

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: P525548

Luminaire Tested: **IFLD-S-SA3A-940-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525548
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10220.7 lumens
Efficiency: N/A
Efficacy: 107.8 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): 94.8
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

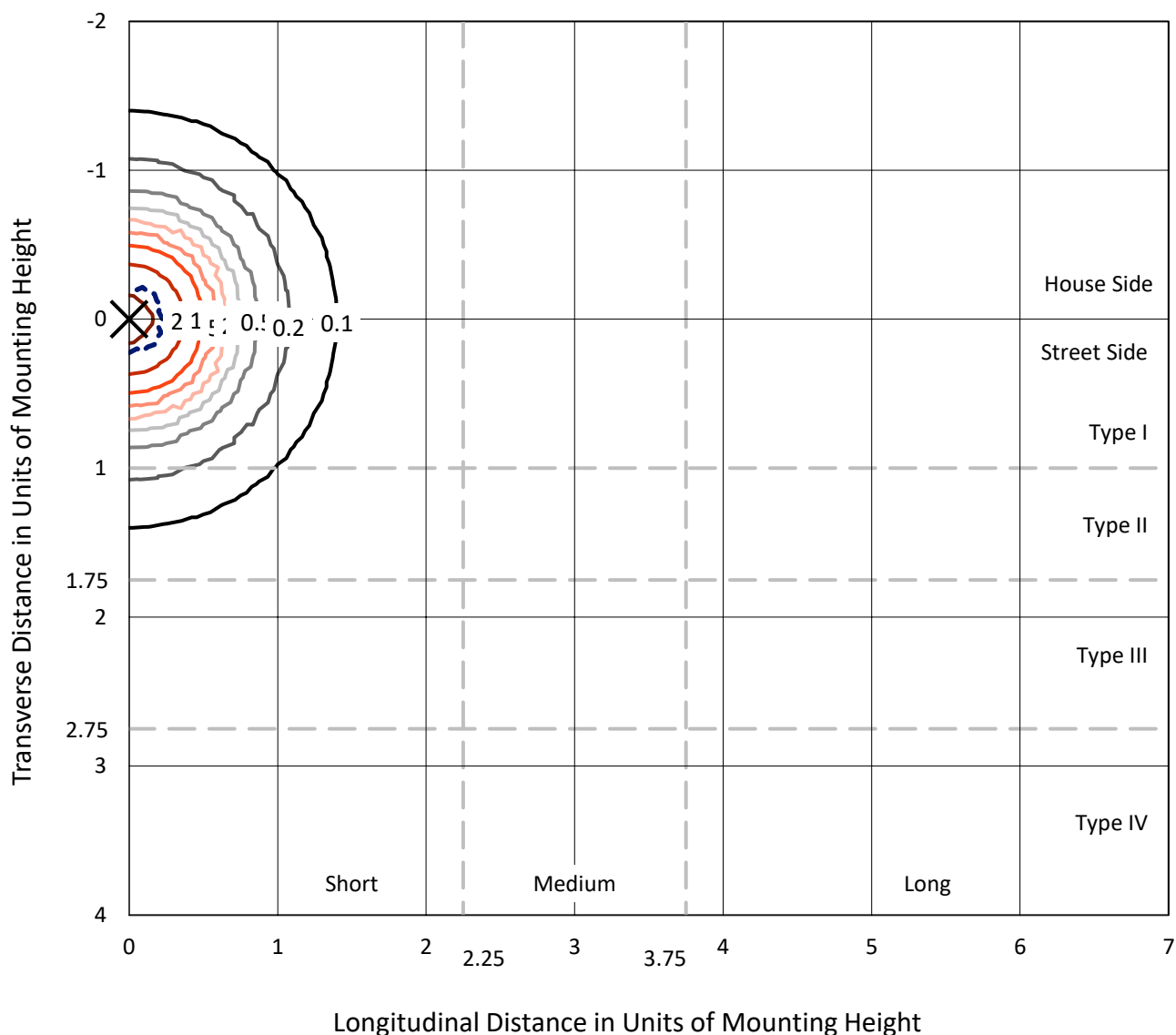
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

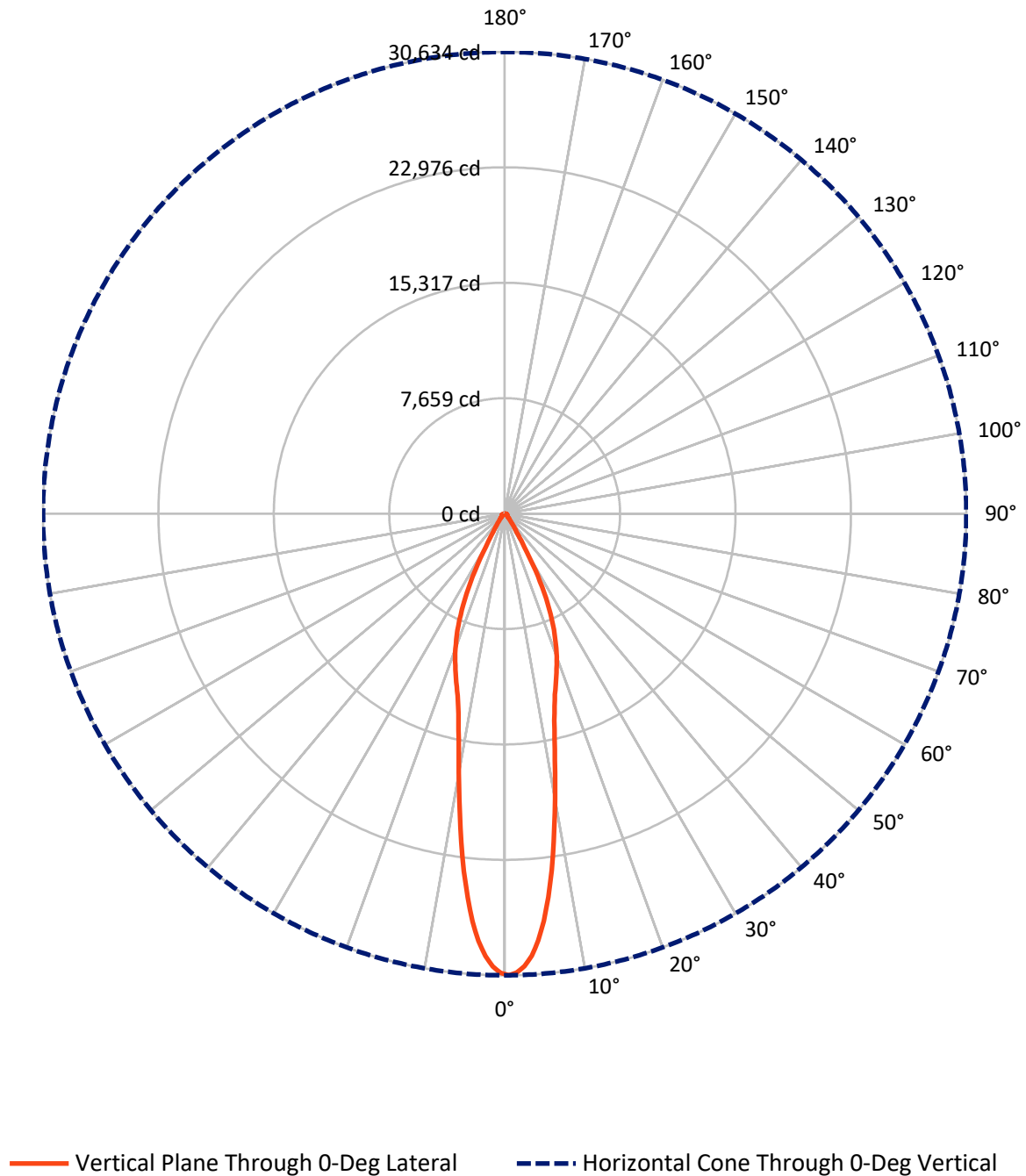


Based on 20 foot mounting height. Maximum calculated value = 76.6 fc

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	5110.3	0.0	5110.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5110.3	0.0	5110.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10220.7	0.0	10220.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2293.2	22.4
10°-20°	3576.3	35.0
20°-30°	2898.0	28.4
30°-40°	703.3	6.9
40°-50°	236.7	2.3
50°-60°	187.1	1.8
60°-70°	186.6	1.8
70°-80°	103.0	1.0
80°-90°	36.5	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°	10220.7	100.0
0°-180°	10220.7	100.0

Coefficient of Utilization



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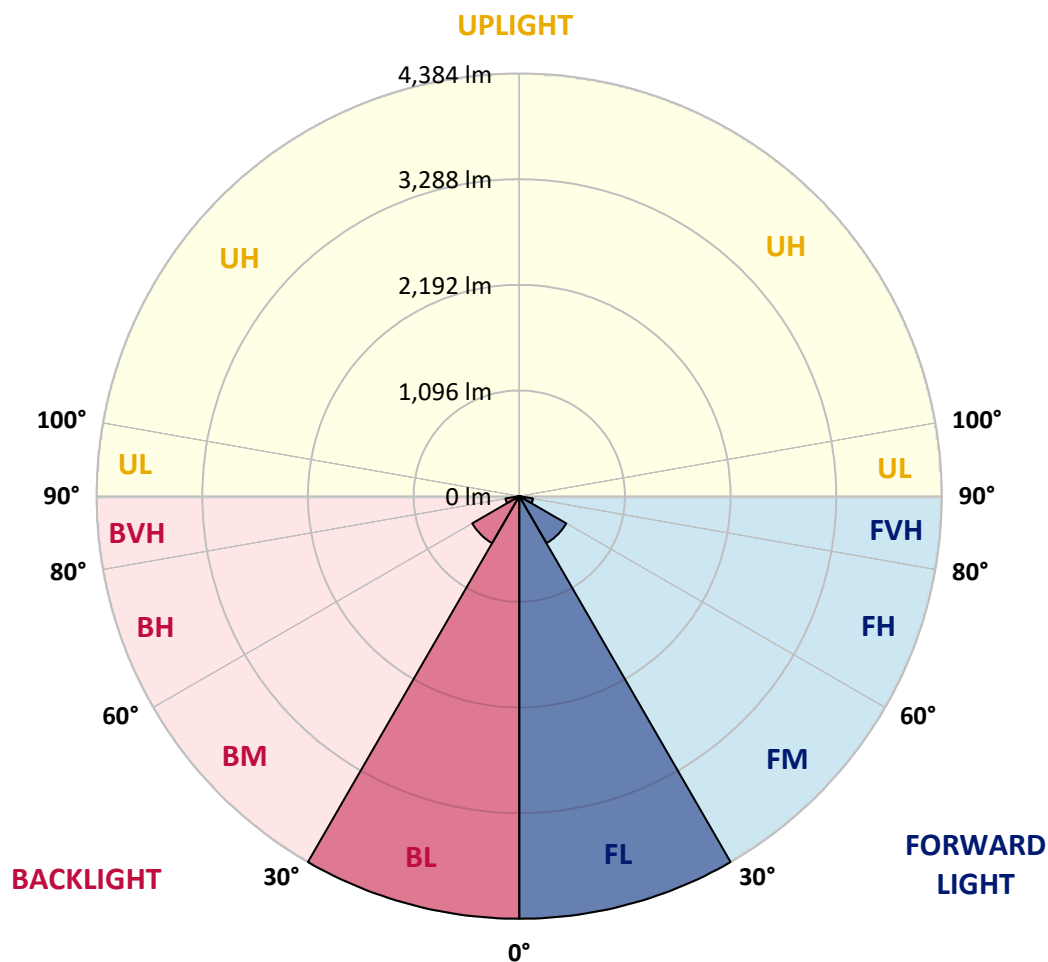
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4383.8	42.9			
FM	(30°-60°)	563.6	5.5			
FH	(60°-80°)	144.8	1.4			G0/660
FVH	(80°-90°)	18.2	0.2			G1/100
BL	(0°-30°)	4383.8	42.9	B4/5000		
BM	(30°-60°)	563.6	5.5	B1/1000		
BH	(60°-80°)	144.8	1.4	B1/500		G0/660
BVH	(80°-90°)	18.2	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°	30634.0
1°	30474.6
2°	30064.7
3°	29385.2
4°	28409.1
5°	27149.8
6°	25607.3
7°	23883.1
8°	22011.3
9°	20127.6
10°	18325.9
11°	16704.5
12°	15284.2
13°	14117.3
14°	13187.4
15°	12455.7
17.5°	11101.0
20°	9840.3
22.5°	8363.4
25°	6648.1
27.5°	4692.9
30°	2549.9
32.5°	1466.4
35°	979.1
37.5°	667.6
40°	475.4
42.5°	368.1
45°	287.6
47.5°	235.5
50°	216.1
52.5°	205.7
55°	201.2
57.5°	208.6
60°	220.6
62.5°	216.1
65°	192.2
67.5°	165.4
70°	140.1
72.5°	116.2
75°	95.4
77.5°	77.5
80°	62.6
82.5°	50.7
85°	38.7
87.5°	13.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)