

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: P525799

Luminaire Tested: **IFLD-S-SA6C-950-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525799
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-950-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

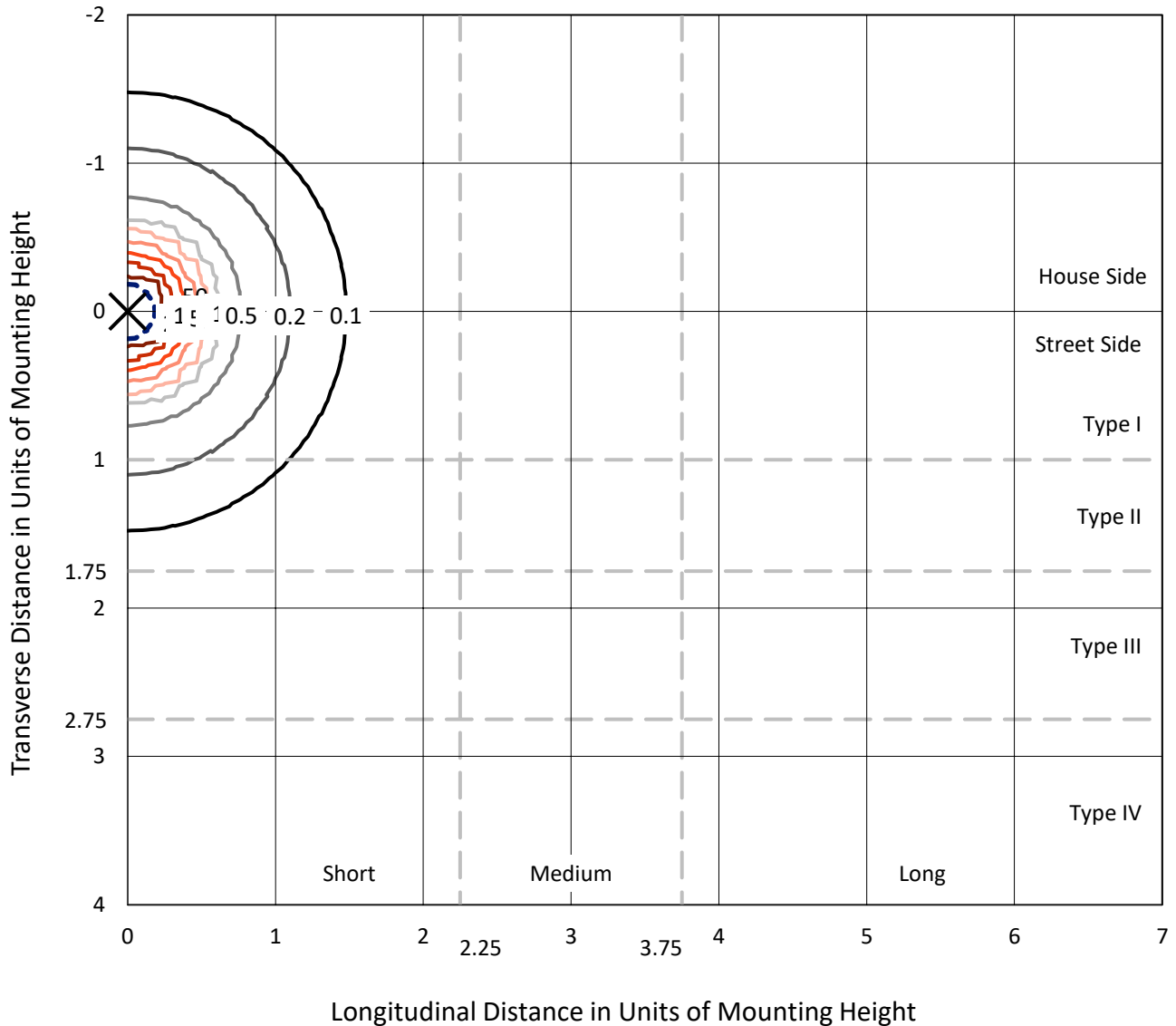
Lumens per Lamp: N/A
Luminaire Lumens: 30563.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

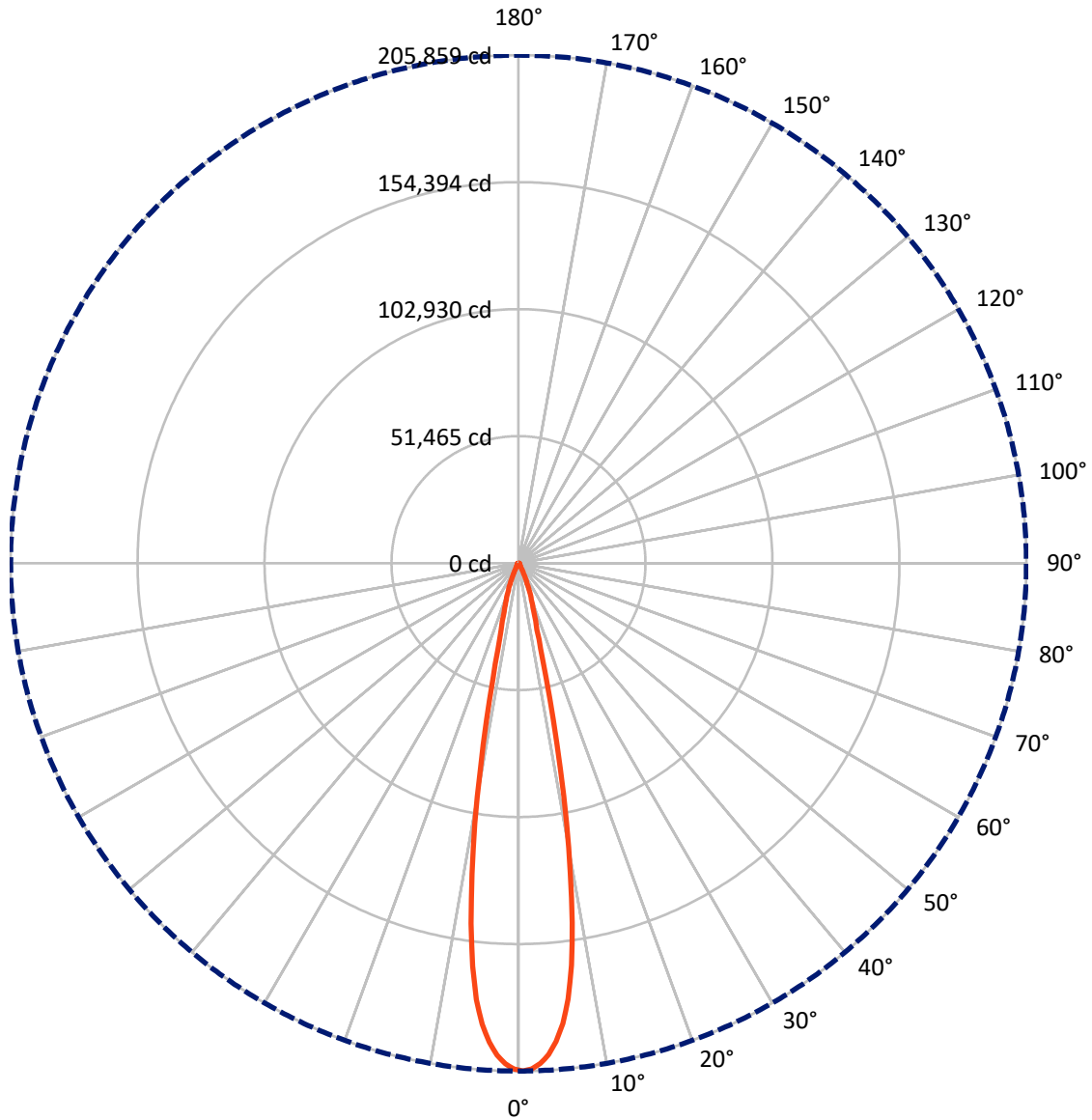
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 228.7 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	15281.8	0.0	15281.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15281.8	0.0	15281.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	30563.6	0.0	30563.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15327.3	50.1
10°-20°	10081.8	33.0
20°-30°	2711.8	8.9
30°-40°	673.8	2.2
40°-50°	502.8	1.6
50°-60°	462.4	1.5
60°-70°	424.1	1.4
70°-80°	274.3	0.9
80°-90°	105.3	0.3
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°	30563.6	100.0
0°-180°	30563.6	100.0

Coefficient of Utilization



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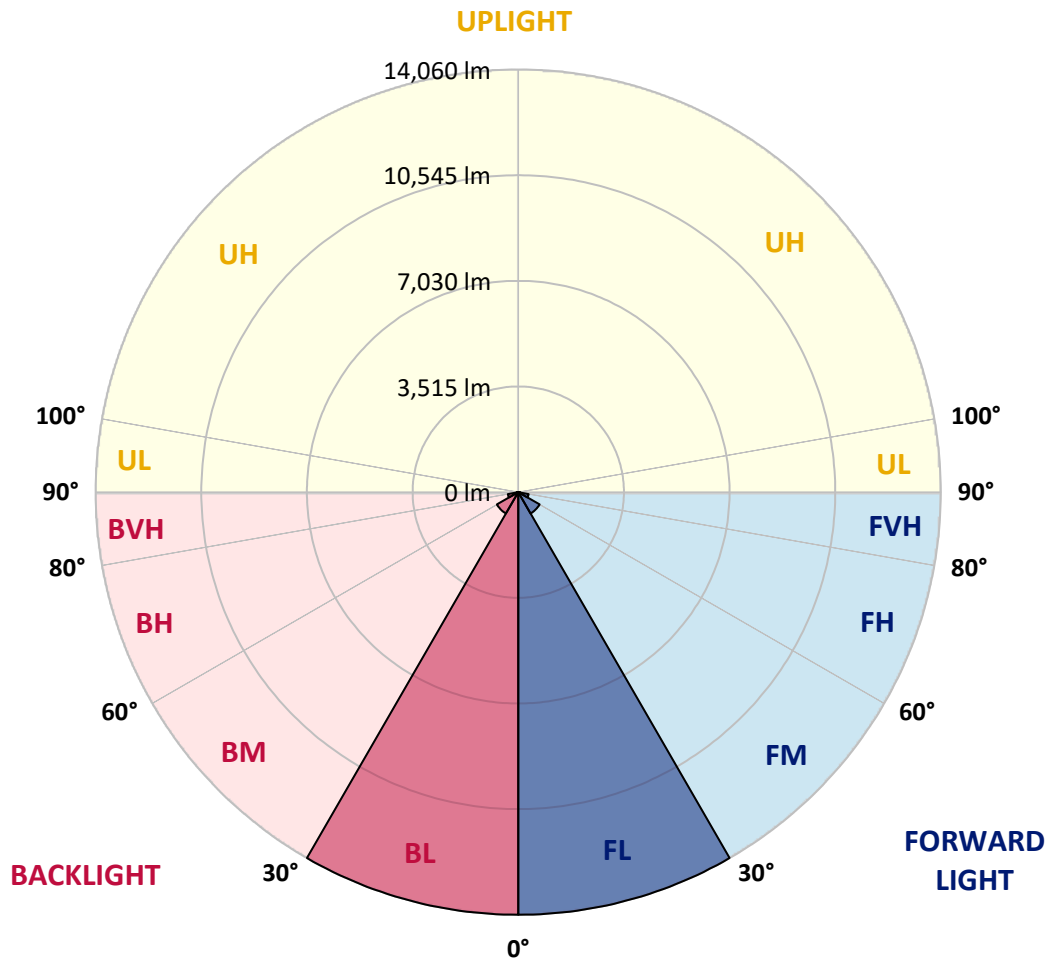
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14060.4	46.0			
FM (30°-60°)	819.5	2.7			
FH (60°-80°)	349.2	1.1			G0/660
FVH (80°-90°)	52.7	0.2			G1/100
BL (0°-30°)	14060.4	46.0	B5		
BM (30°-60°)	819.5	2.7	B1/1000		
BH (60°-80°)	349.2	1.1	B1/500		G0/660
BVH (80°-90°)	52.7	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°	205859.1
1°	205053.5
2°	203023.7
3°	199567.2
4°	194531.0
5°	187519.0
6°	177730.1
7°	164331.7
8°	147341.8
9°	127305.0
10°	106984.6
11°	85156.5
12°	64894.7
13°	47954.3
14°	35888.1
15°	28106.5
17.5°	18839.7
20°	13618.9
22.5°	8978.8
25°	5270.2
27.5°	2956.9
30°	1651.7
32.5°	1206.2
35°	1021.6
37.5°	900.1
40°	792.1
42.5°	711.1
45°	639.1
47.5°	589.6
50°	549.1
52.5°	526.6
55°	513.1
57.5°	504.1
60°	490.6
62.5°	463.6
65°	432.1
67.5°	396.1
70°	351.0
72.5°	301.5
75°	256.5
77.5°	216.0
80°	180.0
82.5°	144.0
85°	108.0
87.5°	45.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)