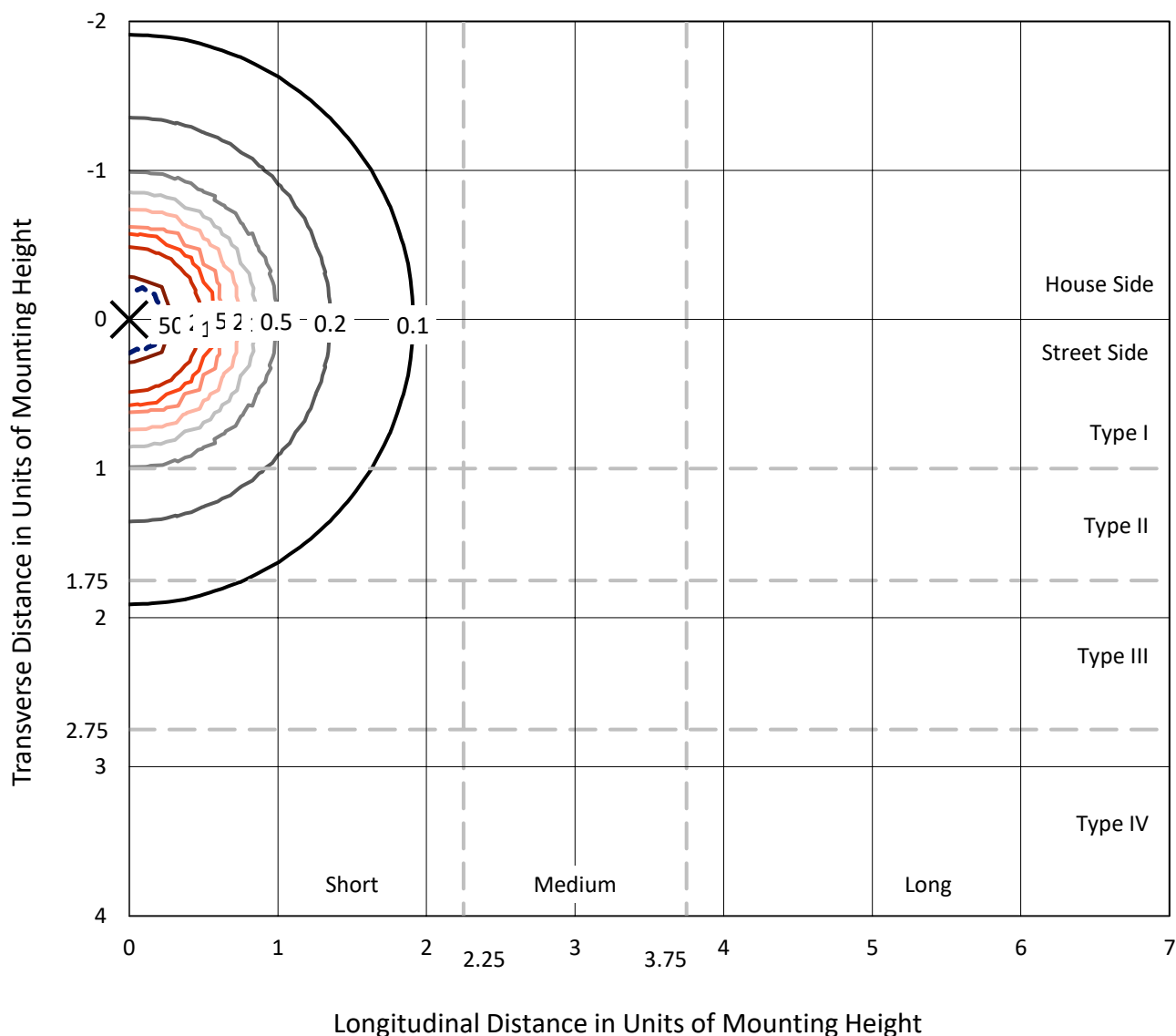
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

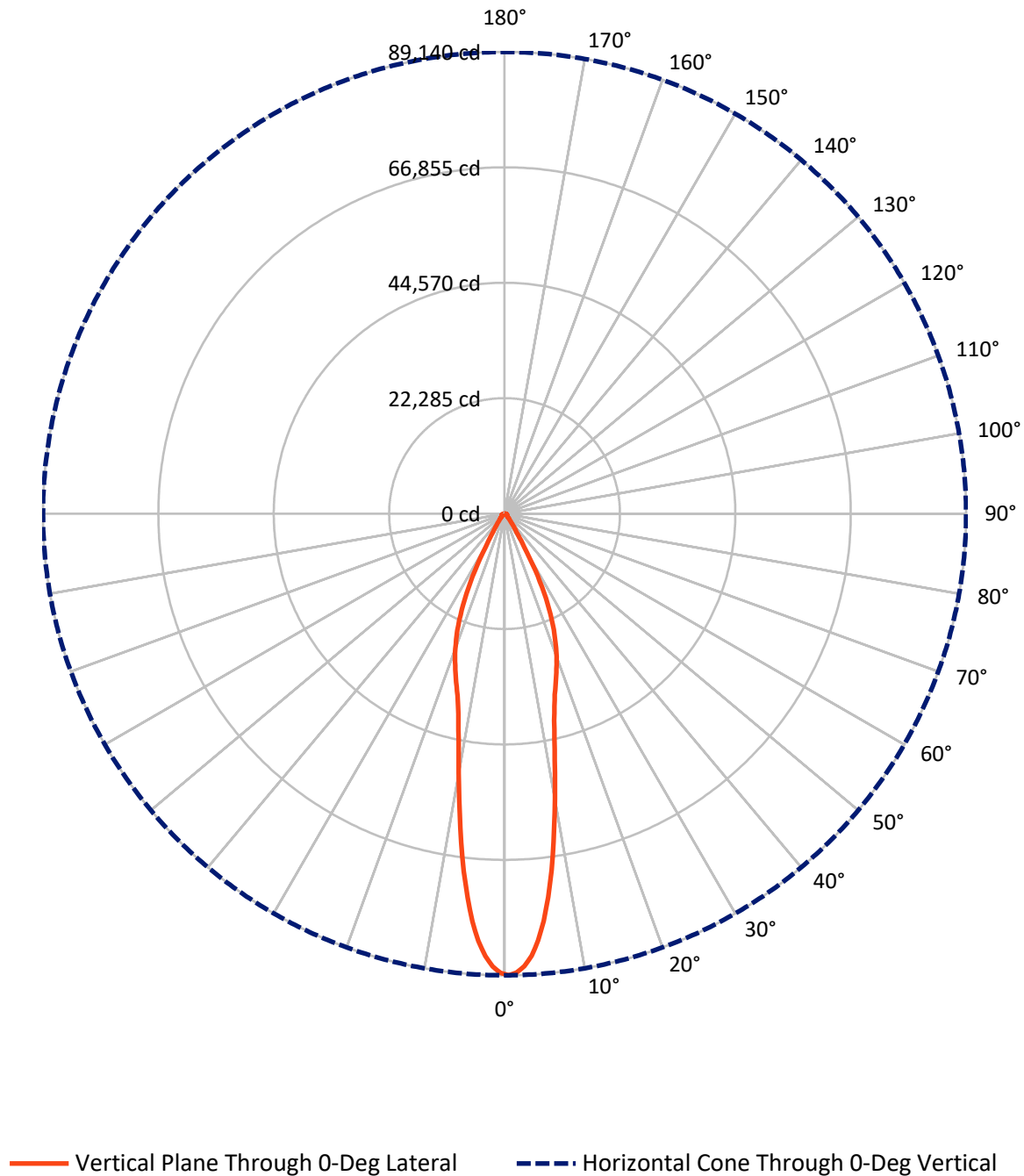


Based on 25 foot mounting height. Maximum calculated value = 142.6 fc

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	14870.2	0.0	14870.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14870.2	0.0	14870.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	29740.4	0.0	29740.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6672.8	22.4
10°-20°	10406.5	35.0
20°-30°	8432.8	28.4
30°-40°	2046.6	6.9
40°-50°	688.8	2.3
50°-60°	544.3	1.8
60°-70°	542.9	1.8
70°-80°	299.6	1.0
80°-90°	106.2	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°	29740.4	100.0
0°-180°	29740.4	100.0

Coefficient of Utilization



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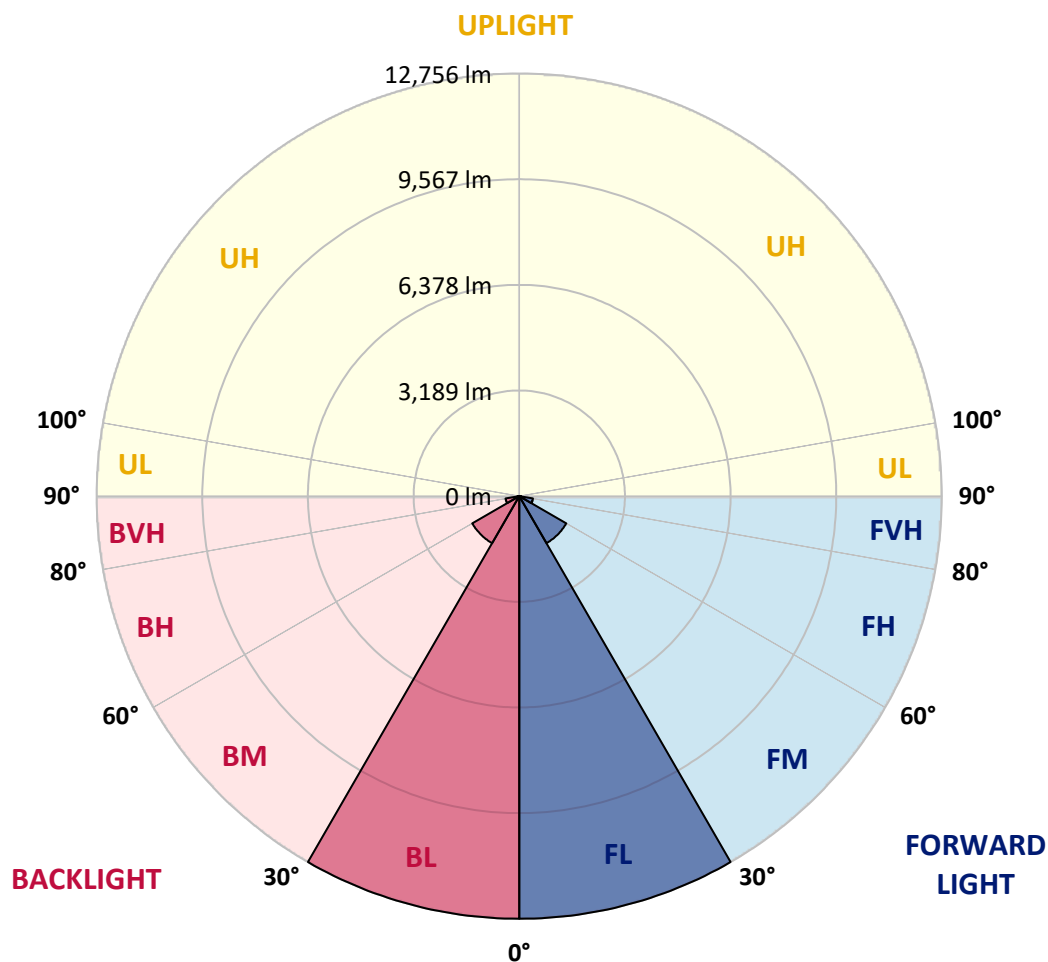
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12756.0	42.9			
FM	(30°-60°)	1639.8	5.5			
FH	(60°-80°)	421.2	1.4			G0/660
FVH	(80°-90°)	53.1	0.2			G1/100
BL	(0°-30°)	12756.0	42.9	B5		
BM	(30°-60°)	1639.8	5.5	B2/2500		
BH	(60°-80°)	421.2	1.4	B1/500		G0/660
BVH	(80°-90°)	53.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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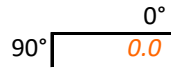
CANDELA DISTRIBUTION (FULL):

0°	
0°	89139.7
1°	88675.7
2°	87483.2
3°	85505.8
4°	82665.4
5°	79001.1
6°	74512.9
7°	69495.7
8°	64049.1
9°	58567.9
10°	53325.1
11°	48607.1
12°	44474.4
13°	41079.0
14°	38373.1
15°	36243.9
17.5°	32302.1
20°	28633.5
22.5°	24336.1
25°	19344.8
27.5°	13655.4
30°	7419.6
32.5°	4267.0
35°	2849.0
37.5°	1942.7
40°	1383.3
42.5°	1071.1
45°	836.9
47.5°	685.2
50°	628.8
52.5°	598.4
55°	585.4
57.5°	607.1
60°	641.8
62.5°	628.8
65°	559.4
67.5°	481.3
70°	407.6
72.5°	338.2
75°	277.5
77.5°	225.5
80°	182.1
82.5°	147.4
85°	112.7
87.5°	39.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)