

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: P525931

Luminaire Tested: **IFLD-L-SA8C-935-U-22**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525931
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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

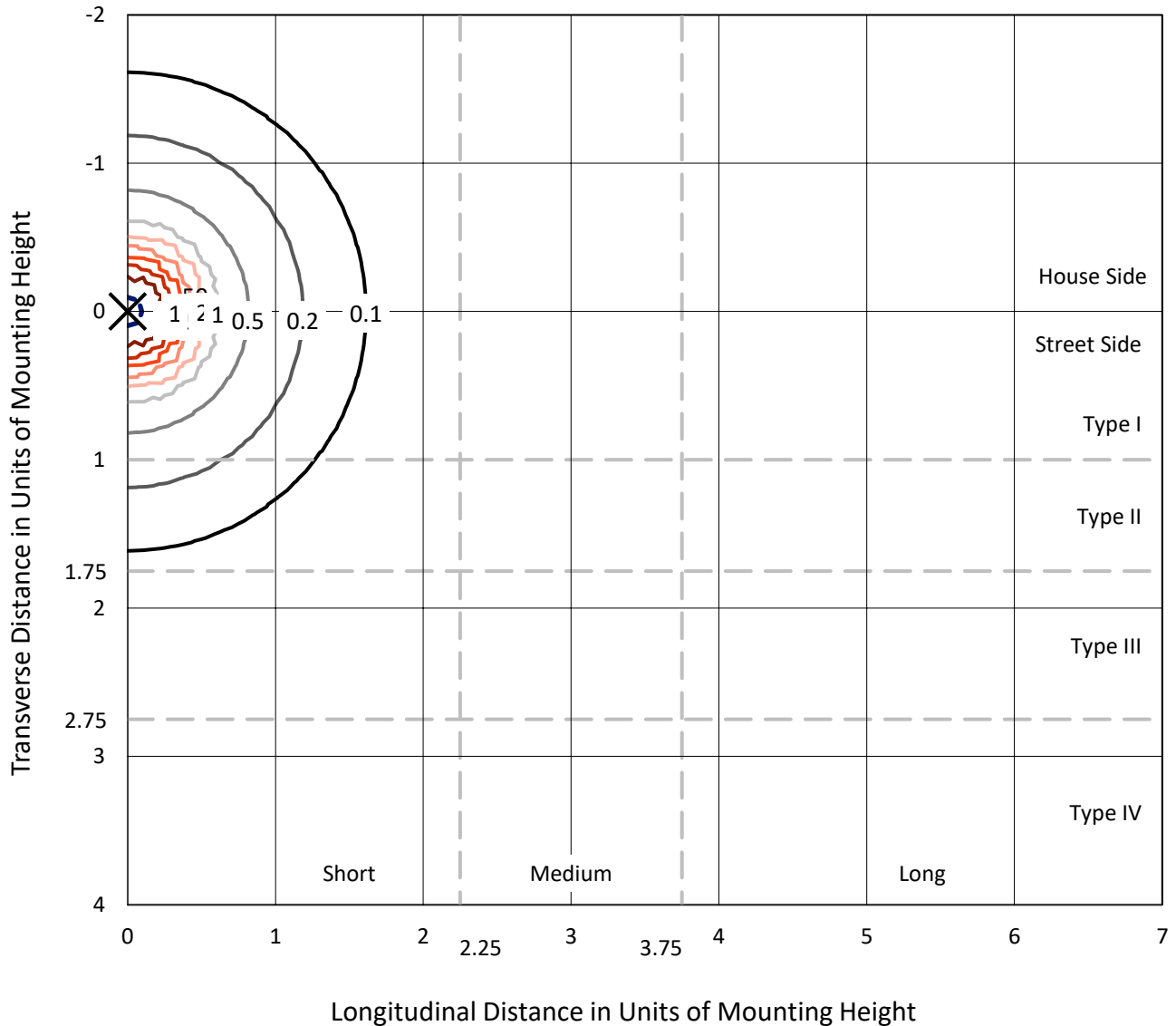
Lumens per Lamp: N/A
Luminaire Lumens: 33810 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

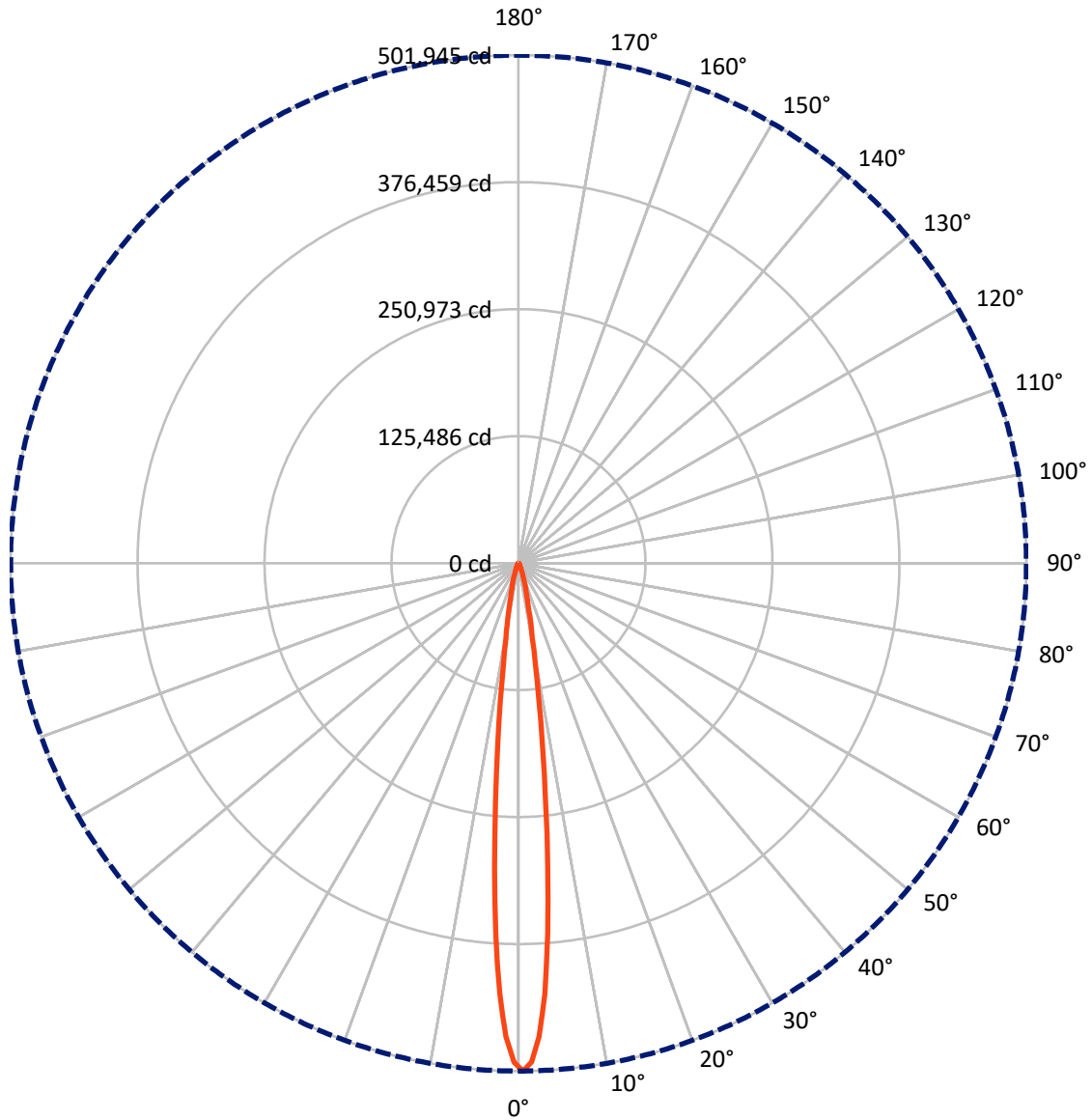
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 557.7 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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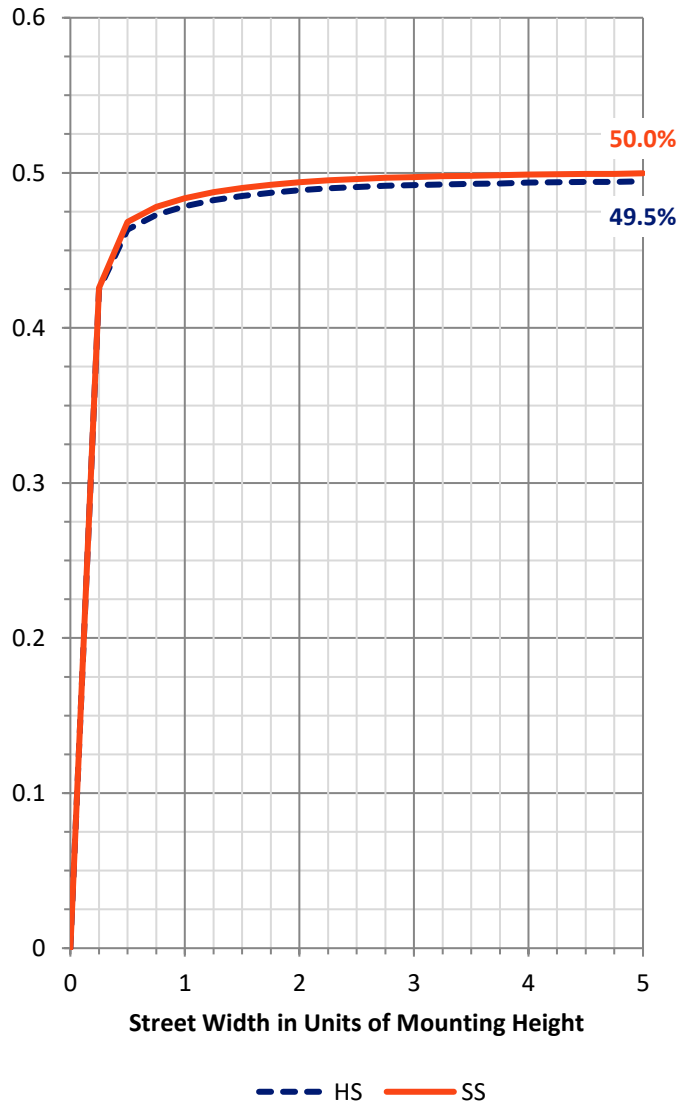
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16905.0	0.0	16905.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16905.0	0.0	16905.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33810.0	0.0	33810.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20745.2	61.4
10°-20°	8254.8	24.4
20°-30°	1903.3	5.6
30°-40°	722.6	2.1
40°-50°	589.7	1.7
50°-60°	566.4	1.7
60°-70°	542.6	1.6
70°-80°	359.2	1.1
80°-90°	126.2	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°	33810.0	100.0
0°-180°	33810.0	100.0

Coefficient of Utilization



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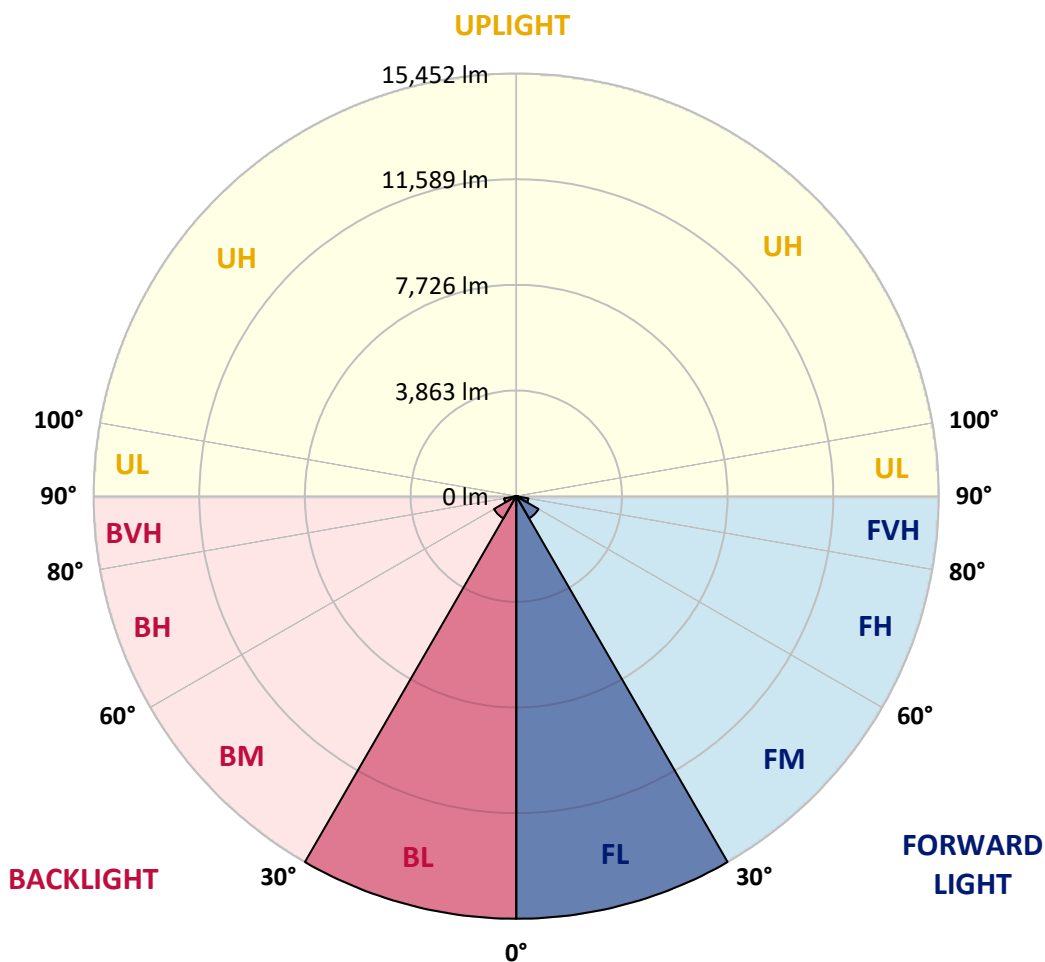
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15451.6	45.7			
FM (30°-60°)	939.4	2.8			
FH (60°-80°)	450.9	1.3			G0/660
FVH (80°-90°)	63.1	0.2			G1/100
BL (0°-30°)	15451.6	45.7	B5		
BM (30°-60°)	939.4	2.8	B1/1000		
BH (60°-80°)	450.9	1.3	B1/500		G0/660
BVH (80°-90°)	63.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	501945.0
1°	493115.0
2°	468381.1
3°	425898.0
4°	367486.1
5°	301623.4
6°	237129.8
7°	181654.6
8°	135580.0
9°	101083.5
10°	75382.3
12.5°	41084.2
15°	26361.0
17.5°	17788.9
20°	10576.1
22.5°	5883.3
25°	3363.3
27.5°	2133.1
30°	1537.8
32.5°	1255.0
35°	1116.1
37.5°	1036.8
40°	932.6
42.5°	828.4
45°	739.1
47.5°	694.5
50°	664.7
52.5°	644.9
55°	630.0
57.5°	620.1
60°	600.2
62.5°	585.4
65°	555.6
67.5°	515.9
70°	466.3
72.5°	401.8
75°	337.3
77.5°	277.8
80°	223.2
82.5°	173.6
85°	129.0
87.5°	49.6
90°	0.0

(END OF REPORT)