

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: P525552

Luminaire Tested: **IFLD-S-SA3E-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525552
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 20037.4 lumens
Efficiency: N/A
Efficacy: 86.3 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): 232.1
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

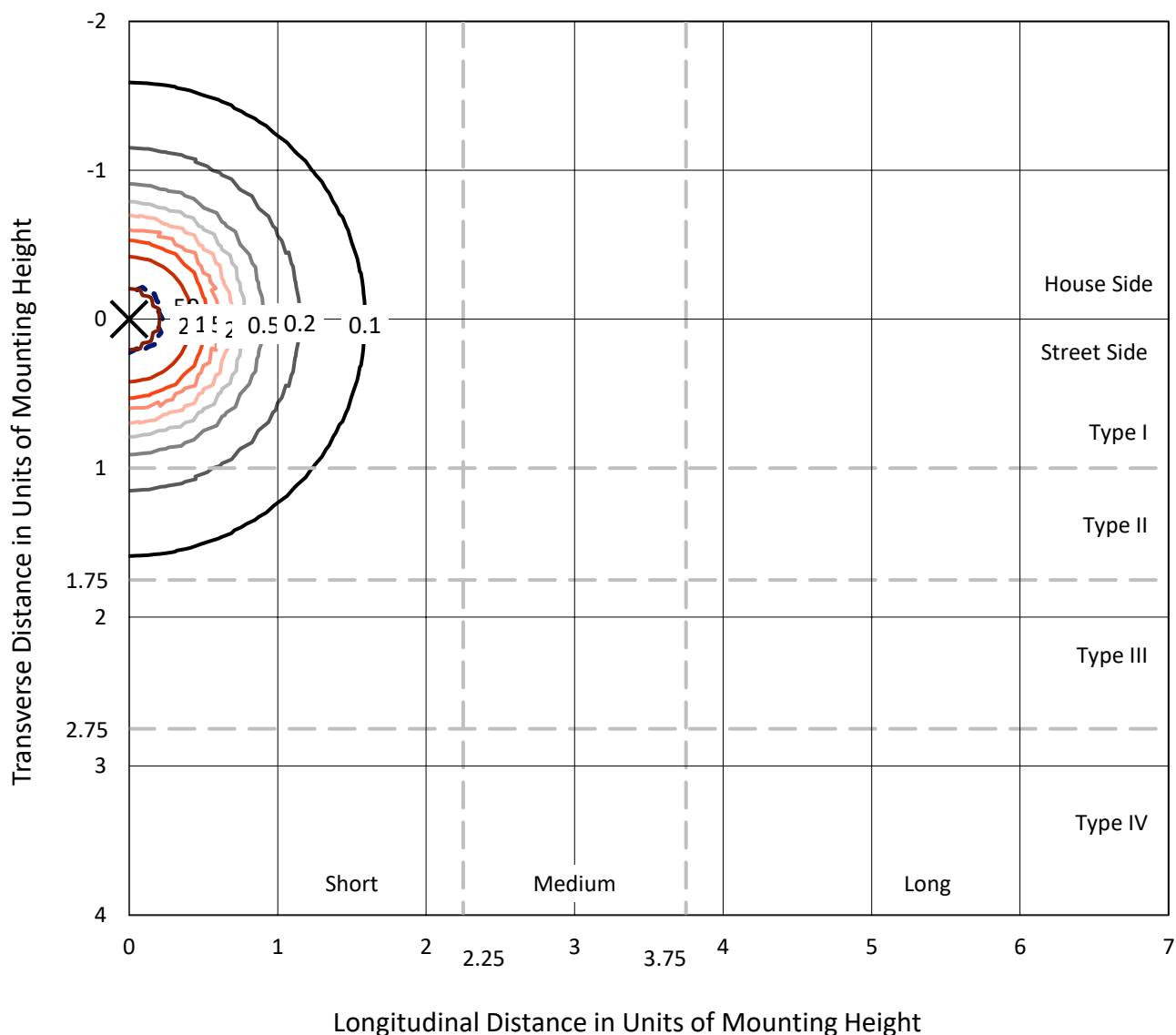
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

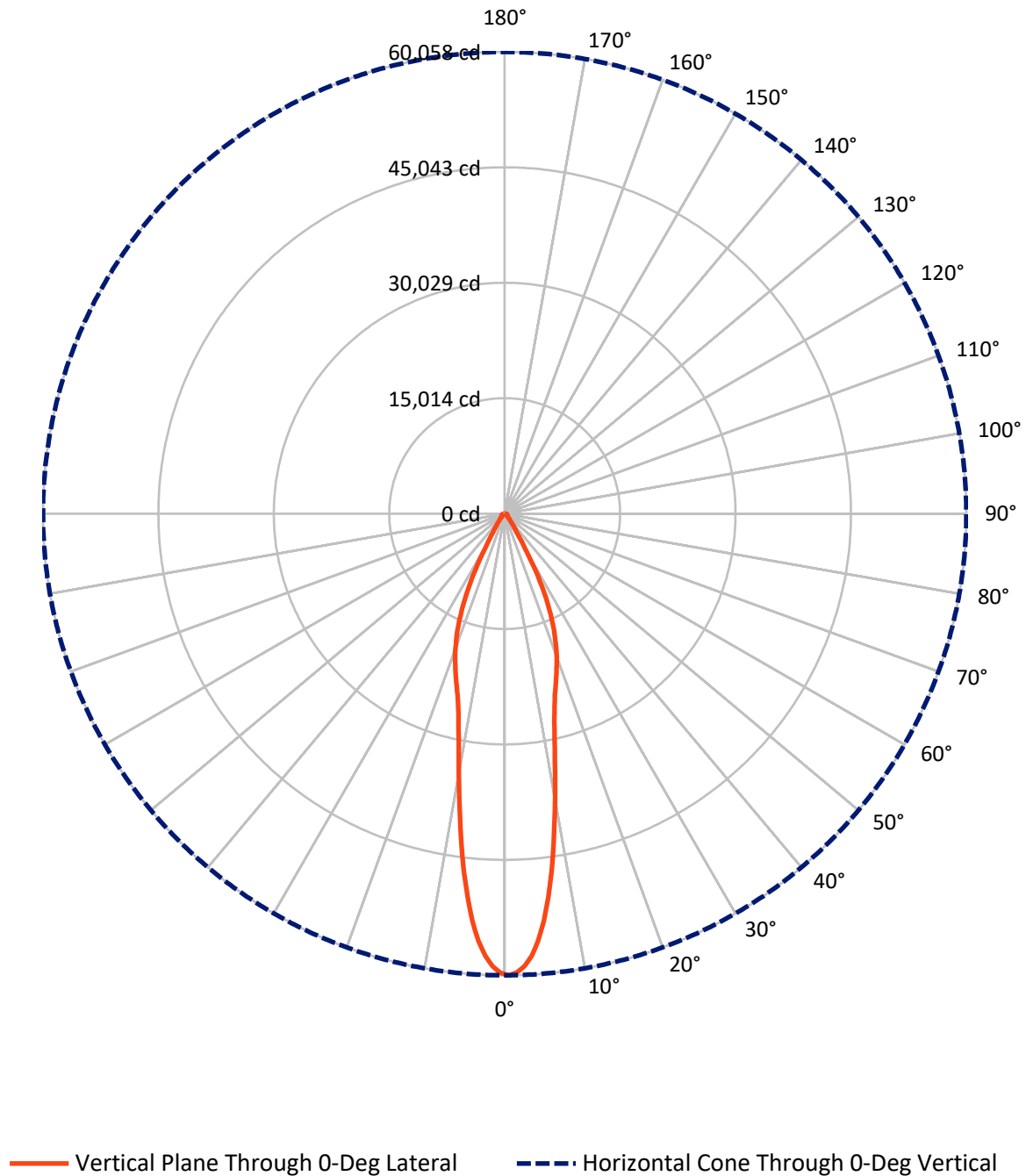


Based on 25 foot mounting height. Maximum calculated value = 96.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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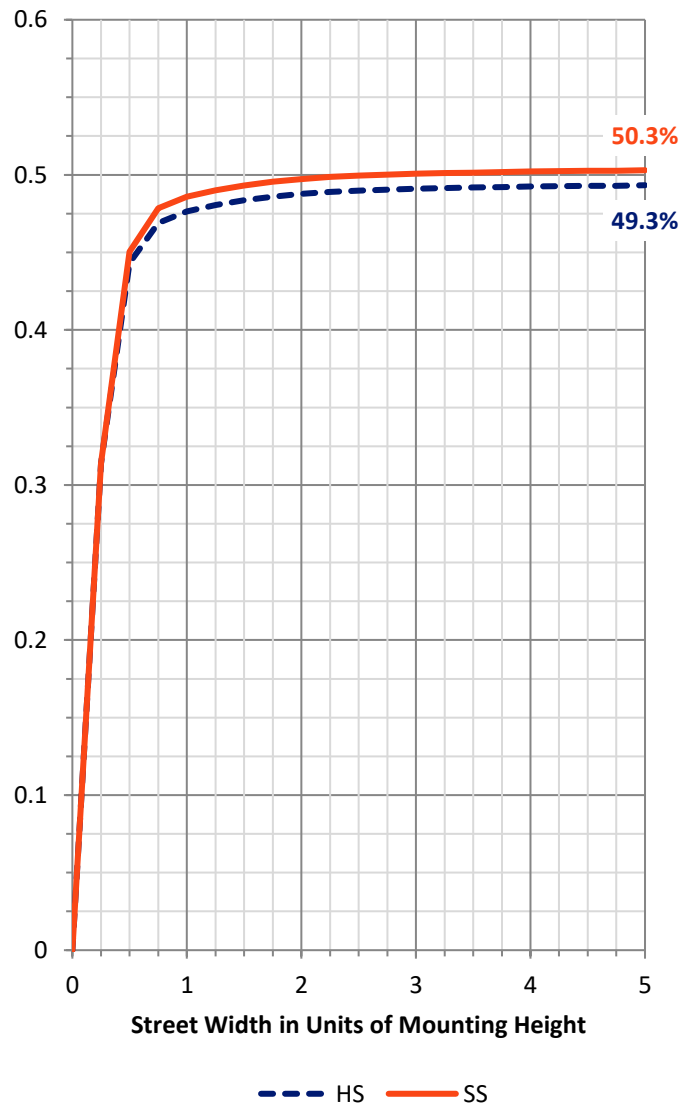
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10018.7	0.0	10018.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10018.7	0.0	10018.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20037.4	0.0	20037.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4495.7	22.4
10°-20°	7011.4	35.0
20°-30°	5681.5	28.4
30°-40°	1378.9	6.9
40°-50°	464.0	2.3
50°-60°	366.7	1.8
60°-70°	365.8	1.8
70°-80°	201.9	1.0
80°-90°	71.6	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°	20037.4	100.0
0°-180°	20037.4	100.0

Coefficient of Utilization



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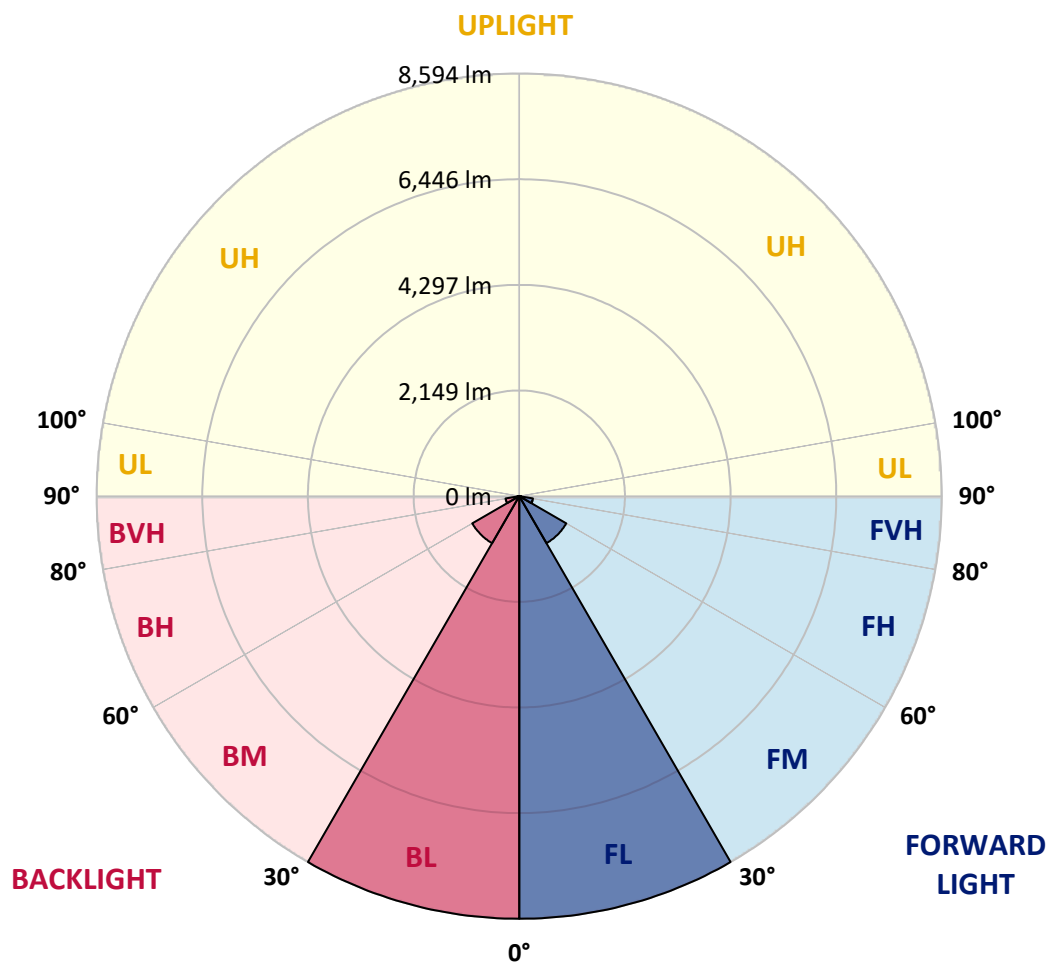
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8594.3	42.9			
FM	(30°-60°)	1104.8	5.5			
FH	(60°-80°)	283.8	1.4			G0/660
FVH	(80°-90°)	35.8	0.2			G1/100
BL	(0°-30°)	8594.3	42.9	B5		
BM	(30°-60°)	1104.8	5.5	B2/2500		
BH	(60°-80°)	283.8	1.4	B1/500		G0/660
BVH	(80°-90°)	35.8	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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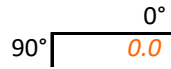
CANDELA DISTRIBUTION (FULL):

0°	
0°	60057.5
1°	59744.9
2°	58941.4
3°	57609.1
4°	55695.4
5°	53226.7
6°	50202.7
7°	46822.4
8°	43152.8
9°	39459.8
10°	35927.6
11°	32748.8
12°	29964.5
13°	27676.8
14°	25853.7
15°	24419.2
17.5°	21763.4
20°	19291.7
22.5°	16396.3
25°	13033.5
27.5°	9200.3
30°	4998.9
32.5°	2874.9
35°	1919.5
37.5°	1308.9
40°	932.0
42.5°	721.6
45°	563.9
47.5°	461.6
50°	423.6
52.5°	403.2
55°	394.4
57.5°	409.0
60°	432.4
62.5°	423.6
65°	376.9
67.5°	324.3
70°	274.6
72.5°	227.9
75°	187.0
77.5°	151.9
80°	122.7
82.5°	99.3
85°	76.0
87.5°	26.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)