

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: P525683

Luminaire Tested: **IFLD-S-SA6D-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525683
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

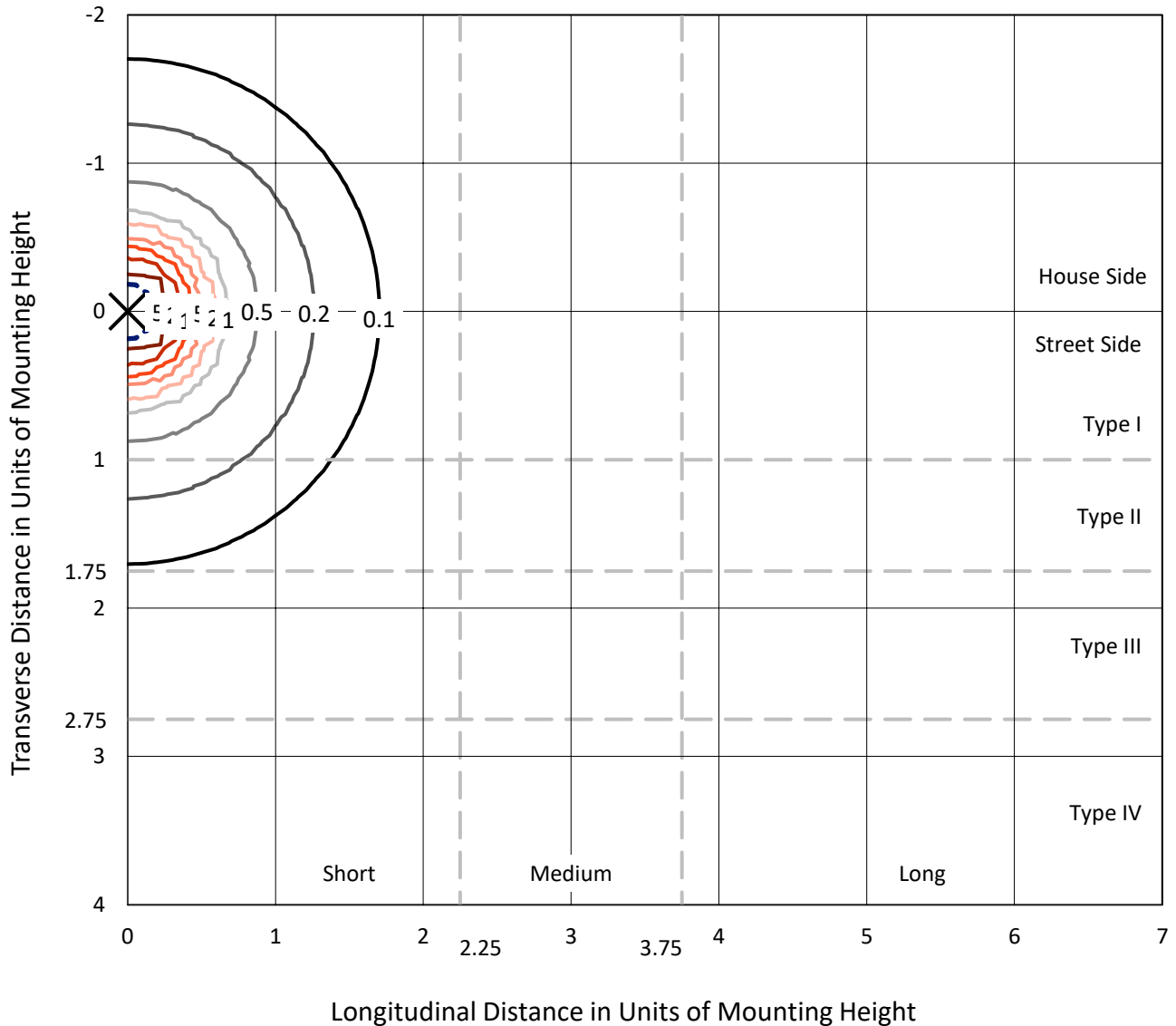
Lumens per Lamp: N/A
Luminaire Lumens: 29786.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2
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

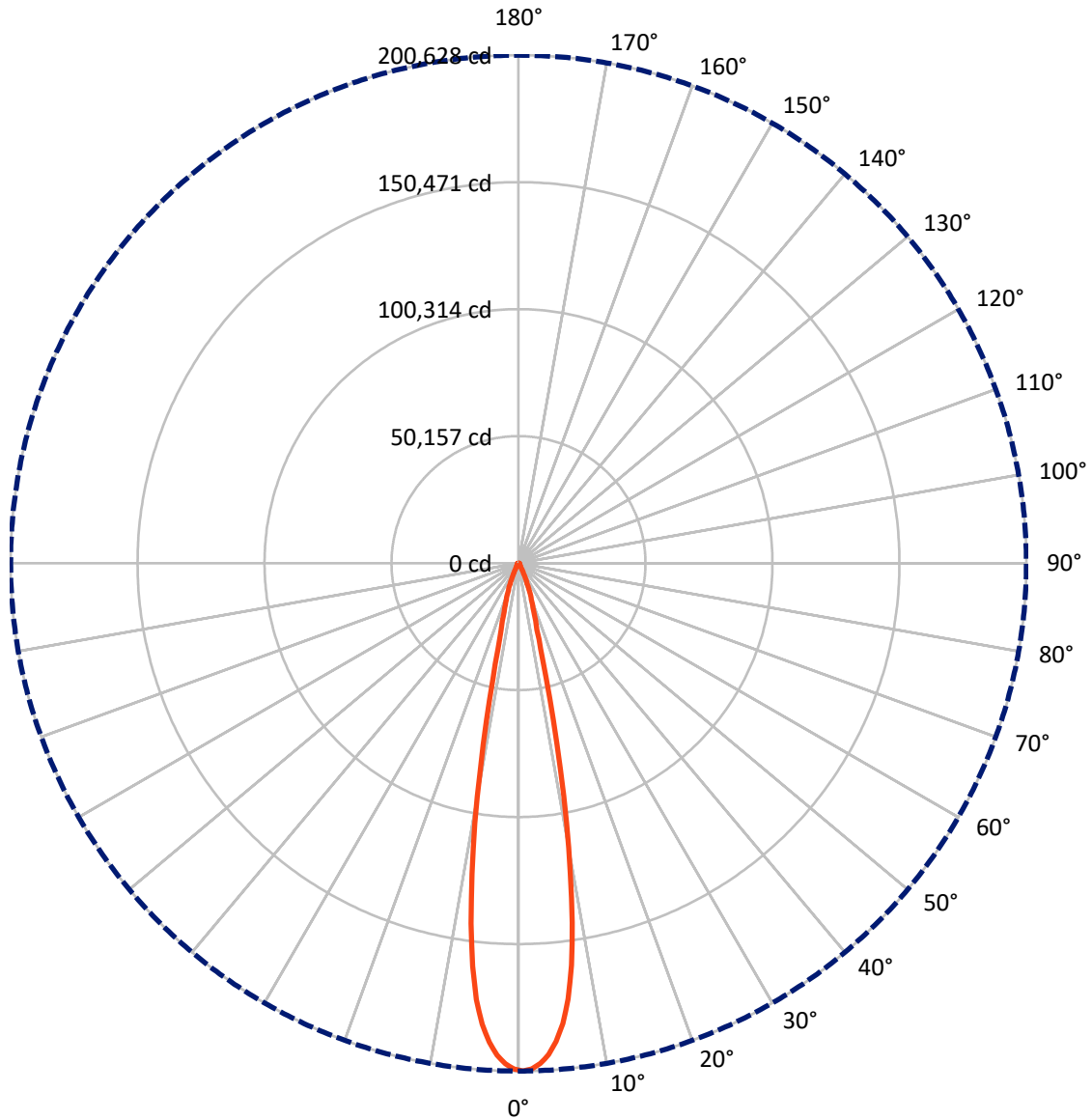
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 321 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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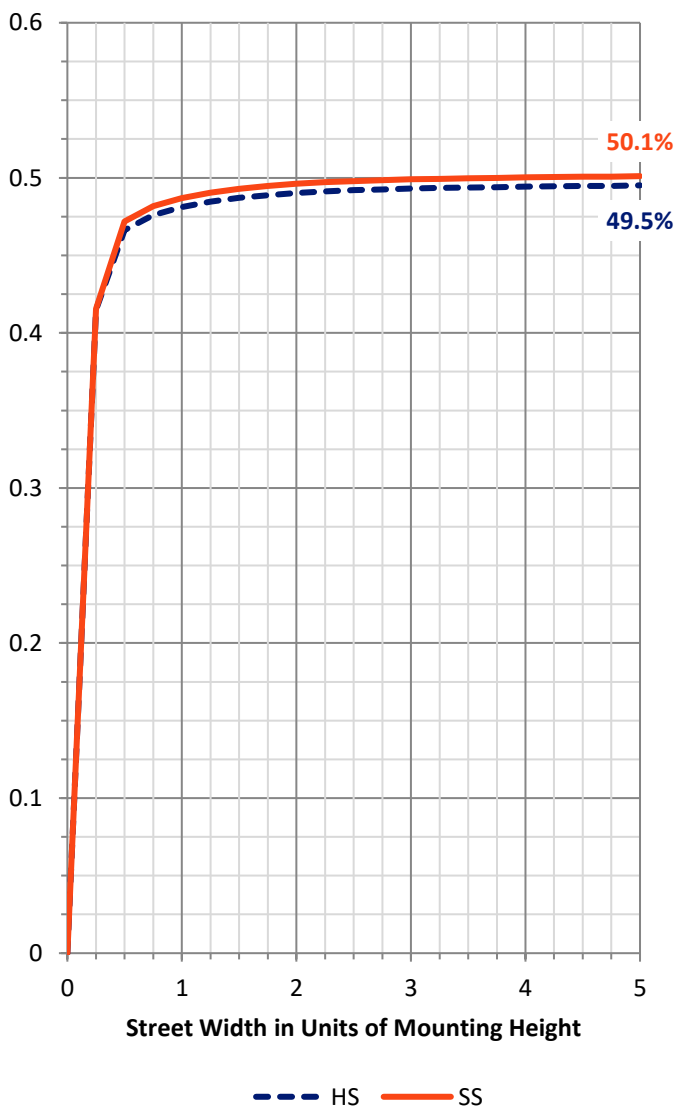
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14893.5	0.0	14893.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14893.5	0.0	14893.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29786.9	0.0	29786.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14937.7	50.1
10°-20°	9825.6	33.0
20°-30°	2642.9	8.9
30°-40°	656.7	2.2
40°-50°	490.0	1.6
50°-60°	450.6	1.5
60°-70°	413.3	1.4
70°-80°	267.3	0.9
80°-90°	102.7	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°	29786.9	100.0
0°-180°	29786.9	100.0



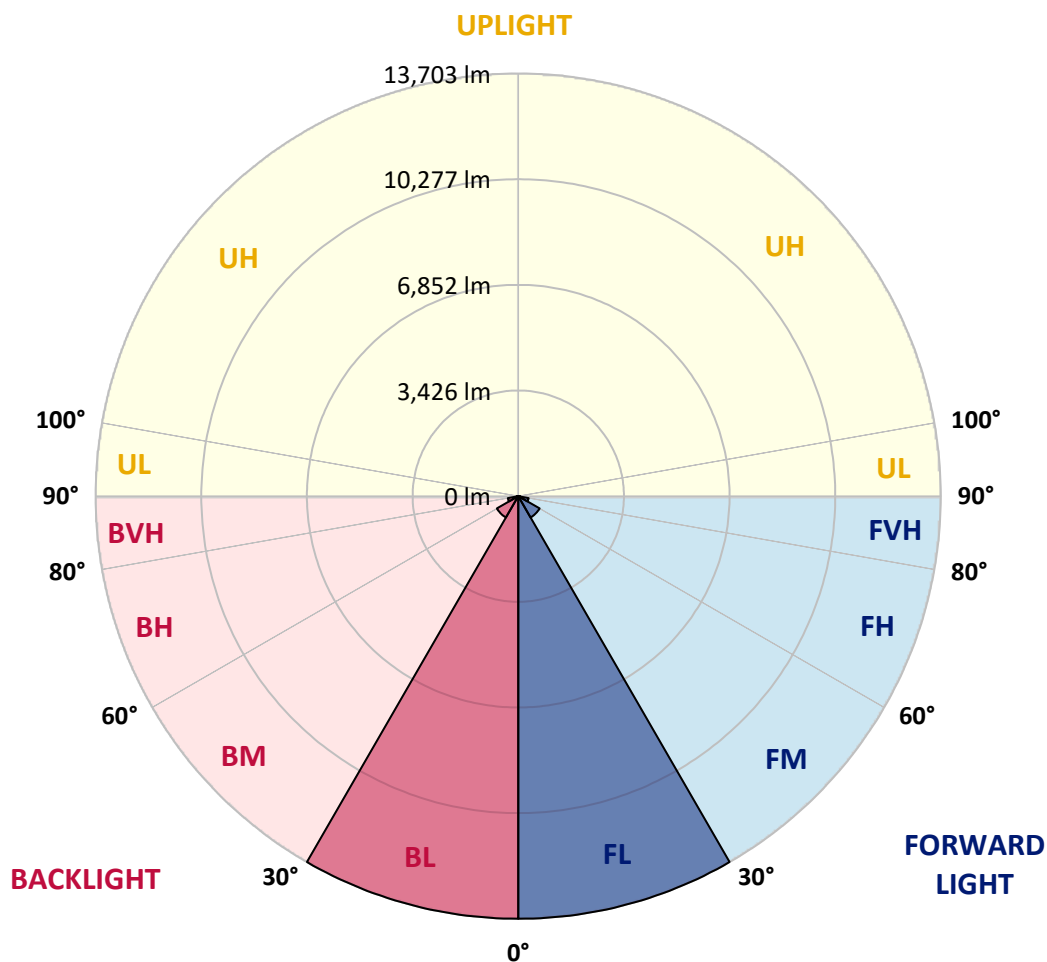
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13703.1	46.0			
FM (30°-60°)	798.7	2.7			
FH (60°-80°)	340.3	1.1			G0/660
FVH (80°-90°)	51.3	0.2			G1/100
BL (0°-30°)	13703.1	46.0	B5		
BM (30°-60°)	798.7	2.7	B1/1000		
BH (60°-80°)	340.3	1.1	B1/500		G0/660
BVH (80°-90°)	51.3	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°	200627.5
1°	199842.3
2°	197864.1
3°	194495.5
4°	189587.3
5°	182753.5
6°	173213.4
7°	160155.5
8°	143597.3
9°	124069.7
10°	104265.8
11°	82992.4
12°	63245.5
13°	46735.6
14°	34976.0
15°	27392.2
17.5°	18360.9
20°	13272.8
22.5°	8750.6
25°	5136.3
27.5°	2881.8
30°	1609.8
32.5°	1175.5
35°	995.7
37.5°	877.3
40°	772.0
42.5°	693.0
45°	622.8
47.5°	574.6
50°	535.1
52.5°	513.2
55°	500.0
57.5°	491.3
60°	478.1
62.5°	451.8
65°	421.1
67.5°	386.0
70°	342.1
72.5°	293.9
75°	250.0
77.5°	210.5
80°	175.5
82.5°	140.4
85°	105.3
87.5°	43.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)