

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: P525511

Luminaire Tested: **IFLD-S-SA3C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525511
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14459.1 lumens
Efficiency: N/A
Efficacy: 89.9 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): 160.8
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

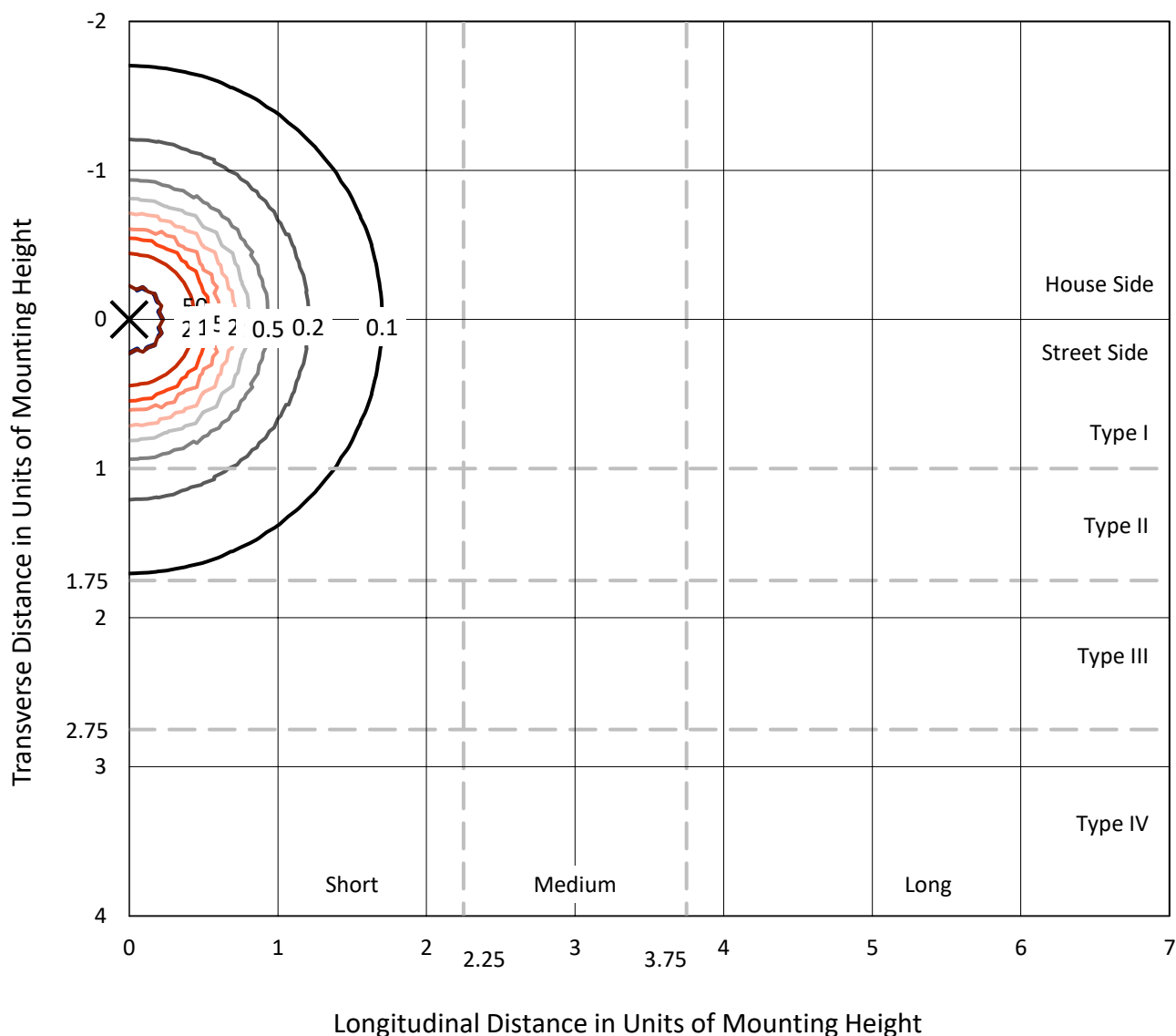
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

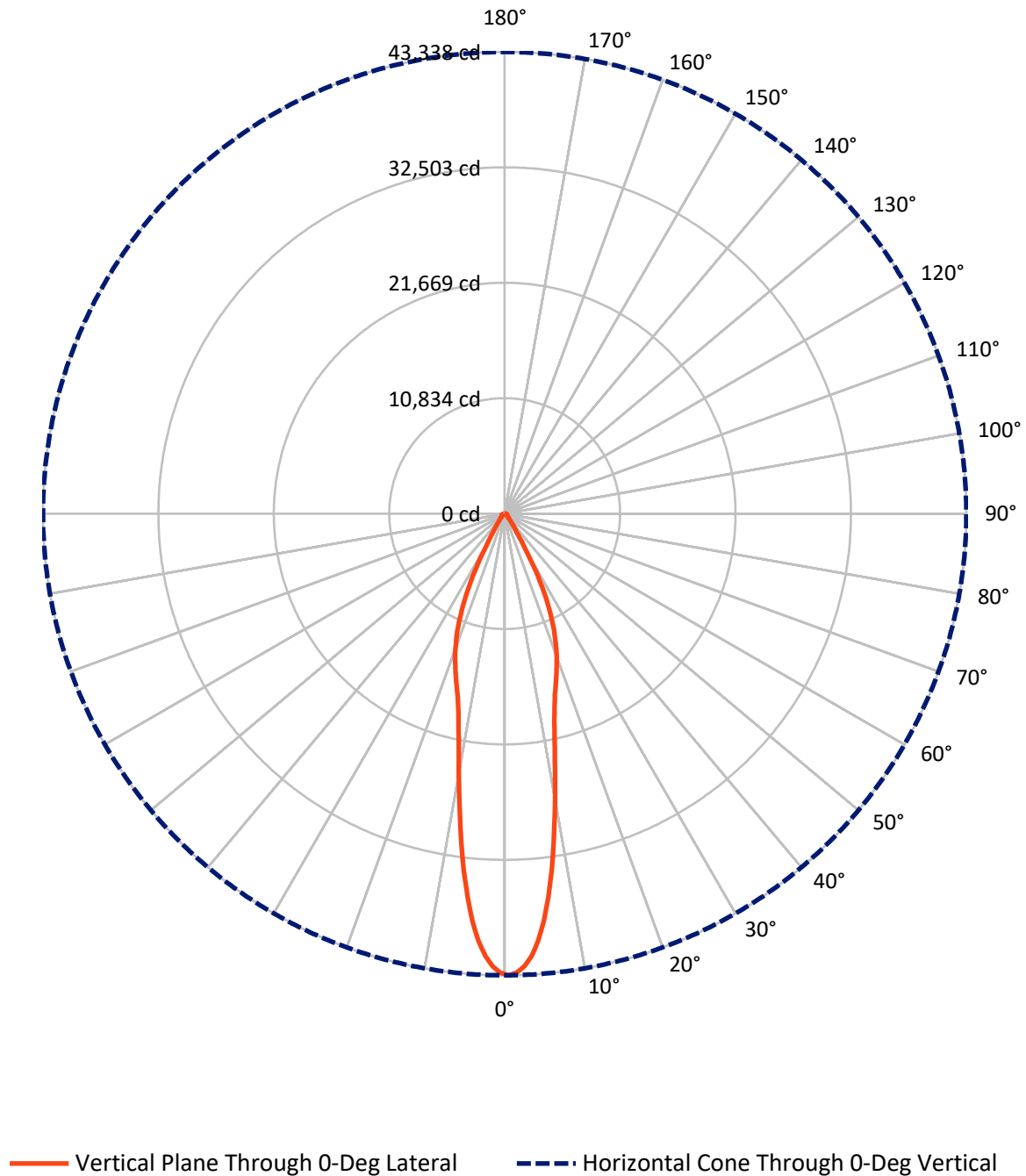


Based on 20 foot mounting height. Maximum calculated value = 108.3 fc

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	7229.6	0.0	7229.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7229.6	0.0	7229.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14459.1	0.0	14459.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3244.2	22.4
10°-20°	5059.4	35.0
20°-30°	4099.8	28.4
30°-40°	995.0	6.9
40°-50°	334.9	2.3
50°-60°	264.6	1.8
60°-70°	263.9	1.8
70°-80°	145.6	1.0
80°-90°	51.6	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°	14459.1	100.0
0°-180°	14459.1	100.0

Coefficient of Utilization



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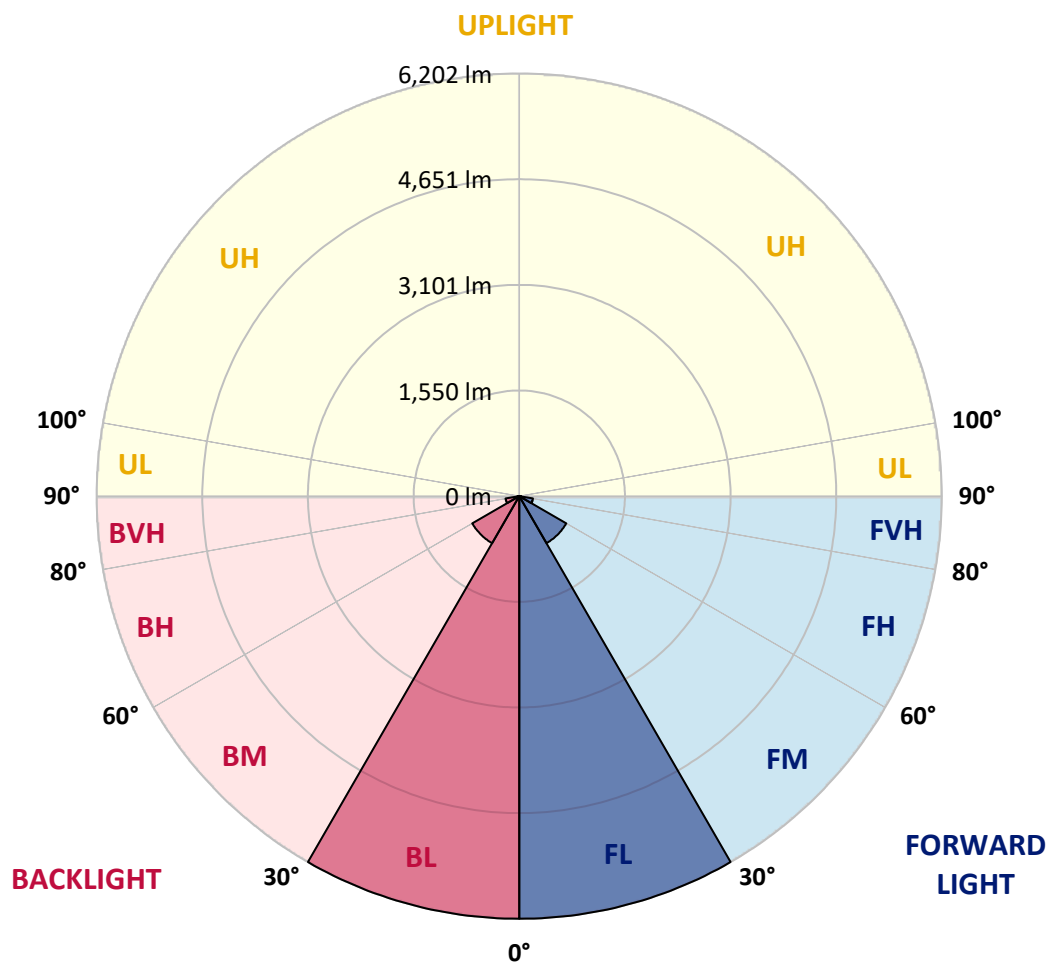
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6201.7	42.9			
FM	(30°-60°)	797.2	5.5			
FH	(60°-80°)	204.8	1.4			G0/660
FVH	(80°-90°)	25.8	0.2			G1/100
BL	(0°-30°)	6201.7	42.9	B5		
BM	(30°-60°)	797.2	5.5	B1/1000		
BH	(60°-80°)	204.8	1.4	B1/500		G0/660
BVH	(80°-90°)	25.8	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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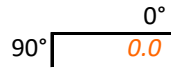
CANDELA DISTRIBUTION (FULL):

0°	
0°	43337.8
1°	43112.2
2°	42532.5
3°	41571.1
4°	40190.2
5°	38408.7
6°	36226.6
7°	33787.3
8°	31139.3
9°	28474.4
10°	25925.5
11°	23631.7
12°	21622.5
13°	19971.7
14°	18656.2
15°	17621.0
17.5°	15704.6
20°	13921.0
22.5°	11831.7
25°	9405.0
27.5°	6639.0
30°	3607.3
32.5°	2074.5
35°	1385.1
37.5°	944.5
40°	672.5
42.5°	520.7
45°	406.9
47.5°	333.1
50°	305.7
52.5°	290.9
55°	284.6
57.5°	295.2
60°	312.0
62.5°	305.7
65°	272.0
67.5°	234.0
70°	198.2
72.5°	164.4
75°	134.9
77.5°	109.6
80°	88.5
82.5°	71.7
85°	54.8
87.5°	19.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)