

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: P525454

Luminaire Tested: **IFLD-M-SA4D-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525454
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20360.3 lumens
Efficiency: N/A
Efficacy: 81.5 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): 249.7
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

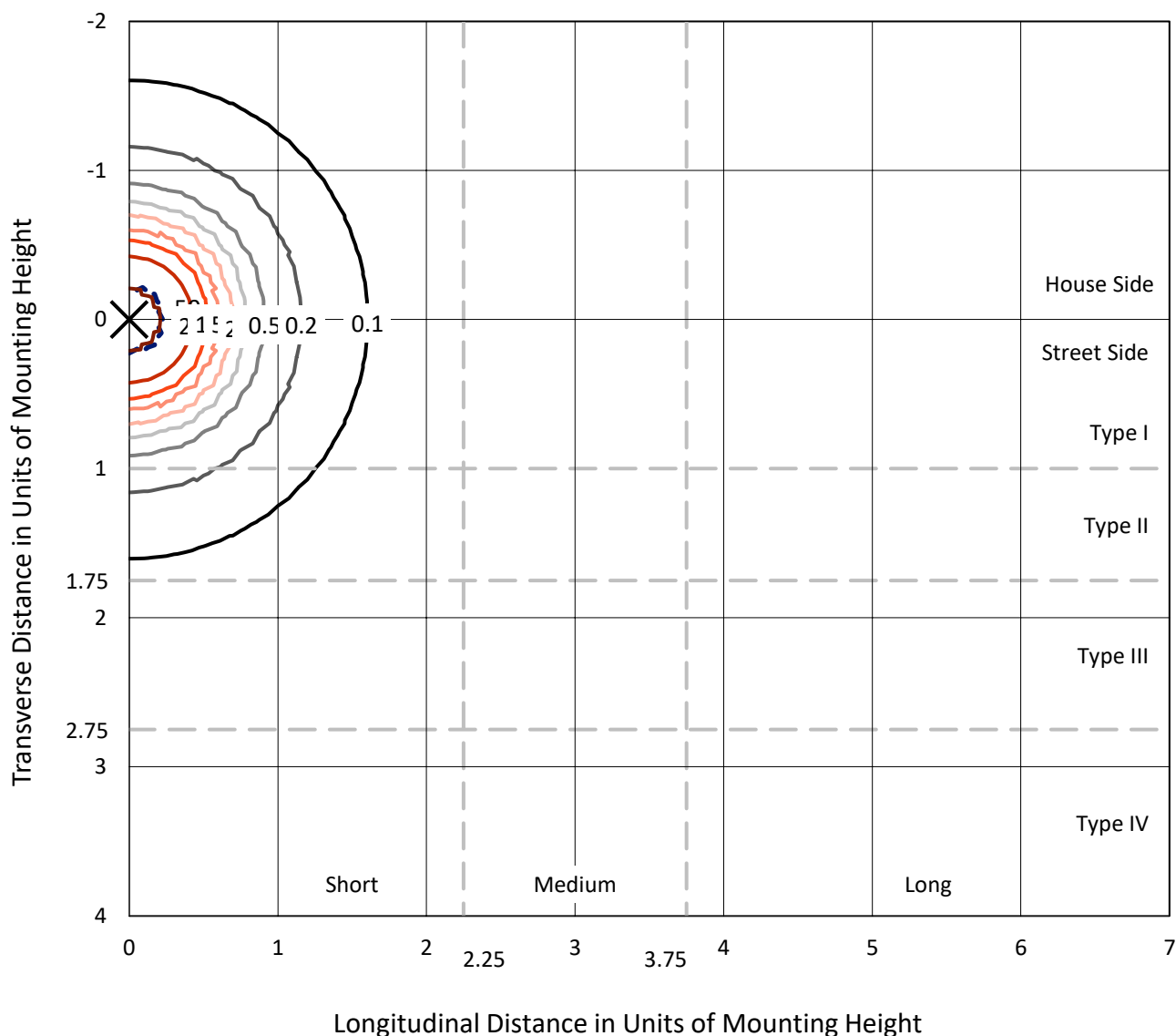
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

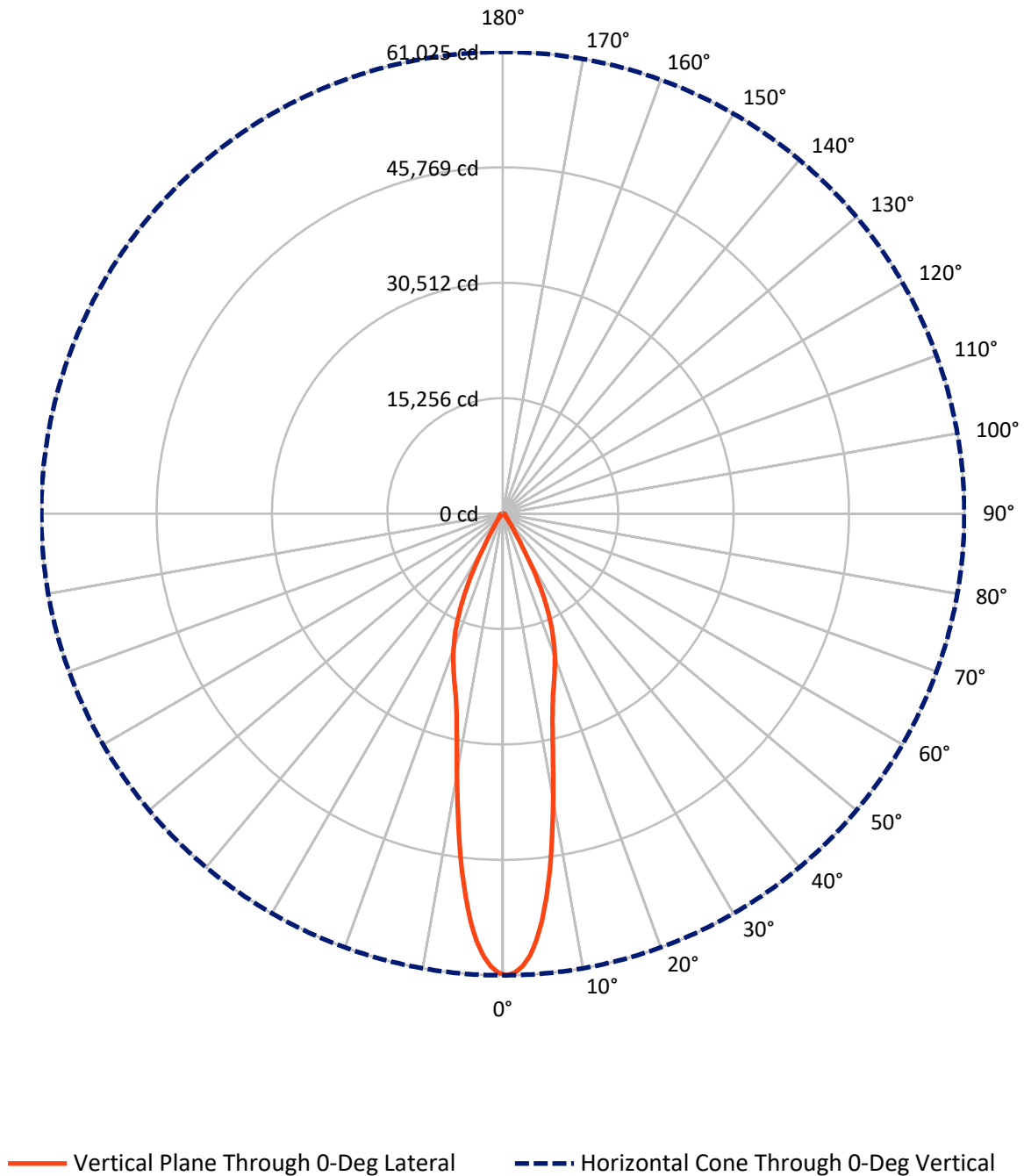


Based on 25 foot mounting height. Maximum calculated value = 97.6 fc

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	10180.2	0.0	10180.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10180.2	0.0	10180.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20360.3	0.0	20360.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4568.2	22.4
10°-20°	7124.3	35.0
20°-30°	5773.1	28.4
30°-40°	1401.1	6.9
40°-50°	471.6	2.3
50°-60°	372.6	1.8
60°-70°	371.7	1.8
70°-80°	205.1	1.0
80°-90°	72.7	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°	20360.3	100.0
0°-180°	20360.3	100.0

Coefficient of Utilization



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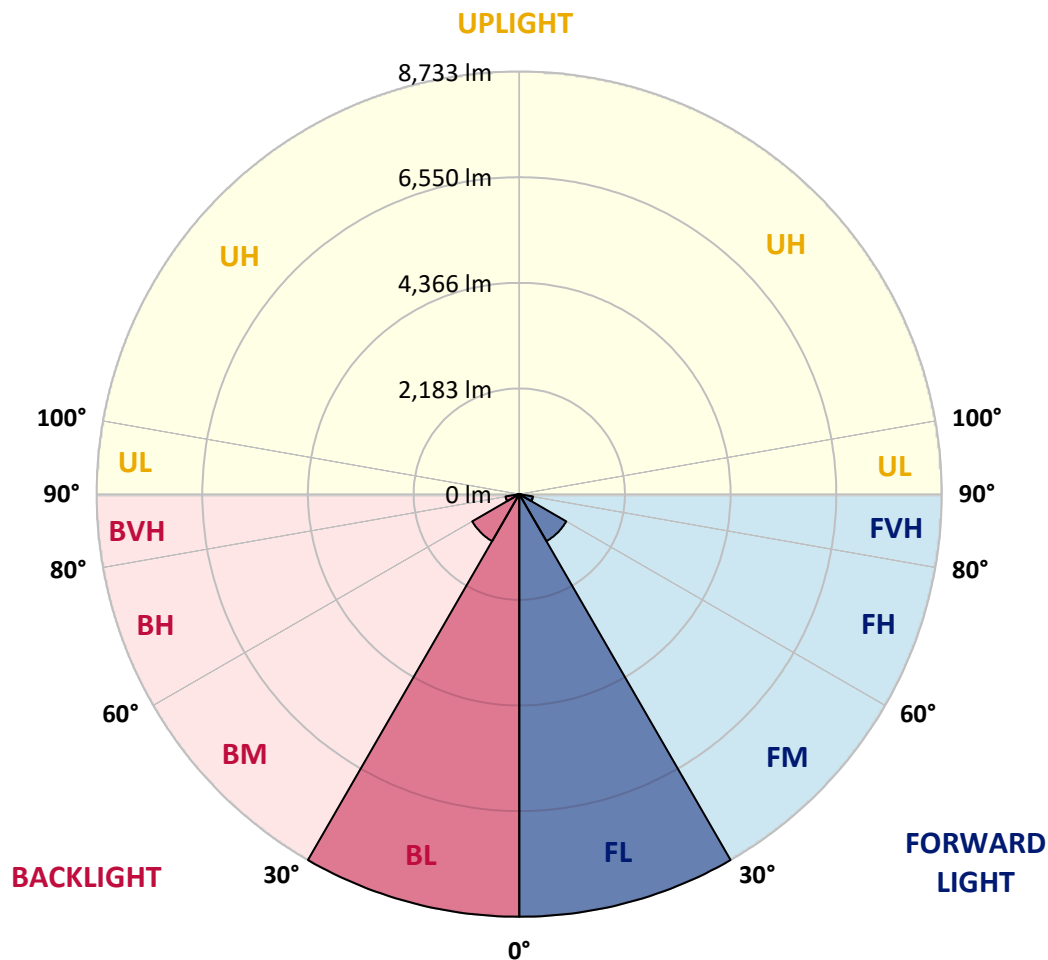
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8732.8	42.9			
FM	(30°-60°)	1122.6	5.5			
FH	(60°-80°)	288.4	1.4			G0/660
FVH	(80°-90°)	36.3	0.2			G1/100
BL	(0°-30°)	8732.8	42.9	B5		
BM	(30°-60°)	1122.6	5.5	B2/2500		
BH	(60°-80°)	288.4	1.4	B1/500		G0/660
BVH	(80°-90°)	36.3	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°	61024.9
1°	60707.3
2°	59890.9
3°	58537.1
4°	56592.6
5°	54084.1
6°	51011.4
7°	47576.6
8°	43847.9
9°	40095.5
10°	36506.3
11°	33276.3
12°	30447.1
13°	28122.6
14°	26270.2
15°	24812.5
17.5°	22114.0
20°	19602.4
22.5°	16660.4
25°	13243.4
27.5°	9348.5
30°	5079.5
32.5°	2921.2
35°	1950.4
37.5°	1330.0
40°	947.0
42.5°	733.3
45°	573.0
47.5°	469.1
50°	430.5
52.5°	409.7
55°	400.8
57.5°	415.6
60°	439.4
62.5°	430.5
65°	383.0
67.5°	329.5
70°	279.1
72.5°	231.6
75°	190.0
77.5°	154.4
80°	124.7
82.5°	100.9
85°	77.2
87.5°	26.7

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)