

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: P525684

Luminaire Tested: **IFLD-S-SA6E-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525684
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

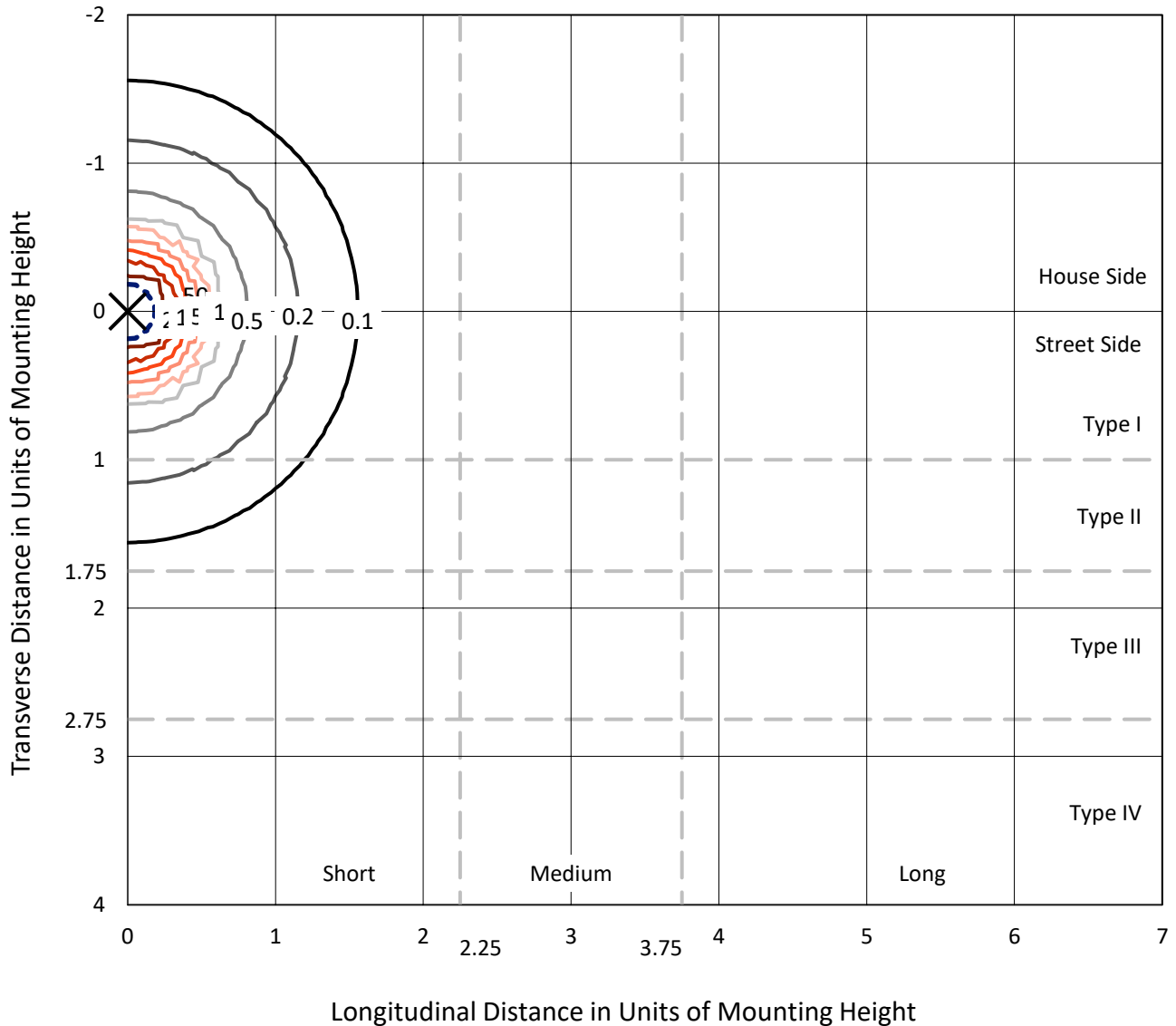
Lumens per Lamp: N/A
Luminaire Lumens: 34471.7 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

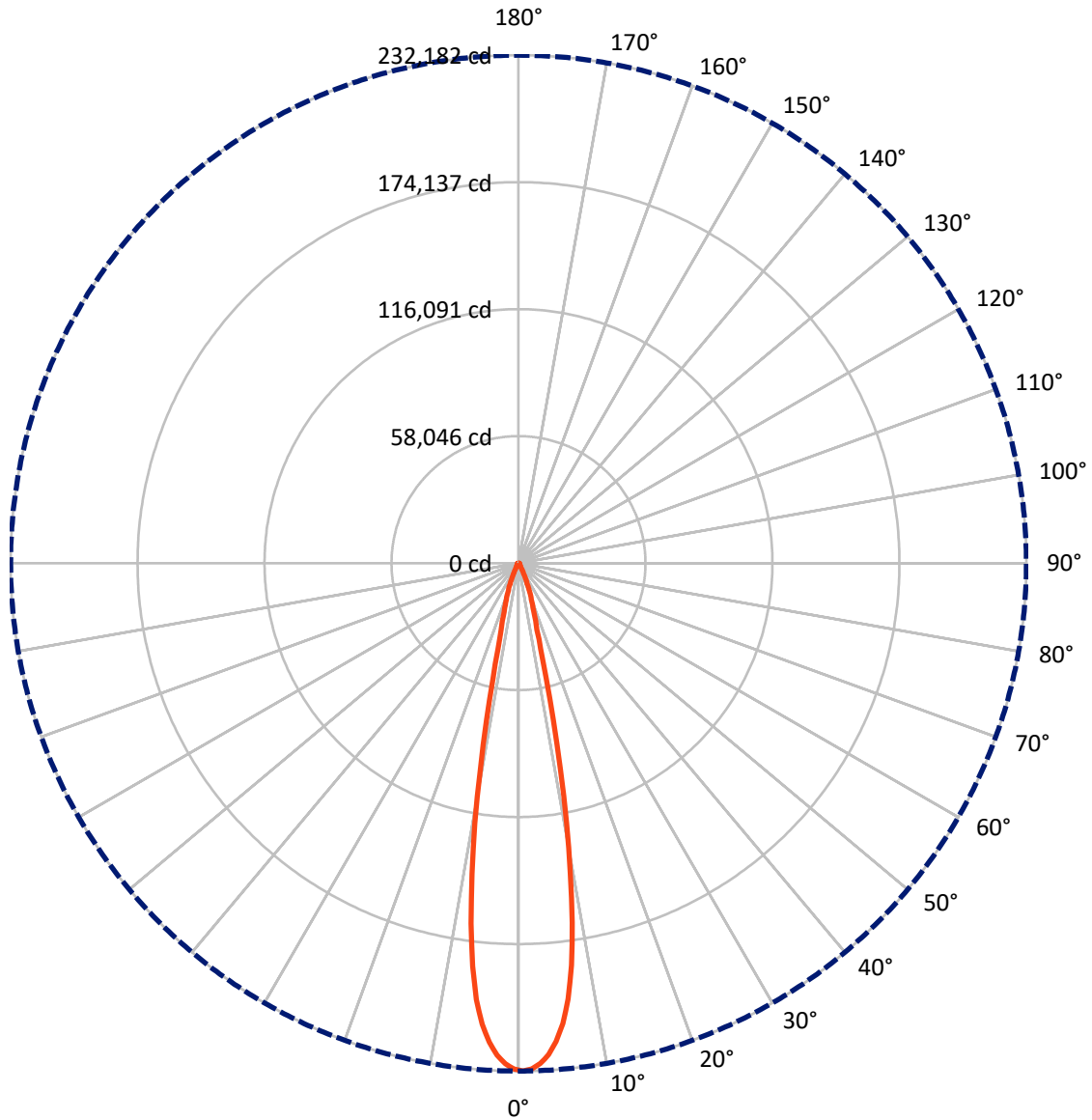
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 258 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	17235.9	0.0	17235.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17235.9	0.0	17235.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	34471.7	0.0	34471.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17287.1	50.1
10°-20°	11371.0	33.0
20°-30°	3058.6	8.9
30°-40°	760.0	2.2
40°-50°	567.1	1.6
50°-60°	521.5	1.5
60°-70°	478.3	1.4
70°-80°	309.4	0.9
80°-90°	118.8	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°	34471.7	100.0
0°-180°	34471.7	100.0

Coefficient of Utilization



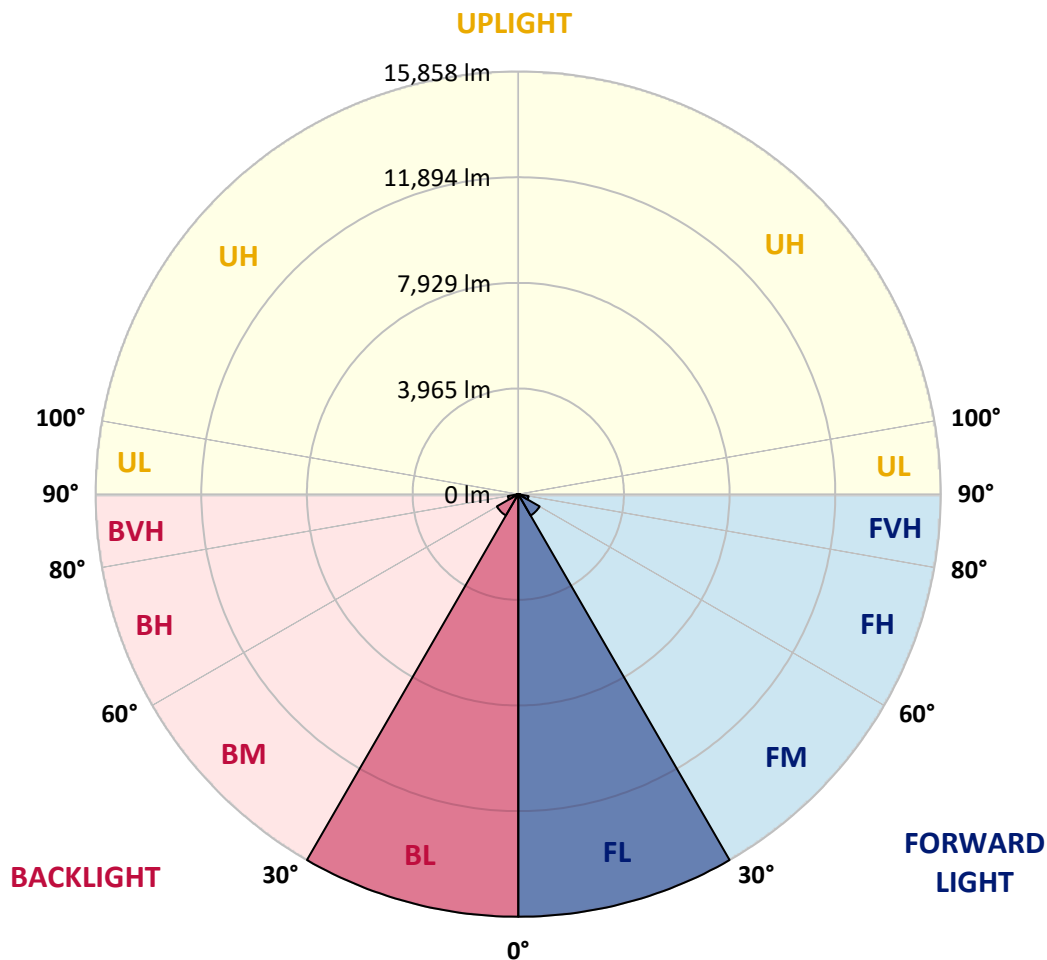
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15858.3	46.0			
FM (30°-60°)	924.3	2.7			
FH (60°-80°)	393.8	1.1			G0/660
FVH (80°-90°)	59.4	0.2			G1/100
BL (0°-30°)	15858.3	46.0	B5		
BM (30°-60°)	924.3	2.7	B1/1000		
BH (60°-80°)	393.8	1.1	B1/500		G0/660
BVH (80°-90°)	59.4	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°	232182.2
1°	231273.6
2°	228984.2
3°	225085.8
4°	219405.6
5°	211497.0
6°	200456.4
7°	185344.7
8°	166182.3
9°	143583.4
10°	120664.7
11°	96045.5
12°	73192.7
13°	54086.2
14°	40477.1
15°	31700.4
17.5°	21248.7
20°	15360.4
22.5°	10126.9
25°	5944.1
27.5°	3335.0
30°	1862.9
32.5°	1360.4
35°	1152.3
37.5°	1015.2
40°	893.4
42.5°	802.0
45°	720.8
47.5°	665.0
50°	619.3
52.5°	593.9
55°	578.7
57.5°	568.5
60°	553.3
62.5°	522.8
65°	487.3
67.5°	446.7
70°	395.9
72.5°	340.1
75°	289.3
77.5°	243.7
80°	203.0
82.5°	162.4
85°	121.8
87.5°	50.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)