

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: P525508

Luminaire Tested: **IFLD-S-SA2E-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525508
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12354.9 lumens
Efficiency: N/A
Efficacy: 79.1 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): 156.2
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

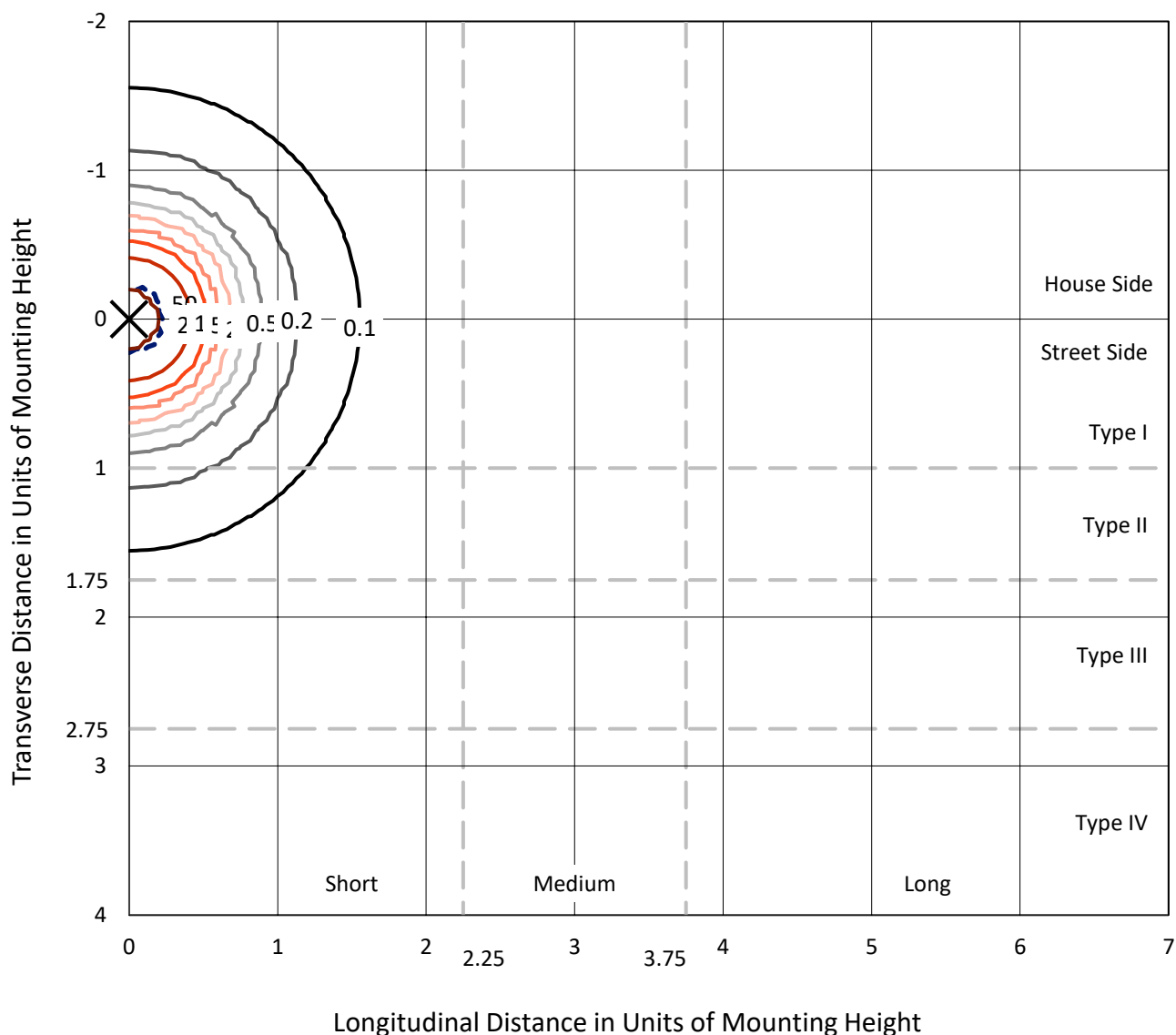
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

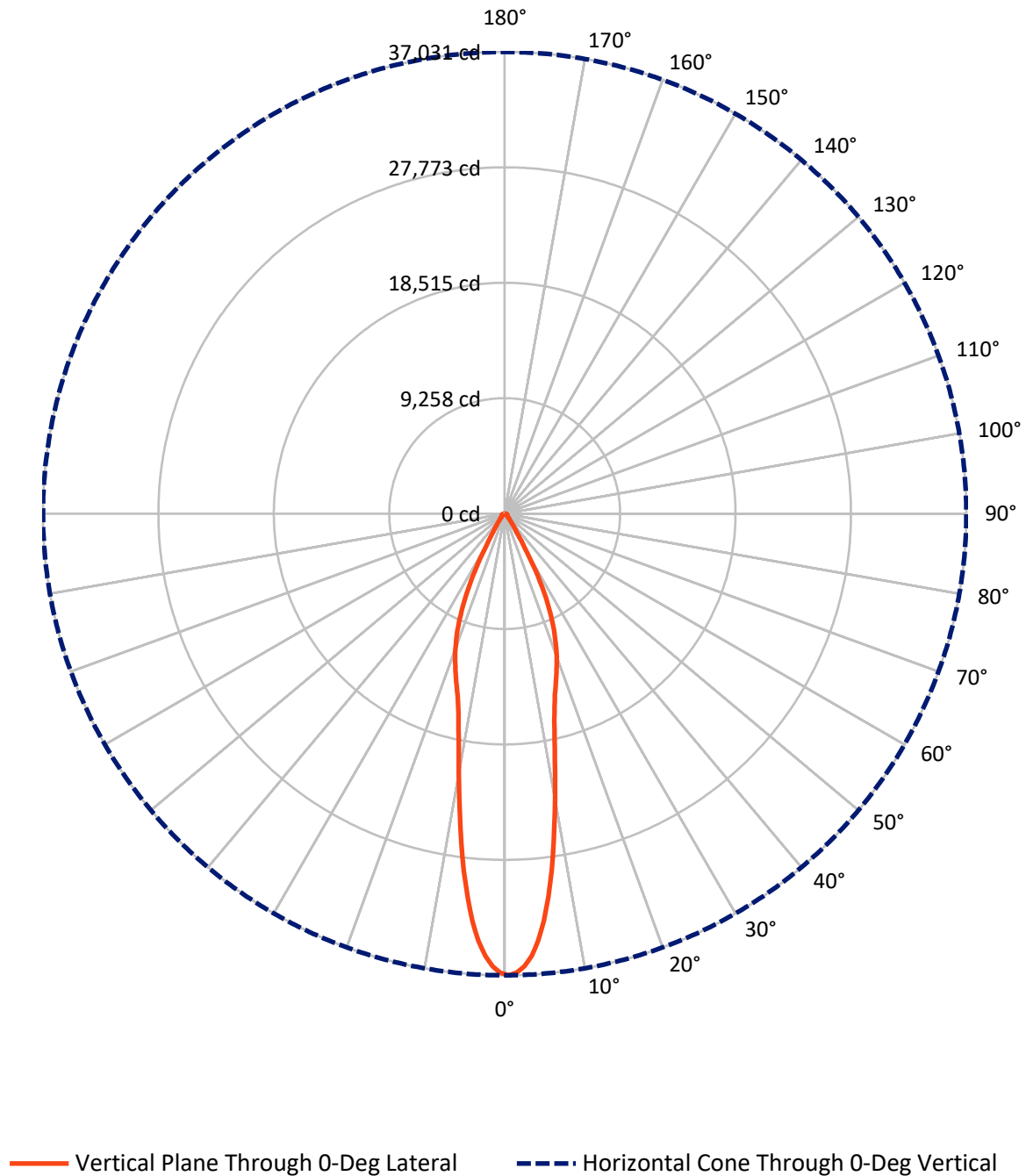


Based on 20 foot mounting height. Maximum calculated value = 92.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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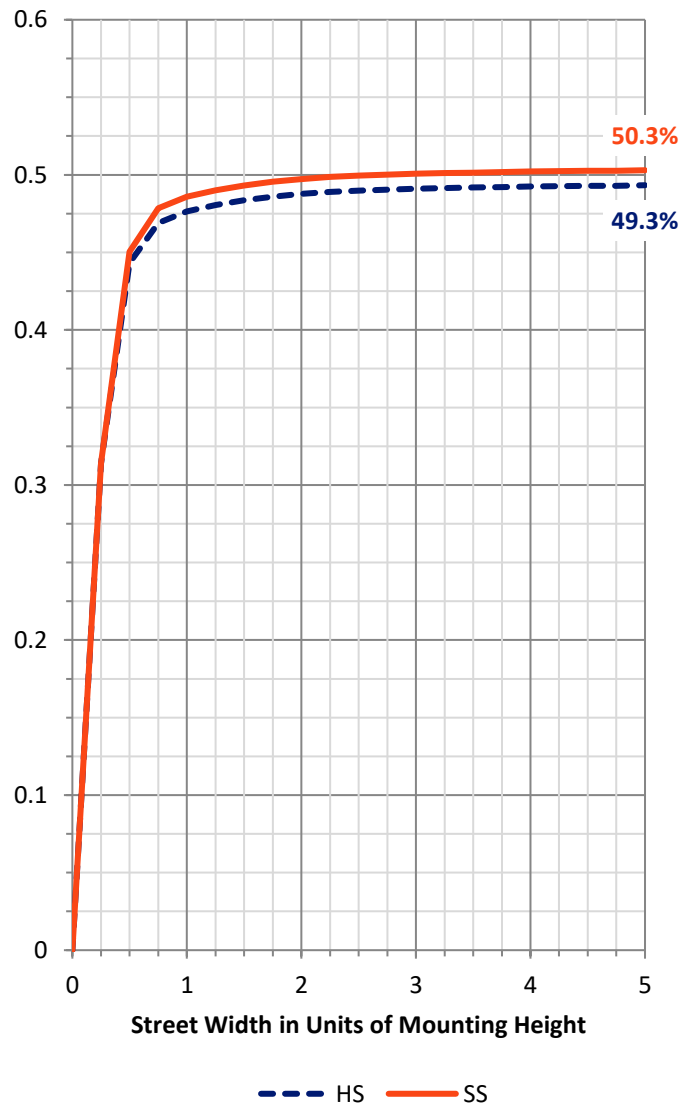
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6177.5	0.0	6177.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6177.5	0.0	6177.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12354.9	0.0	12354.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2772.0	22.4
10°-20°	4323.1	35.0
20°-30°	3503.2	28.4
30°-40°	850.2	6.9
40°-50°	286.1	2.3
50°-60°	226.1	1.8
60°-70°	225.5	1.8
70°-80°	124.5	1.0
80°-90°	44.1	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°	12354.9	100.0
0°-180°	12354.9	100.0

Coefficient of Utilization



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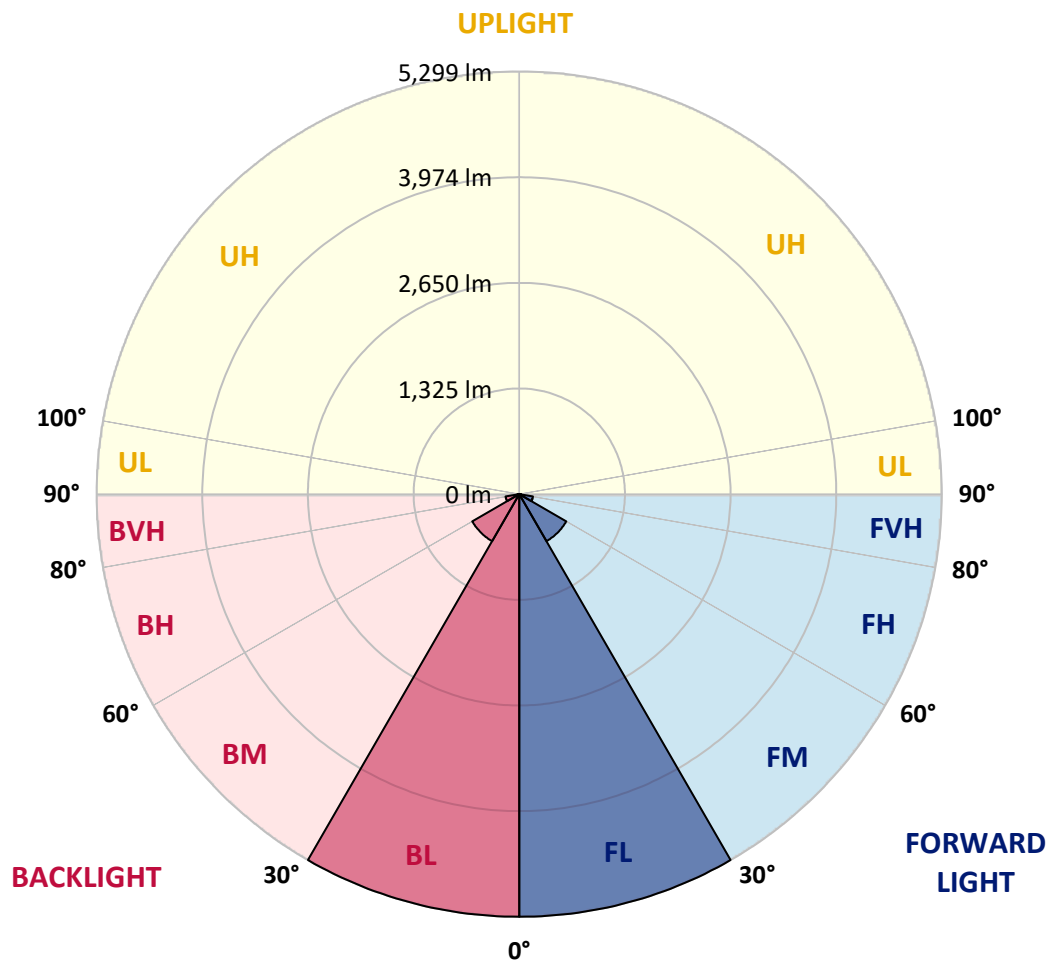
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5299.2	42.9			
FM	(30°-60°)	681.2	5.5			
FH	(60°-80°)	175.0	1.4			G0/660
FVH	(80°-90°)	22.0	0.2			G1/100
BL	(0°-30°)	5299.2	42.9	B5		
BM	(30°-60°)	681.2	5.5	B1/1000		
BH	(60°-80°)	175.0	1.4	B1/500		G0/660
BVH	(80°-90°)	22.0	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°	37030.9
1°	36838.1
2°	36342.7
3°	35521.2
4°	34341.3
5°	32819.0
6°	30954.5
7°	28870.2
8°	26607.6
9°	24330.6
10°	22152.6
11°	20192.6
12°	18475.8
13°	17065.3
14°	15941.1
15°	15056.6
17.5°	13419.1
20°	11895.1
22.5°	10109.8
25°	8036.3
27.5°	5672.8
30°	3082.3
32.5°	1772.6
35°	1183.6
37.5°	807.1
40°	574.7
42.5°	445.0
45°	347.7
47.5°	284.6
50°	261.2
52.5°	248.6
55°	243.2
57.5°	252.2
60°	266.6
62.5°	261.2
65°	232.4
67.5°	200.0
70°	169.3
72.5°	140.5
75°	115.3
77.5°	93.7
80°	75.7
82.5°	61.2
85°	46.8
87.5°	16.2

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)