

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: P525565

Luminaire Tested: **IFLD-S-SA6C-940-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525565
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30867.3 lumens
Efficiency: N/A
Efficacy: 96.0 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): 321.5
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

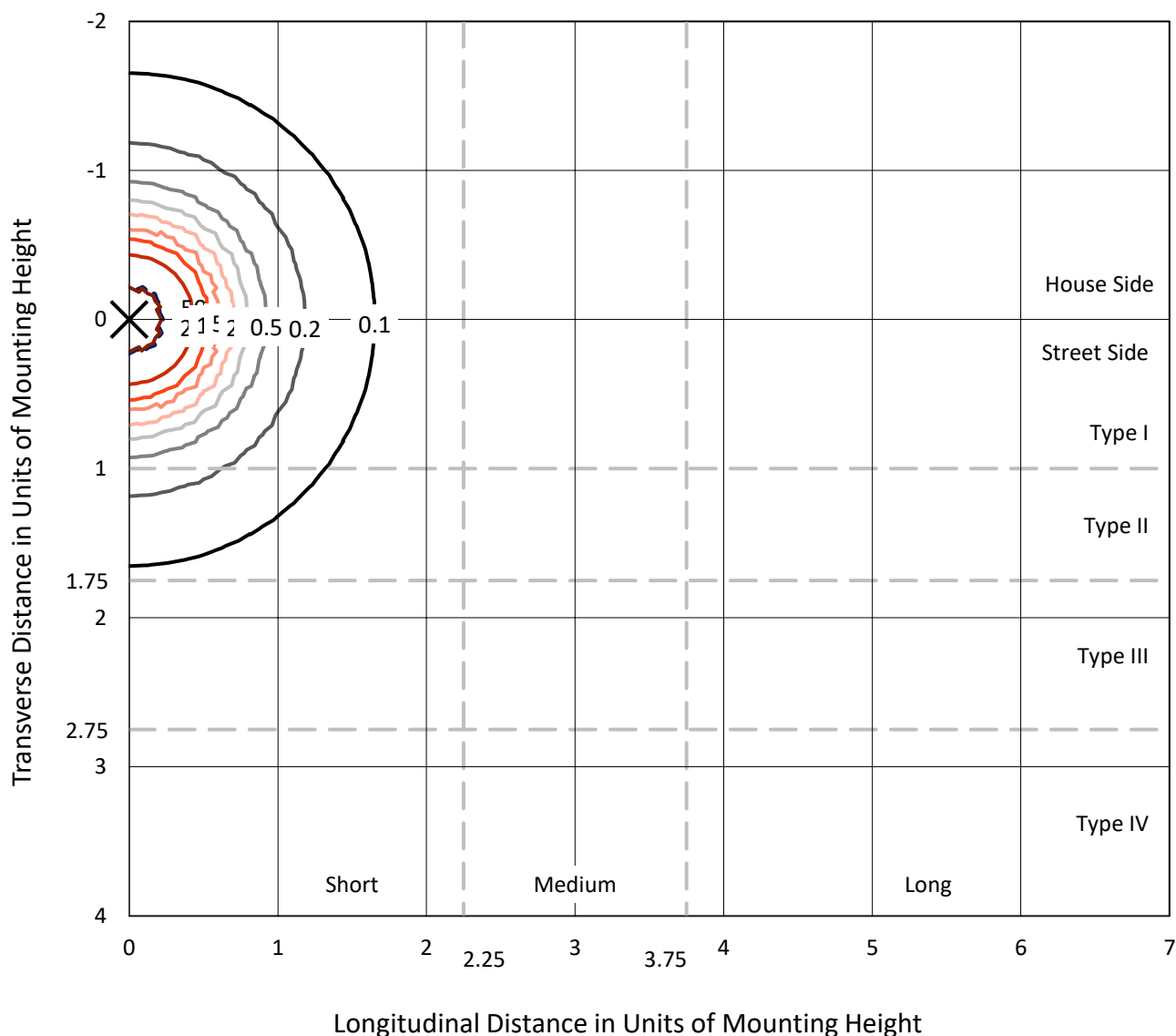
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

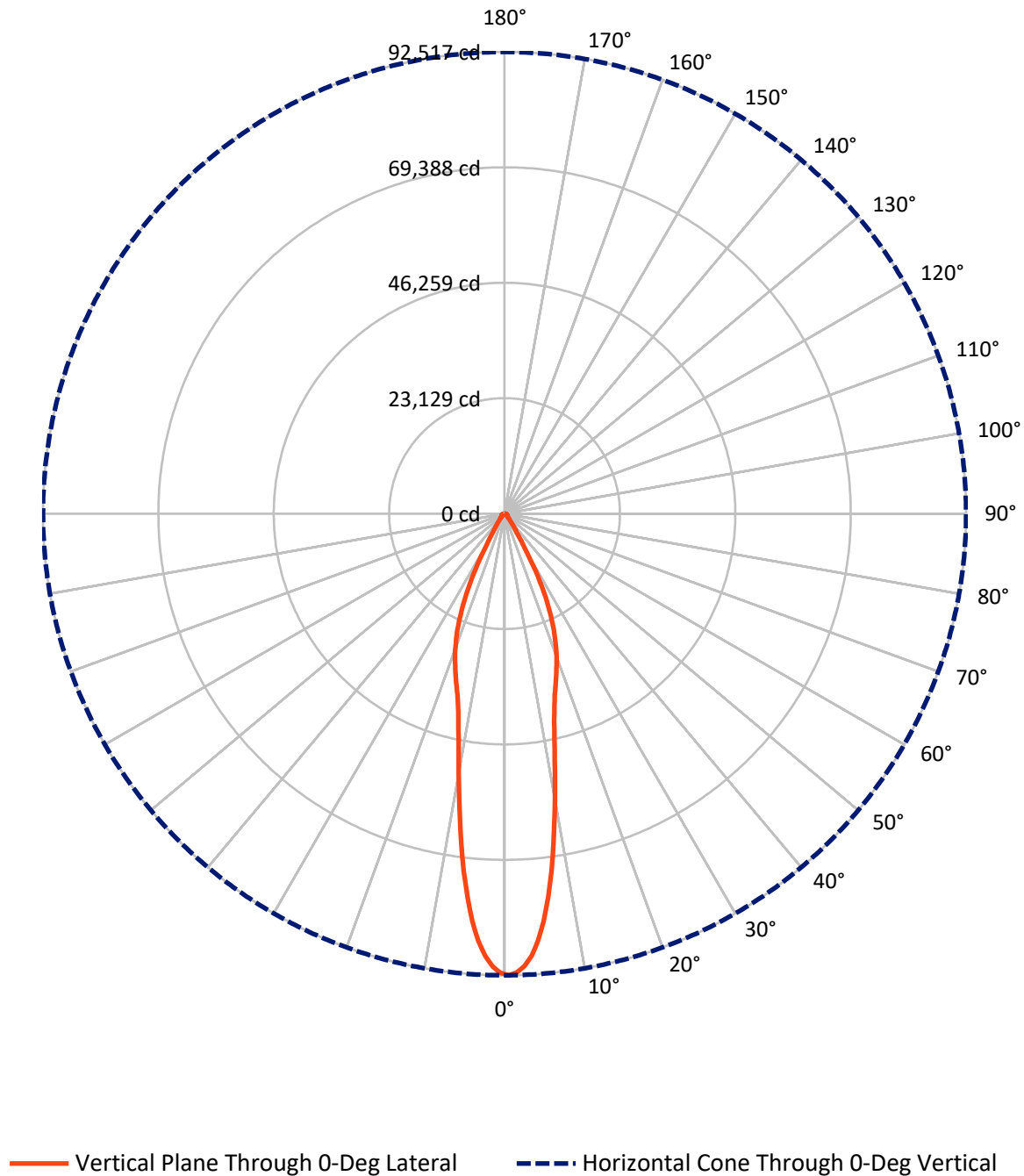


Based on 30 foot mounting height. Maximum calculated value = 102.8 fc

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	15433.6	0.0	15433.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15433.6	0.0	15433.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	30867.3	0.0	30867.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6925.6	22.4
10°-20°	10800.8	35.0
20°-30°	8752.3	28.4
30°-40°	2124.2	6.9
40°-50°	714.9	2.3
50°-60°	564.9	1.8
60°-70°	563.5	1.8
70°-80°	310.9	1.0
80°-90°	110.2	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°	30867.3	100.0
0°-180°	30867.3	100.0

Coefficient of Utilization



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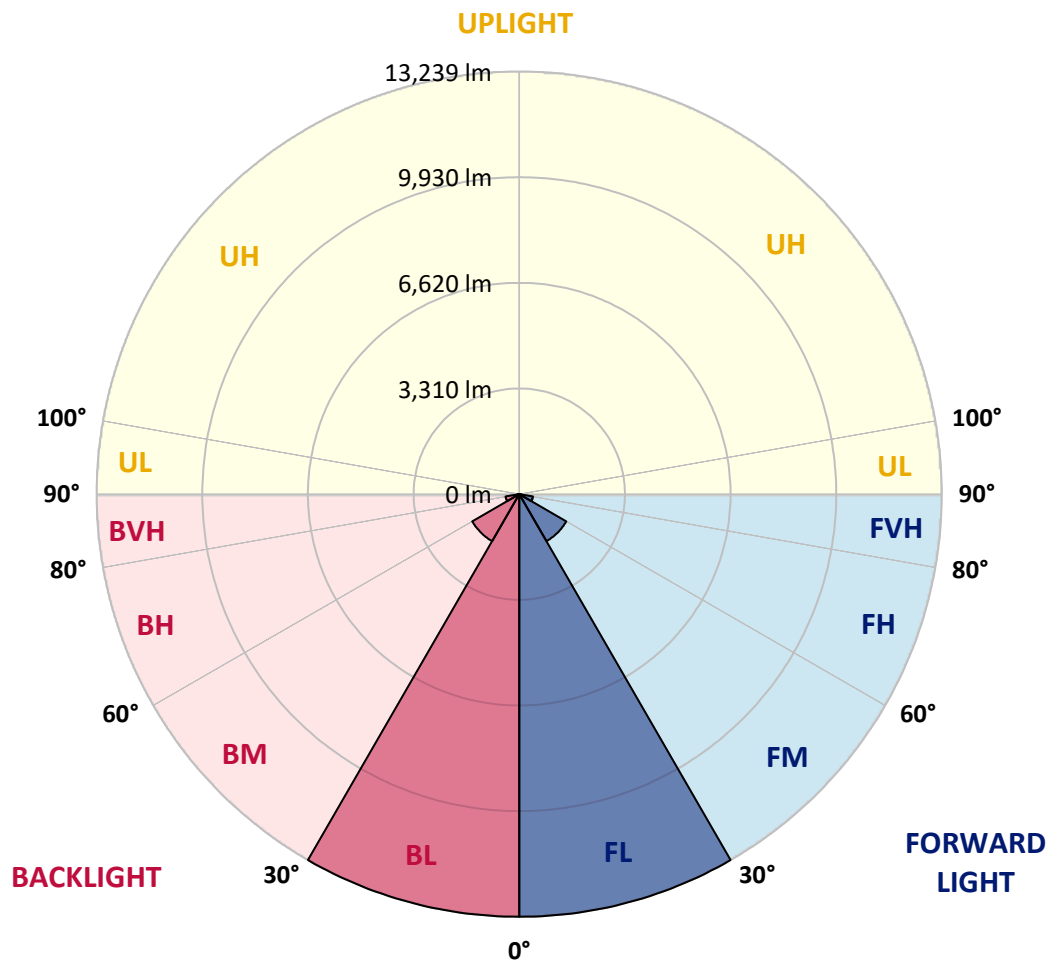
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13239.4	42.9			
FM	(30°-60°)	1702.0	5.5			
FH	(60°-80°)	437.2	1.4			G0/660
FVH	(80°-90°)	55.1	0.2			G1/100
BL	(0°-30°)	13239.4	42.9	B5		
BM	(30°-60°)	1702.0	5.5	B2/2500		
BH	(60°-80°)	437.2	1.4	B1/500		G0/660
BVH	(80°-90°)	55.1	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°	92517.2
1°	92035.6
2°	90797.9
3°	88745.5
4°	85797.6
5°	81994.4
6°	77336.2
7°	72128.8
8°	66475.9
9°	60787.0
10°	55345.6
11°	50448.8
12°	46159.6
13°	42635.5
14°	39827.0
15°	37617.2
17.5°	33526.0
20°	29718.4
22.5°	25258.1
25°	20077.8
27.5°	14172.8
30°	7700.8
32.5°	4428.7
35°	2957.0
37.5°	2016.3
40°	1435.7
42.5°	1111.7
45°	868.6
47.5°	711.1
50°	652.6
52.5°	621.1
55°	607.6
57.5°	630.1
60°	666.1
62.5°	652.6
65°	580.6
67.5°	499.6
70°	423.1
72.5°	351.1
75°	288.0
77.5°	234.0
80°	189.0
82.5°	153.0
85°	117.0
87.5°	40.5



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)