

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: P525426

Luminaire Tested: **IFLD-S-SA2A-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525426
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6008.6 lumens
Efficiency: N/A
Efficacy: 94.2 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

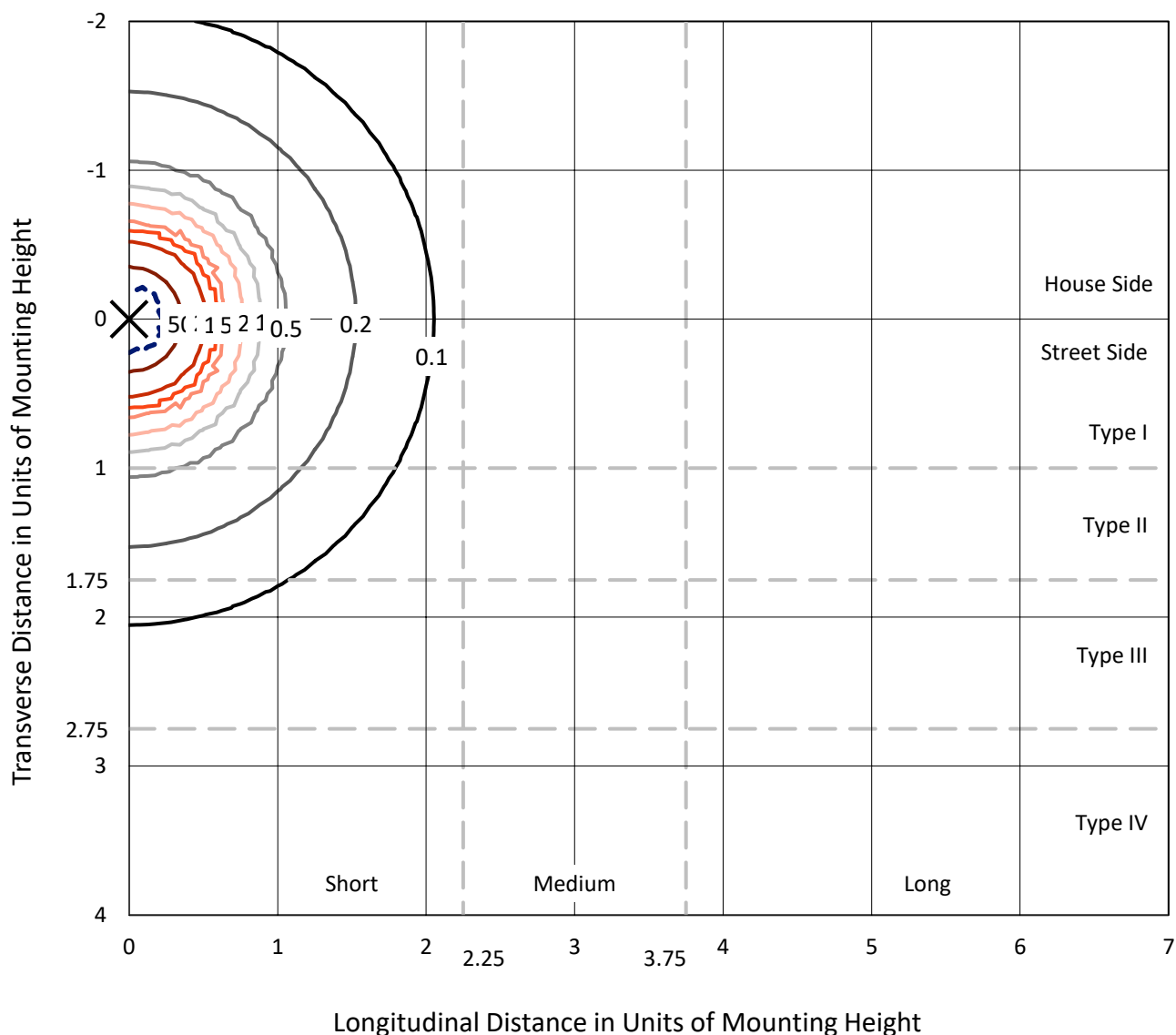
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

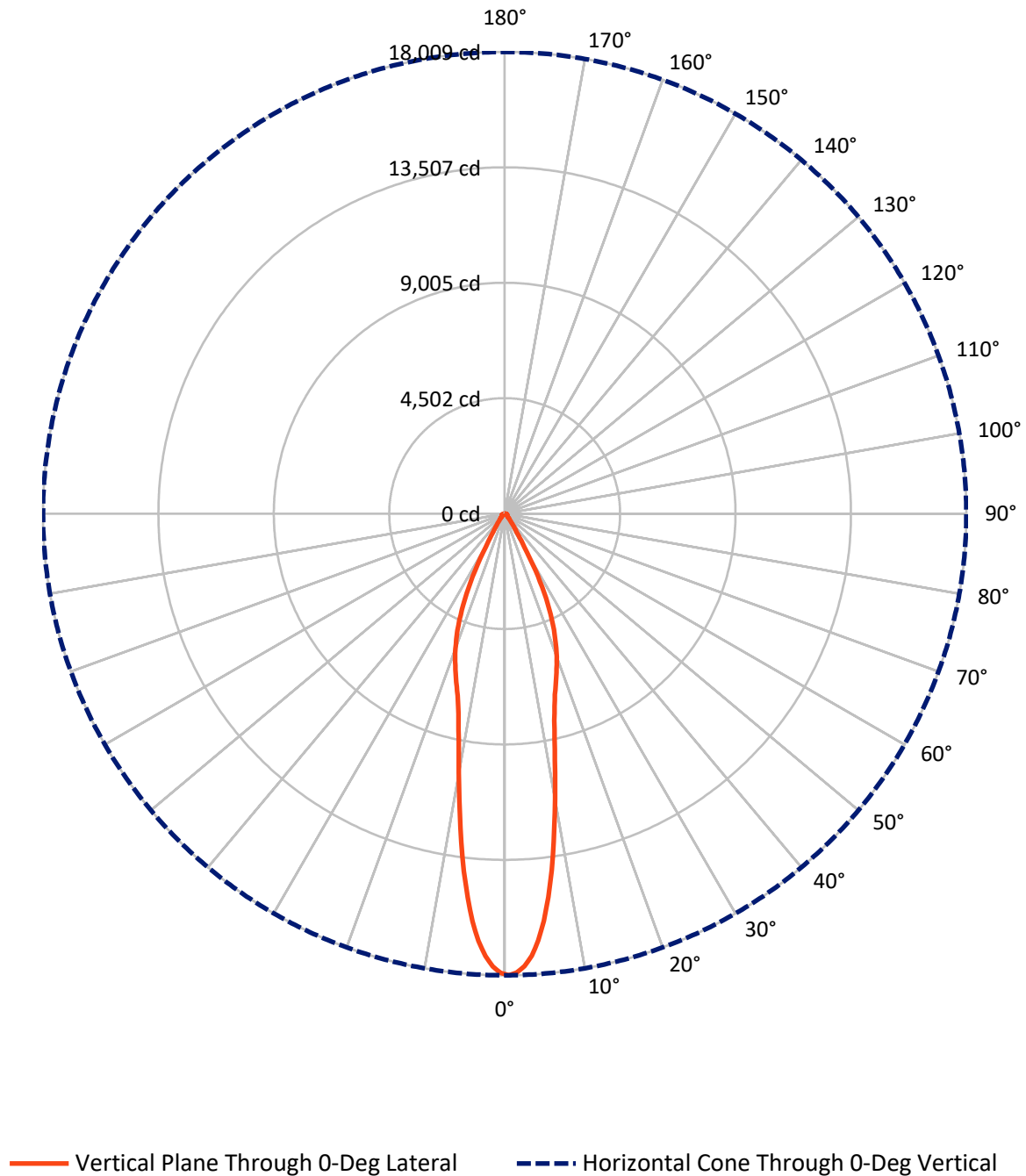


Based on 10 foot mounting height. Maximum calculated value = 180.1 fc

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	3004.3	0.0	3004.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3004.3	0.0	3004.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6008.6	0.0	6008.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.1	22.4
10°-20°	2102.5	35.0
20°-30°	1703.7	28.4
30°-40°	413.5	6.9
40°-50°	139.2	2.3
50°-60°	110.0	1.8
60°-70°	109.7	1.8
70°-80°	60.5	1.0
80°-90°	21.5	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°	6008.6	100.0
0°-180°	6008.6	100.0

Coefficient of Utilization



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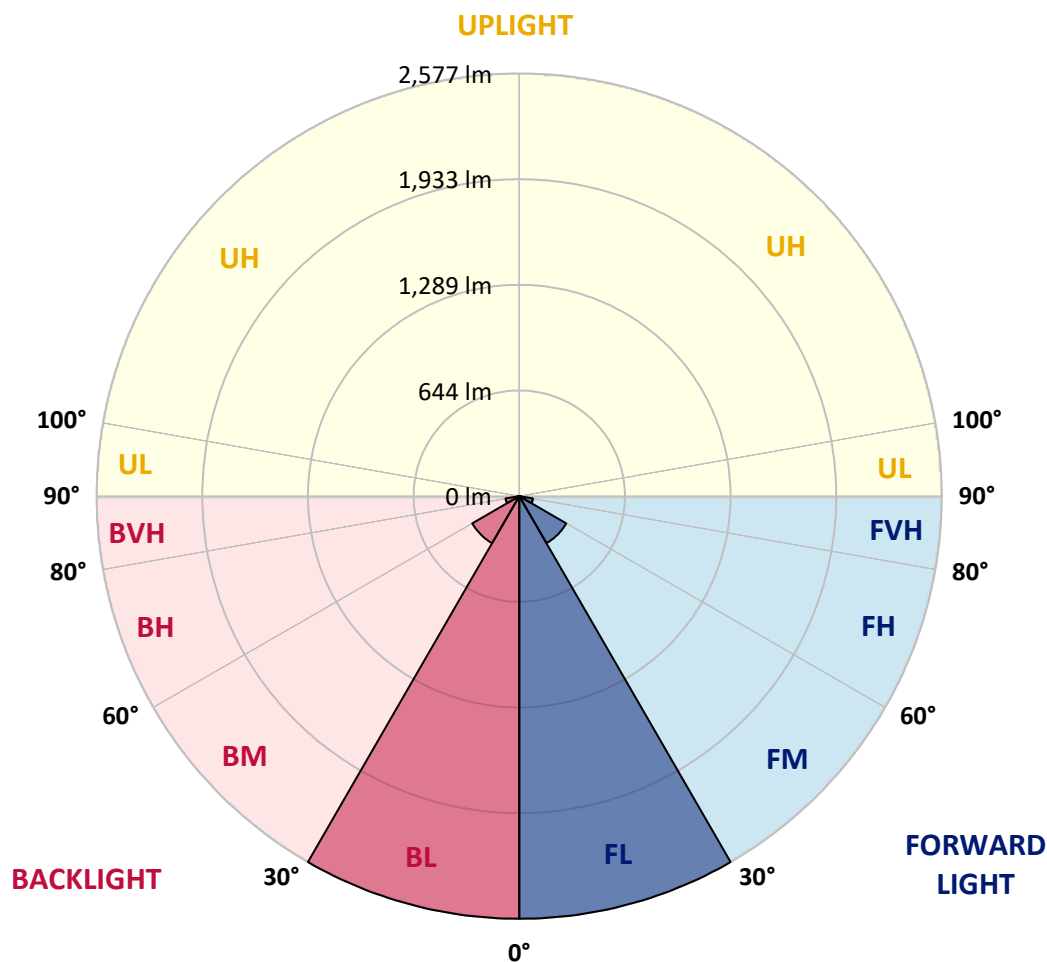
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2577.1	42.9			
FM	(30°-60°)	331.3	5.5			
FH	(60°-80°)	85.1	1.4			G0/660
FVH	(80°-90°)	10.7	0.2			G1/100
BL	(0°-30°)	2577.1	42.9	B4/5000		
BM	(30°-60°)	331.3	5.5	B1/1000		
BH	(60°-80°)	85.1	1.4	B0/110		G0/660
BVH	(80°-90°)	10.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18009.1
1°	17915.4
2°	17674.4
3°	17274.9
4°	16701.1
5°	15960.8
6°	15054.0
7°	14040.4
8°	12940.0
9°	11832.6
10°	10773.4
11°	9820.2
12°	8985.3
13°	8299.3
14°	7752.6
15°	7322.4
17.5°	6526.1
20°	5784.9
22.5°	4916.7
25°	3908.3
27.5°	2758.8
30°	1499.0
32.5°	862.1
35°	575.6
37.5°	392.5
40°	279.5
42.5°	216.4
45°	169.1
47.5°	138.4
50°	127.0
52.5°	120.9
55°	118.3
57.5°	122.7
60°	129.7
62.5°	127.0
65°	113.0
67.5°	97.2
70°	82.4
72.5°	68.3
75°	56.1
77.5°	45.6
80°	36.8
82.5°	29.8
85°	22.8
87.5°	7.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)