

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: P525433

Luminaire Tested: **IFLD-S-SA3C-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525433
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13785.7 lumens
Efficiency: N/A
Efficacy: 85.7 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

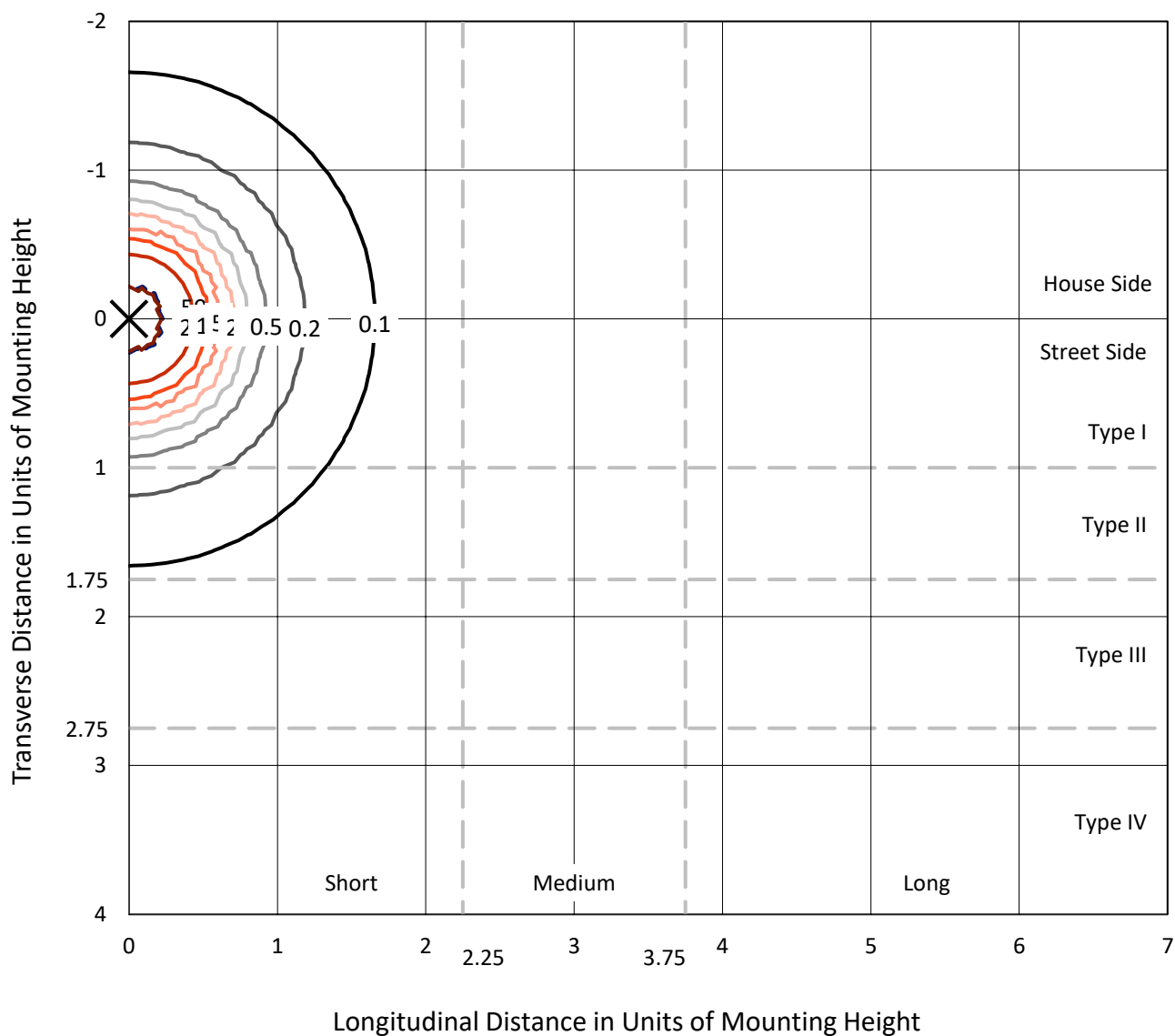
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

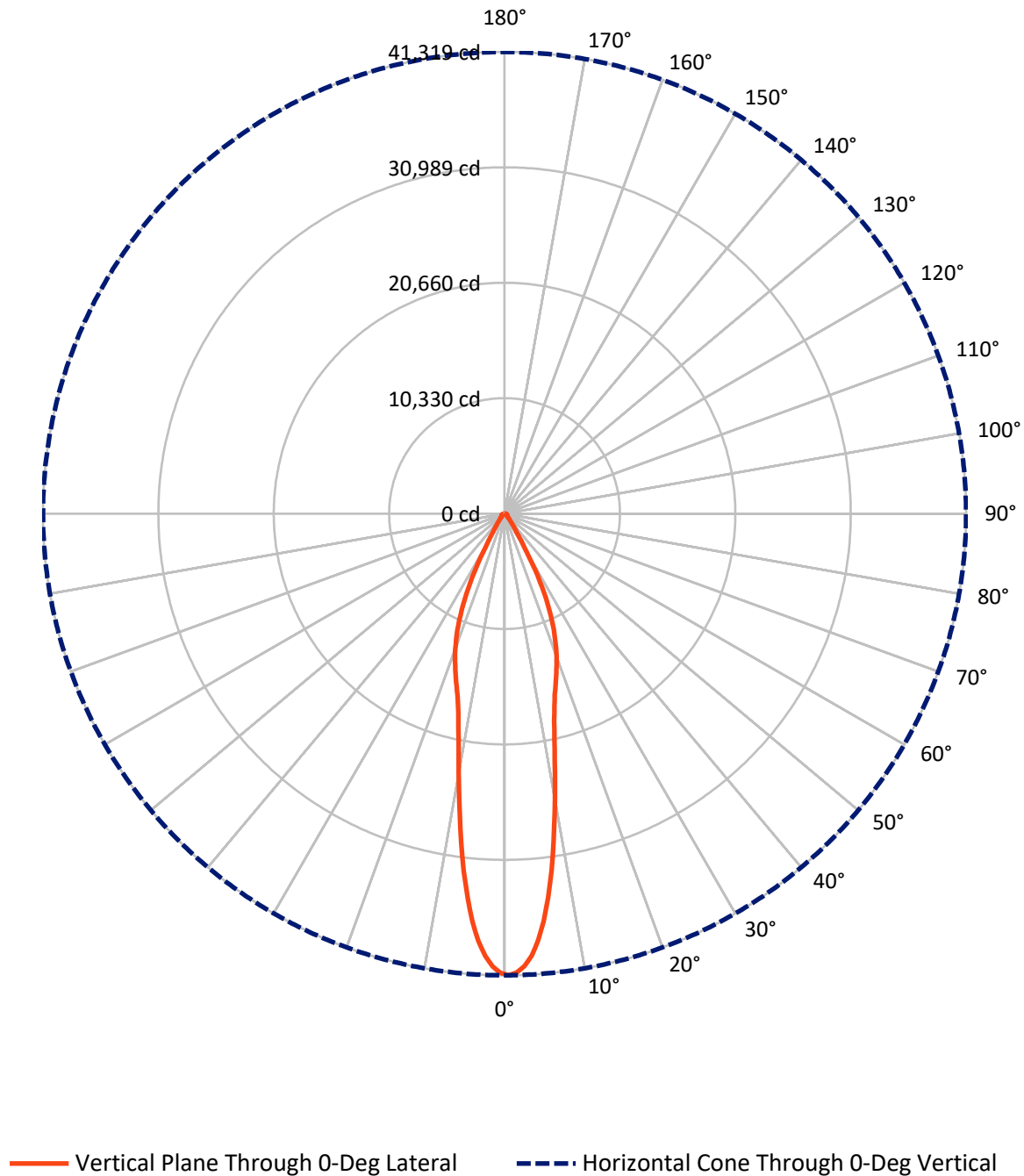


Based on 20 foot mounting height. Maximum calculated value = 103.3 fc

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	6892.8	0.0	6892.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6892.8	0.0	6892.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13785.7	0.0	13785.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3093.0	22.4
10°-20°	4823.8	35.0
20°-30°	3908.9	28.4
30°-40°	948.7	6.9
40°-50°	319.3	2.3
50°-60°	252.3	1.8
60°-70°	251.6	1.8
70°-80°	138.9	1.0
80°-90°	49.2	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°	13785.7	100.0
0°-180°	13785.7	100.0

Coefficient of Utilization



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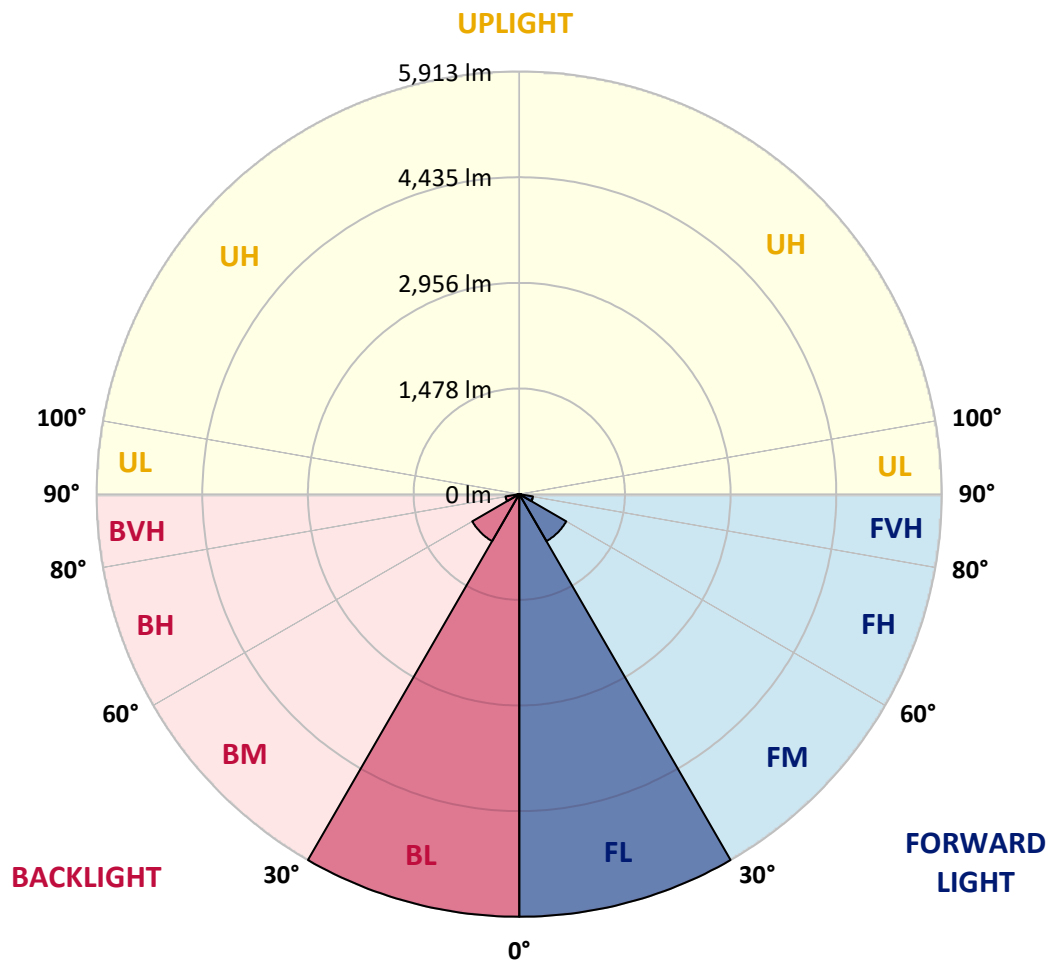
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5912.9	42.9			
FM	(30°-60°)	760.1	5.5			
FH	(60°-80°)	195.2	1.4			G0/660
FVH	(80°-90°)	24.6	0.2			G1/100
BL	(0°-30°)	5912.9	42.9	B5		
BM	(30°-60°)	760.1	5.5	B1/1000		
BH	(60°-80°)	195.2	1.4	B1/500		G0/660
BVH	(80°-90°)	24.6	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°	41319.3
1°	41104.2
2°	40551.4
3°	39634.8
4°	38318.2
5°	36619.7
6°	34539.2
7°	32213.6
8°	29688.9
9°	27148.2
10°	24718.0
11°	22531.0
12°	20615.4
13°	19041.5
14°	17787.2
15°	16800.3
17.5°	14973.1
20°	13272.6
22.5°	11280.6
25°	8967.0
27.5°	6329.7
30°	3439.3
32.5°	1977.9
35°	1320.6
37.5°	900.5
40°	641.2
42.5°	496.5
45°	387.9
47.5°	317.6
50°	291.5
52.5°	277.4
55°	271.4
57.5°	281.4
60°	297.5
62.5°	291.5
65°	259.3
67.5°	223.1
70°	188.9
72.5°	156.8
75°	128.6
77.5°	104.5
80°	84.4
82.5°	68.3
85°	52.3
87.5°	18.1



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)