

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: P525932

Luminaire Tested: **IFLD-L-SA8D-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525932
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

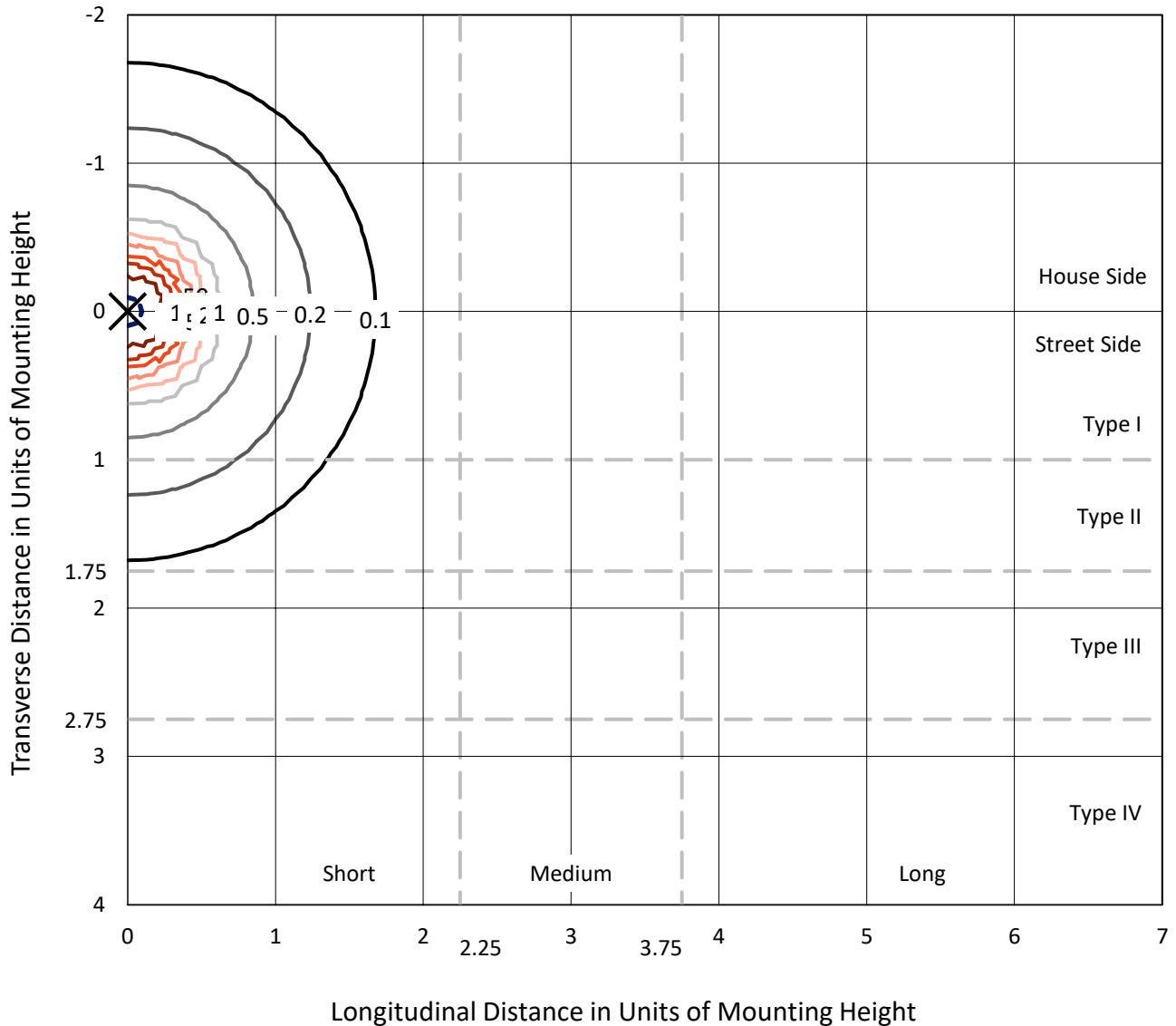
Lumens per Lamp: N/A
Luminaire Lumens: 37202.6 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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

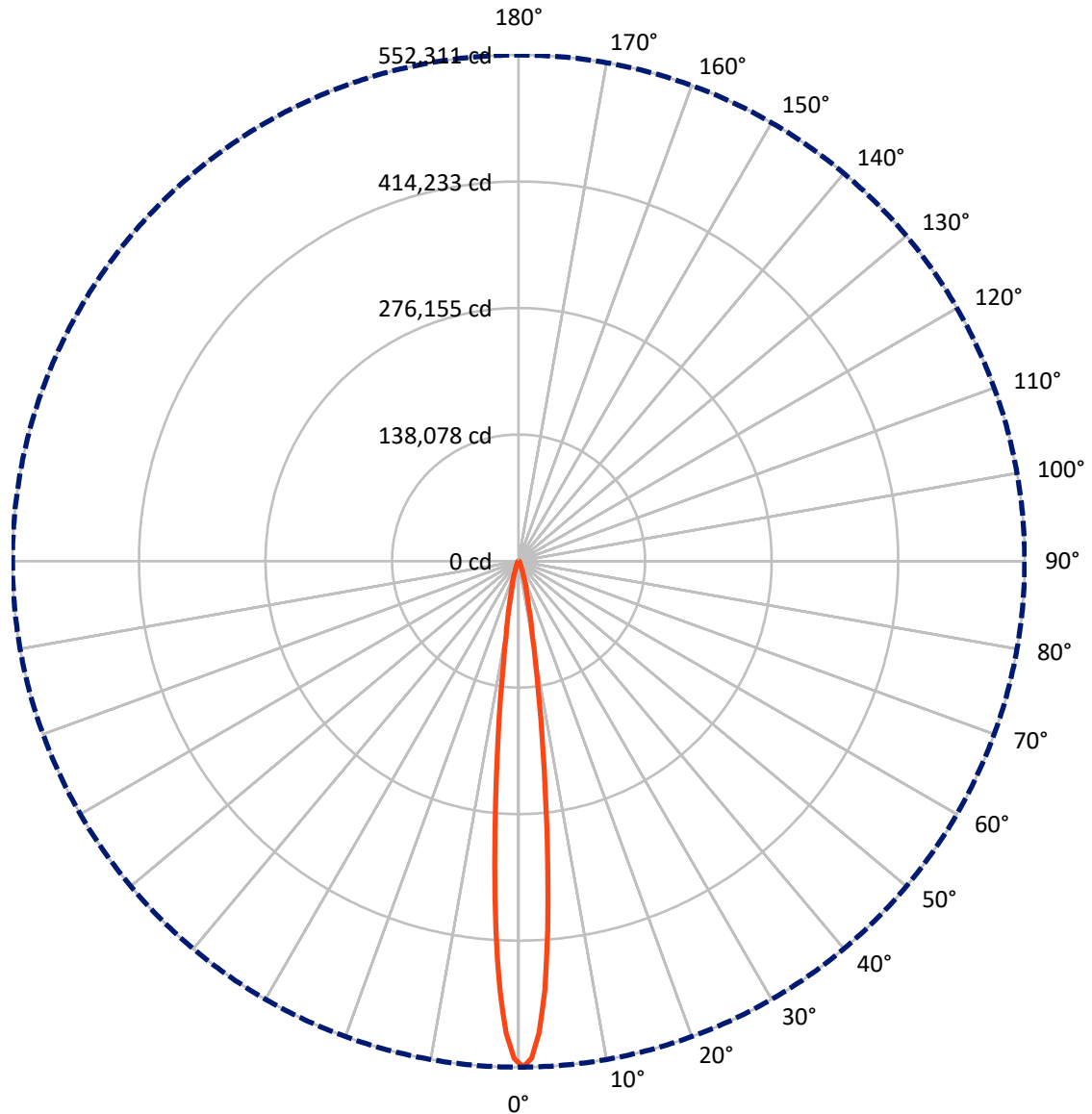
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 613.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18601.3	0.0	18601.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18601.3	0.0	18601.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	37202.6	0.0	37202.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22826.8	61.4
10°-20°	9083.1	24.4
20°-30°	2094.3	5.6
30°-40°	795.1	2.1
40°-50°	648.9	1.7
50°-60°	623.2	1.7
60°-70°	597.1	1.6
70°-80°	395.2	1.1
80°-90°	138.9	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°	37202.6	100.0
0°-180°	37202.6	100.0

Coefficient of Utilization



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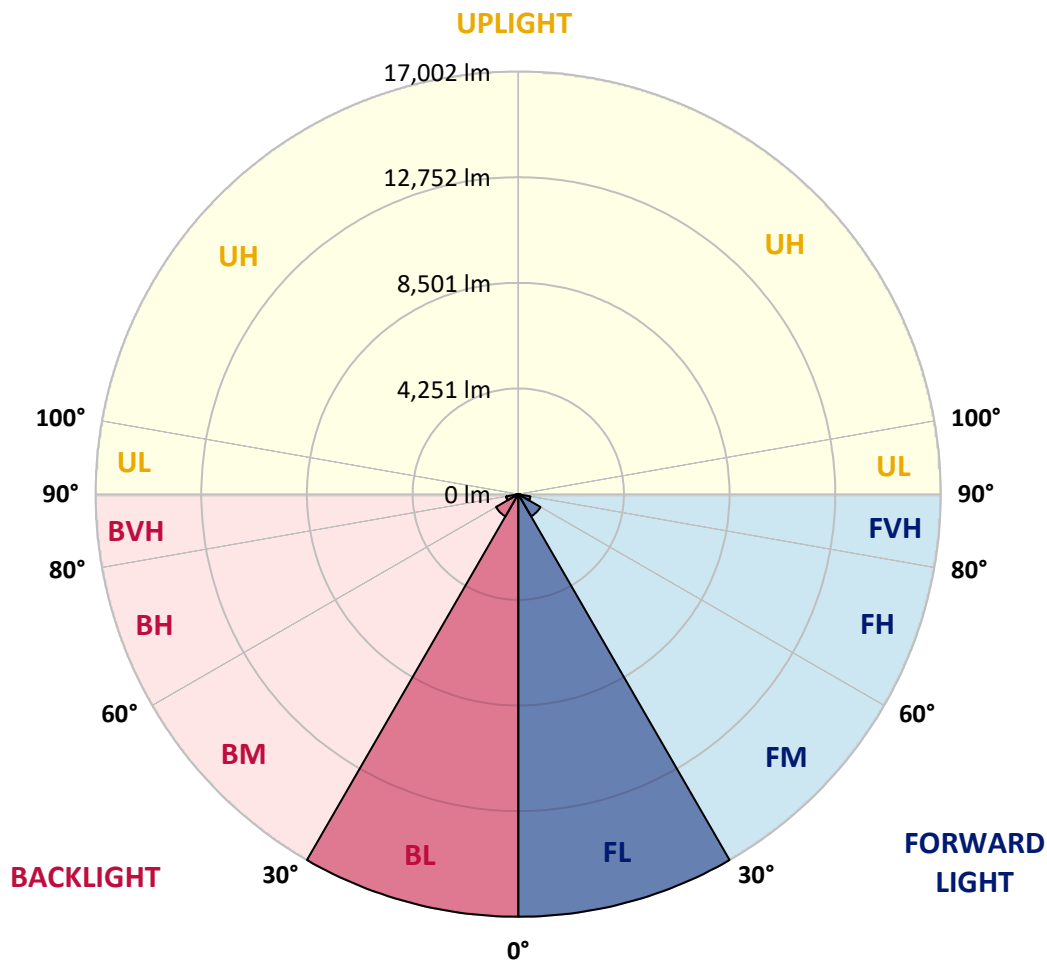
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17002.1	45.7			
FM (30°-60°)	1033.6	2.8			
FH (60°-80°)	496.2	1.3			G0/660
FVH (80°-90°)	69.4	0.2			G1/100
BL (0°-30°)	17002.1	45.7	B5		
BM (30°-60°)	1033.6	2.8	B2/2500		
BH (60°-80°)	496.2	1.3	B1/500		G0/660
BVH (80°-90°)	69.4	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°	552310.5
1°	542594.5
2°	515378.9
3°	468632.9
4°	404360.0
5°	331888.5
6°	260923.5
7°	199882.0
8°	149184.2
9°	111226.3
10°	82946.2
12.5°	45206.7
15°	29006.1
17.5°	19573.9
20°	11637.4
22.5°	6473.7
25°	3700.8
27.5°	2347.1
30°	1692.1
32.5°	1381.0
35°	1228.1
37.5°	1140.8
40°	1026.2
42.5°	911.6
45°	813.3
47.5°	764.2
50°	731.4
52.5°	709.6
55°	693.2
57.5°	682.3
60°	660.5
62.5°	644.1
65°	611.3
67.5°	567.7
70°	513.1
72.5°	442.1
75°	371.2
77.5°	305.7
80°	245.6
82.5°	191.0
85°	141.9
87.5°	54.6
90°	0.0

(END OF REPORT)