

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: P525550

Luminaire Tested: **IFLD-S-SA3C-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525550
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-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: 15735.3 lumens
Efficiency: N/A
Efficacy: 97.9 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): 160.8
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

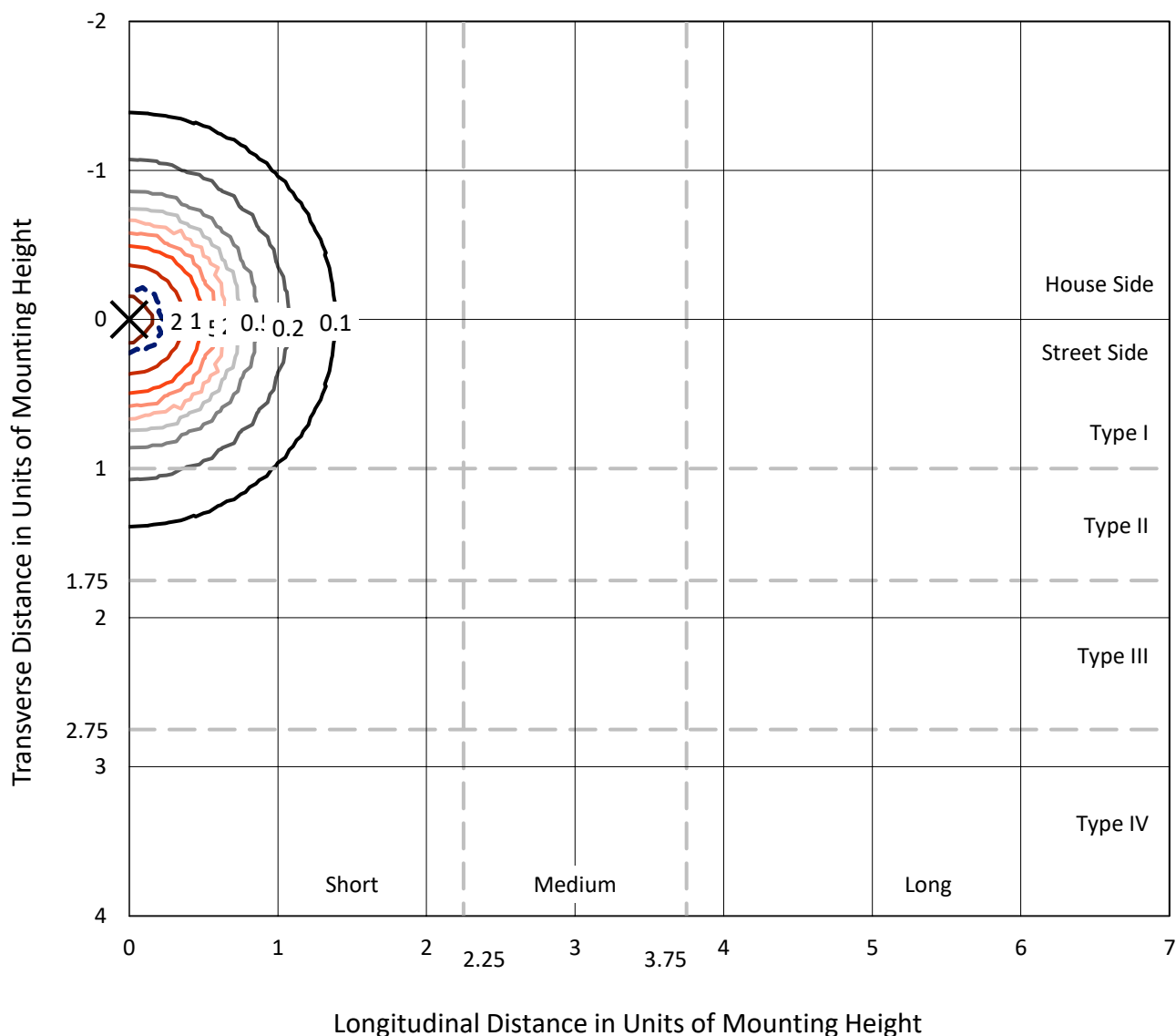
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

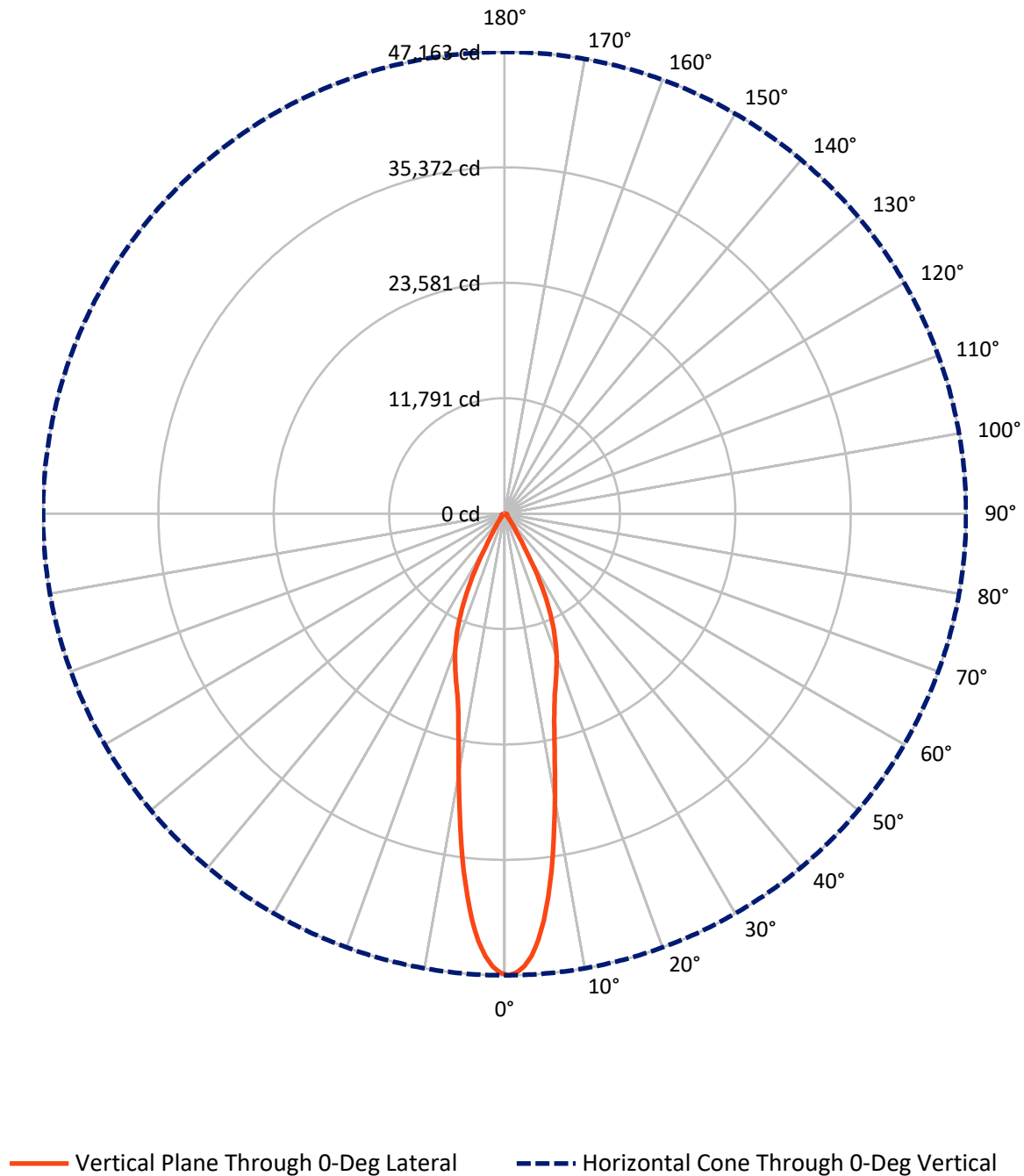


Based on 25 foot mounting height. Maximum calculated value = 75.5 fc

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	7867.7	0.0	7867.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7867.7	0.0	7867.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15735.3	0.0	15735.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3530.5	22.4
10°-20°	5506.0	35.0
20°-30°	4461.7	28.4
30°-40°	1082.8	6.9
40°-50°	364.4	2.3
50°-60°	288.0	1.8
60°-70°	287.3	1.8
70°-80°	158.5	1.0
80°-90°	56.2	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°	15735.3	100.0
0°-180°	15735.3	100.0

Coefficient of Utilization



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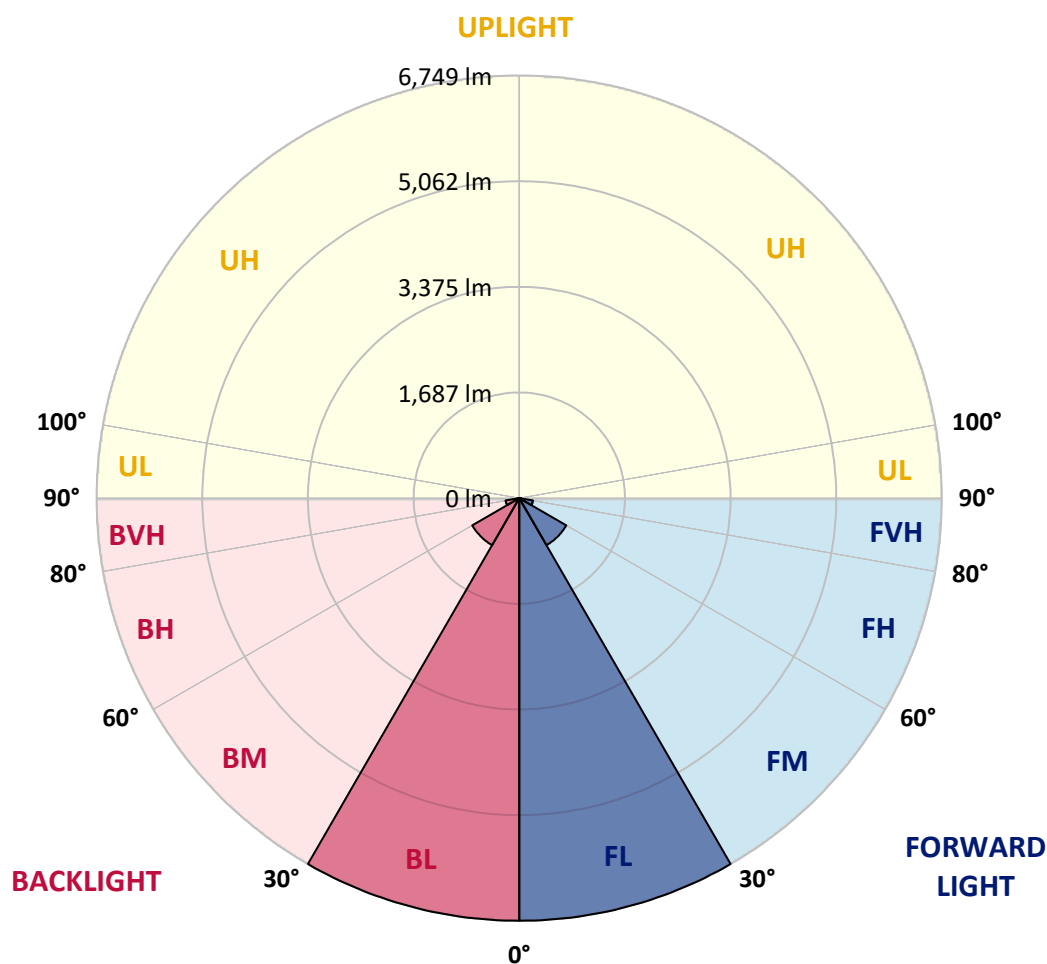
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6749.1	42.9			
FM	(30°-60°)	867.6	5.5			
FH	(60°-80°)	222.9	1.4			G0/660
FVH	(80°-90°)	28.1	0.2			G1/100
BL	(0°-30°)	6749.1	42.9	B5		
BM	(30°-60°)	867.6	5.5	B1/1000		
BH	(60°-80°)	222.9	1.4	B1/500		G0/660
BVH	(80°-90°)	28.1	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°	47162.7
1°	46917.2
2°	46286.3
3°	45240.0
4°	43737.2
5°	41798.5
6°	39423.9
7°	36769.3
8°	33887.6
9°	30987.5
10°	28213.7
11°	25717.4
12°	23530.9
13°	21734.4
14°	20302.7
15°	19176.2
17.5°	17090.6
20°	15149.6
22.5°	12875.9
25°	10235.1
27.5°	7224.9
30°	3925.6
32.5°	2257.6
35°	1507.4
37.5°	1027.9
40°	731.9
42.5°	566.7
45°	442.8
47.5°	362.5
50°	332.7
52.5°	316.6
55°	309.7
57.5°	321.2
60°	339.6
62.5°	332.7
65°	296.0
67.5°	254.7
70°	215.7
72.5°	179.0
75°	146.8
77.5°	119.3
80°	96.4
82.5°	78.0
85°	59.7
87.5°	20.6

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)