

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: P525575

Luminaire Tested: **IFLD-L-SA7C-940-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525575
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32931.7 lumens
Efficiency: N/A
Efficacy: 89.2 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): 369
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

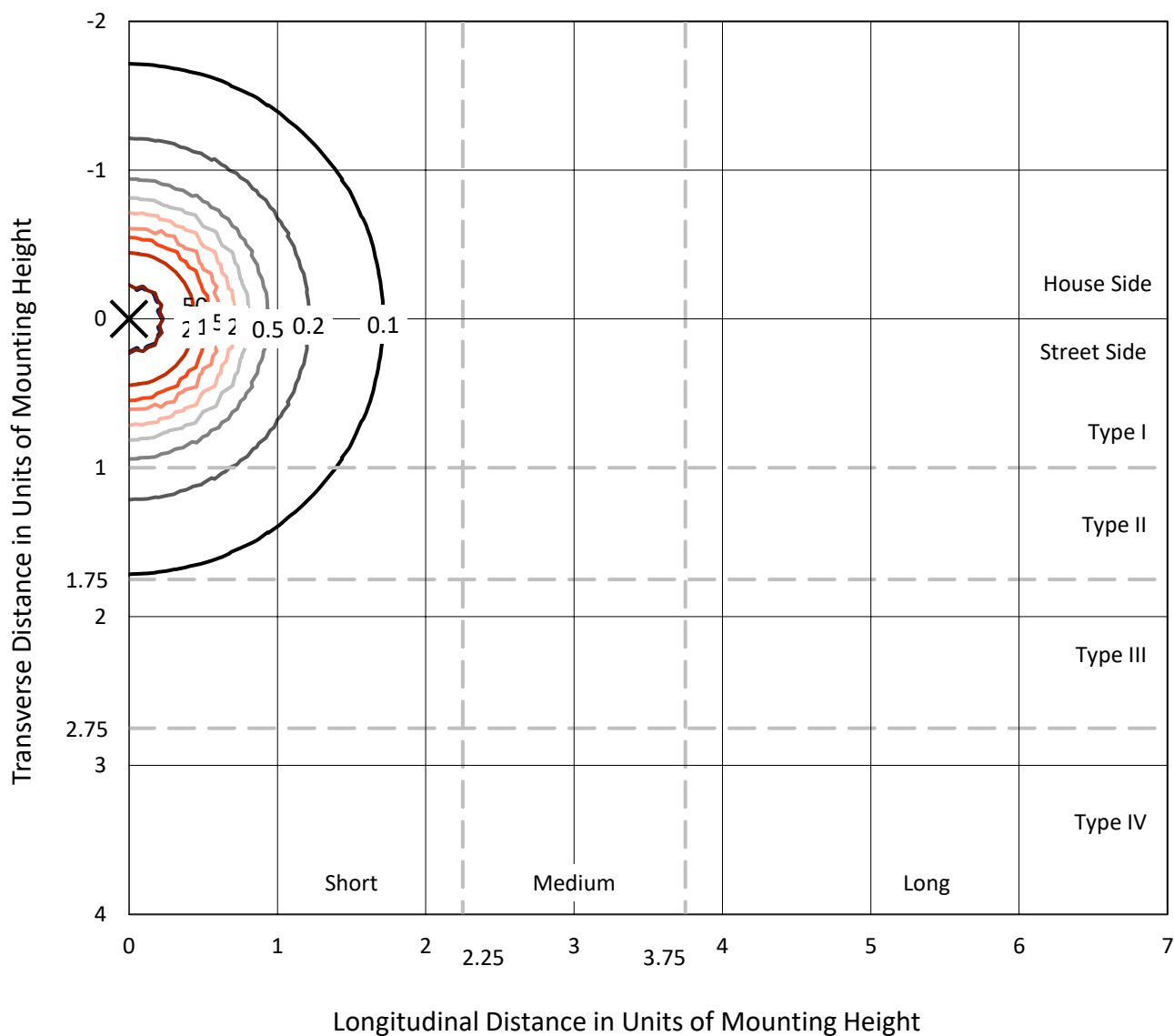
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

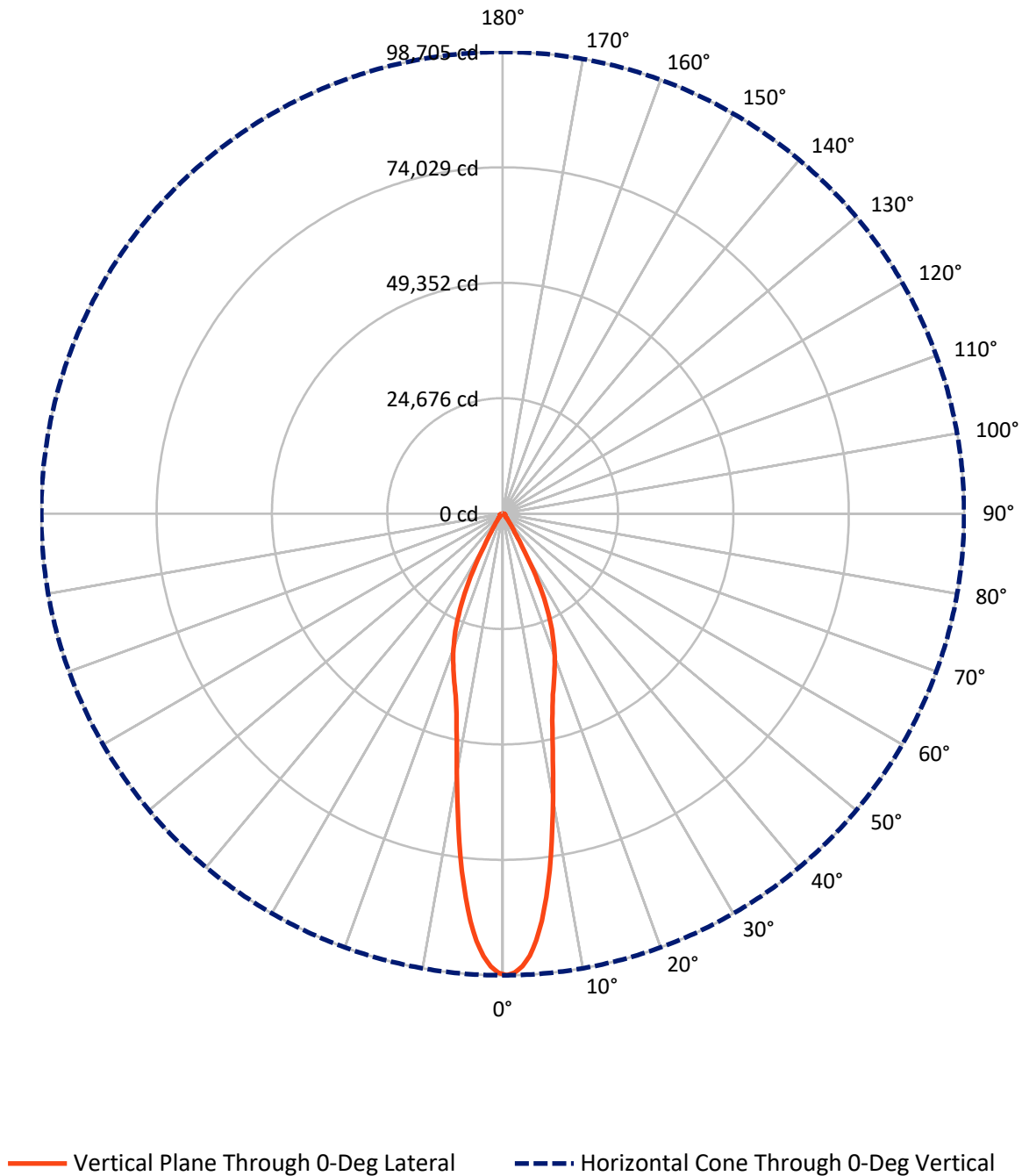


Based on 30 foot mounting height. Maximum calculated value = 109.7 fc

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	16465.9	0.0	16465.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16465.9	0.0	16465.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	32931.7	0.0	32931.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7388.8	22.4
10°-20°	11523.2	35.0
20°-30°	9337.6	28.4
30°-40°	2266.2	6.9
40°-50°	762.7	2.3
50°-60°	602.7	1.8
60°-70°	601.2	1.8
70°-80°	331.8	1.0
80°-90°	117.6	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°	32931.7	100.0
0°-180°	32931.7	100.0

Coefficient of Utilization



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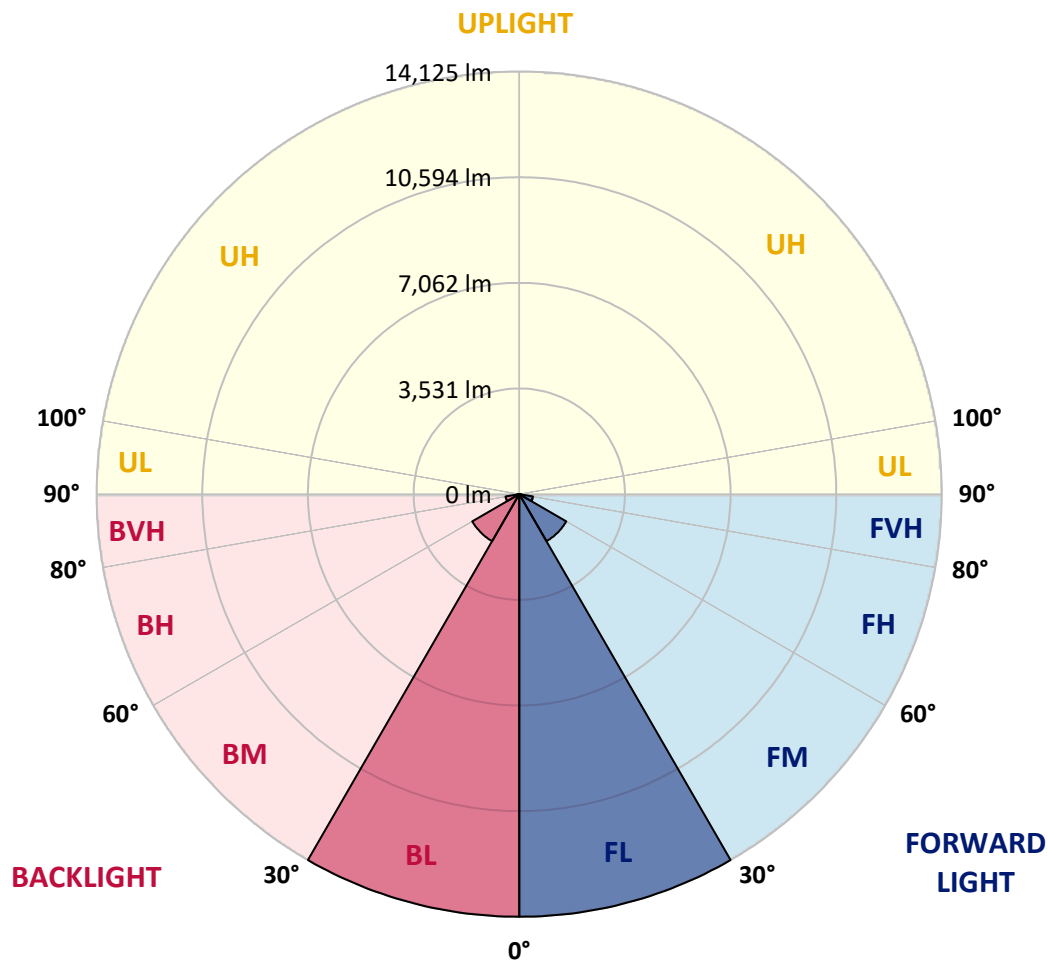
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14124.8	42.9			
FM	(30°-60°)	1815.8	5.5			
FH	(60°-80°)	466.5	1.4			G0/660
FVH	(80°-90°)	58.8	0.2			G1/100
BL	(0°-30°)	14124.8	42.9	B5		
BM	(30°-60°)	1815.8	5.5	B2/2500		
BH	(60°-80°)	466.5	1.4	B1/500		G0/660
BVH	(80°-90°)	58.8	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°	98704.8
1°	98191.0
2°	96870.5
3°	94680.9
4°	91535.8
5°	87478.3
6°	82508.5
7°	76952.9
8°	70921.9
9°	64852.5
10°	59047.1
11°	53822.8
12°	49246.8
13°	45487.0
14°	42490.7
15°	40133.0
17.5°	35768.3
20°	31706.0
22.5°	26947.4
25°	21420.6
27.5°	15120.7
30°	8215.8
32.5°	4724.9
35°	3154.8
37.5°	2151.2
40°	1531.8
42.5°	1186.0
45°	926.7
47.5°	758.7
50°	696.3
52.5°	662.6
55°	648.2
57.5°	672.2
60°	710.7
62.5°	696.3
65°	619.4
67.5°	533.0
70°	451.4
72.5°	374.5
75°	307.3
77.5°	249.7
80°	201.7
82.5°	163.3
85°	124.8
87.5°	43.2

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)