

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: P525507

Luminaire Tested: **IFLD-S-SA2D-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525507
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 10675.7 lumens
Efficiency: N/A
Efficacy: 86.2 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): 123.9
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

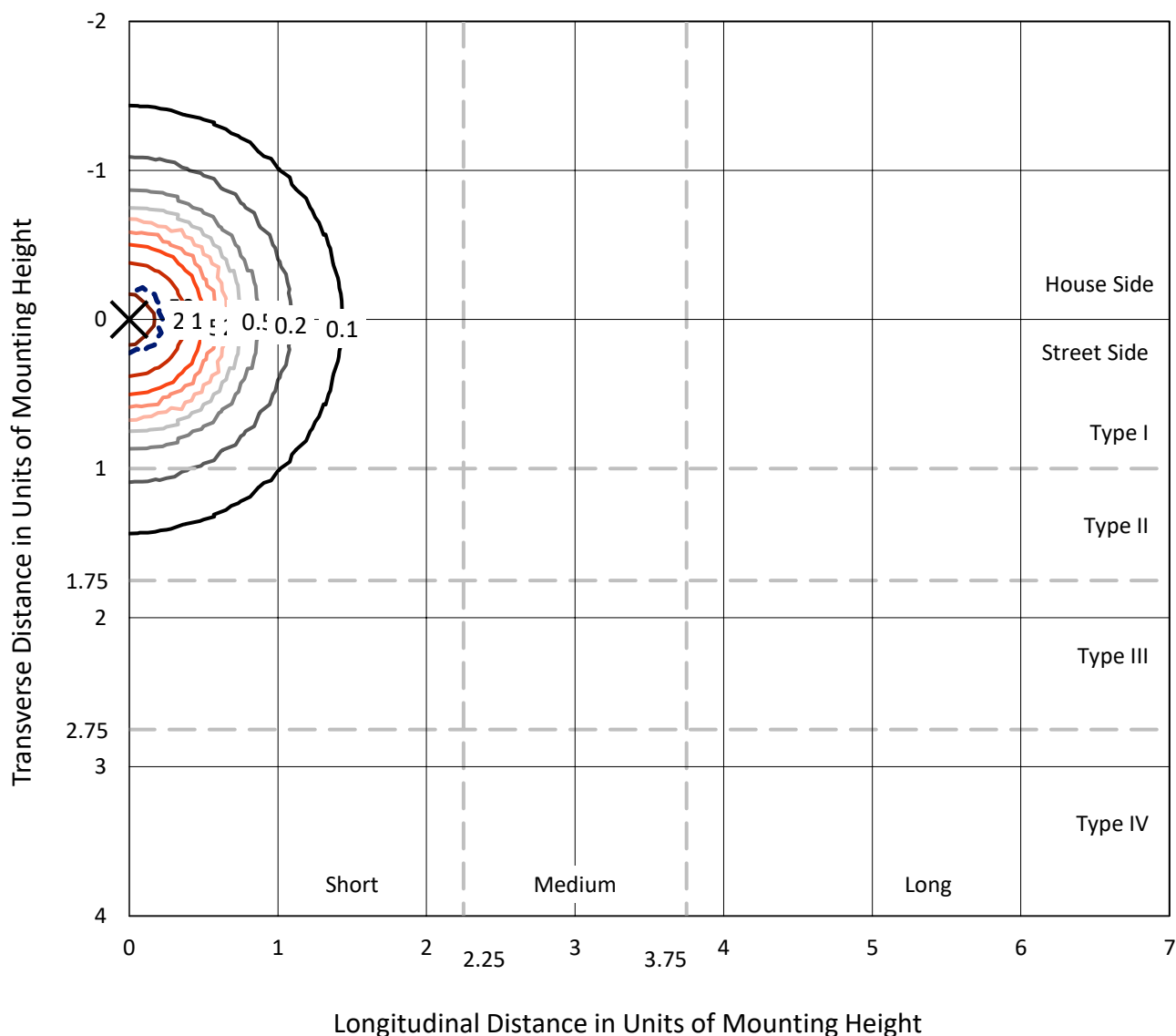
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

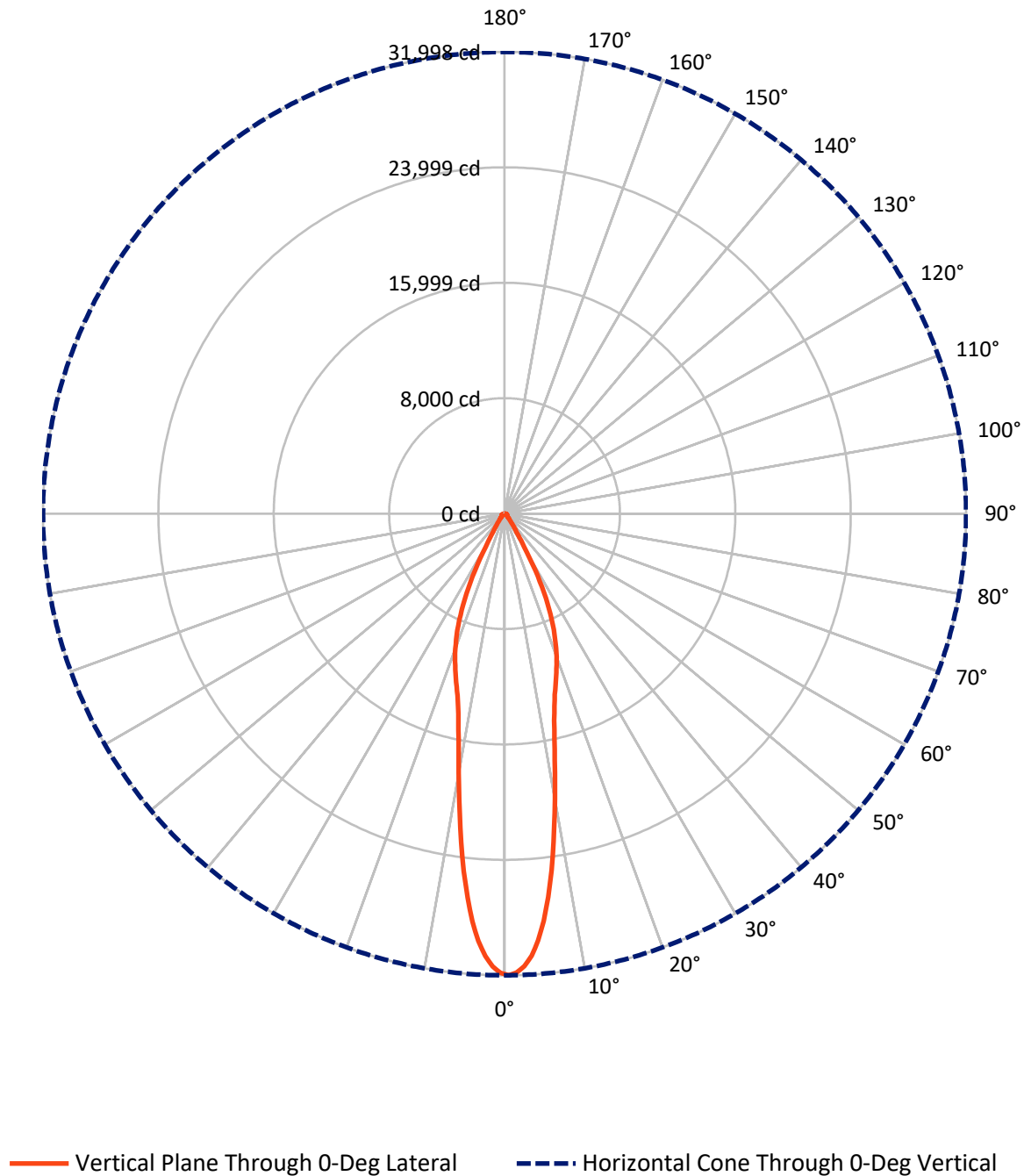


Based on 20 foot mounting height. Maximum calculated value = 80 fc

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	5337.9	0.0	5337.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5337.9	0.0	5337.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10675.7	0.0	10675.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2395.3	22.4
10°-20°	3735.6	35.0
20°-30°	3027.1	28.4
30°-40°	734.7	6.9
40°-50°	247.2	2.3
50°-60°	195.4	1.8
60°-70°	194.9	1.8
70°-80°	107.5	1.0
80°-90°	38.1	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°	10675.7	100.0
0°-180°	10675.7	100.0

Coefficient of Utilization



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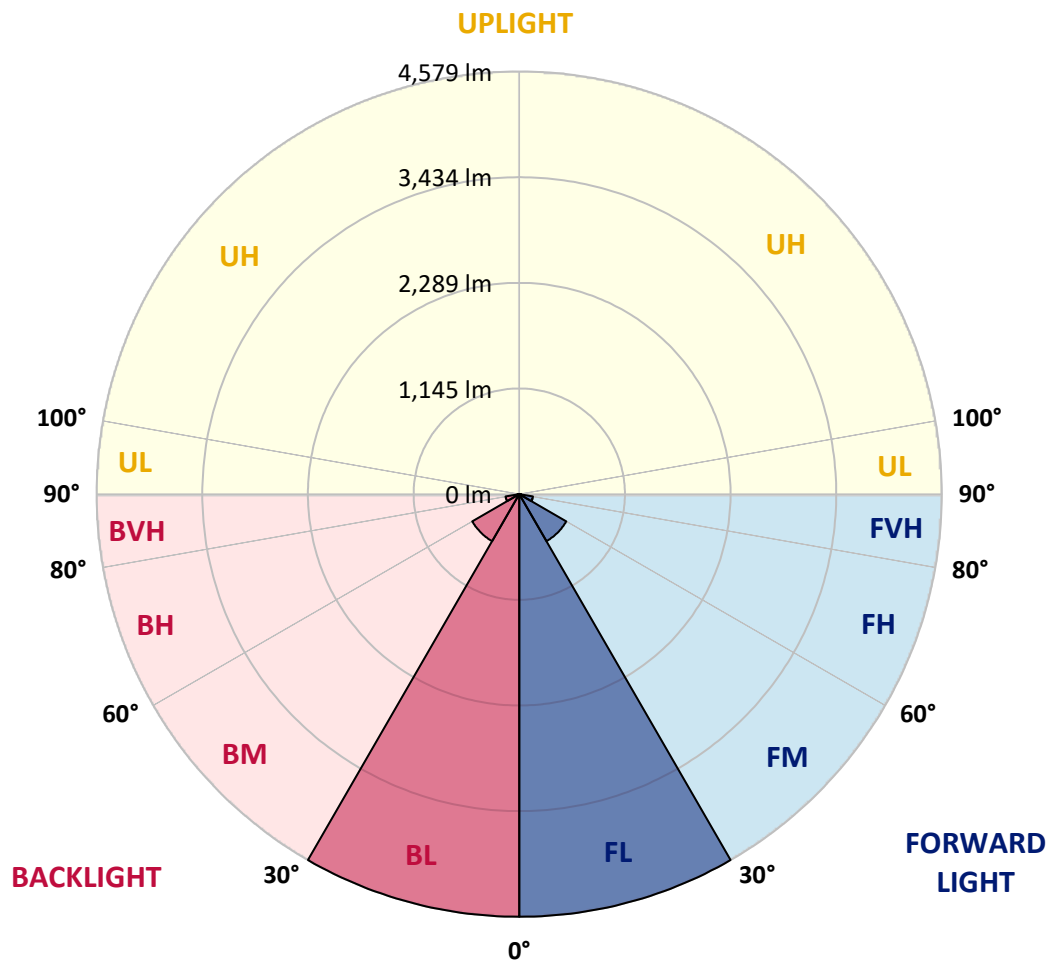
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4579.0	42.9			
FM	(30°-60°)	588.6	5.5			
FH	(60°-80°)	151.2	1.4			G0/660
FVH	(80°-90°)	19.1	0.2			G1/100
BL	(0°-30°)	4579.0	42.9	B4/5000		
BM	(30°-60°)	588.6	5.5	B1/1000		
BH	(60°-80°)	151.2	1.4	B1/500		G0/660
BVH	(80°-90°)	19.1	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°	31998.1
1°	31831.5
2°	31403.5
3°	30693.6
4°	29674.0
5°	28358.7
6°	26747.6
7°	24946.6
8°	22991.4
9°	21023.8
10°	19141.9
11°	17448.3
12°	15964.8
13°	14746.0
14°	13774.6
15°	13010.3
17.5°	11595.3
20°	10278.4
22.5°	8735.8
25°	6944.1
27.5°	4901.8
30°	2663.4
32.5°	1531.7
35°	1022.7
37.5°	697.4
40°	496.6
42.5°	384.5
45°	300.4
47.5°	245.9
50°	225.7
52.5°	214.8
55°	210.1
57.5°	217.9
60°	230.4
62.5°	225.7
65°	200.8
67.5°	172.8
70°	146.3
72.5°	121.4
75°	99.6
77.5°	80.9
80°	65.4
82.5°	52.9
85°	40.5
87.5°	14.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)