

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: P525473

Luminaire Tested: **IFLD-S-SA3D-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525473
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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: 15334.9 lumens
Efficiency: N/A
Efficacy: 83.3 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): 184.1
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

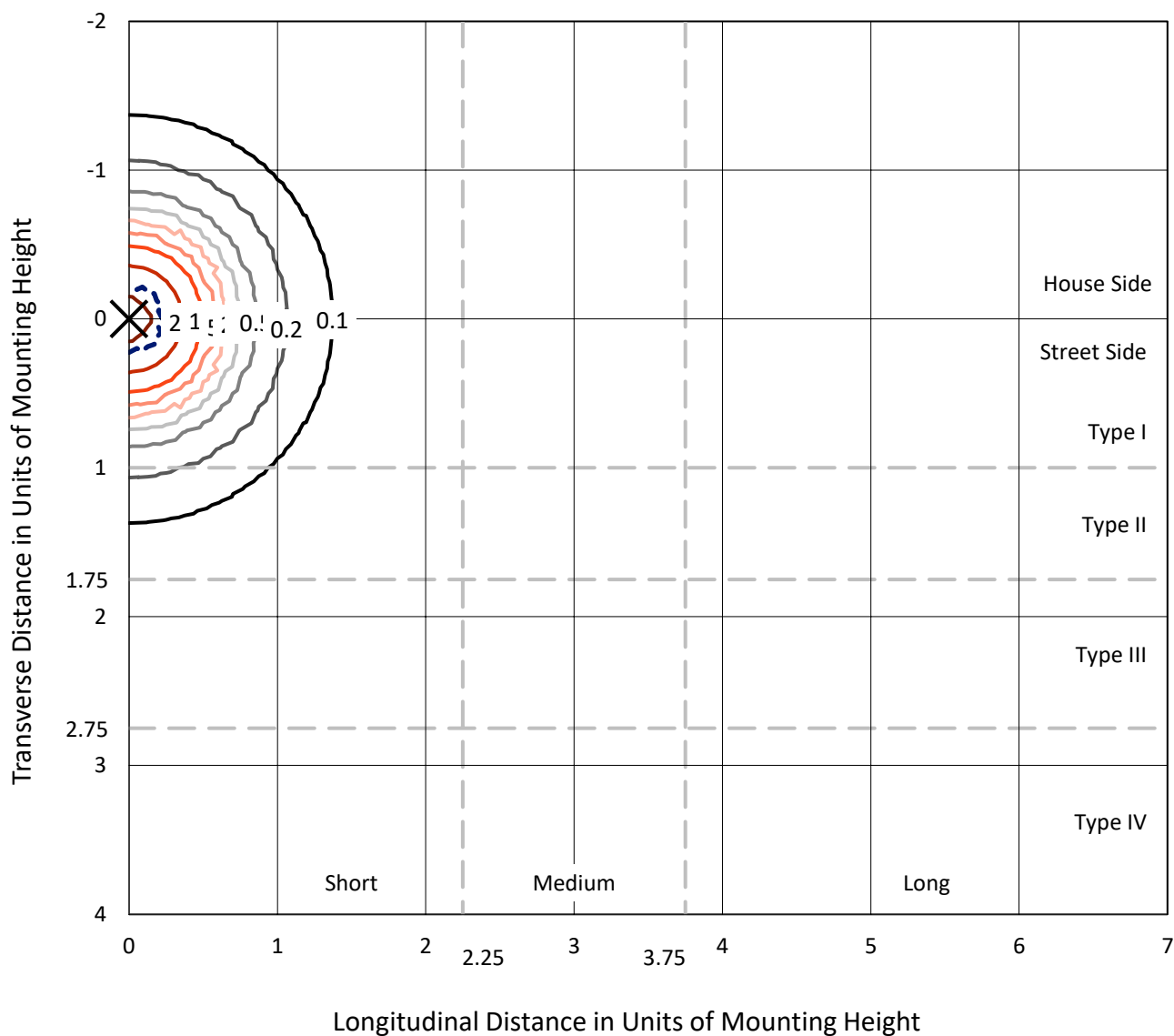
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

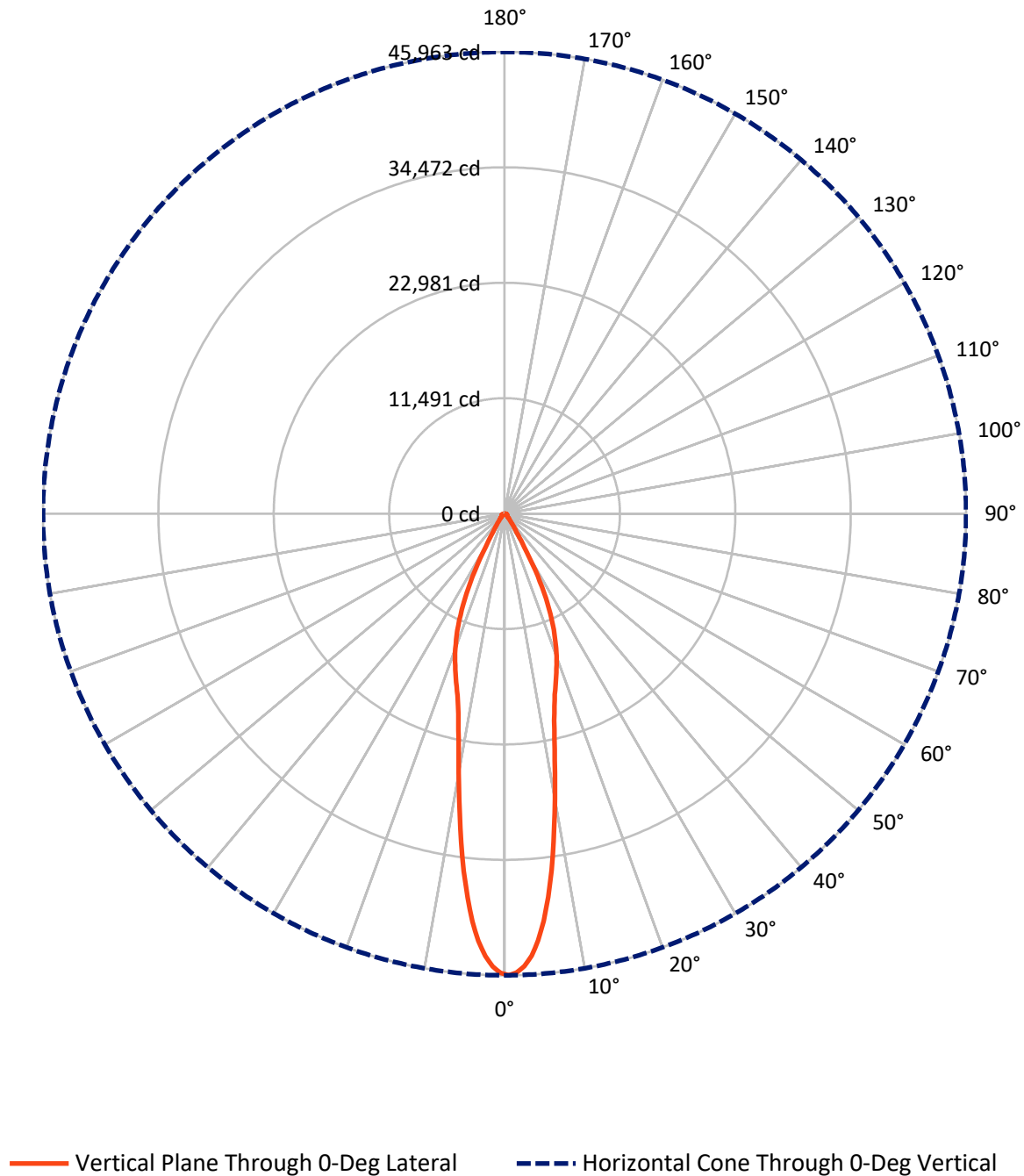


Based on 25 foot mounting height. Maximum calculated value = 73.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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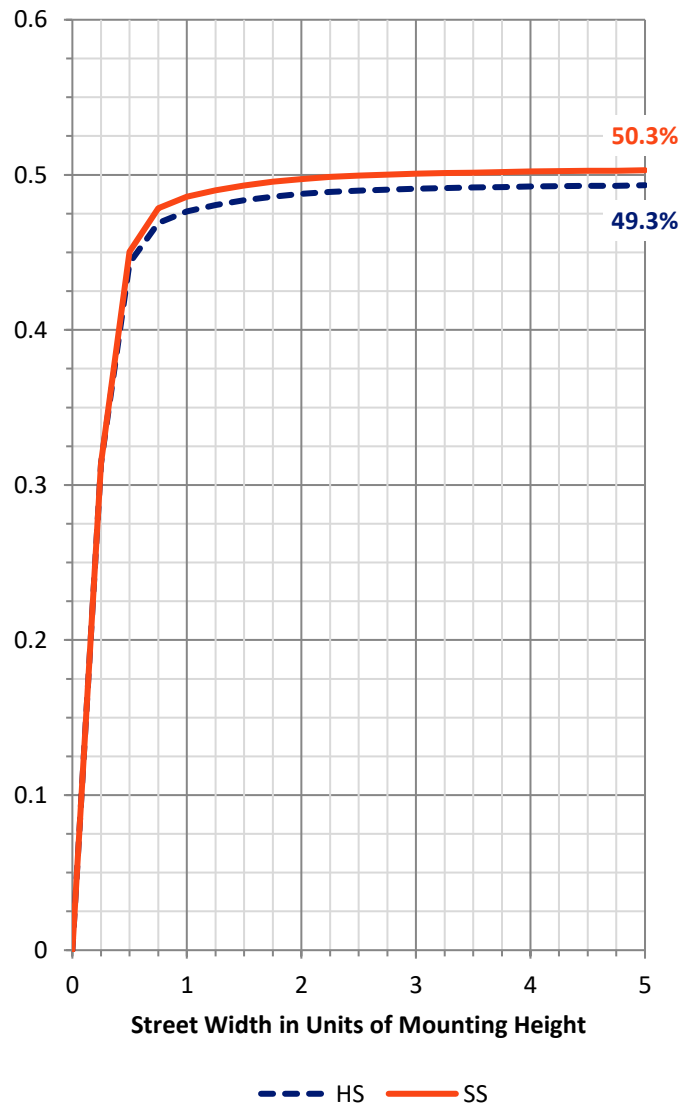
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7667.5	0.0	7667.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7667.5	0.0	7667.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15334.9	0.0	15334.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3440.6	22.4
10°-20°	5365.9	35.0
20°-30°	4348.2	28.4
30°-40°	1055.3	6.9
40°-50°	355.1	2.3
50°-60°	280.7	1.8
60°-70°	279.9	1.8
70°-80°	154.5	1.0
80°-90°	54.7	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°	15334.9	100.0
0°-180°	15334.9	100.0

Coefficient of Utilization



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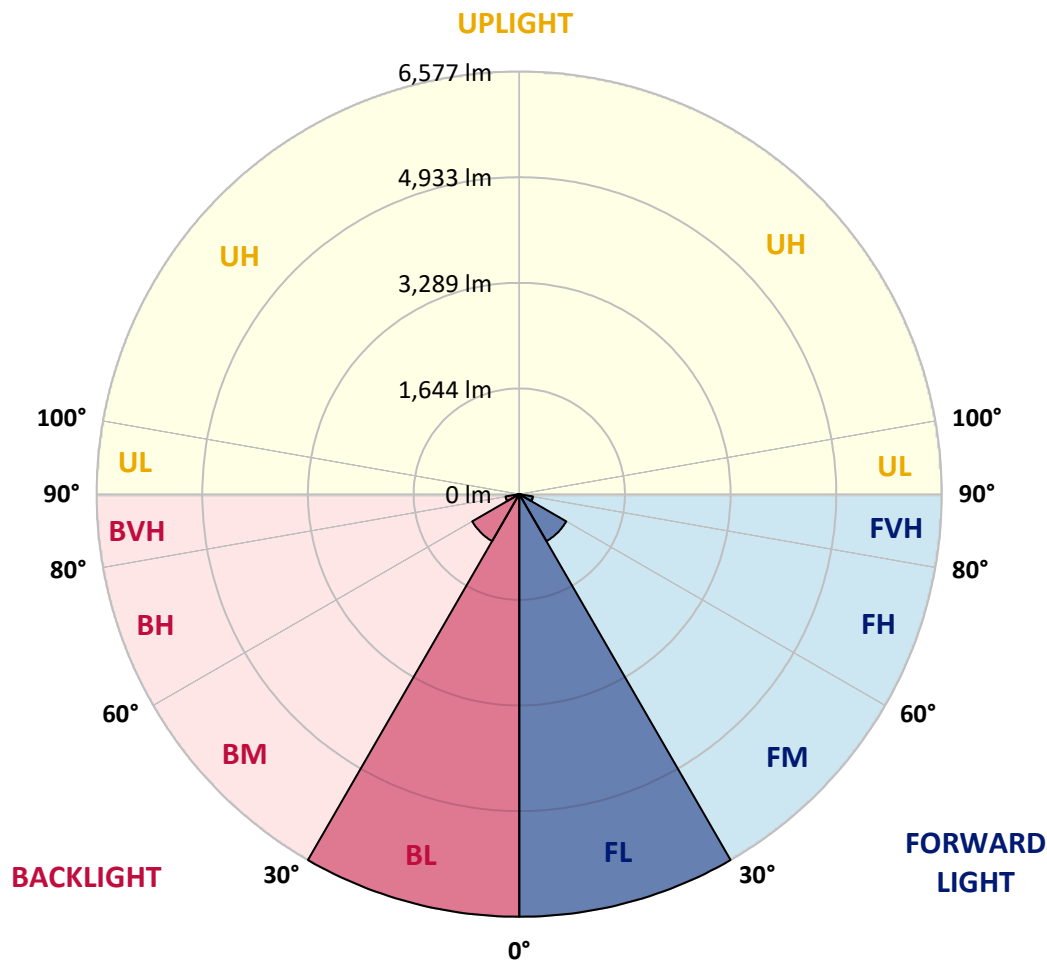
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6577.3	42.9			
FM	(30°-60°)	845.5	5.5			
FH	(60°-80°)	217.2	1.4			G0/660
FVH	(80°-90°)	27.4	0.2			G1/100
BL	(0°-30°)	6577.3	42.9	B5		
BM	(30°-60°)	845.5	5.5	B1/1000		
BH	(60°-80°)	217.2	1.4	B1/500		G0/660
BVH	(80°-90°)	27.4	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°	45962.7
1°	45723.4
2°	45108.5
3°	44088.9
4°	42624.4
5°	40735.0
6°	38420.7
7°	35833.7
8°	33025.3
9°	30199.1
10°	27495.8
11°	25063.0
12°	22932.2
13°	21181.4
14°	19786.1
15°	18688.3
17.5°	16655.8
20°	14764.1
22.5°	12548.3
25°	9974.7
27.5°	7041.1
30°	3825.8
32.5°	2200.2
35°	1469.0
37.5°	1001.7
40°	713.3
42.5°	552.3
45°	431.5
47.5°	353.3
50°	324.2
52.5°	308.6
55°	301.9
57.5°	313.0
60°	330.9
62.5°	324.2
65°	288.4
67.5°	248.2
70°	210.2
72.5°	174.4
75°	143.1
77.5°	116.3
80°	93.9
82.5°	76.0
85°	58.1
87.5°	20.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)