

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: P525723

Luminaire Tested: **IFLD-S-SA6E-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525723
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

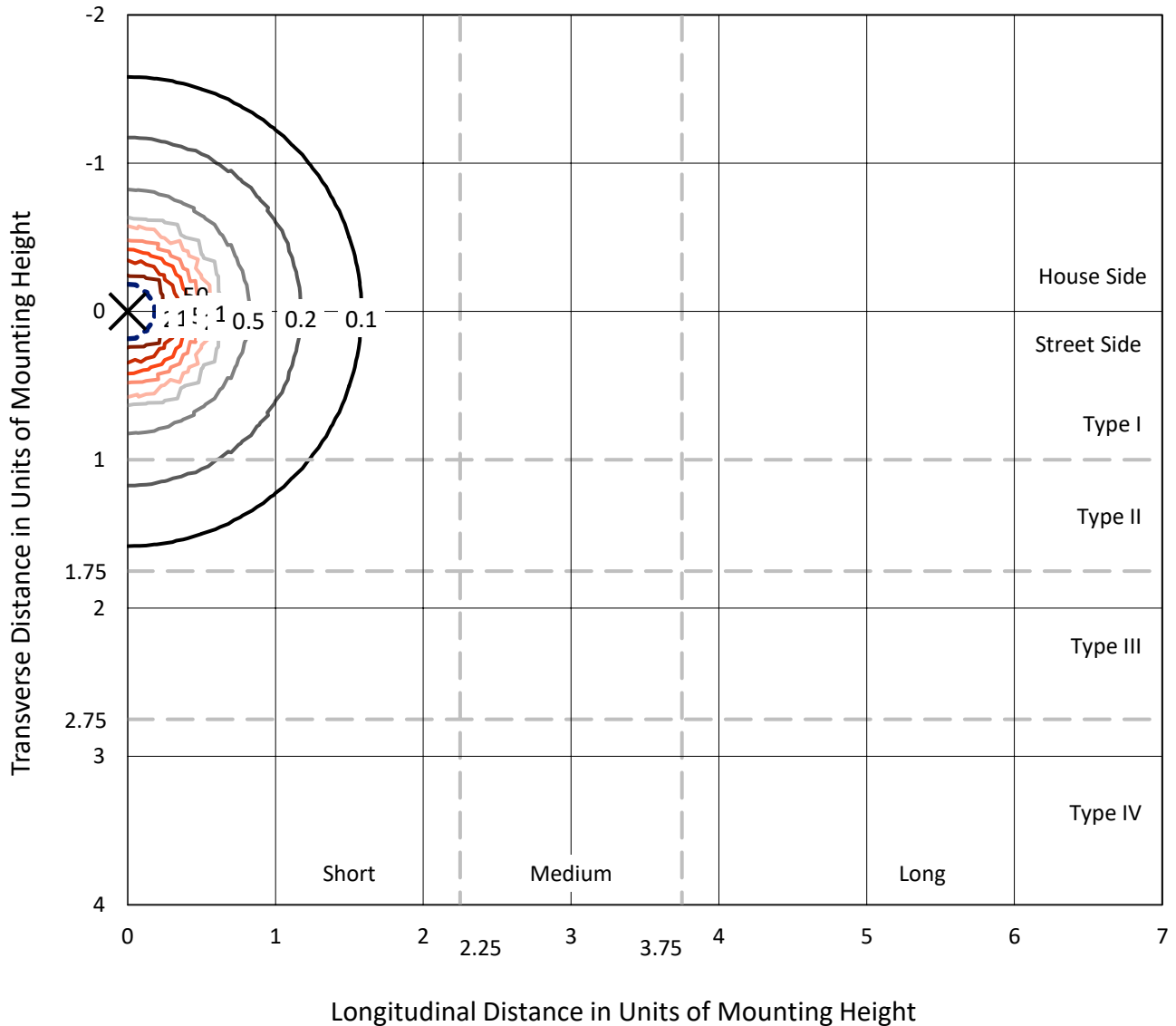
Lumens per Lamp: N/A
Luminaire Lumens: 35763.9 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

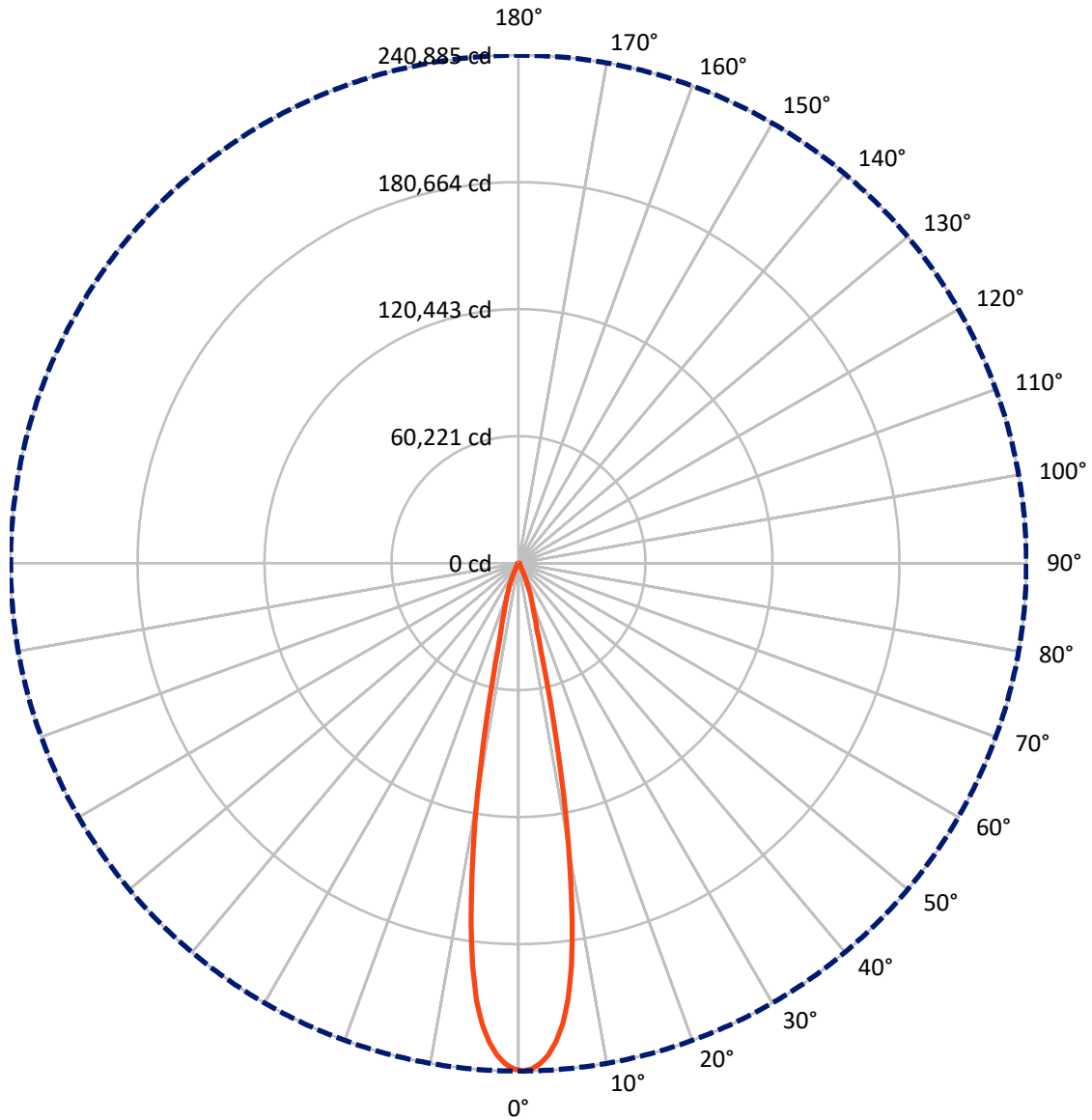
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 267.7 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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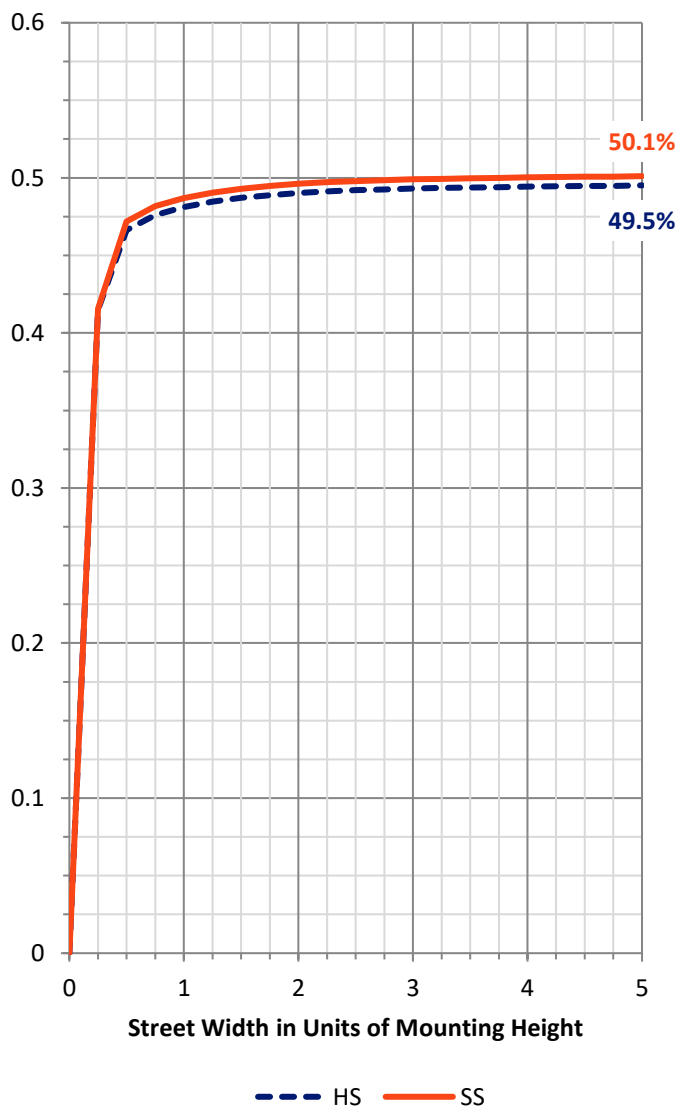
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17882.0	0.0	17882.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17882.0	0.0	17882.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35763.9	0.0	35763.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17935.1	50.1
10°-20°	11797.2	33.0
20°-30°	3173.2	8.9
30°-40°	788.5	2.2
40°-50°	588.4	1.6
50°-60°	541.0	1.5
60°-70°	496.2	1.4
70°-80°	321.0	0.9
80°-90°	123.3	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°	35763.9	100.0
0°-180°	35763.9	100.0

Coefficient of Utilization



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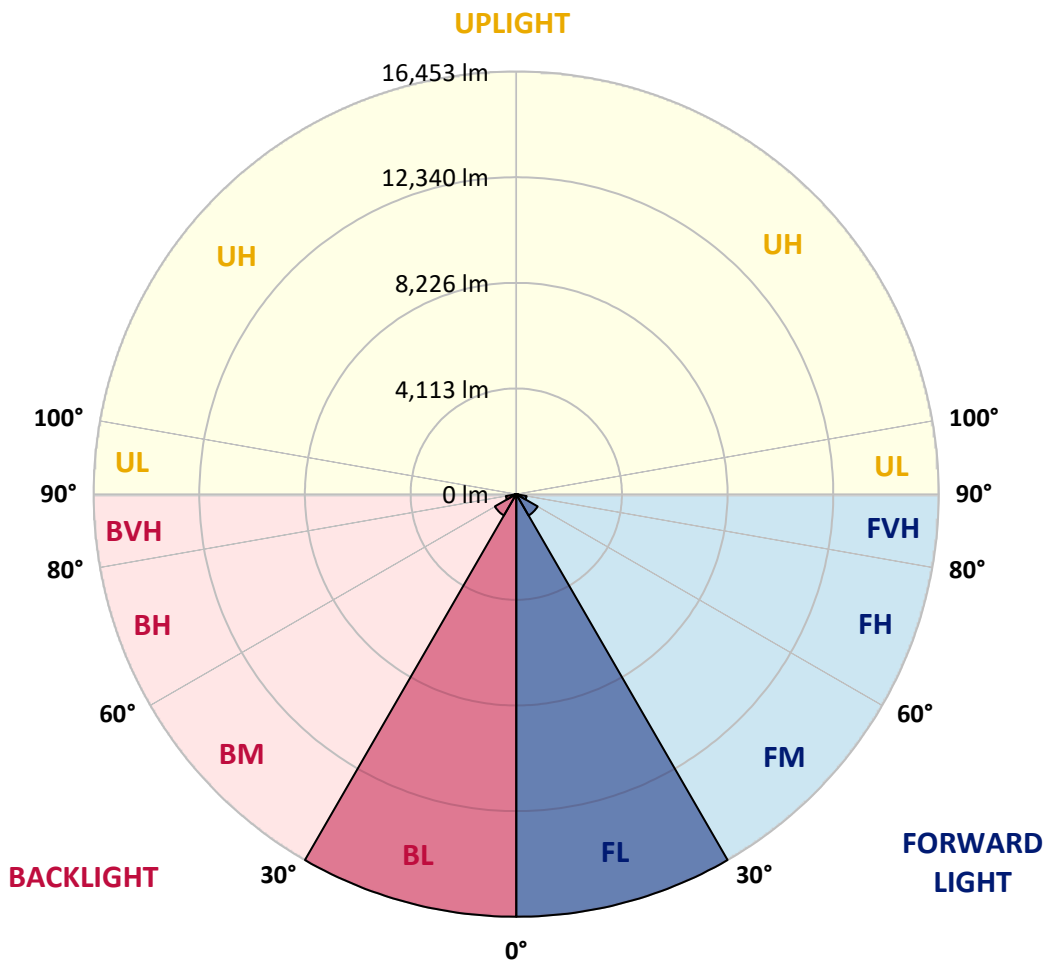
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16452.8	46.0			
FM (30°-60°)	958.9	2.7			
FH (60°-80°)	408.6	1.1			G0/660
FVH (80°-90°)	61.6	0.2			G1/100
BL (0°-30°)	16452.8	46.0	B5		
BM (30°-60°)	958.9	2.7	B1/1000		
BH (60°-80°)	408.6	1.1	B1/500		G0/660
BVH (80°-90°)	61.6	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°	240885.4
1°	239942.7
2°	237567.6
3°	233523.0
4°	227629.9
5°	219424.8
6°	207970.4
7°	192292.3
8°	172411.6
9°	148965.6
10°	125187.7
11°	99645.7
12°	75936.3
13°	56113.6
14°	41994.3
15°	32888.7
17.5°	22045.2
20°	15936.1
22.5°	10506.5
25°	6167.0
27.5°	3460.0
30°	1932.8
32.5°	1411.4
35°	1195.5
37.5°	1053.3
40°	926.9
42.5°	832.1
45°	747.8
47.5°	689.9
50°	642.5
52.5°	616.2
55°	600.4
57.5°	589.8
60°	574.0
62.5°	542.4
65°	505.6
67.5°	463.4
70°	410.8
72.5°	352.8
75°	300.2
77.5°	252.8
80°	210.7
82.5°	168.5
85°	126.4
87.5°	52.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)