

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: P525504

Luminaire Tested: **IFLD-S-SA2A-935-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525504
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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: 6302 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

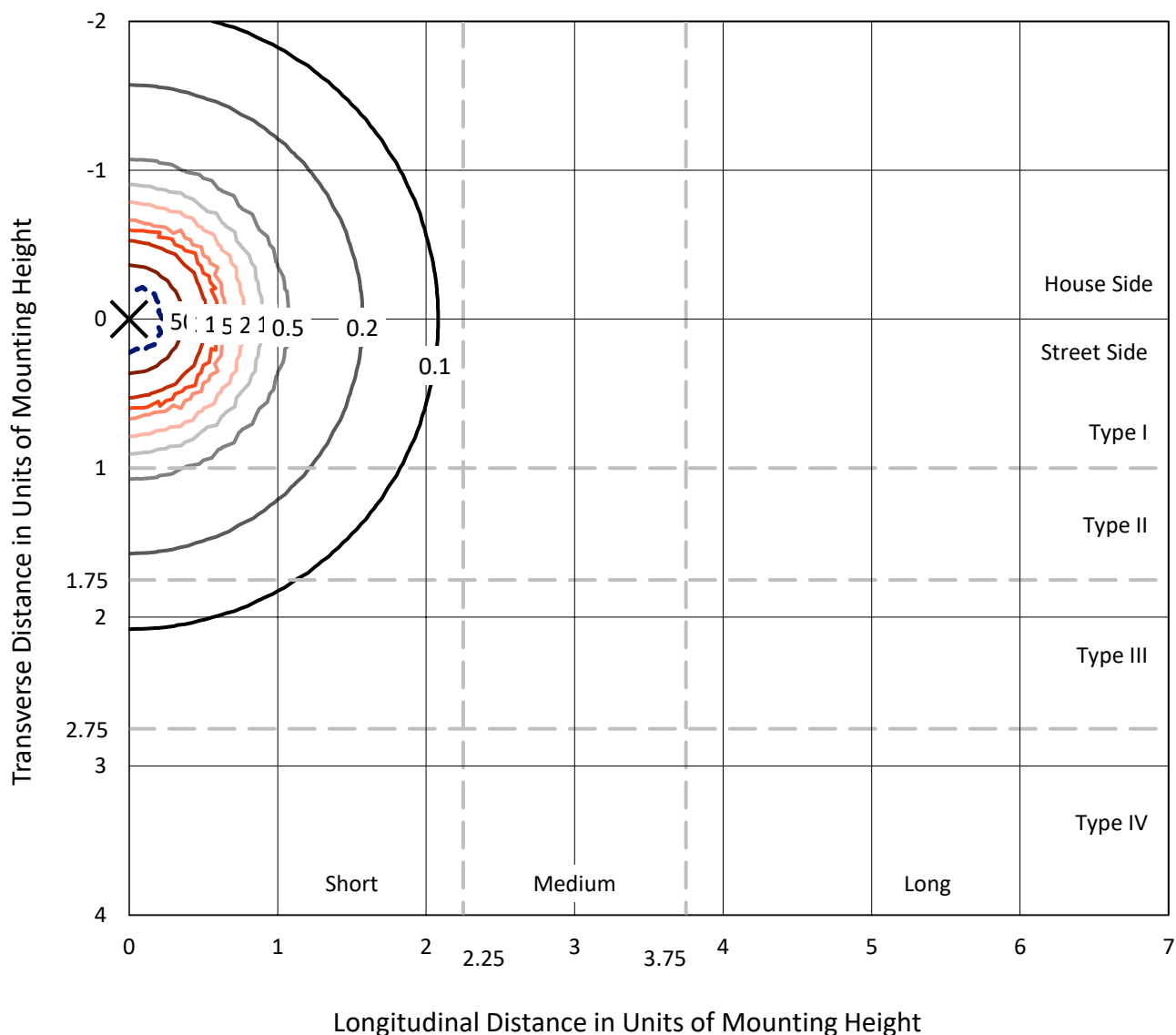
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

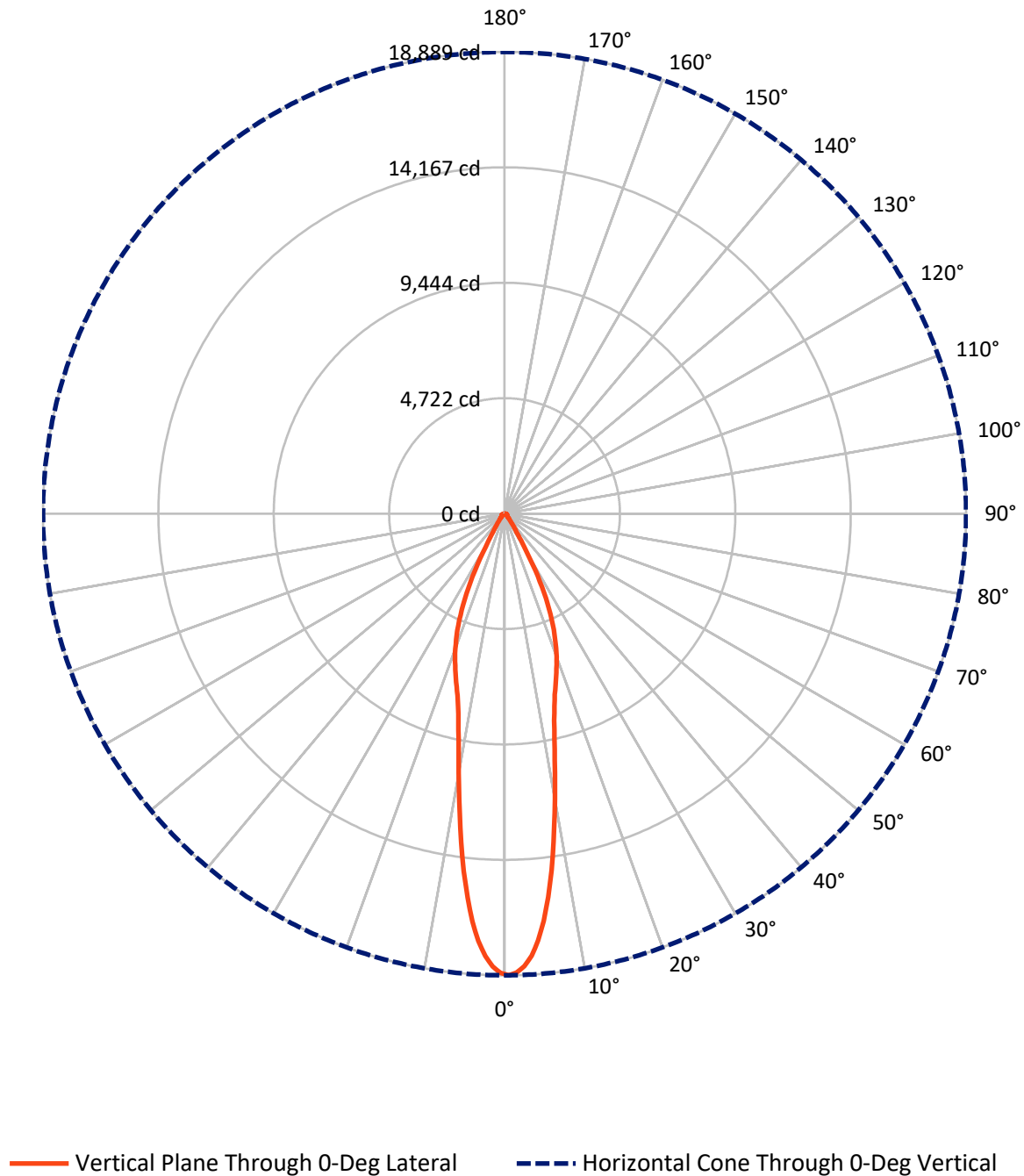


Based on 10 foot mounting height. Maximum calculated value = 188.9 fc

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	3151.0	0.0	3151.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3151.0	0.0	3151.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6302.0	0.0	6302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1414.0	22.4
10°-20°	2205.2	35.0
20°-30°	1786.9	28.4
30°-40°	433.7	6.9
40°-50°	145.9	2.3
50°-60°	115.3	1.8
60°-70°	115.0	1.8
70°-80°	63.5	1.0
80°-90°	22.5	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°	6302.0	100.0
0°-180°	6302.0	100.0

Coefficient of Utilization



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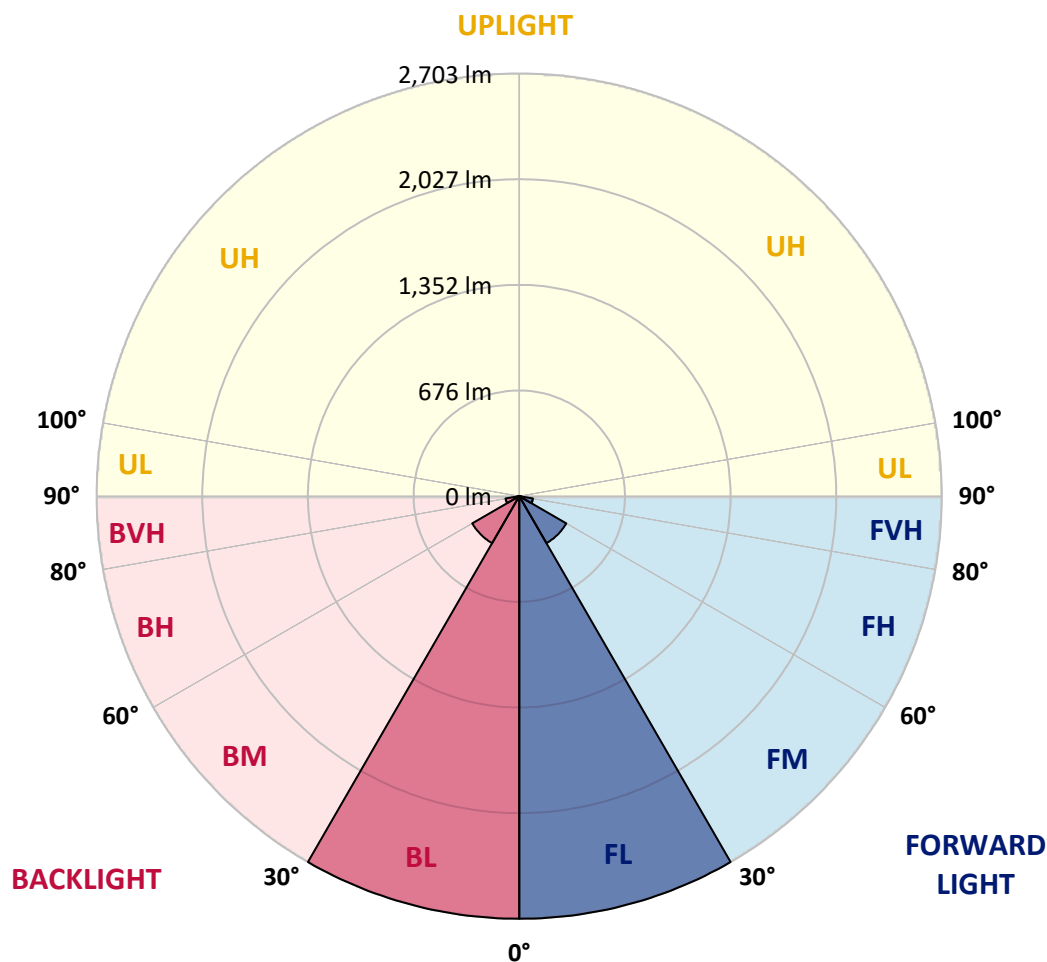
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2703.0	42.9			
FM	(30°-60°)	347.5	5.5			
FH	(60°-80°)	89.3	1.4			G0/660
FVH	(80°-90°)	11.3	0.2			G1/100
BL	(0°-30°)	2703.0	42.9	B4/5000		
BM	(30°-60°)	347.5	5.5	B1/1000		
BH	(60°-80°)	89.3	1.4	B0/110		G0/660
BVH	(80°-90°)	11.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18888.9
1°	18790.6
2°	18537.9
3°	18118.9
4°	17517.0
5°	16740.5
6°	15789.4
7°	14726.3
8°	13572.1
9°	12410.7
10°	11299.7
11°	10299.9
12°	9424.2
13°	8704.7
14°	8131.3
15°	7680.2
17.5°	6844.9
20°	6067.5
22.5°	5156.9
25°	4099.2
27.5°	2893.6
30°	1572.2
32.5°	904.2
35°	603.7
37.5°	411.7
40°	293.1
42.5°	227.0
45°	177.3
47.5°	145.2
50°	133.2
52.5°	126.8
55°	124.1
57.5°	128.6
60°	136.0
62.5°	133.2
65°	118.5
67.5°	102.0
70°	86.4
72.5°	71.7
75°	58.8
77.5°	47.8
80°	38.6
82.5°	31.2
85°	23.9
87.5°	8.3

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)