

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: P525694

Luminaire Tested: **IFLD-L-SA7E-930-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525694
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

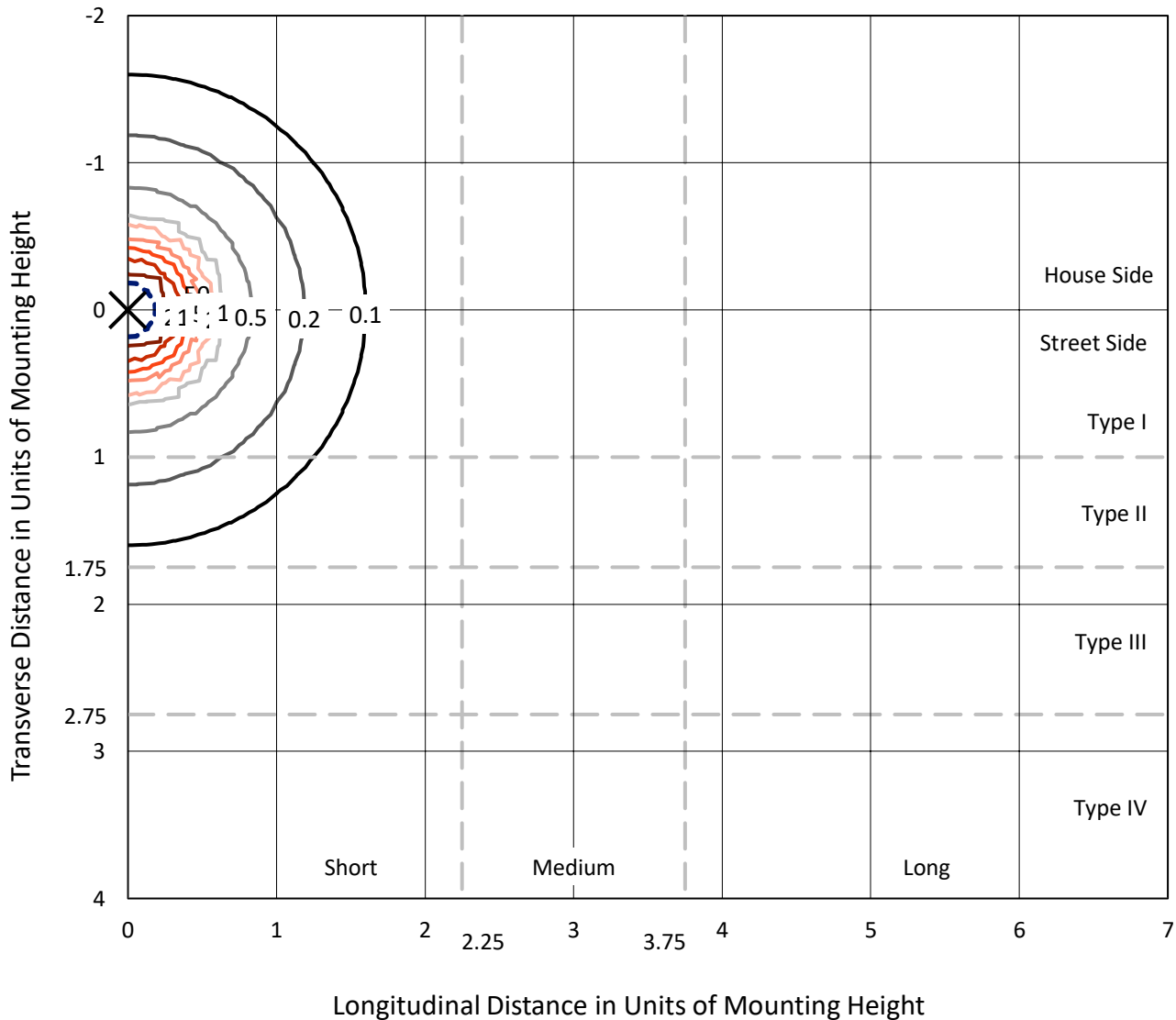
Lumens per Lamp: N/A
Luminaire Lumens: 36777 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

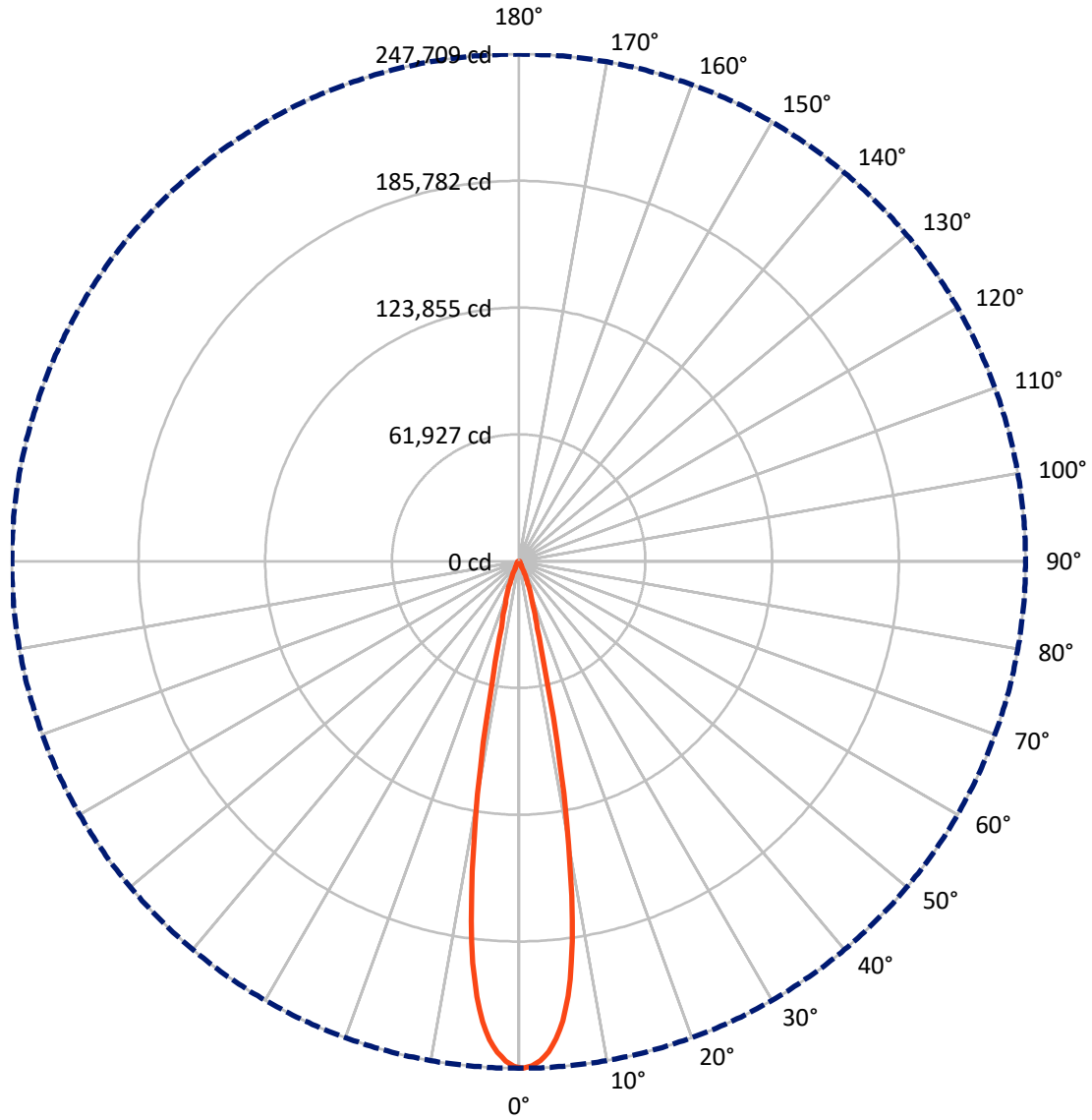
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 275.2 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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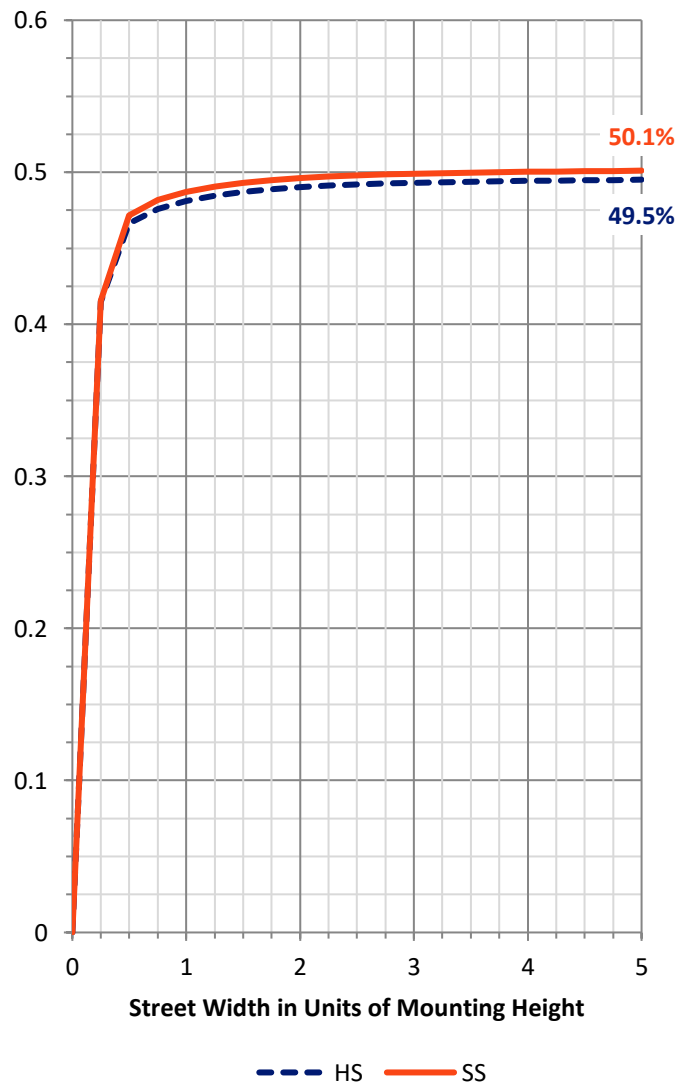
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18388.5	0.0	18388.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18388.5	0.0	18388.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36777.0	0.0	36777.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18443.2	50.1
10°-20°	12131.4	33.0
20°-30°	3263.1	8.9
30°-40°	810.8	2.2
40°-50°	605.0	1.6
50°-60°	556.4	1.5
60°-70°	510.3	1.4
70°-80°	330.0	0.9
80°-90°	126.8	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°	36777.0	100.0
0°-180°	36777.0	100.0

Coefficient of Utilization

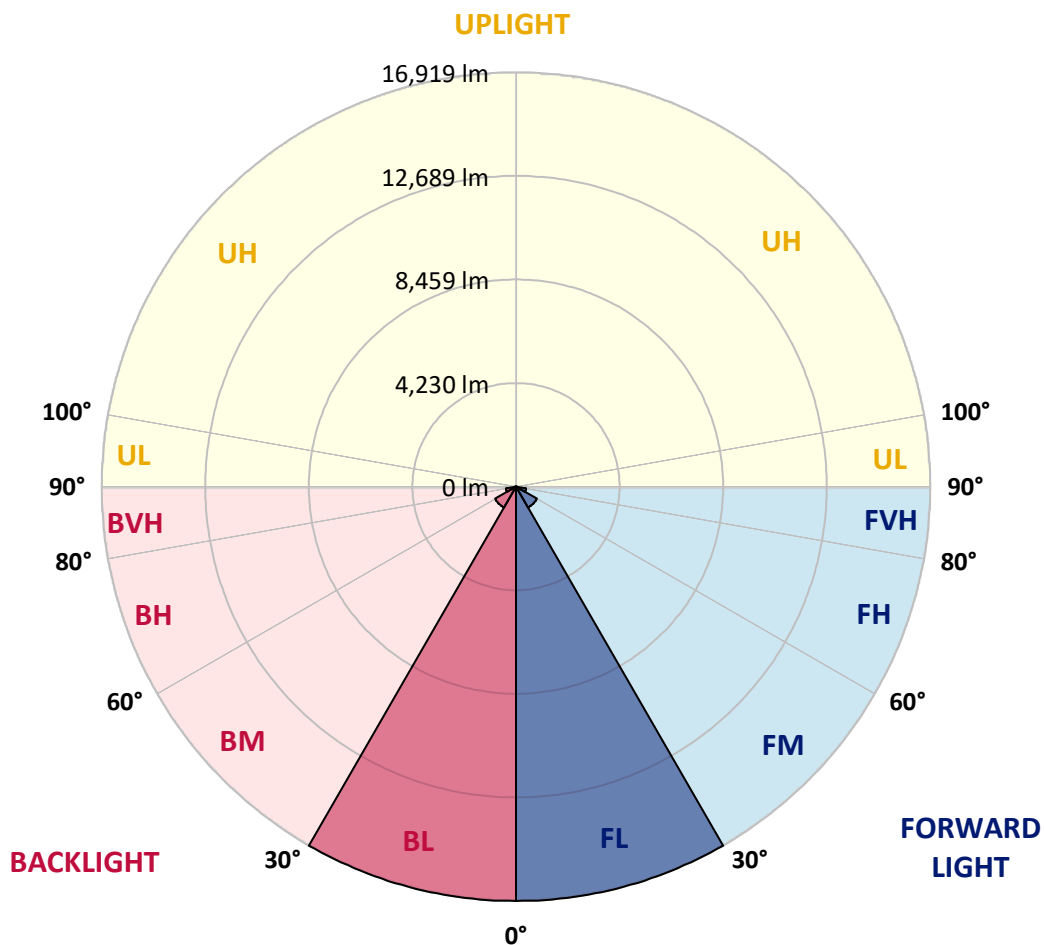


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16918.8	46.0			
FM (30°-60°)	986.1	2.7			
FH (60°-80°)	420.2	1.1			G0/660
FVH (80°-90°)	63.4	0.2			G1/100
BL (0°-30°)	16918.8	46.0	B5		
BM (30°-60°)	986.1	2.7	B1/1000		
BH (60°-80°)	420.2	1.1	B1/500		G0/660
BVH (80°-90°)	63.4	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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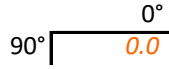
CANDELA DISTRIBUTION (FULL):

	0°
0°	247709.0
1°	246739.6
2°	244297.1
3°	240138.0
4°	234077.9
5°	225640.4
6°	213861.5
7°	197739.3
8°	177295.5
9°	153185.3
10°	128733.9
11°	102468.3
12°	78087.4
13°	57703.1
14°	43183.9
15°	33820.3
17.5°	22669.6
20°	16387.6
22.5°	10804.1
25°	6341.7
27.5°	3558.0
30°	1987.5
32.5°	1451.4
35°	1229.3
37.5°	1083.1
40°	953.1
42.5°	855.7
45°	769.0
47.5°	709.4
50°	660.7
52.5°	633.6
55°	617.4
57.5°	606.5
60°	590.3
62.5°	557.8
65°	519.9
67.5°	476.6
70°	422.4
72.5°	362.8
75°	308.7
77.5°	259.9
80°	216.6
82.5°	173.3
85°	130.0
87.5°	54.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)