

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: P525567

Luminaire Tested: **IFLD-S-SA6E-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525567
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 39307 lumens
Efficiency: N/A
Efficacy: 84.7 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): 464.2
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

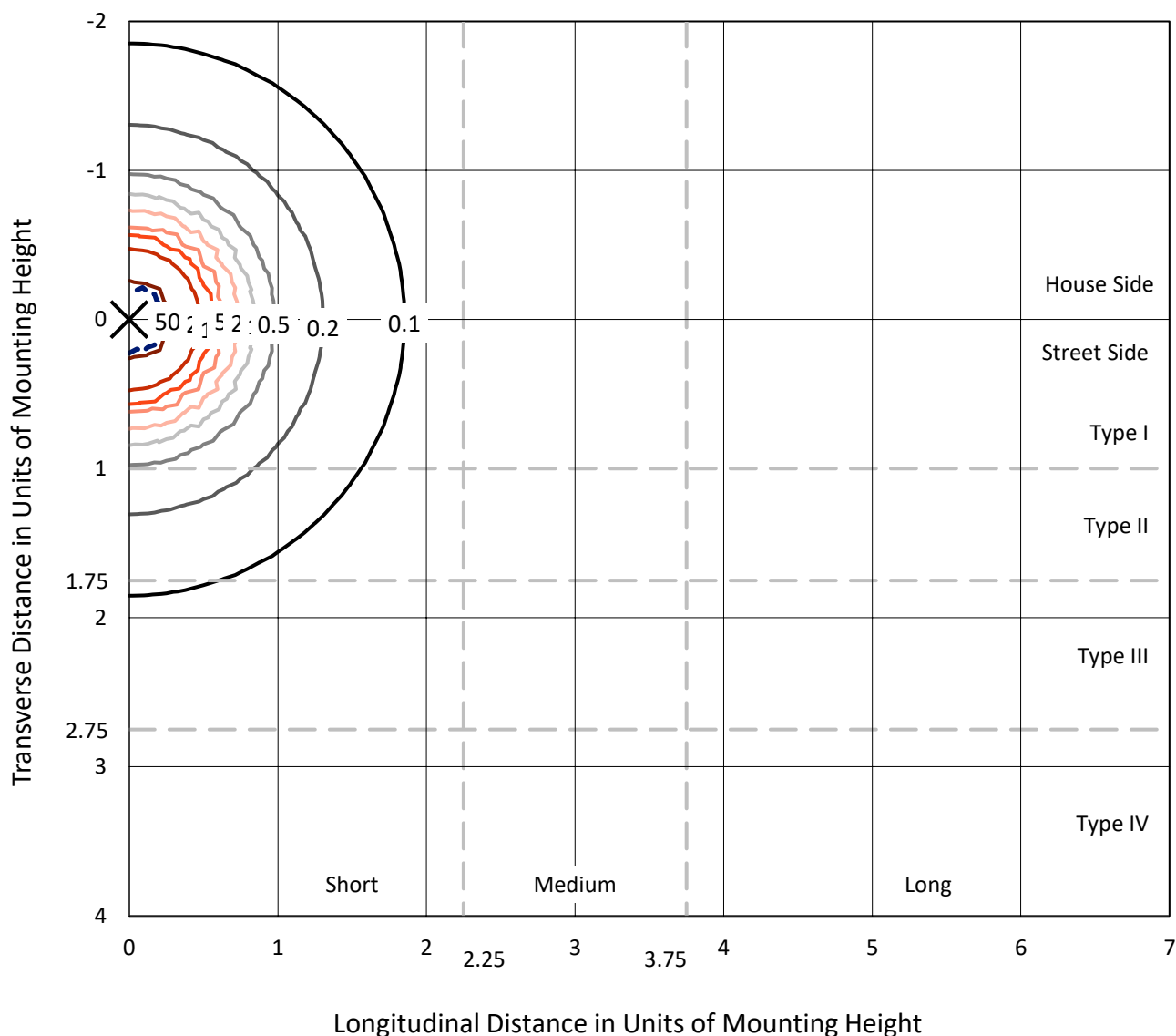
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

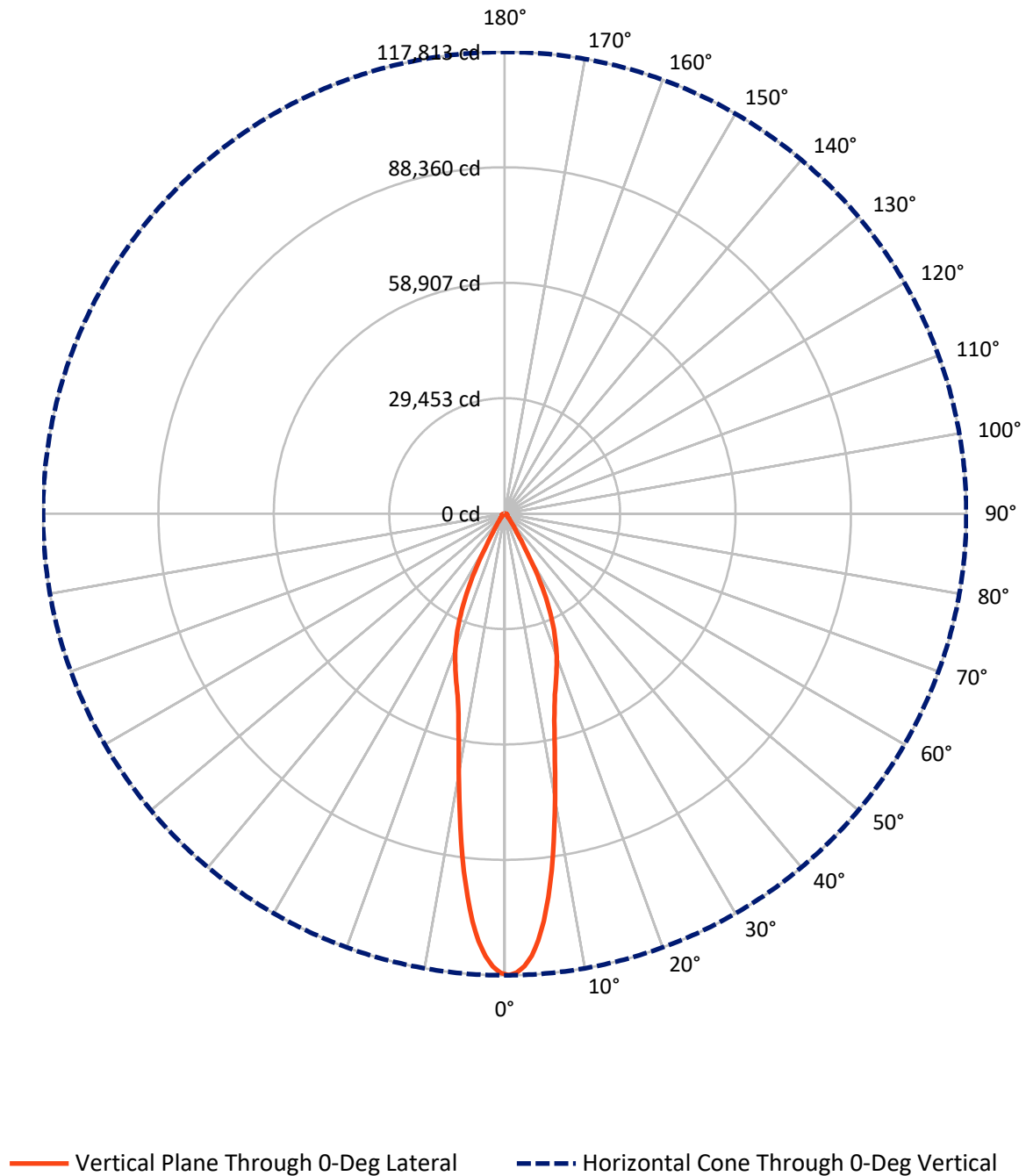


Based on 30 foot mounting height. Maximum calculated value = 130.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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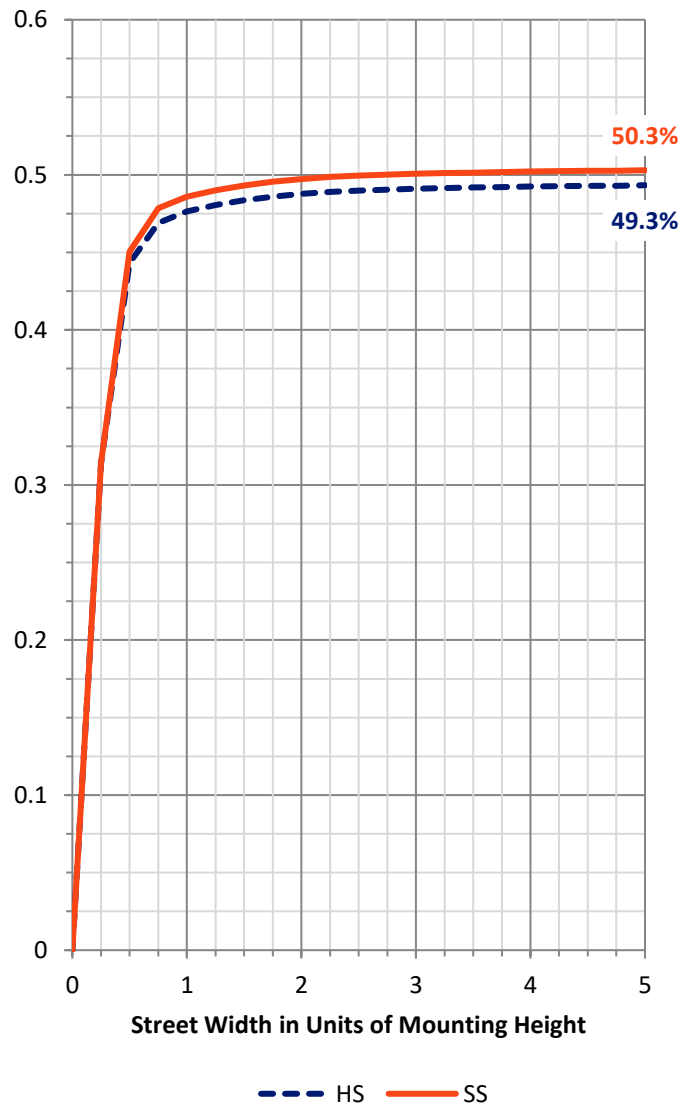
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19653.5	0.0	19653.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19653.5	0.0	19653.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39307.0	0.0	39307.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8819.2	22.4
10°-20°	13754.0	35.0
20°-30°	11145.4	28.4
30°-40°	2704.9	6.9
40°-50°	910.3	2.3
50°-60°	719.4	1.8
60°-70°	717.5	1.8
70°-80°	396.0	1.0
80°-90°	140.4	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°	39307.0	100.0
0°-180°	39307.0	100.0

Coefficient of Utilization



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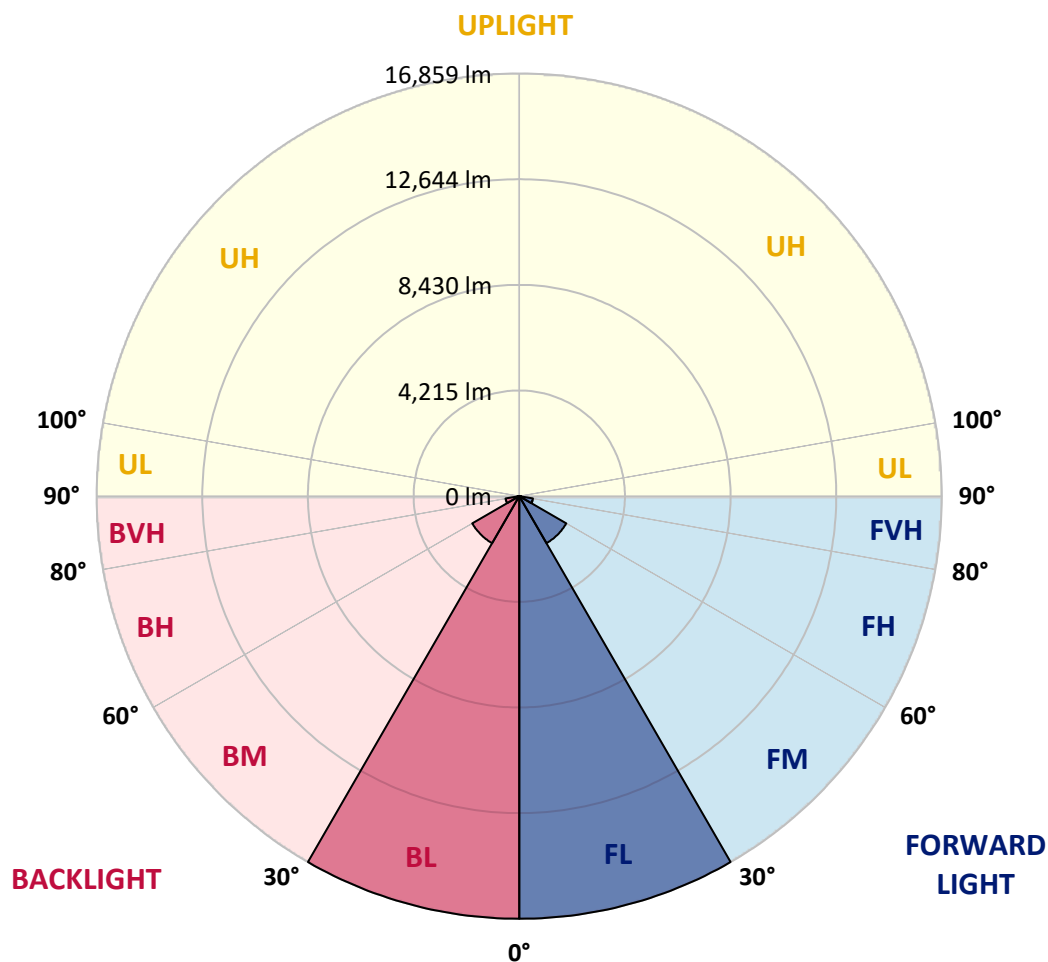
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16859.3	42.9			
FM	(30°-60°)	2167.3	5.5			
FH	(60°-80°)	556.7	1.4			G0/660
FVH	(80°-90°)	70.2	0.2			G1/100
BL	(0°-30°)	16859.3	42.9	B5		
BM	(30°-60°)	2167.3	5.5	B2/2500		
BH	(60°-80°)	556.7	1.4	B2/1000		G0/660
BVH	(80°-90°)	70.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	117813.3
1°	117200.1
2°	115624.0
3°	113010.5
4°	109256.4
5°	104413.5
6°	98481.5
7°	91850.4
8°	84651.8
9°	77407.4
10°	70478.2
11°	64242.5
12°	58780.6
13°	54292.9
14°	50716.6
15°	47902.5
17.5°	42692.7
20°	37844.0
22.5°	32164.3
25°	25567.5
27.5°	18048.0
30°	9806.3
32.5°	5639.6
35°	3765.5
37.5°	2567.6
40°	1828.3
42.5°	1415.6
45°	1106.1
47.5°	905.6
50°	831.0
52.5°	790.9
55°	773.7
57.5°	802.4
60°	848.2
62.5°	831.0
65°	739.3
67.5°	636.2
70°	538.7
72.5°	447.0
75°	366.8
77.5°	298.0
80°	240.7
82.5°	194.9
85°	149.0
87.5°	51.6

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)