

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: P525620

Luminaire Tested: **IFLD-L-SA8D-950-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525620
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40737 lumens
Efficiency: N/A
Efficacy: 83.4 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): 488.3
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

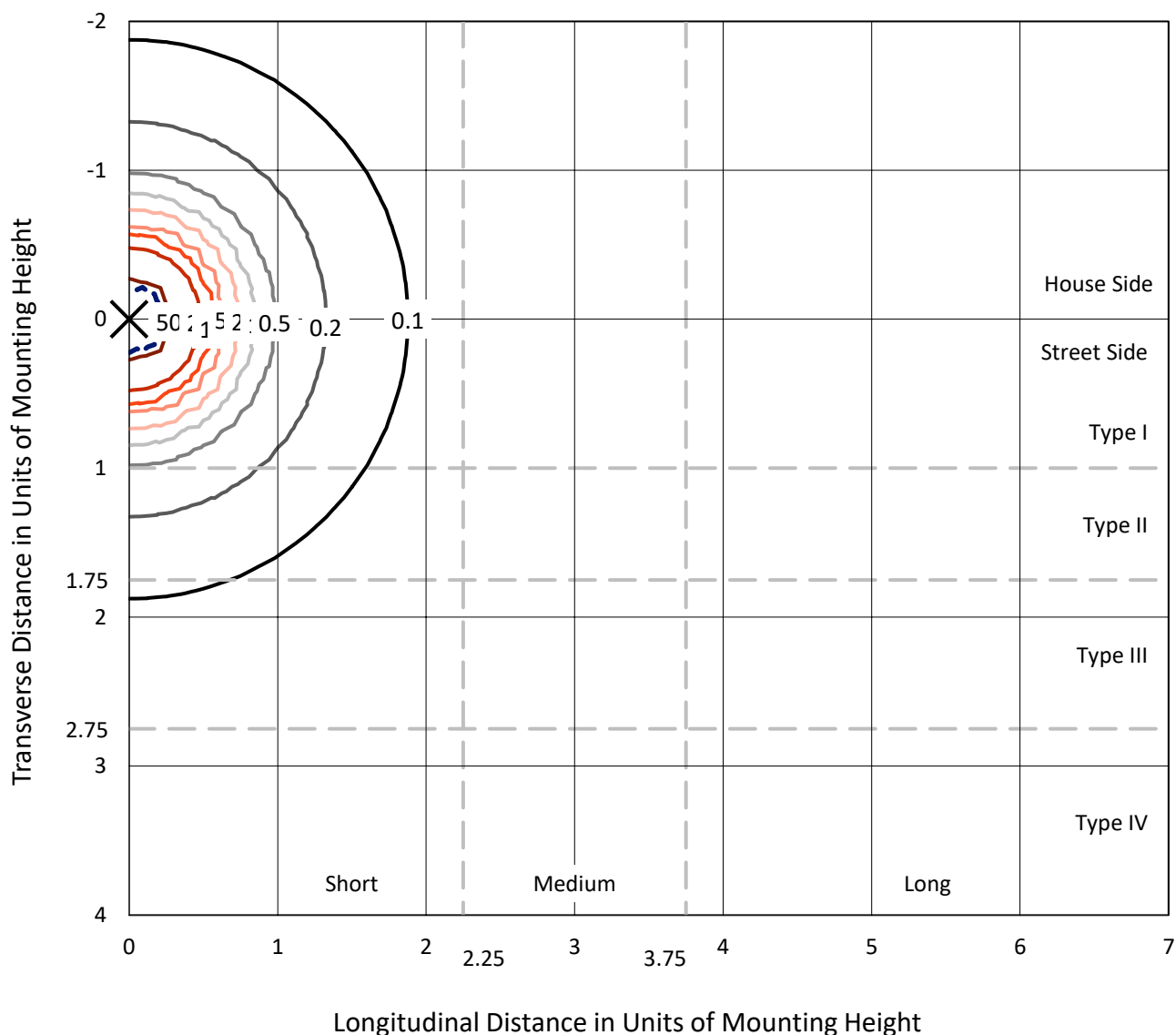
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

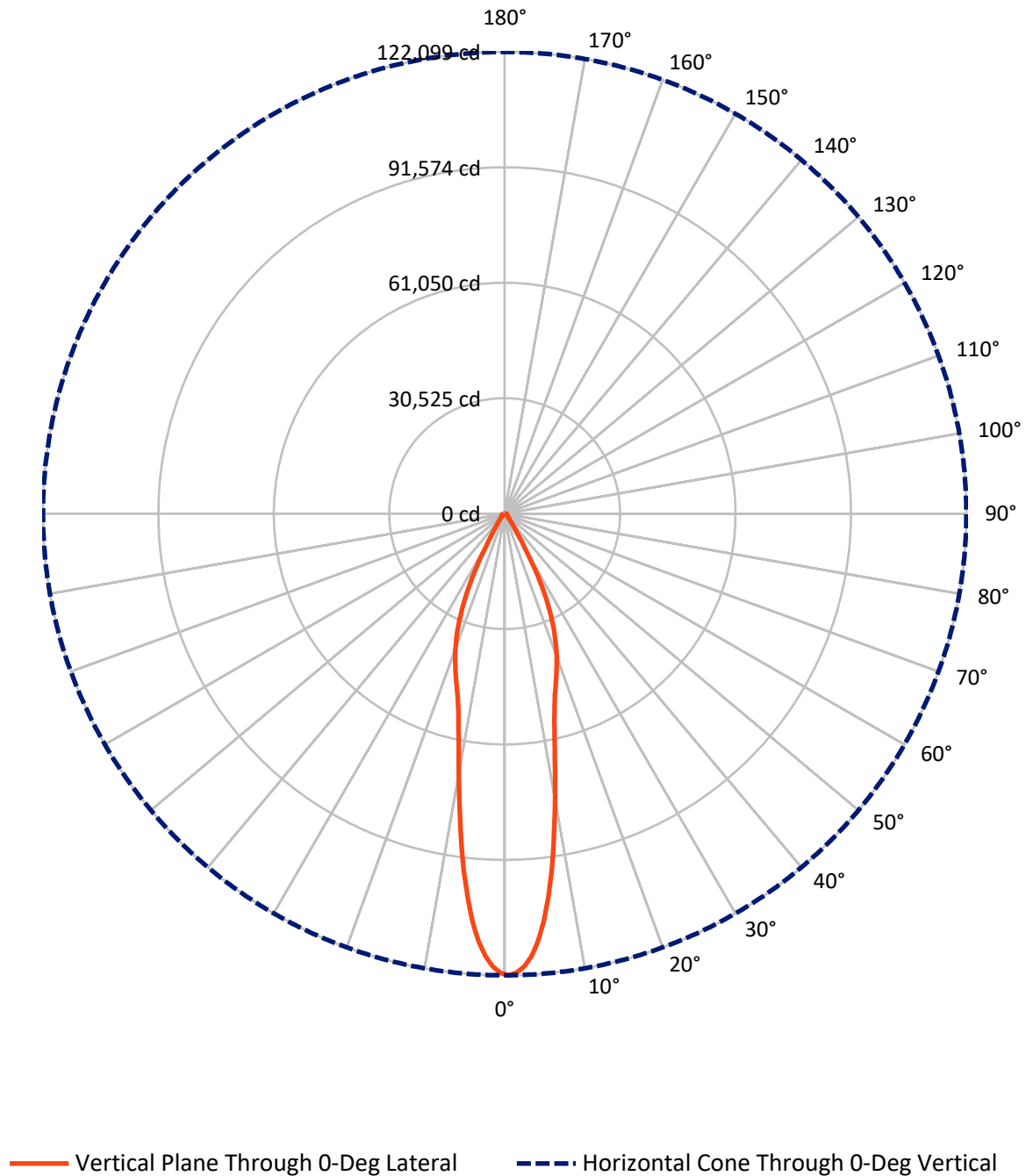


Based on 30 foot mounting height. Maximum calculated value = 135.7 fc

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	20368.5	0.0	20368.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20368.5	0.0	20368.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40737.0	0.0	40737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9140.0	22.4
10°-20°	14254.4	35.0
20°-30°	11550.8	28.4
30°-40°	2803.4	6.9
40°-50°	943.5	2.3
50°-60°	745.6	1.8
60°-70°	743.6	1.8
70°-80°	410.4	1.0
80°-90°	145.5	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°	40737.0	100.0
0°-180°	40737.0	100.0

Coefficient of Utilization



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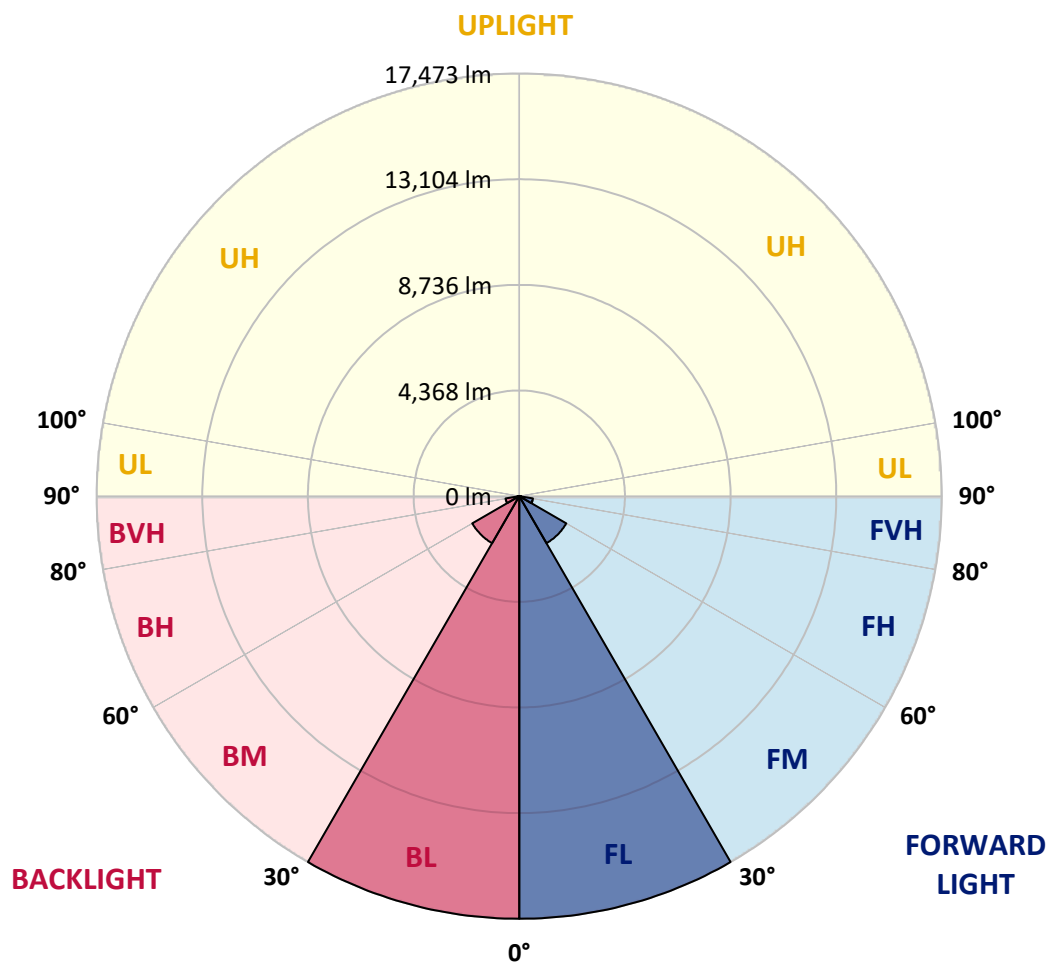
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	17472.6	42.9			
FM	(30°-60°)	2246.2	5.5			
FH	(60°-80°)	577.0	1.4			G0/660
FVH	(80°-90°)	72.7	0.2			G1/100
BL	(0°-30°)	17472.6	42.9	B5		
BM	(30°-60°)	2246.2	5.5	B2/2500		
BH	(60°-80°)	577.0	1.4	B2/1000		G0/660
BVH	(80°-90°)	72.7	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°	122099.3
1°	121463.7
2°	119830.2
3°	117121.7
4°	113231.1
5°	108211.9
6°	102064.2
7°	95191.8
8°	87731.4
9°	80223.4
10°	73042.2
11°	66579.6
12°	60919.0
13°	56268.1
14°	52561.6
15°	49645.1
17.5°	44245.8
20°	39220.7
22.5°	33334.4
25°	26497.6
27.5°	18704.5
30°	10163.1
32.5°	5844.8
35°	3902.5
37.5°	2661.0
40°	1894.8
42.5°	1467.1
45°	1146.4
47.5°	938.5
50°	861.3
52.5°	819.7
55°	801.9
57.5°	831.6
60°	879.1
62.5°	861.3
65°	766.2
67.5°	659.3
70°	558.3
72.5°	463.3
75°	380.1
77.5°	308.9
80°	249.5
82.5°	202.0
85°	154.4
87.5°	53.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)