

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: P525472

Luminaire Tested: **IFLD-S-SA3C-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525472
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13936.8 lumens
Efficiency: N/A
Efficacy: 86.7 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

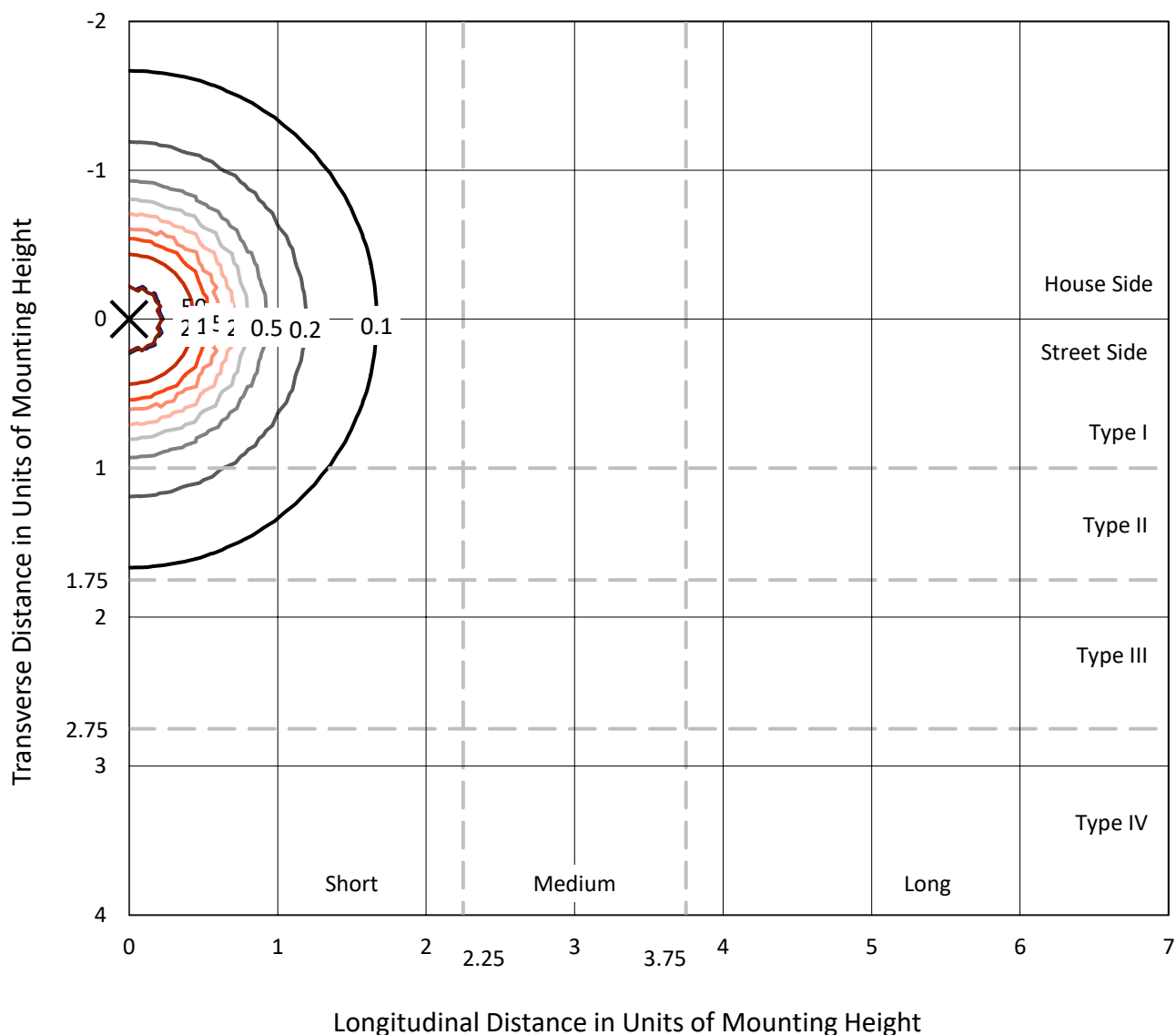
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

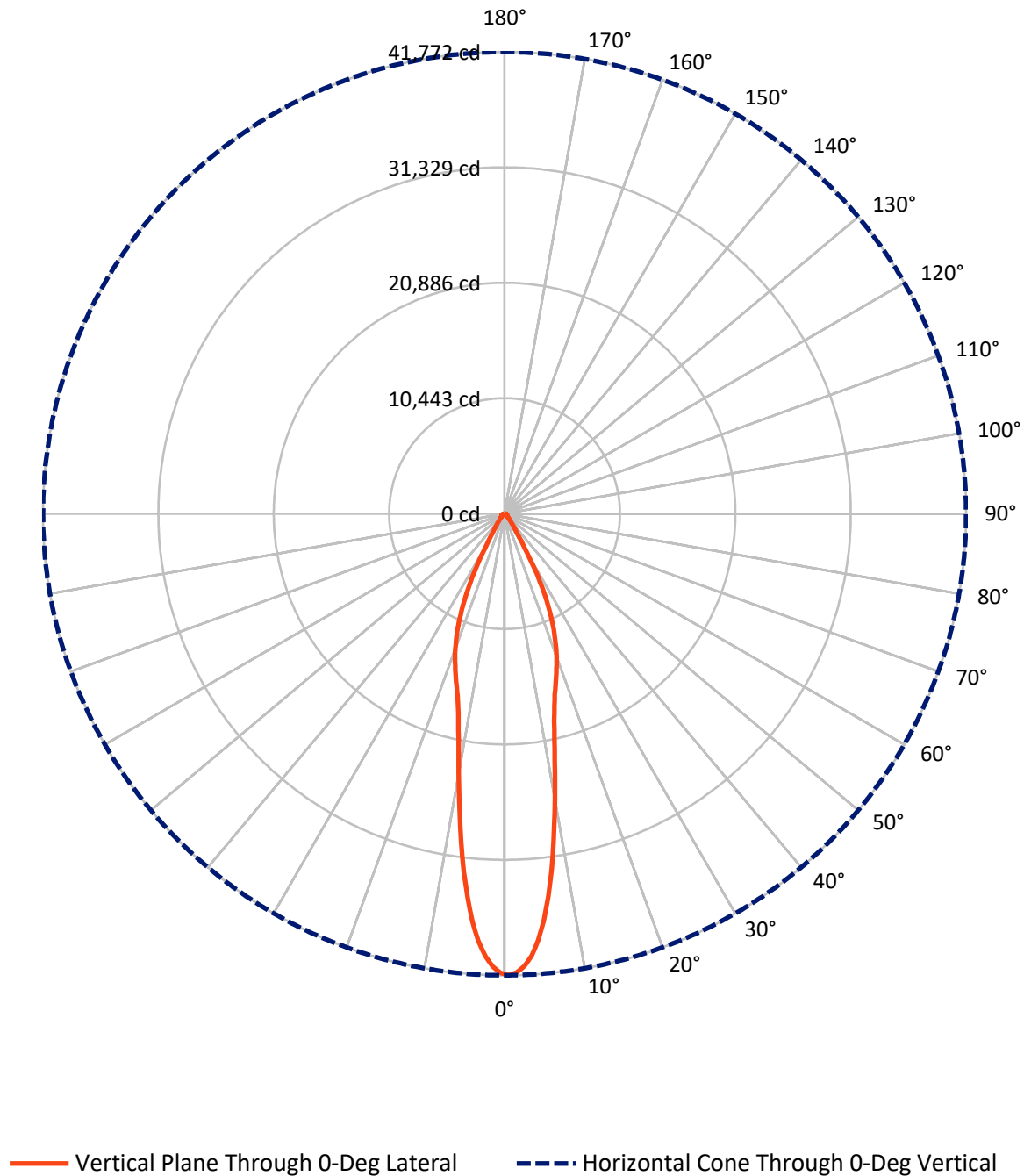


Based on 20 foot mounting height. Maximum calculated value = 104.4 fc

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	6968.4	0.0	6968.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6968.4	0.0	6968.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13936.8	0.0	13936.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3126.9	22.4
10°-20°	4876.6	35.0
20°-30°	3951.7	28.4
30°-40°	959.1	6.9
40°-50°	322.8	2.3
50°-60°	255.1	1.8
60°-70°	254.4	1.8
70°-80°	140.4	1.0
80°-90°	49.8	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°	13936.8	100.0
0°-180°	13936.8	100.0

Coefficient of Utilization



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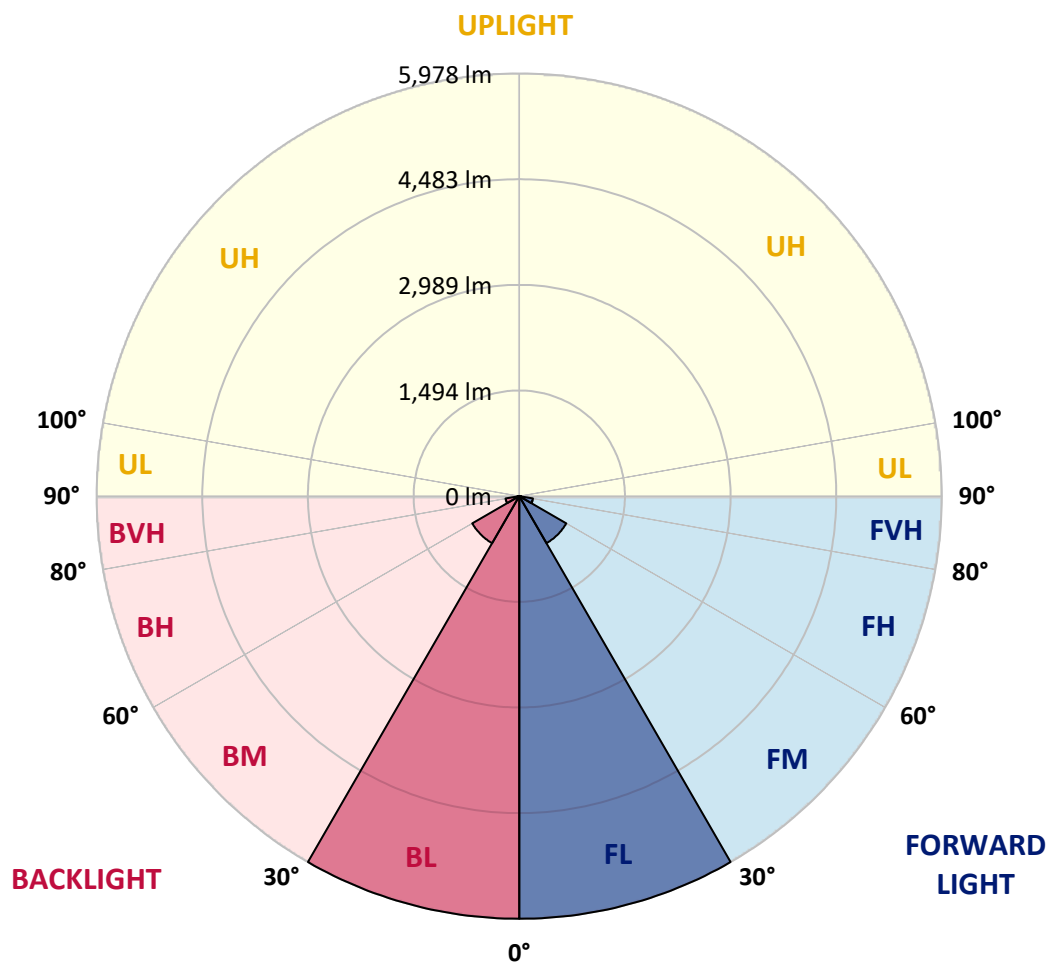
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5977.6	42.9			
FM	(30°-60°)	768.4	5.5			
FH	(60°-80°)	197.4	1.4			G0/660
FVH	(80°-90°)	24.9	0.2			G1/100
BL	(0°-30°)	5977.6	42.9	B5		
BM	(30°-60°)	768.4	5.5	B1/1000		
BH	(60°-80°)	197.4	1.4	B1/500		G0/660
BVH	(80°-90°)	24.9	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°	41772.0
1°	41554.6
2°	40995.7
3°	40069.1
4°	38738.1
5°	37020.9
6°	34917.7
7°	32566.6
8°	30014.2
9°	27445.7
10°	24988.8
11°	22777.9
12°	20841.3
13°	19250.2
14°	17982.1
15°	16984.4
17.5°	15137.2
20°	13418.0
22.5°	11404.2
25°	9065.2
27.5°	6399.1
30°	3476.9
32.5°	1999.6
35°	1335.1
37.5°	910.4
40°	648.2
42.5°	501.9
45°	392.2
47.5°	321.1
50°	294.7
52.5°	280.4
55°	274.3
57.5°	284.5
60°	300.8
62.5°	294.7
65°	262.1
67.5°	225.6
70°	191.0
72.5°	158.5
75°	130.1
77.5°	105.7
80°	85.3
82.5°	69.1
85°	52.8
87.5°	18.3

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)