

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: P525926

Luminaire Tested: **IFLD-L-SA7C-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525926
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

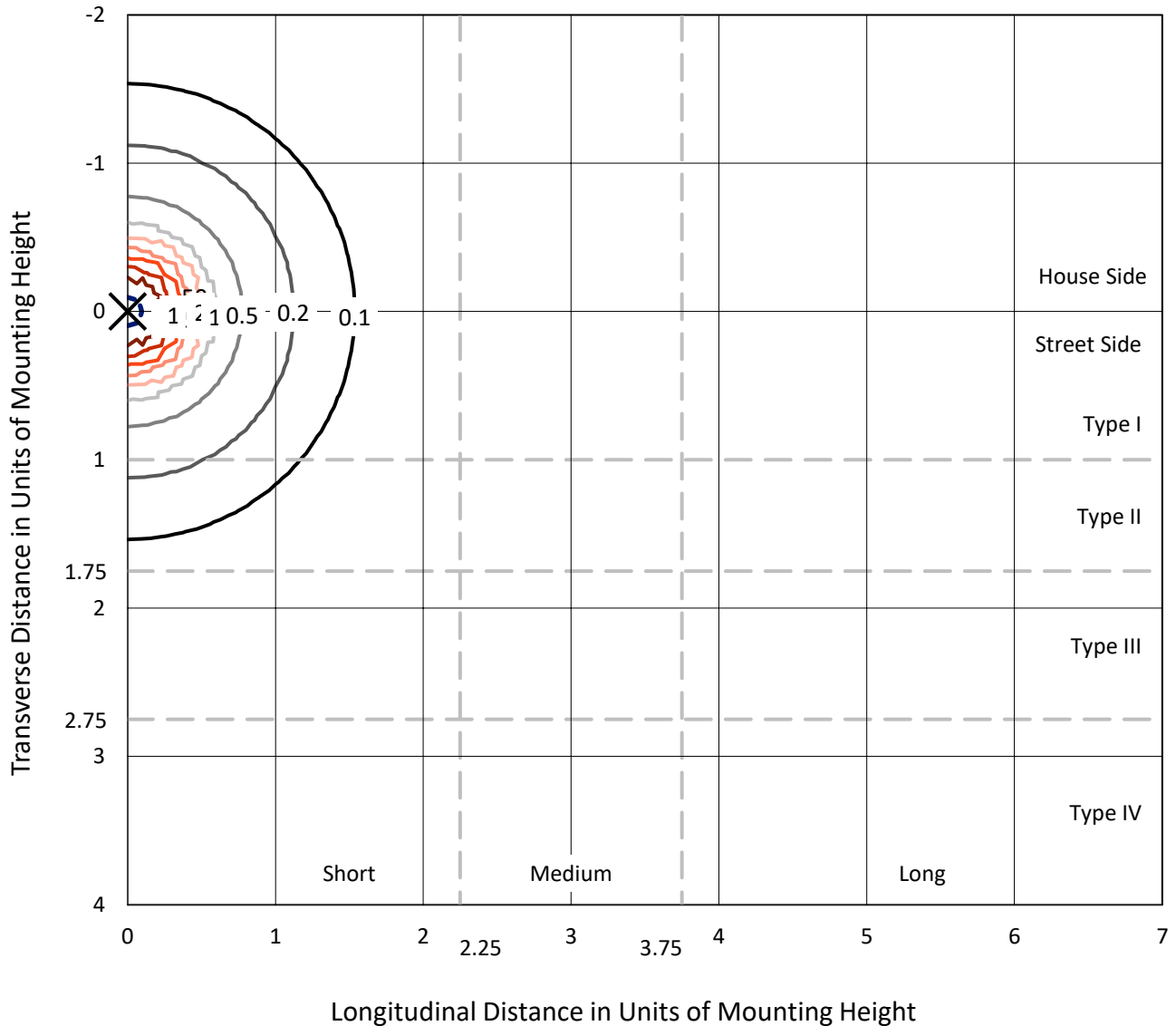
Lumens per Lamp: N/A
Luminaire Lumens: 30074.5 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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

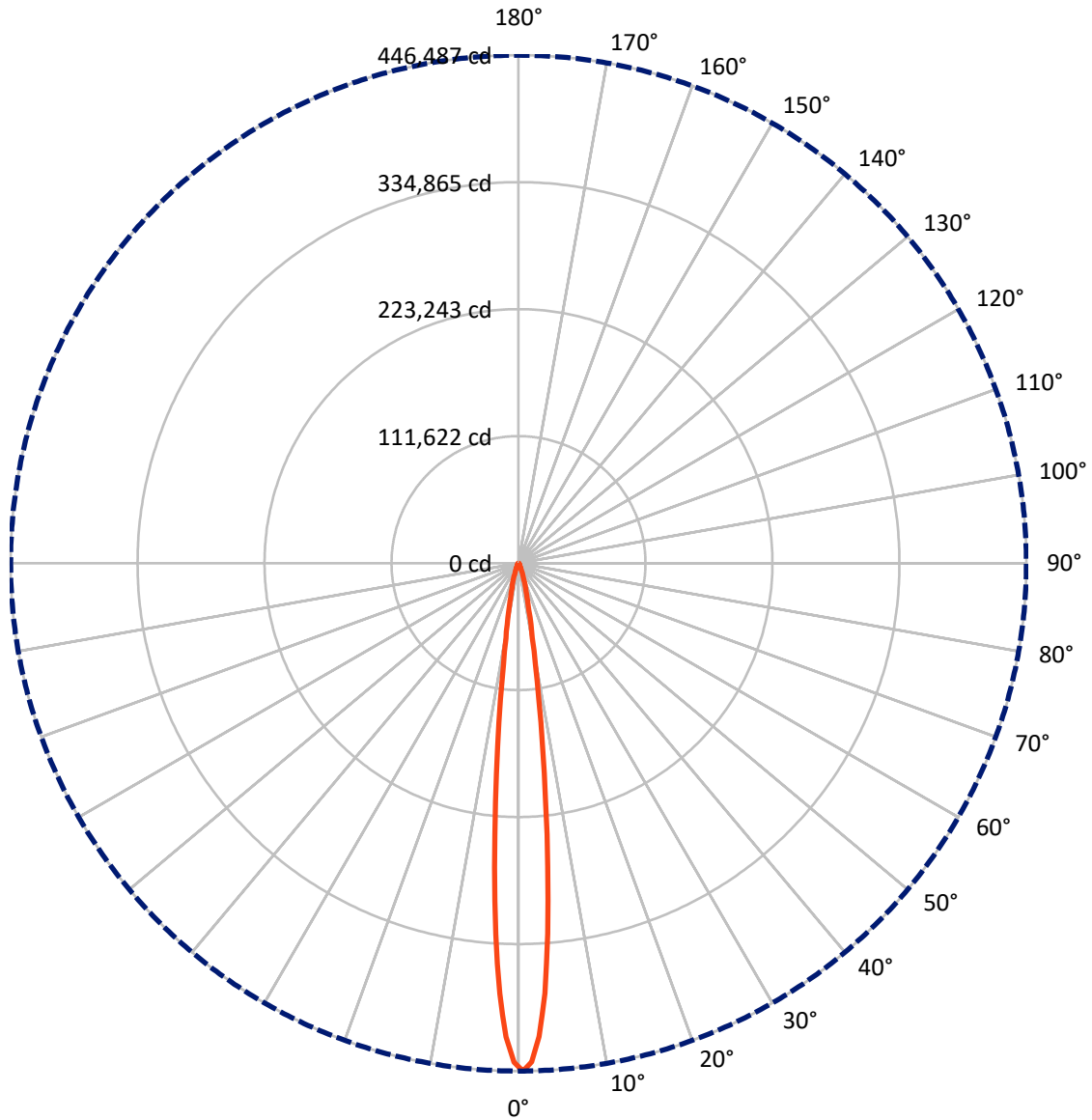
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 496.1 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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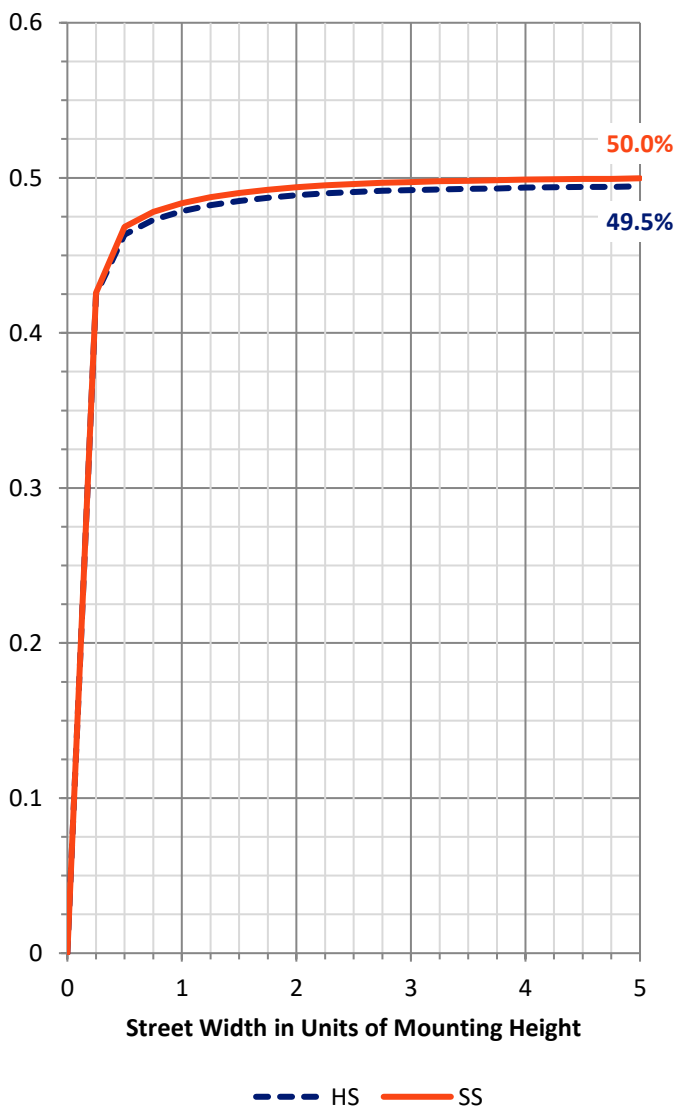
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15037.3	0.0	15037.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15037.3	0.0	15037.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	30074.5	0.0	30074.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18453.1	61.4
10°-20°	7342.7	24.4
20°-30°	1693.0	5.6
30°-40°	642.8	2.1
40°-50°	524.6	1.7
50°-60°	503.8	1.7
60°-70°	482.7	1.6
70°-80°	319.5	1.1
80°-90°	112.2	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°	30074.5	100.0
0°-180°	30074.5	100.0

Coefficient of Utilization



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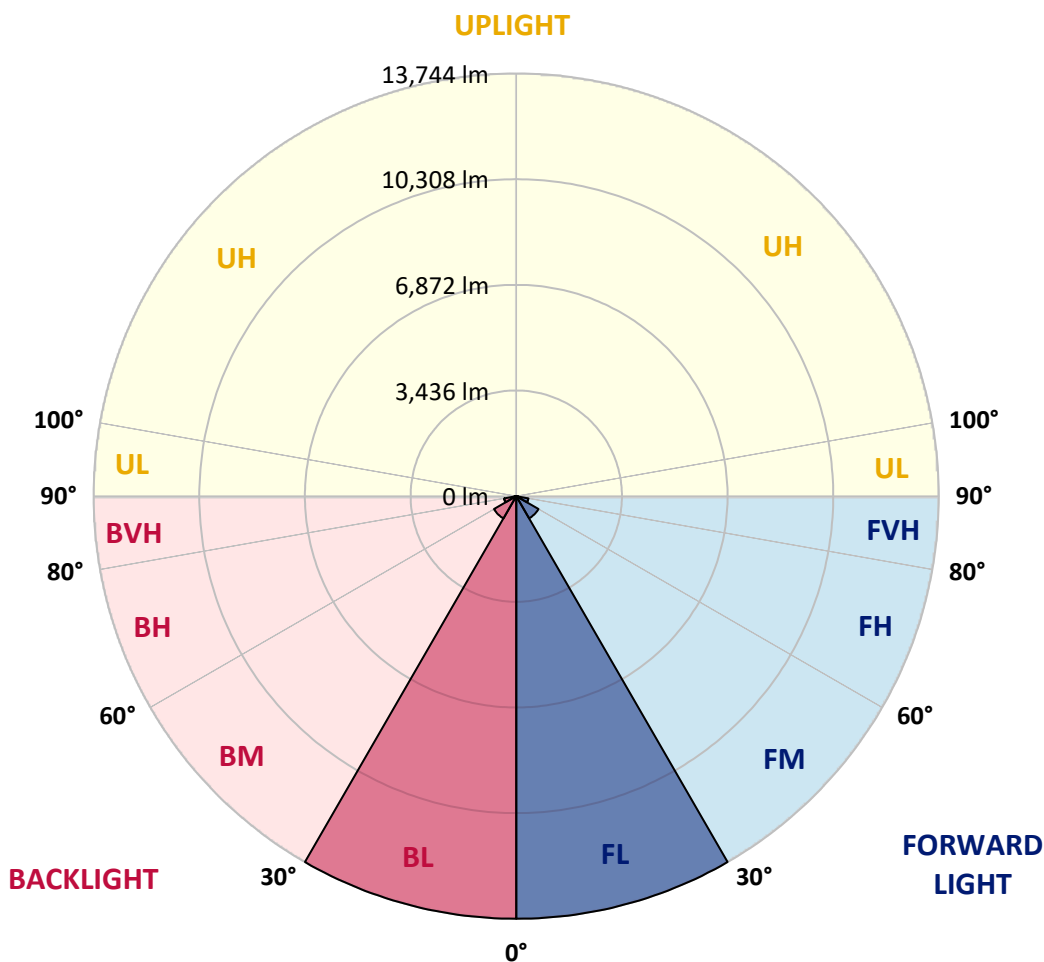
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13744.5	45.7			
FM (30°-60°)	835.6	2.8			
FH (60°-80°)	401.1	1.3			G0/660
FVH (80°-90°)	56.1	0.2			G1/100
BL (0°-30°)	13744.5	45.7	B5		
BM (30°-60°)	835.6	2.8	B1/1000		
BH (60°-80°)	401.1	1.3	B1/500		G0/660
BVH (80°-90°)	56.1	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°	446486.8
1°	438632.4
2°	416631.3
3°	378842.0
4°	326883.9
5°	268298.1
6°	210930.1
7°	161584.2
8°	120600.2
9°	89915.1
10°	67053.6
12.5°	36545.0
15°	23448.4
17.5°	15823.5
20°	9407.6
22.5°	5233.3
25°	2991.7
27.5°	1897.4
30°	1367.9
32.5°	1116.4
35°	992.8
37.5°	922.2
40°	829.6
42.5°	736.9
45°	657.5
47.5°	617.8
50°	591.3
52.5°	573.6
55°	560.4
57.5°	551.6
60°	533.9
62.5°	520.7
65°	494.2
67.5°	458.9
70°	414.8
72.5°	357.4
75°	300.1
77.5°	247.1
80°	198.6
82.5°	154.4
85°	114.7
87.5°	44.1
90°	0.0

(END OF REPORT)