

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: P525942

Luminaire Tested: **IFLD-S-SA3E-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525942
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

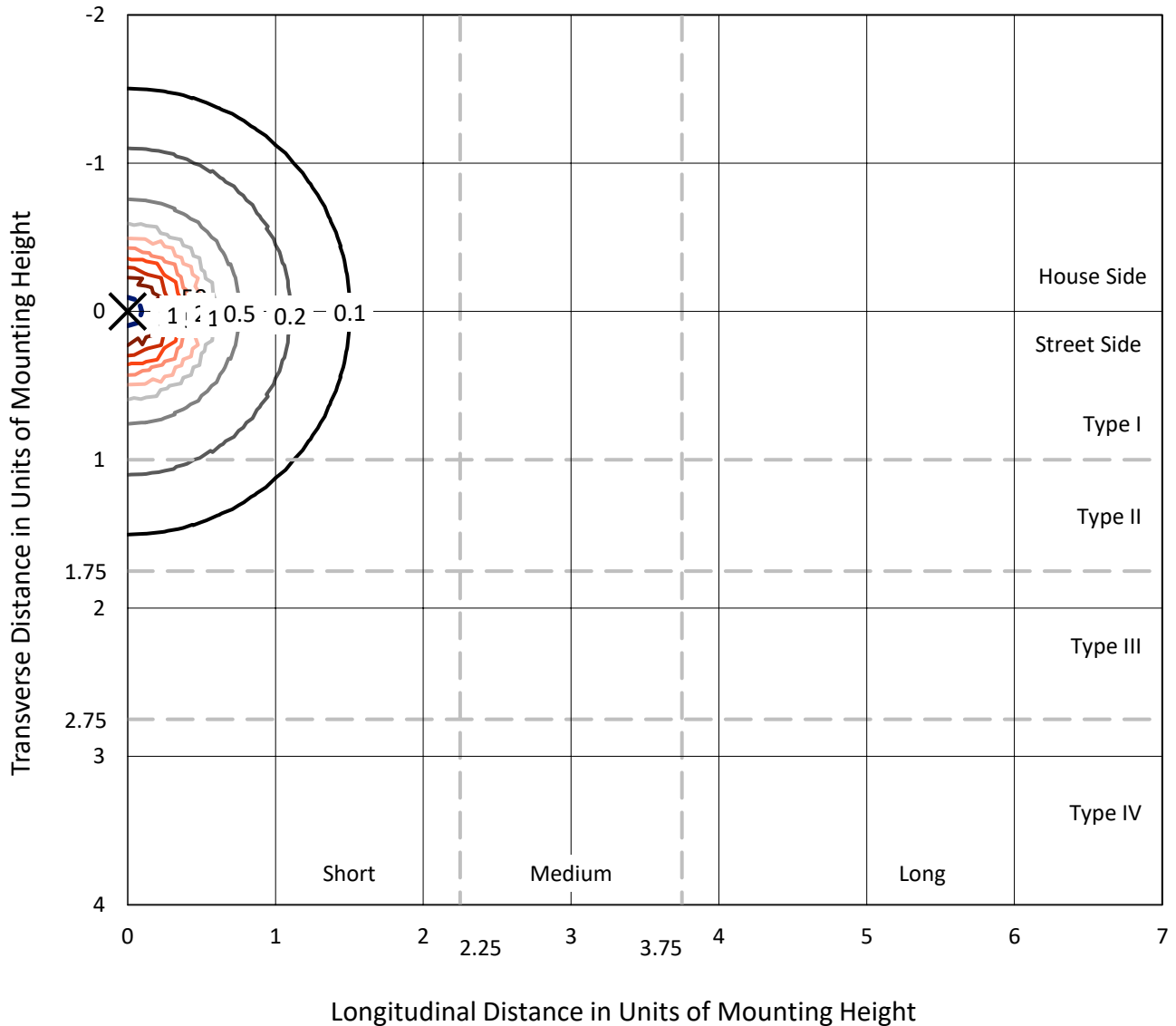
Lumens per Lamp: N/A
Luminaire Lumens: 19914.1 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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

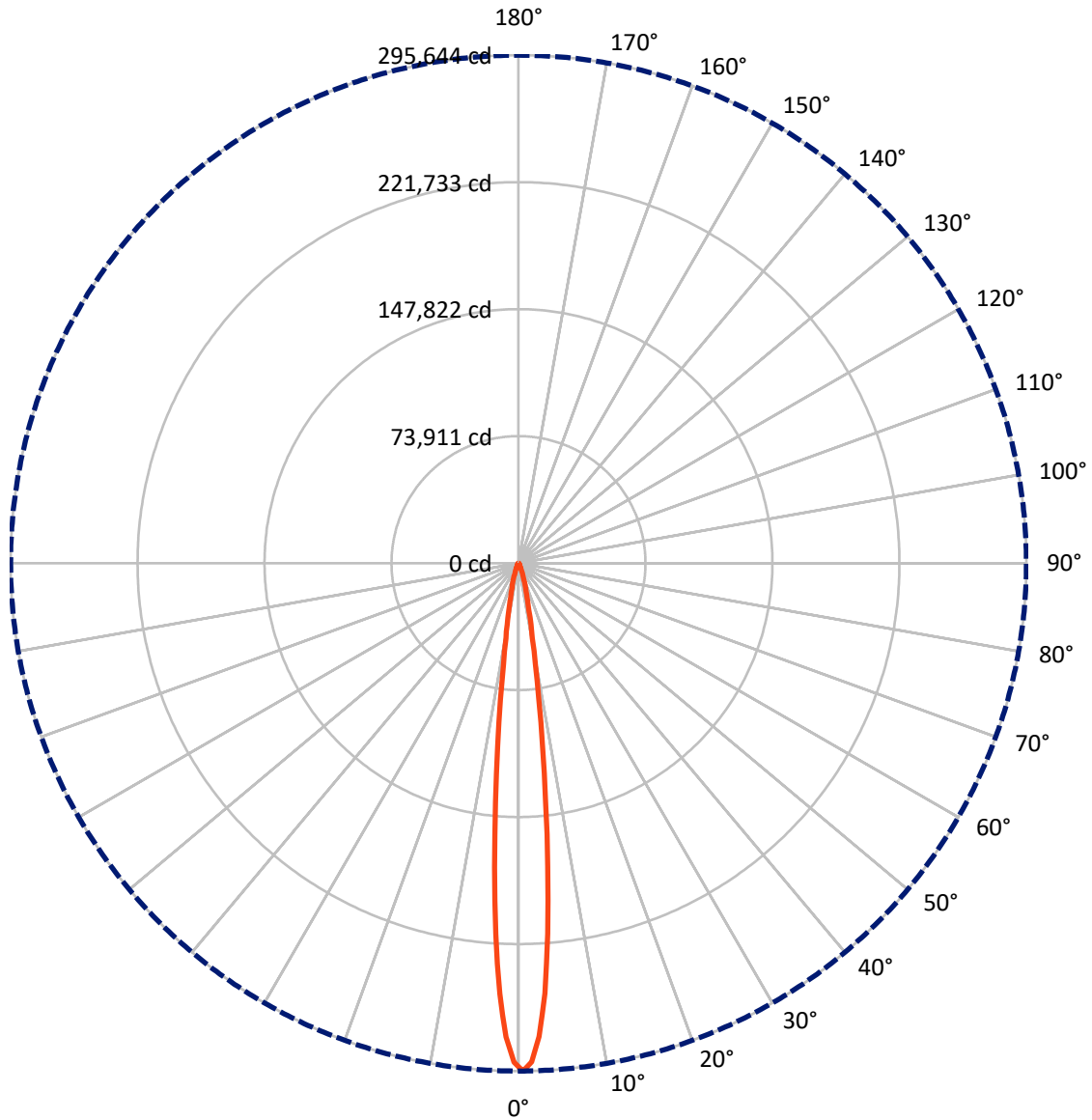
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 473 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	9957.0	0.0	9957.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9957.0	0.0	9957.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19914.1	0.0	19914.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12218.9	61.4
10°-20°	4862.0	24.4
20°-30°	1121.1	5.6
30°-40°	425.6	2.1
40°-50°	347.4	1.7
50°-60°	333.6	1.7
60°-70°	319.6	1.6
70°-80°	211.6	1.1
80°-90°	74.4	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°	19914.1	100.0
0°-180°	19914.1	100.0

Coefficient of Utilization



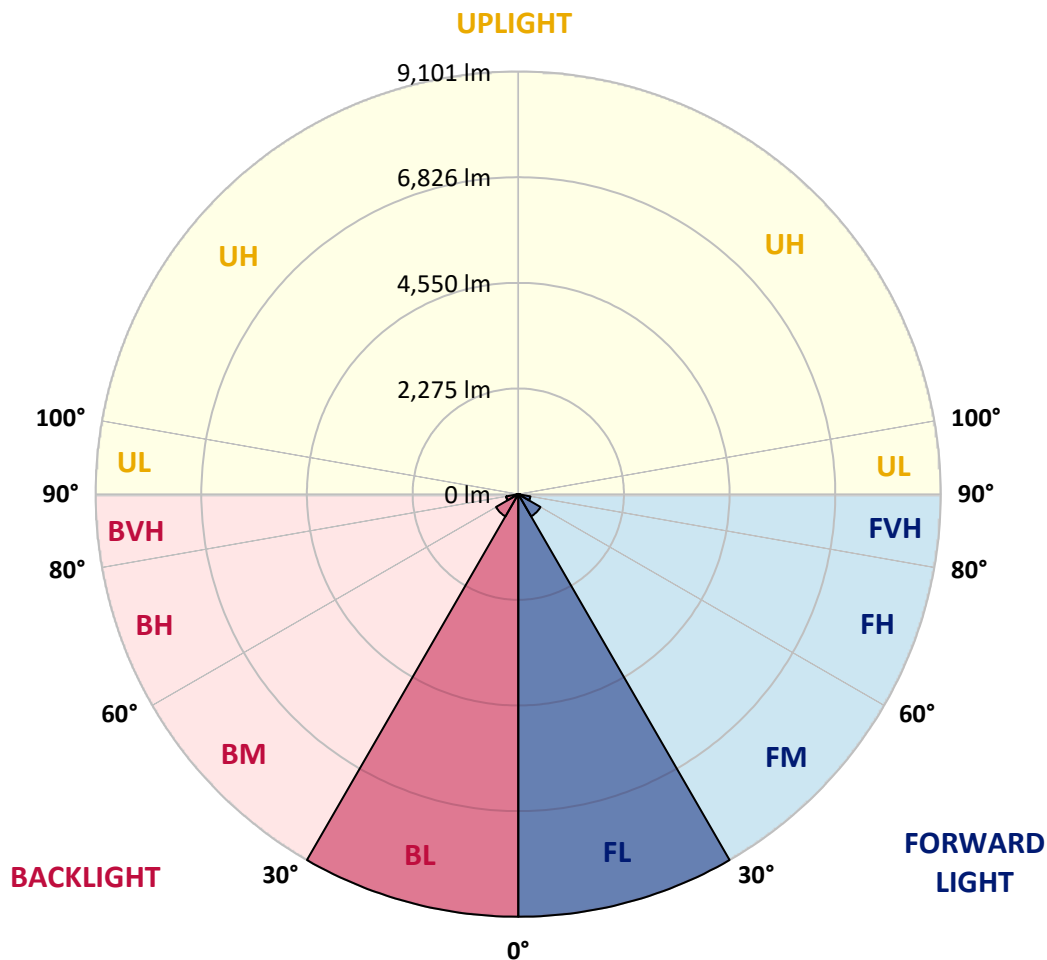
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9101.0	45.7			
FM (30°-60°)	553.3	2.8			
FH (60°-80°)	265.6	1.3			G0/660
FVH (80°-90°)	37.2	0.2			G1/100
BL (0°-30°)	9101.0	45.7	B5		
BM (30°-60°)	553.3	2.8	B1/1000		
BH (60°-80°)	265.6	1.3	B1/500		G0/660
BVH (80°-90°)	37.2	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°	295644.0
1°	290443.2
2°	275875.0
3°	250852.6
4°	216448.2
5°	177655.2
6°	139668.7
7°	106994.0
8°	79856.2
9°	59537.9
10°	44399.9
12.5°	24198.5
15°	15526.5
17.5°	10477.6
20°	6229.3
22.5°	3465.3
25°	1981.0
27.5°	1256.4
30°	905.8
32.5°	739.2
35°	657.4
37.5°	610.7
40°	549.3
42.5°	487.9
45°	435.4
47.5°	409.1
50°	391.5
52.5°	379.8
55°	371.1
57.5°	365.2
60°	353.5
62.5°	344.8
65°	327.2
67.5°	303.9
70°	274.7
72.5°	236.7
75°	198.7
77.5°	163.6
80°	131.5
82.5°	102.3
85°	76.0
87.5°	29.2
90°	0.0

(END OF REPORT)