

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: P525459

Luminaire Tested: **IFLD-L-SA7D-927-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525459
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31746.5 lumens
Efficiency: N/A
Efficacy: 75.1 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): 422.6
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

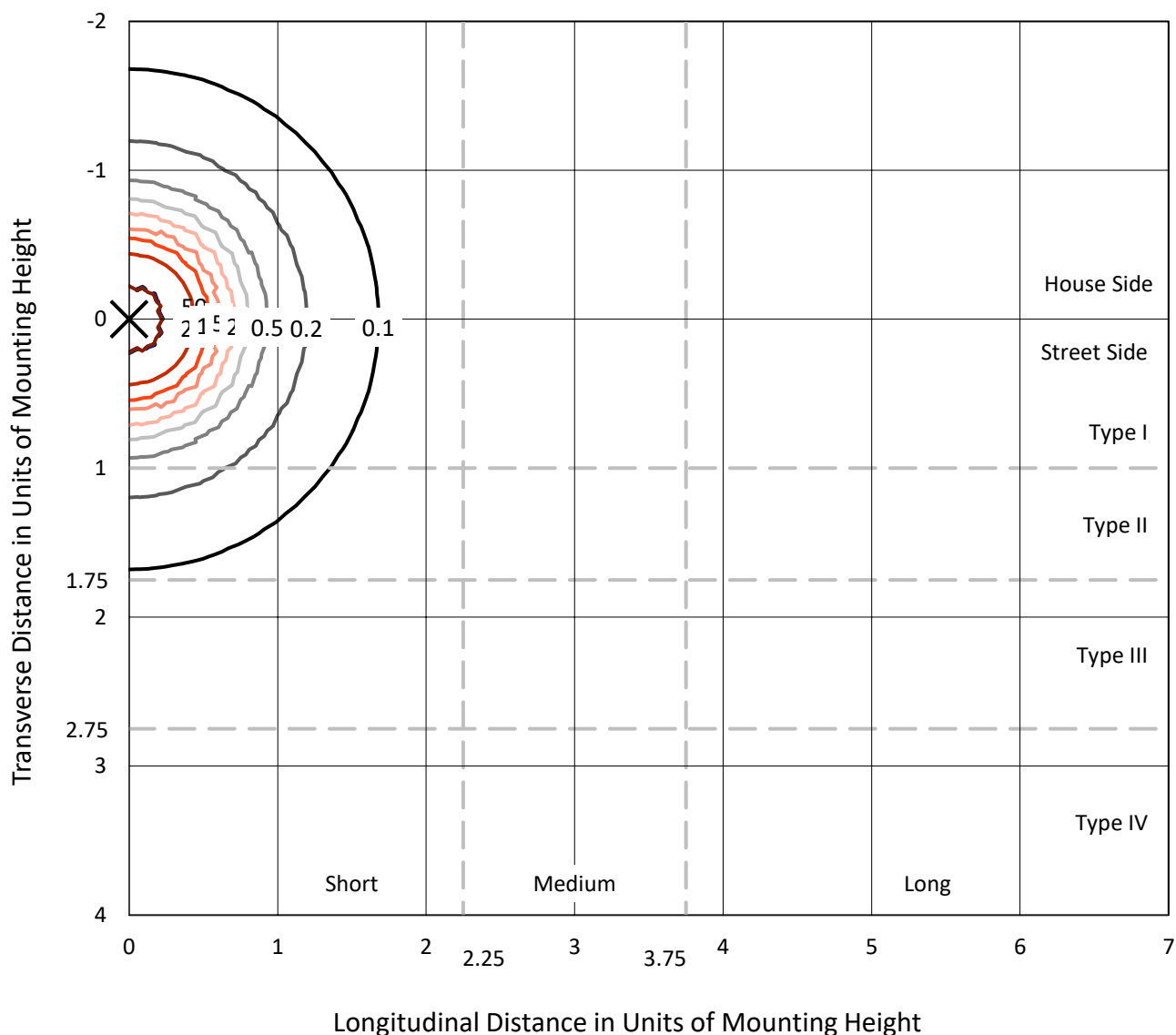
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

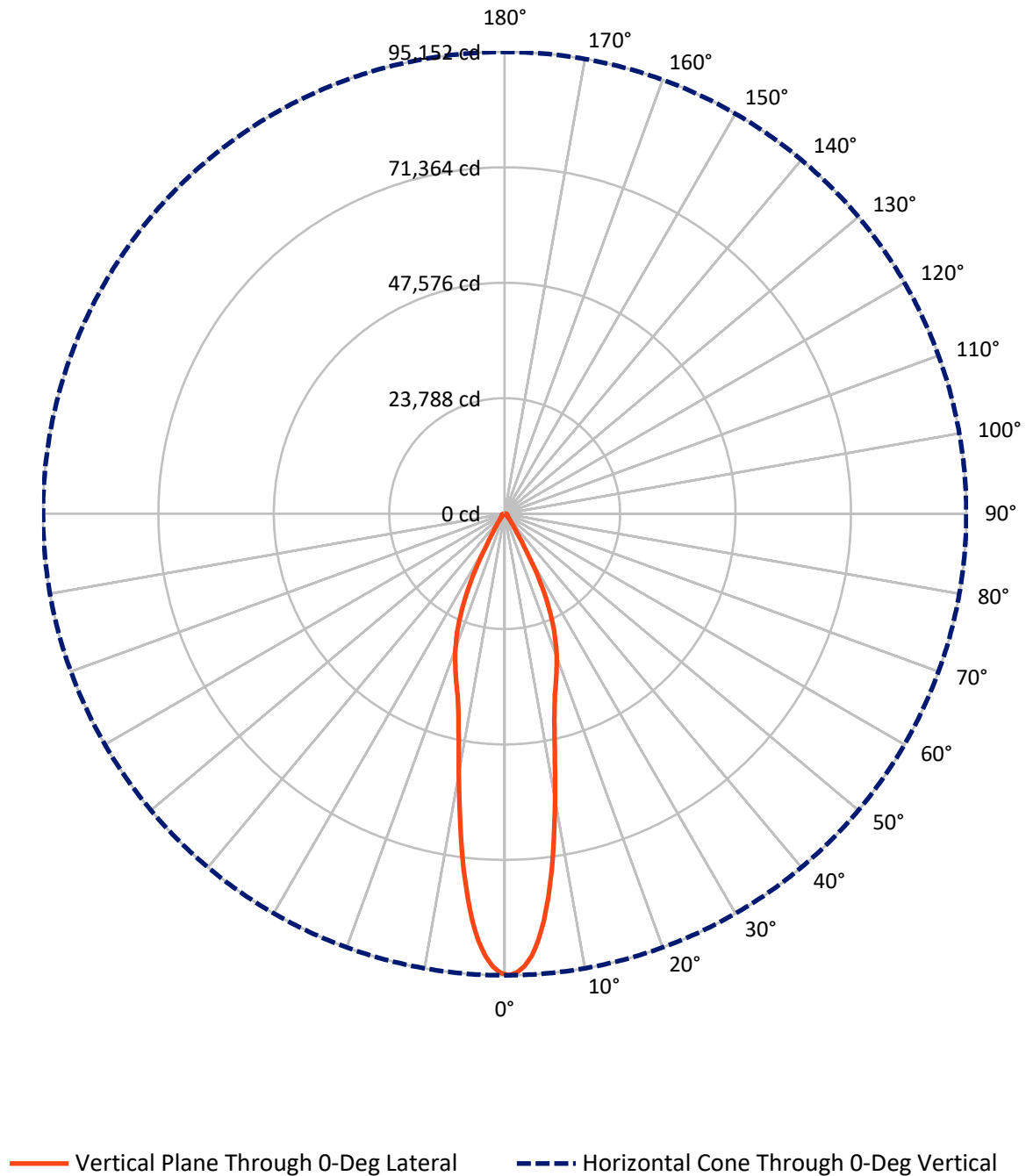


Based on 30 foot mounting height. Maximum calculated value = 105.7 fc

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	15873.3	0.0	15873.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15873.3	0.0	15873.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	31746.5	0.0	31746.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7122.9	22.4
10°-20°	11108.5	35.0
20°-30°	9001.6	28.4
30°-40°	2184.7	6.9
40°-50°	735.2	2.3
50°-60°	581.0	1.8
60°-70°	579.5	1.8
70°-80°	319.8	1.0
80°-90°	113.4	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°	31746.5	100.0
0°-180°	31746.5	100.0

Coefficient of Utilization



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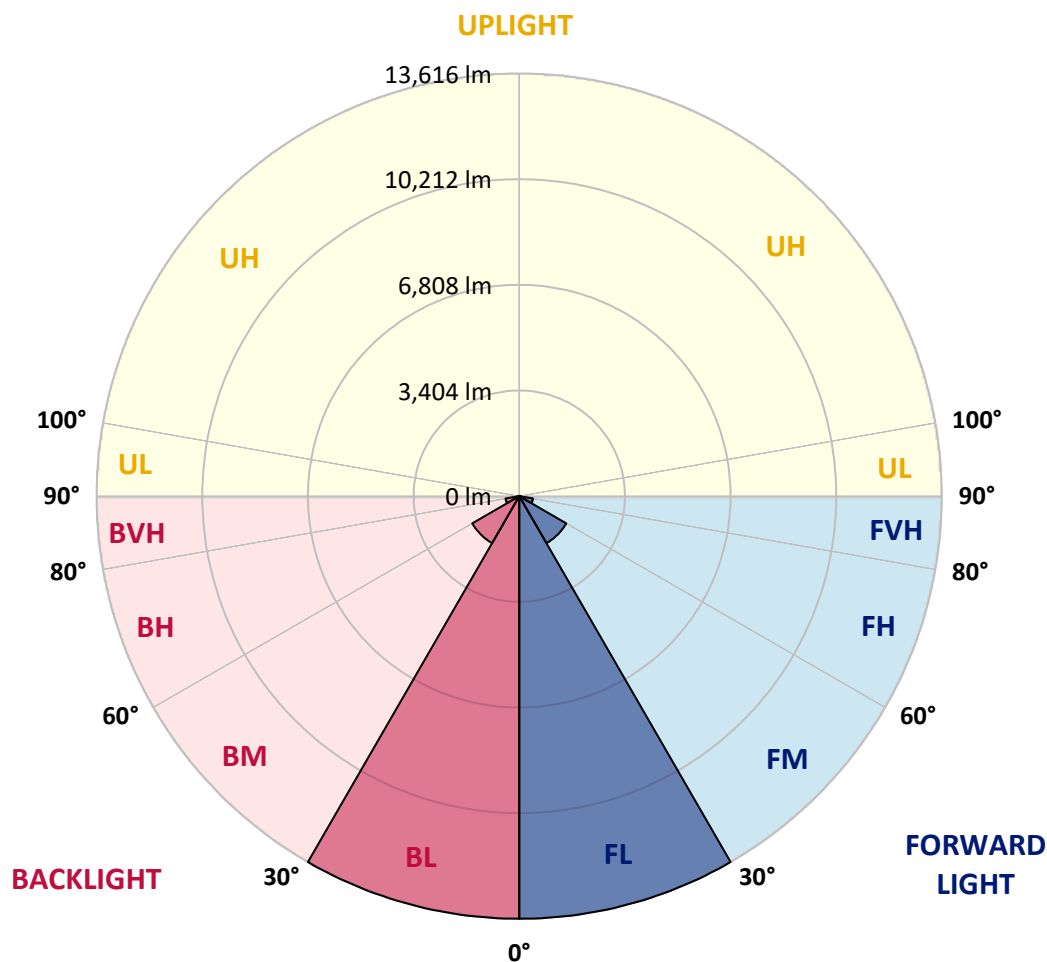
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13616.4	42.9			
FM	(30°-60°)	1750.5	5.5			
FH	(60°-80°)	449.7	1.4			G0/660
FVH	(80°-90°)	56.7	0.2			G1/100
BL	(0°-30°)	13616.4	42.9	B5		
BM	(30°-60°)	1750.5	5.5	B2/2500		
BH	(60°-80°)	449.7	1.4	B1/500		G0/660
BVH	(80°-90°)	56.7	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°	95152.3
1°	94657.0
2°	93384.1
3°	91273.3
4°	88241.3
5°	84329.9
6°	79538.9
7°	74183.3
8°	68369.3
9°	62518.4
10°	56922.0
11°	51885.7
12°	47474.3
13°	43849.9
14°	40961.4
15°	38688.6
17.5°	34480.9
20°	30564.8
22.5°	25977.6
25°	20649.7
27.5°	14576.5
30°	7920.1
32.5°	4554.9
35°	3041.2
37.5°	2073.8
40°	1476.6
42.5°	1143.3
45°	893.4
47.5°	731.4
50°	671.2
52.5°	638.8
55°	624.9
57.5°	648.1
60°	685.1
62.5°	671.2
65°	597.1
67.5°	513.8
70°	435.1
72.5°	361.1
75°	296.3
77.5°	240.7
80°	194.4
82.5°	157.4
85°	120.4
87.5°	41.7

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)