

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: P525966

Luminaire Tested: **IFLD-L-SA7D-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525966
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

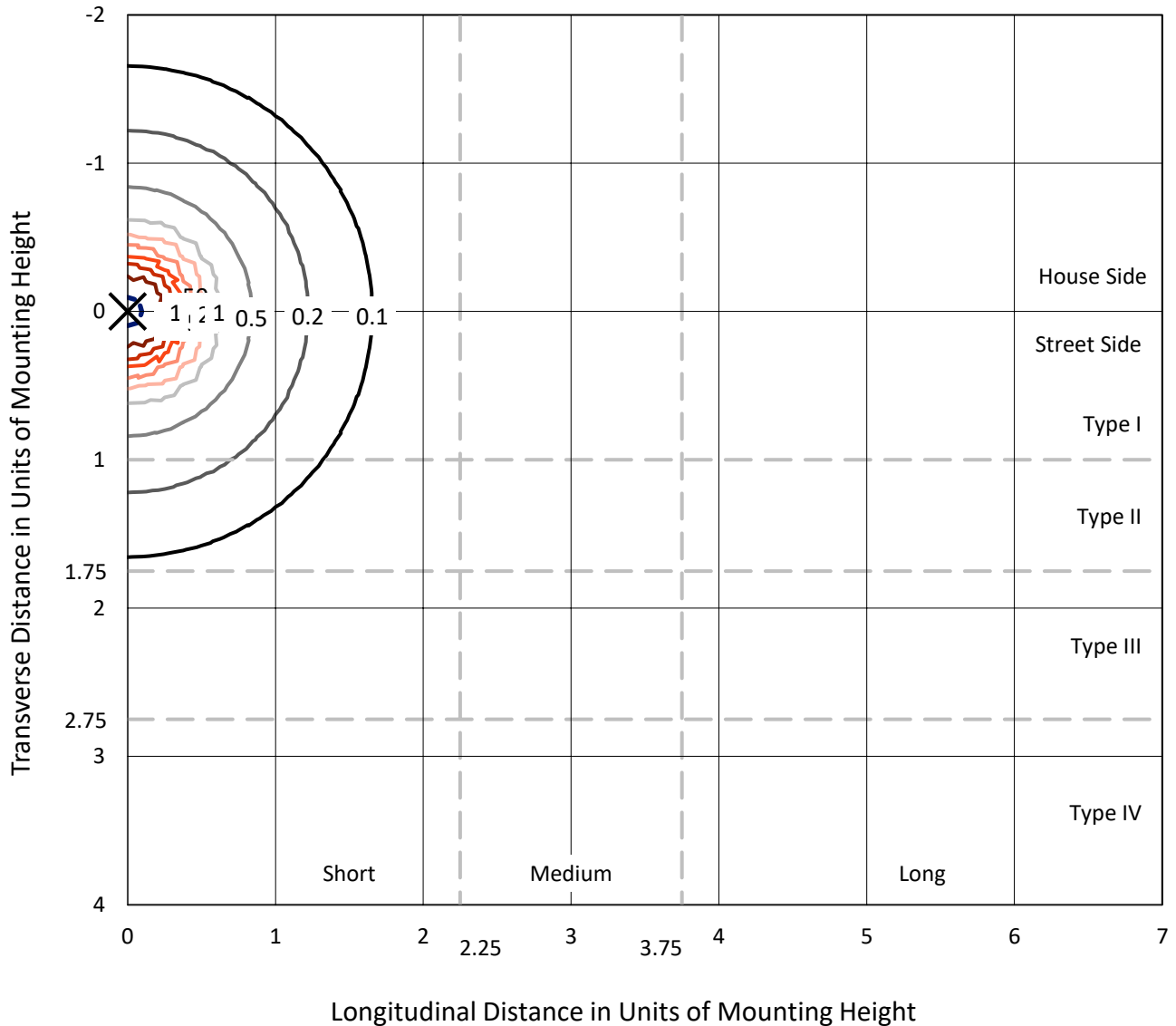
Lumens per Lamp: N/A
Luminaire Lumens: 36012.9 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

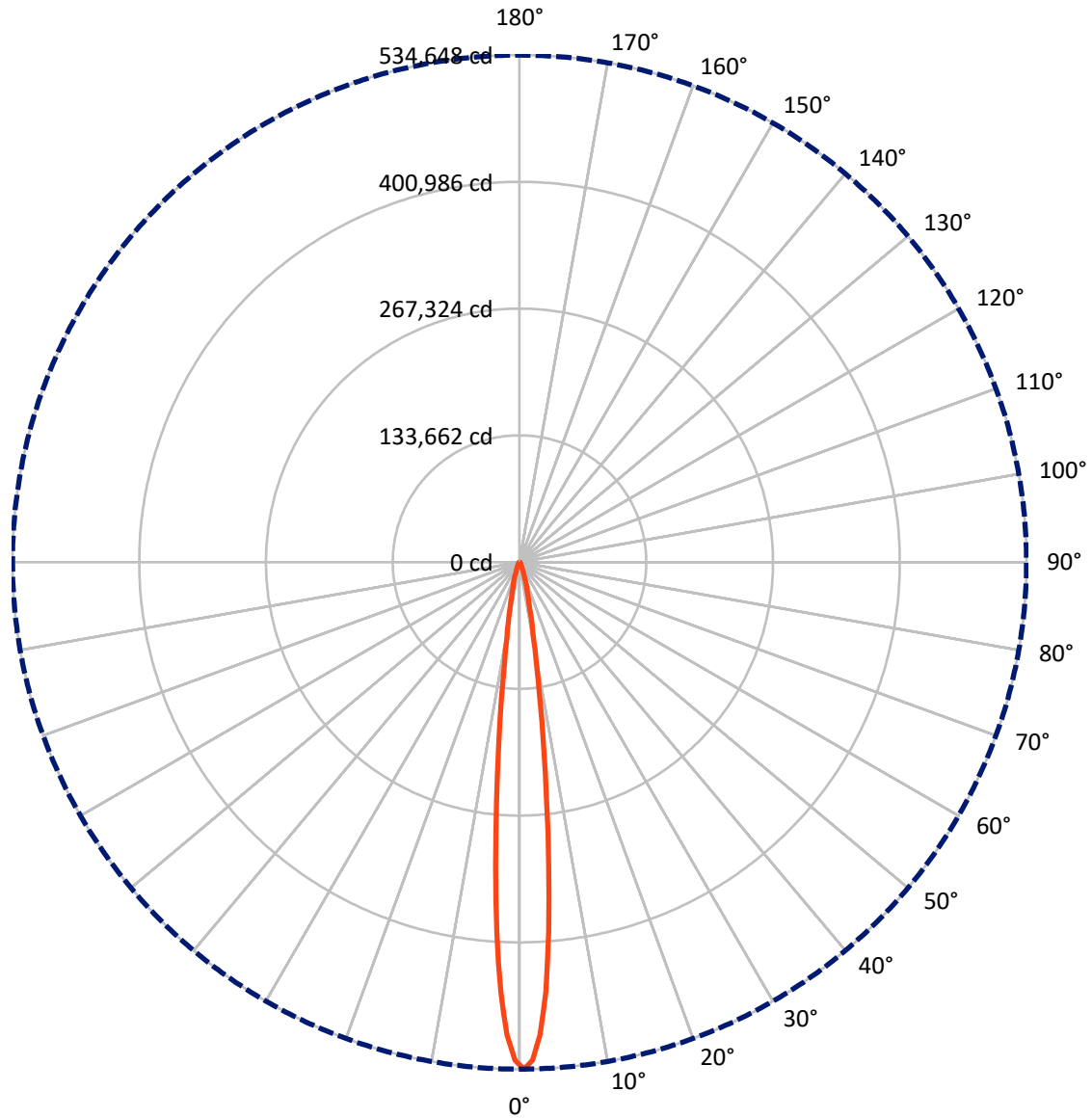
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 594.1 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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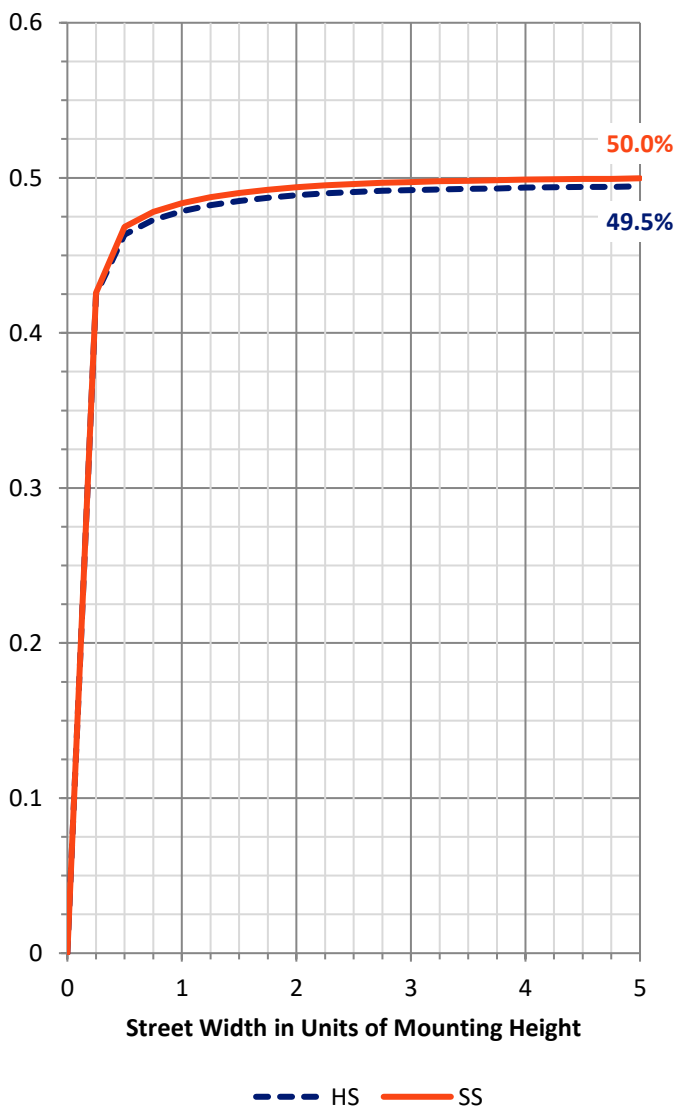
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18006.5	0.0	18006.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18006.5	0.0	18006.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36012.9	0.0	36012.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22096.8	61.4
10°-20°	8792.6	24.4
20°-30°	2027.4	5.6
30°-40°	769.7	2.1
40°-50°	628.2	1.7
50°-60°	603.3	1.7
60°-70°	578.0	1.6
70°-80°	382.6	1.1
80°-90°	134.4	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°	36012.9	100.0
0°-180°	36012.9	100.0

Coefficient of Utilization



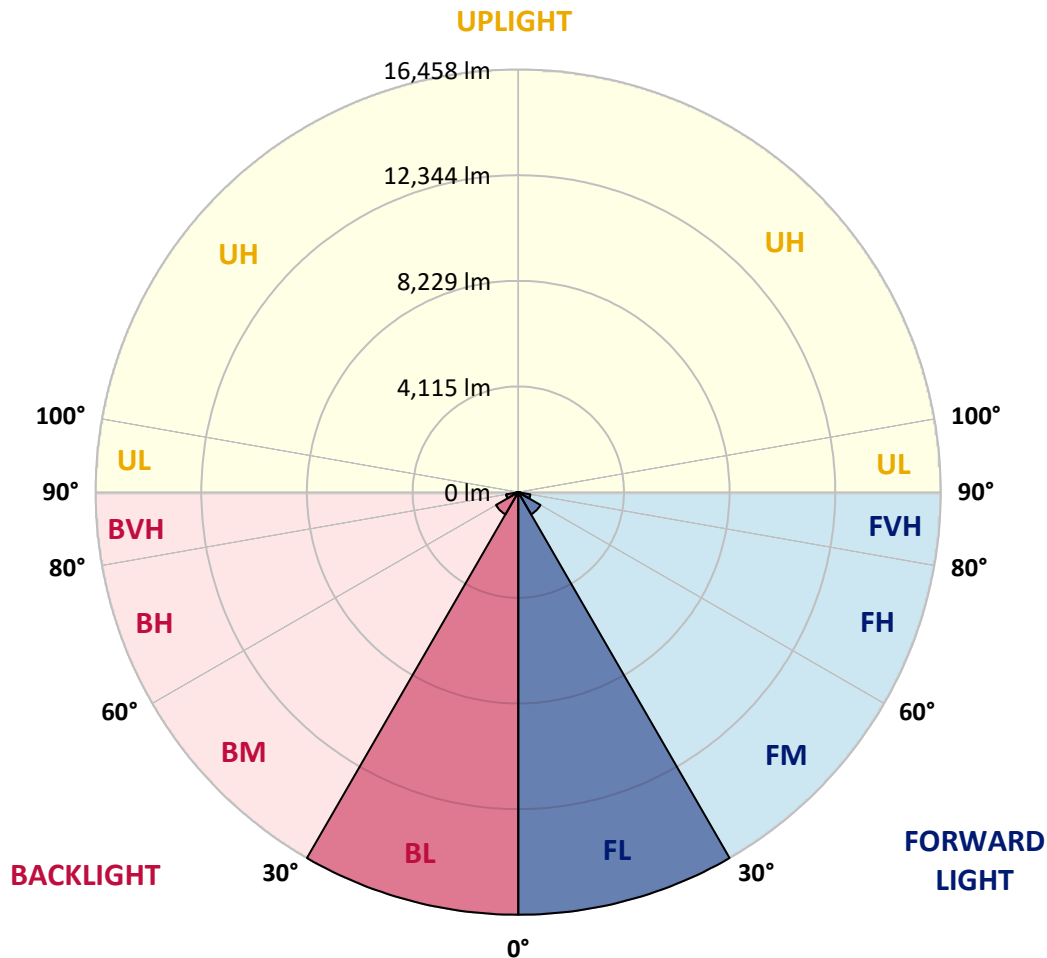
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16458.4	45.7			
FM	(30°-60°)	1000.6	2.8			
FH	(60°-80°)	480.3	1.3			G0/660
FVH	(80°-90°)	67.2	0.2			G1/100
BL	(0°-30°)	16458.4	45.7	B5		
BM	(30°-60°)	1000.6	2.8	B2/2500		
BH	(60°-80°)	480.3	1.3	B1/500		G0/660
BVH	(80°-90°)	67.2	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°	534647.8
1°	525242.6
2°	498897.2
3°	453646.2
4°	391428.7
5°	321274.8
6°	252579.3
7°	193489.8
8°	144413.3
9°	107669.3
10°	80293.6
12.5°	43761.0
15°	28078.5
17.5°	18947.9
20°	11265.2
22.5°	6266.7
25°	3582.5
27.5°	2272.1
30°	1638.0
32.5°	1336.8
35°	1188.9
37.5°	1104.3
40°	993.4
42.5°	882.4
45°	787.3
47.5°	739.7
50°	708.0
52.5°	686.9
55°	671.1
57.5°	660.5
60°	639.3
62.5°	623.5
65°	591.8
67.5°	549.5
70°	496.7
72.5°	428.0
75°	359.3
77.5°	295.9
80°	237.8
82.5°	184.9
85°	137.4
87.5°	52.8
90°	0.0

(END OF REPORT)