

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: P525955

Luminaire Tested: **IFLD-S-SA6C-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525955
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

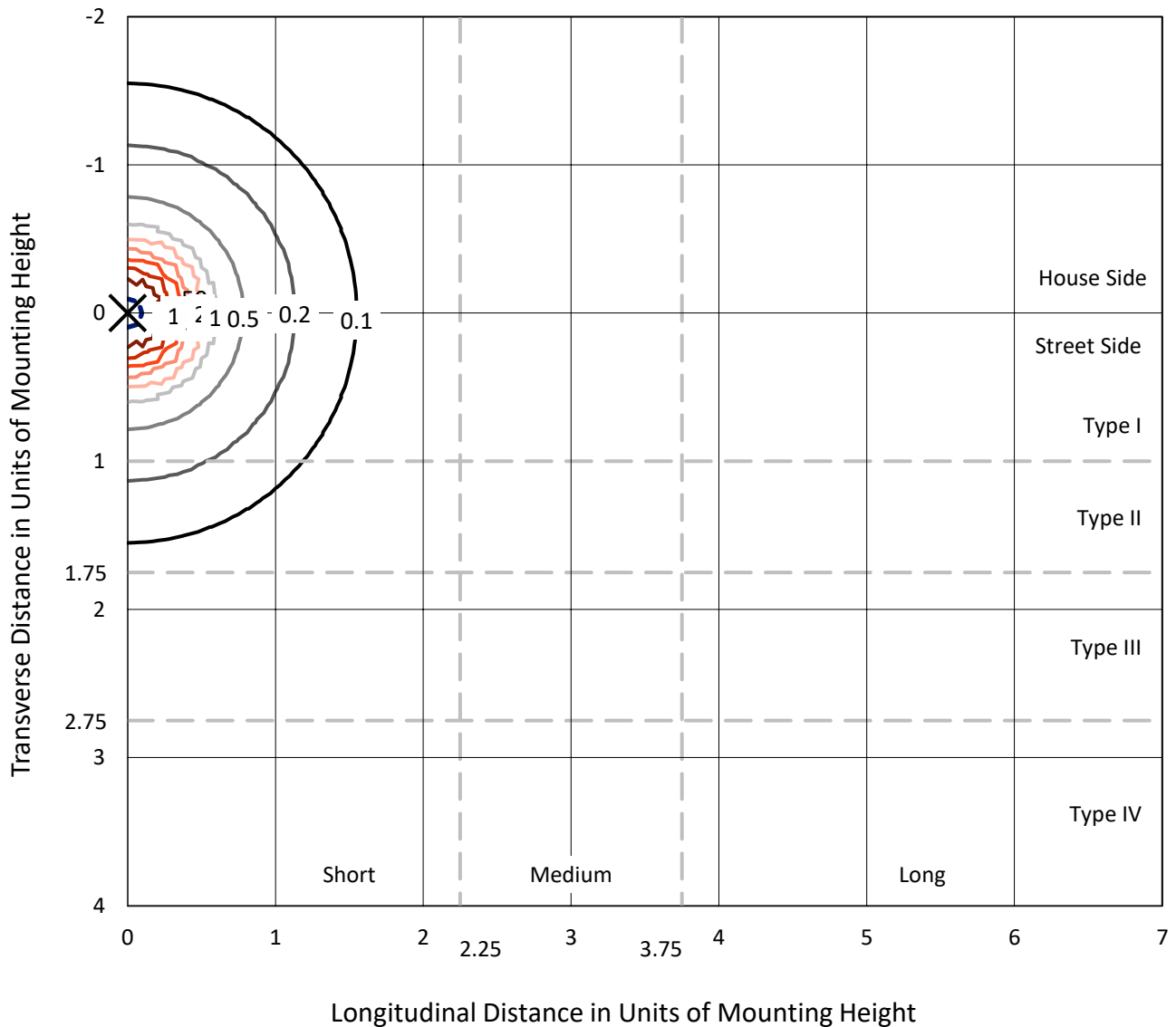
Lumens per Lamp: N/A
Luminaire Lumens: 30677.1 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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

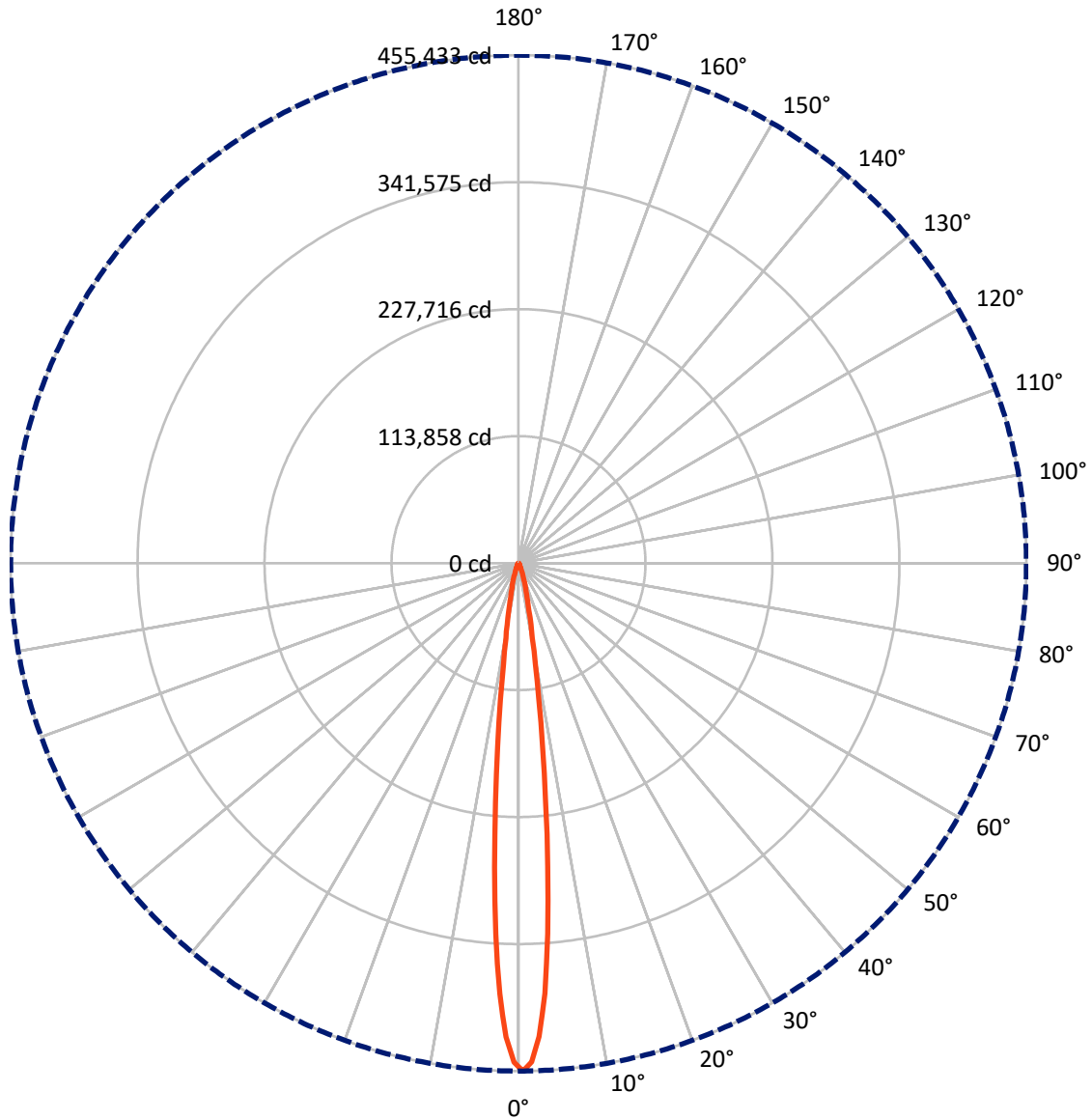
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 506 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	15338.5	0.0	15338.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15338.5	0.0	15338.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30677.1	0.0	30677.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18822.9	61.4
10°-20°	7489.9	24.4
20°-30°	1727.0	5.6
30°-40°	655.7	2.1
40°-50°	535.1	1.7
50°-60°	513.9	1.7
60°-70°	492.3	1.6
70°-80°	325.9	1.1
80°-90°	114.5	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°	30677.1	100.0
0°-180°	30677.1	100.0

Coefficient of Utilization



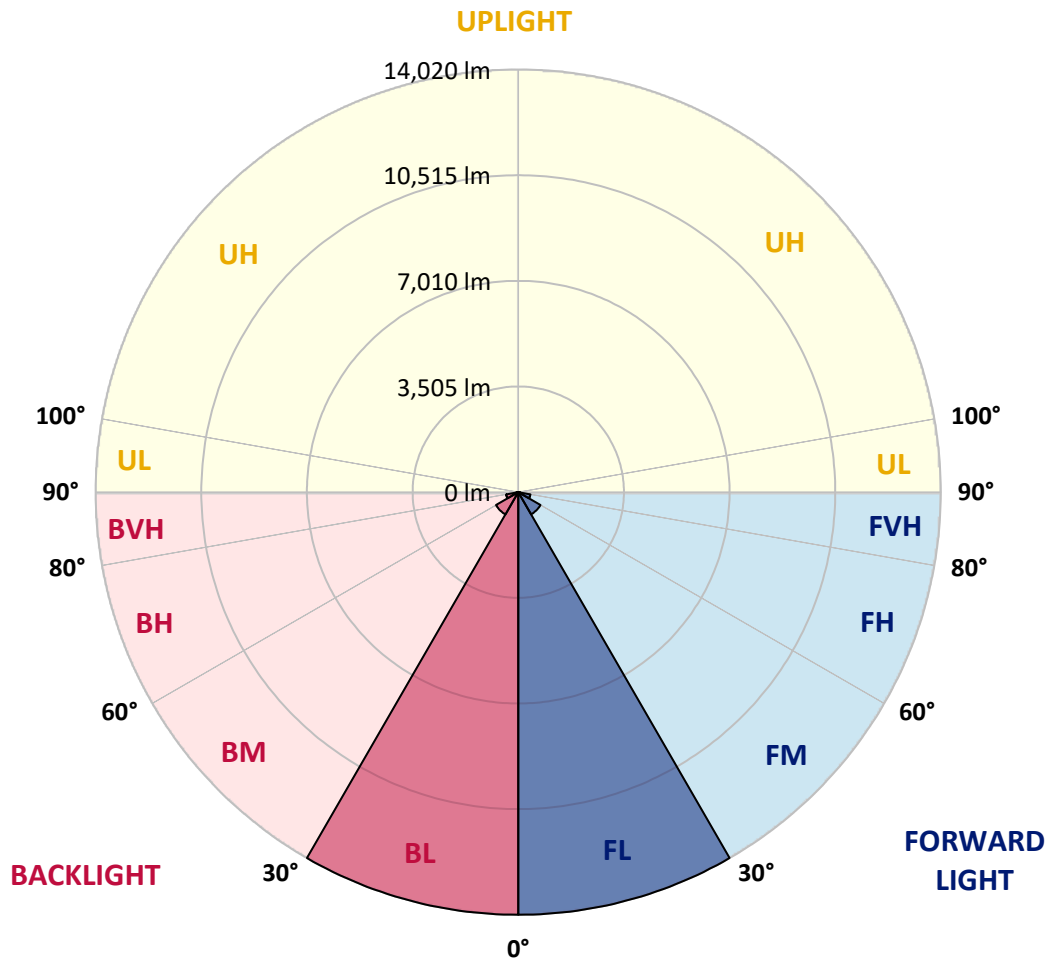
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14019.8	45.7			
FM (30°-60°)	852.3	2.8			
FH (60°-80°)	409.1	1.3			G0/660
FVH (80°-90°)	57.2	0.2			G1/100
BL (0°-30°)	14019.8	45.7	B5		
BM (30°-60°)	852.3	2.8	B1/1000		
BH (60°-80°)	409.1	1.3	B1/500		G0/660
BVH (80°-90°)	57.2	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°	455432.8
1°	447421.1
2°	424979.1
3°	386432.6
4°	333433.4
5°	273673.8
6°	215156.4
7°	164821.8
8°	123016.6
9°	91716.7
10°	68397.1
12.5°	37277.2
15°	23918.3
17.5°	16140.6
20°	9596.1
22.5°	5338.2
25°	3051.7
27.5°	1935.4
30°	1395.3
32.5°	1138.8
35°	1012.7
37.5°	940.7
40°	846.2
42.5°	751.7
45°	670.6
47.5°	630.1
50°	603.1
52.5°	585.1
55°	571.6
57.5°	562.6
60°	544.6
62.5°	531.1
65°	504.1
67.5°	468.1
70°	423.1
72.5°	364.6
75°	306.1
77.5°	252.1
80°	202.5
82.5°	157.5
85°	117.0
87.5°	45.0
90°	0.0

(END OF REPORT)