

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: P525543

Luminaire Tested: **IFLD-S-SA2A-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525543
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6858.3 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

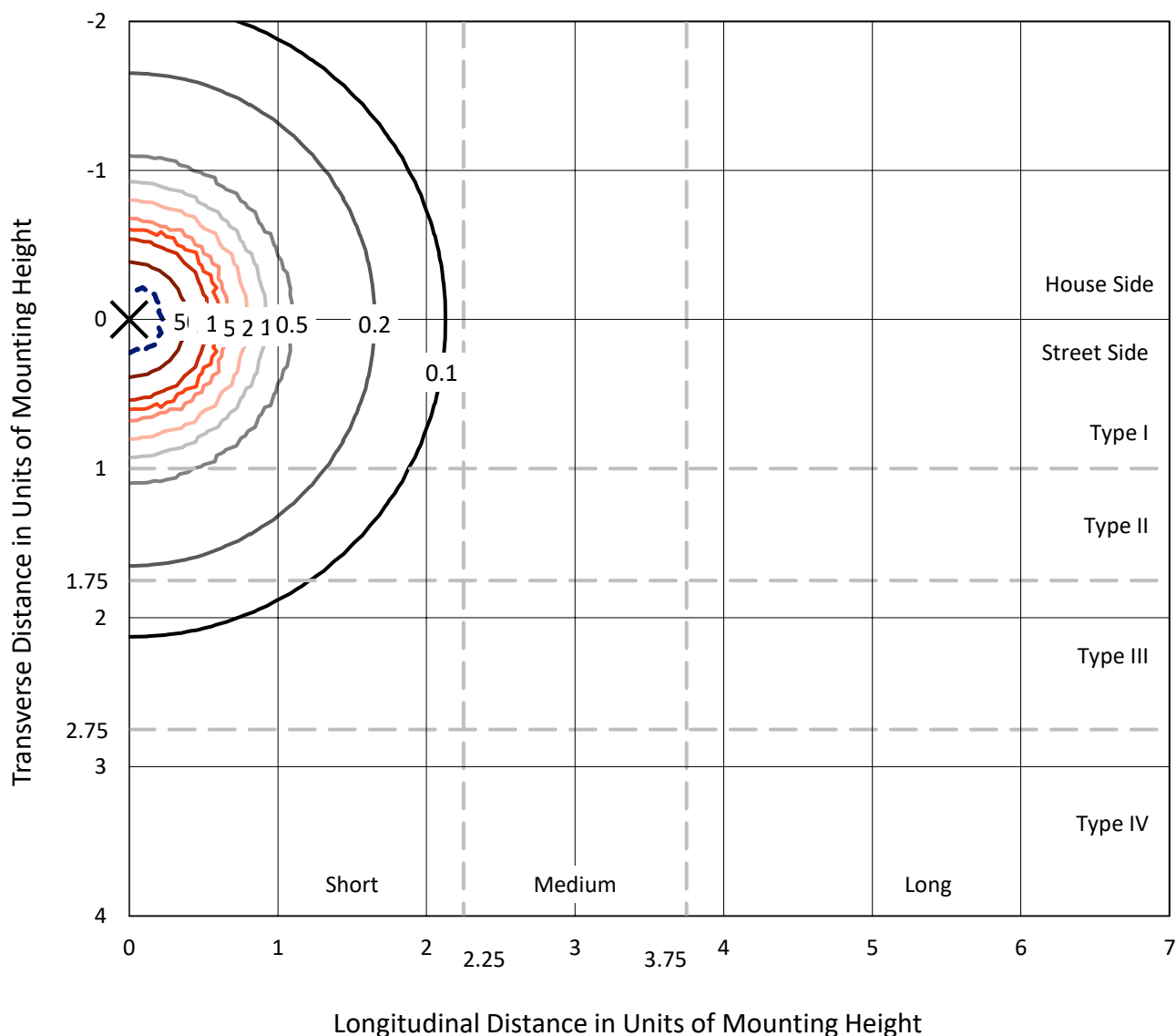
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

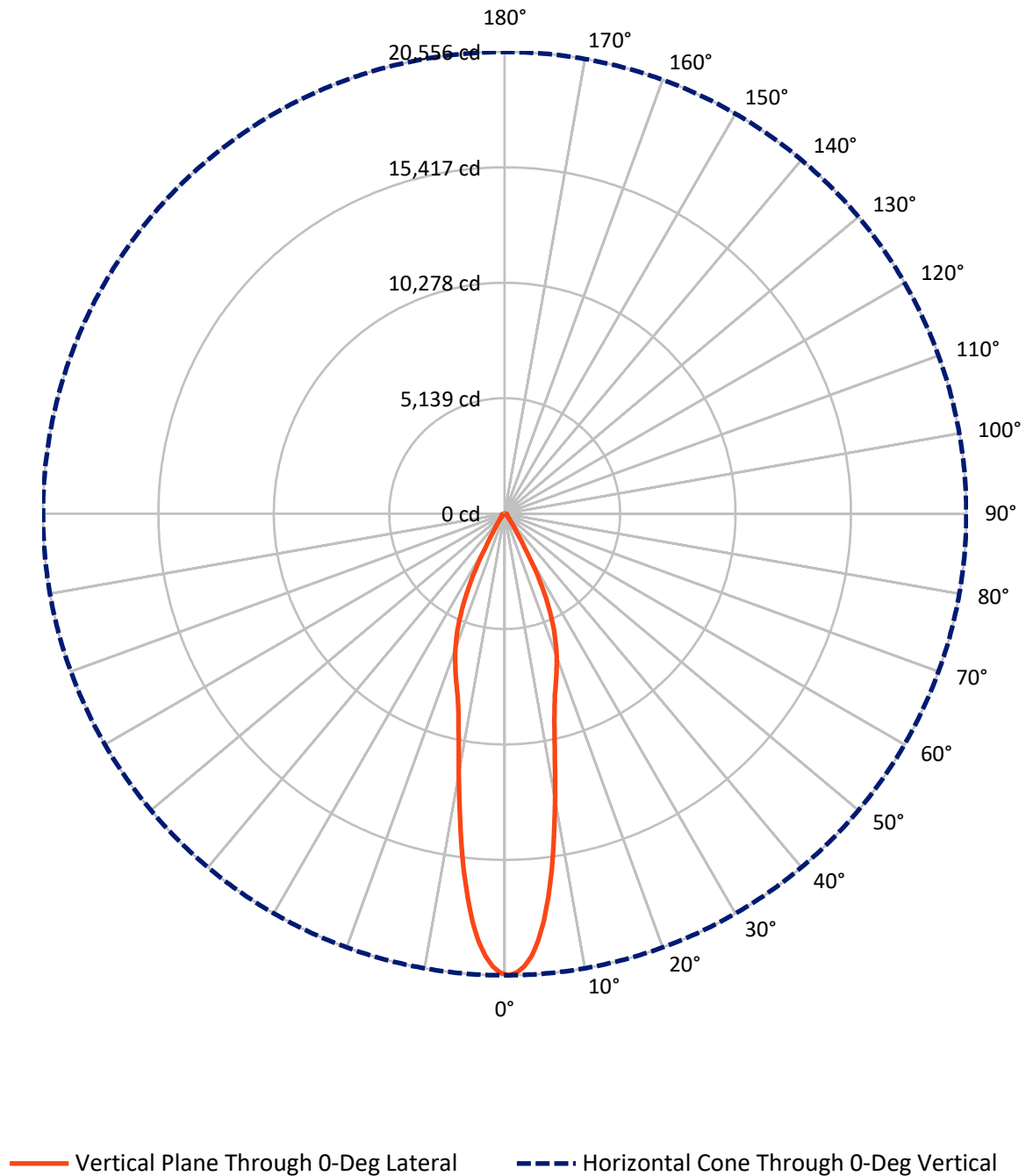


Based on 10 foot mounting height. Maximum calculated value = 205.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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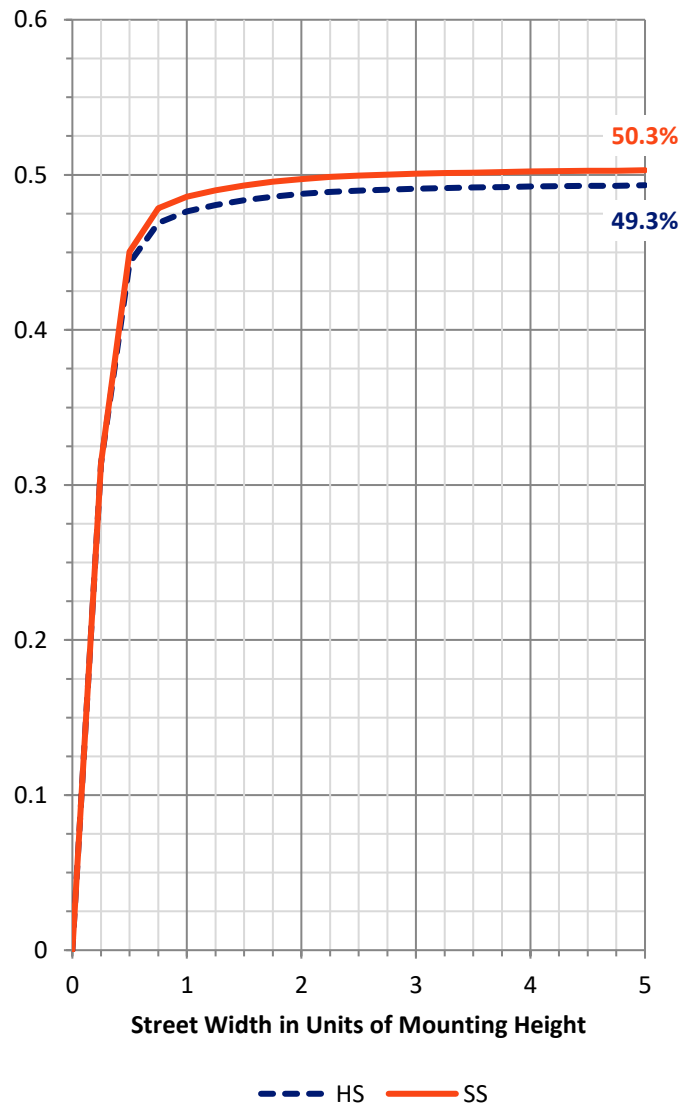
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3429.1	0.0	3429.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3429.1	0.0	3429.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6858.3	0.0	6858.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1538.8	22.4
10°-20°	2399.8	35.0
20°-30°	1944.6	28.4
30°-40°	472.0	6.9
40°-50°	158.8	2.3
50°-60°	125.5	1.8
60°-70°	125.2	1.8
70°-80°	69.1	1.0
80°-90°	24.5	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°	6858.3	100.0
0°-180°	6858.3	100.0

Coefficient of Utilization



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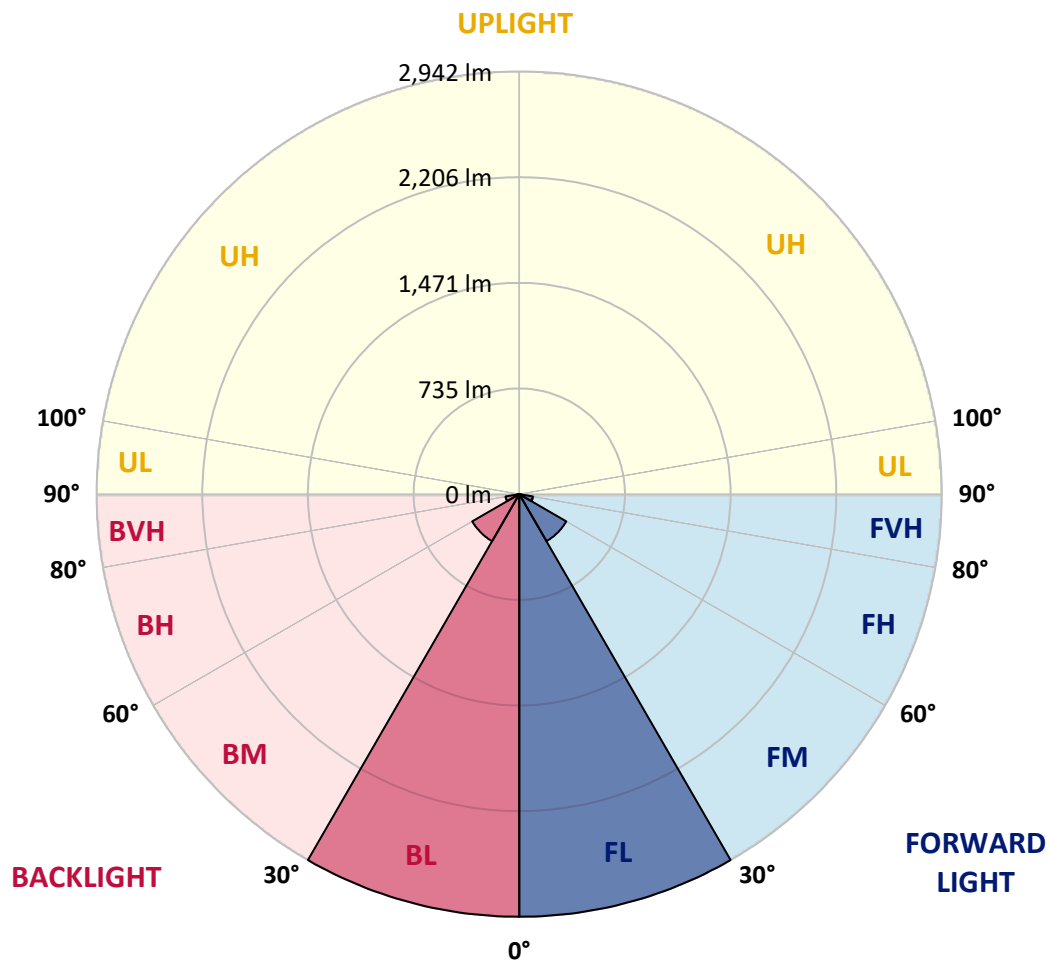
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2941.6	42.9			
FM	(30°-60°)	378.2	5.5			
FH	(60°-80°)	97.1	1.4			G0/660
FVH	(80°-90°)	12.2	0.2			G1/100
BL	(0°-30°)	2941.6	42.9	B4/5000		
BM	(30°-60°)	378.2	5.5	B1/1000		
BH	(60°-80°)	97.1	1.4	B0/110		G0/660
BVH	(80°-90°)	12.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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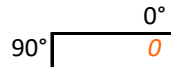
CANDELA DISTRIBUTION (FULL):

0°	
0°	20556
1°	20449
2°	20174
3°	19718
4°	19063
5°	18218
6°	17183
7°	16026
8°	14770
9°	13506
10°	12297
11°	11209
12°	10256
13°	9473
14°	8849
15°	8358
17.5°	7449
20°	6603
22.5°	5612
25°	4461
27.5°	3149
30°	1711
32.5°	984
35°	657
37.5°	448
40°	319
42.5°	247
45°	193
47.5°	158
50°	145
52.5°	138
55°	135
57.5°	140
60°	148
62.5°	145
65°	129
67.5°	111
70°	94
72.5°	78
75°	64
77.5°	52
80°	42
82.5°	34
85°	26
87.5°	9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)