

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: P525737

Luminaire Tested: **IFLD-L-SA8D-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525737
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

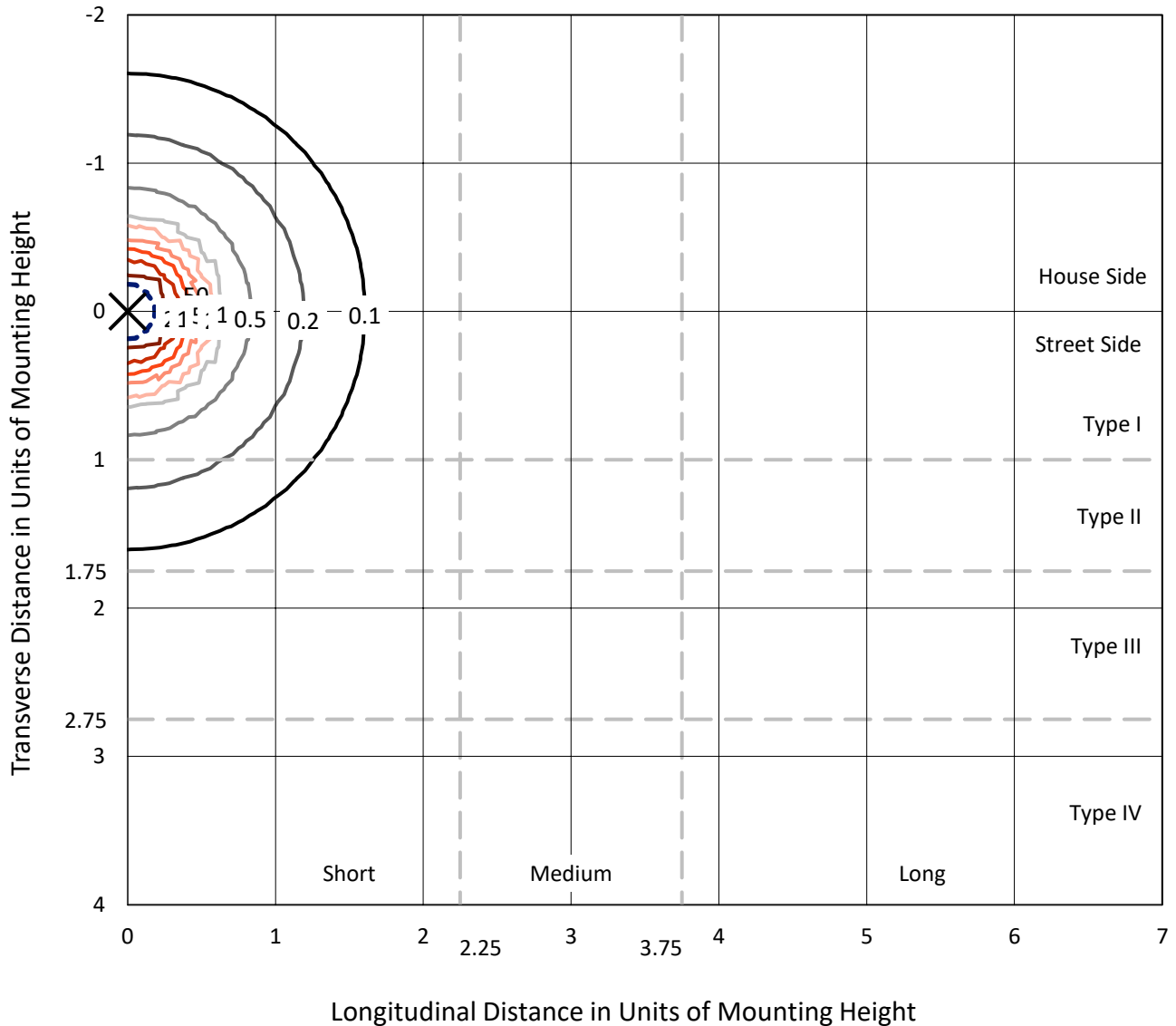
Lumens per Lamp: N/A
Luminaire Lumens: 37065 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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

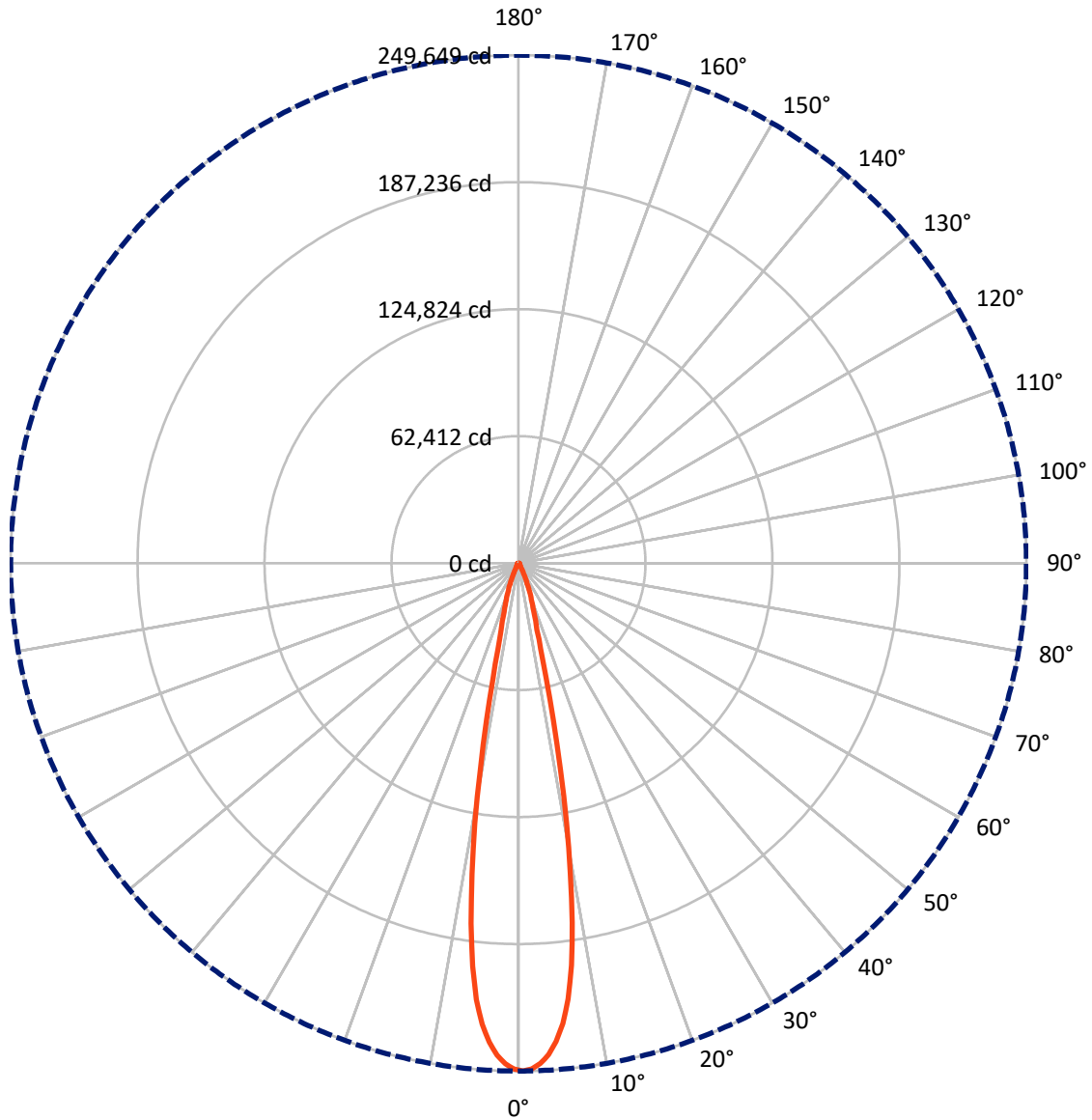
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 277.4 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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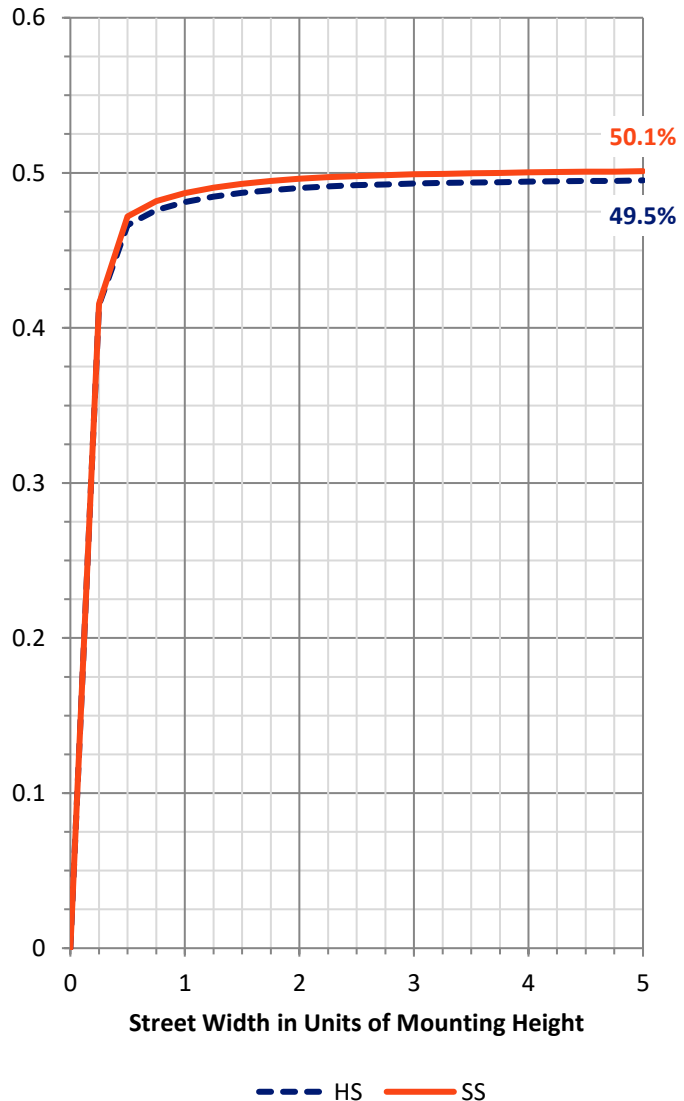
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18532.5	0.0	18532.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18532.5	0.0	18532.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37065.0	0.0	37065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18587.6	50.1
10°-20°	12226.4	33.0
20°-30°	3288.6	8.9
30°-40°	817.1	2.2
40°-50°	609.8	1.6
50°-60°	560.7	1.5
60°-70°	514.3	1.4
70°-80°	332.6	0.9
80°-90°	127.8	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°	37065.0	100.0
0°-180°	37065.0	100.0

Coefficient of Utilization



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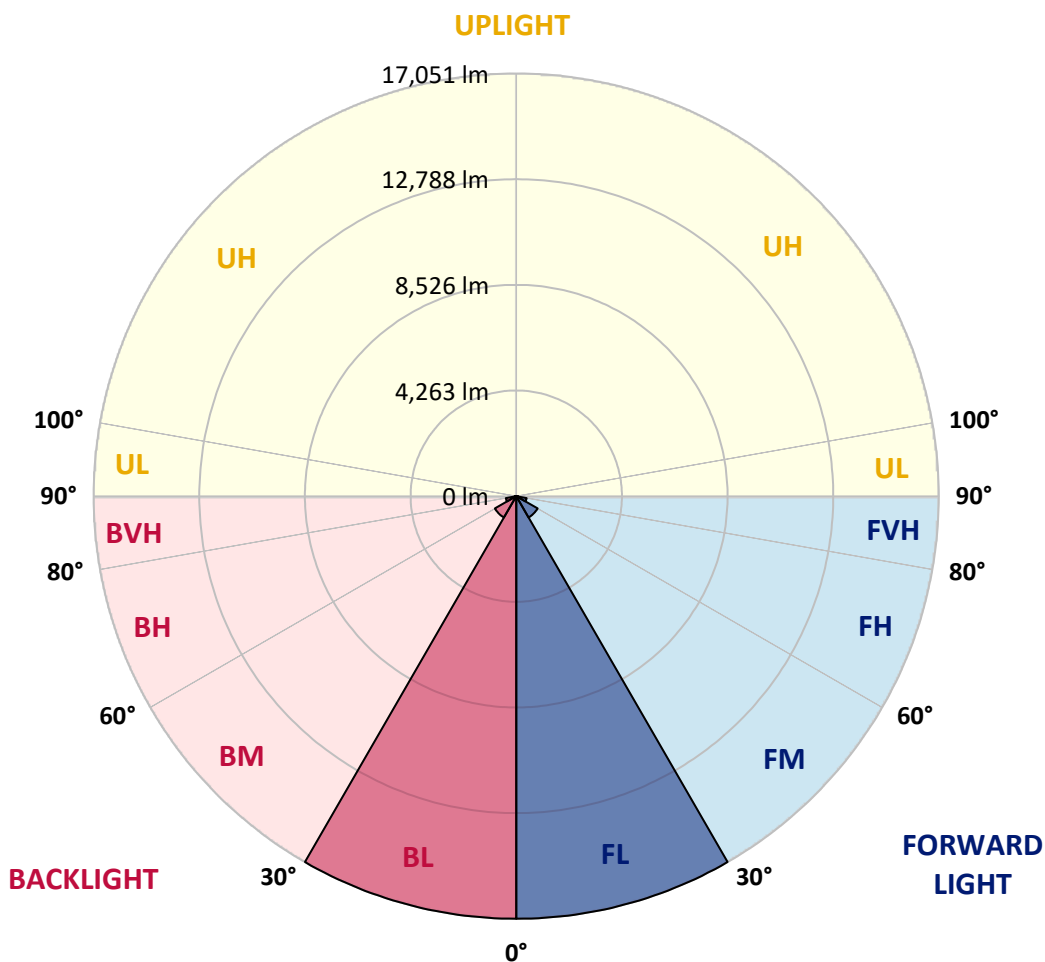
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17051.3	46.0			
FM (30°-60°)	993.8	2.7			
FH (60°-80°)	423.5	1.1			G0/660
FVH (80°-90°)	63.9	0.2			G1/100
BL (0°-30°)	17051.3	46.0	B5		
BM (30°-60°)	993.8	2.7	B1/1000		
BH (60°-80°)	423.5	1.1	B1/500		G0/660
BVH (80°-90°)	63.9	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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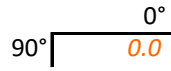
CANDELA DISTRIBUTION (FULL):

	0°
0°	249648.6
1°	248671.6
2°	246210.1
3°	242018.3
4°	235910.8
5°	227407.3
6°	215536.1
7°	199287.7
8°	178683.8
9°	154384.8
10°	129742.0
11°	103270.7
12°	78698.8
13°	58154.9
14°	43522.0
15°	34085.2
17.5°	22847.2
20°	16515.9
22.5°	10888.7
25°	6391.3
27.5°	3585.9
30°	2003.1
32.5°	1462.7
35°	1239.0
37.5°	1091.6
40°	960.6
42.5°	862.4
45°	775.0
47.5°	715.0
50°	665.9
52.5°	638.6
55°	622.2
57.5°	611.3
60°	594.9
62.5°	562.2
65°	524.0
67.5°	480.3
70°	425.7
72.5°	365.7
75°	311.1
77.5°	262.0
80°	218.3
82.5°	174.7
85°	131.0
87.5°	54.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)