

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: P525762

Luminaire Tested: **IFLD-S-SA6E-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525762
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

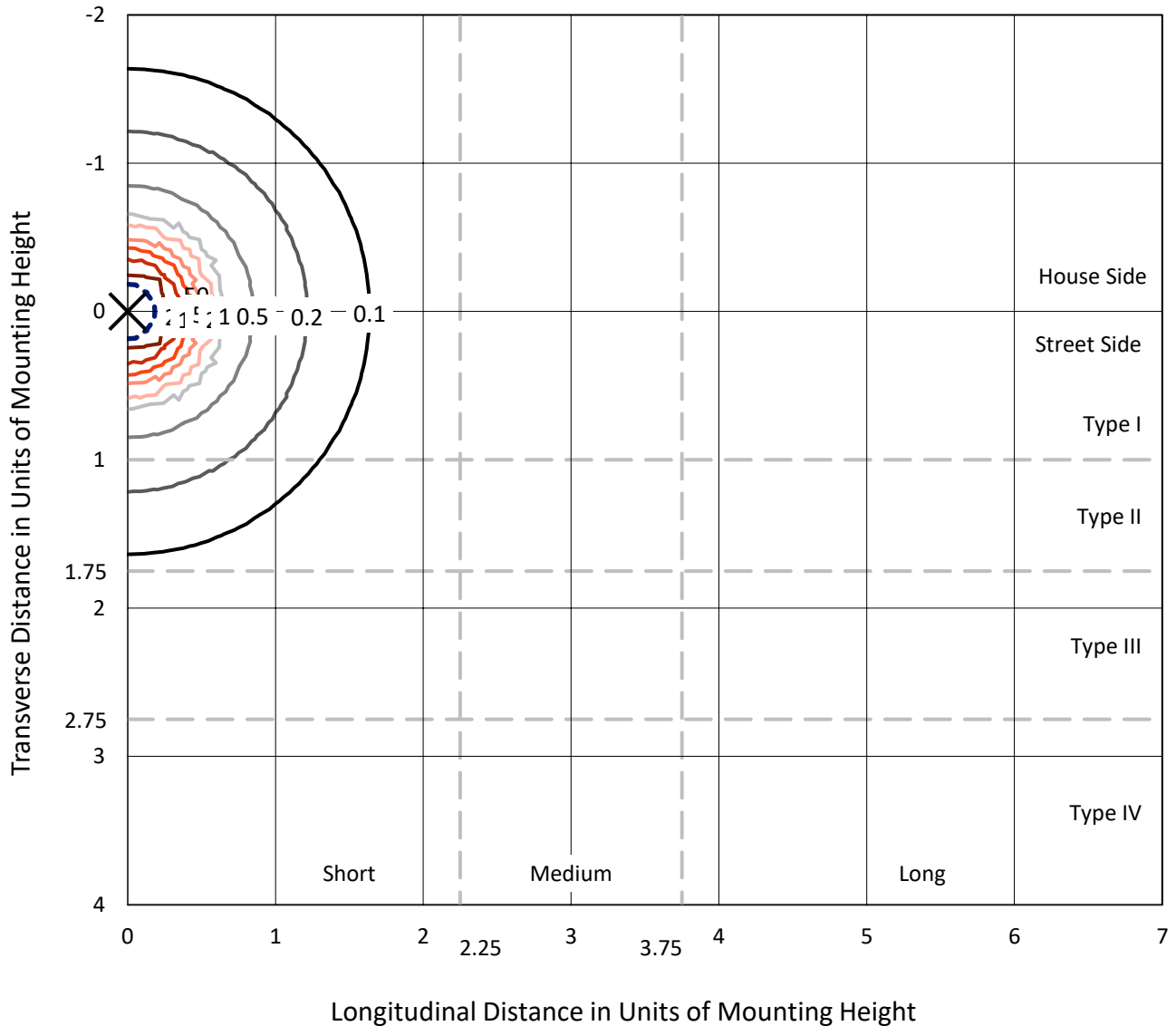
Lumens per Lamp: N/A
Luminaire Lumens: 38920.3 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

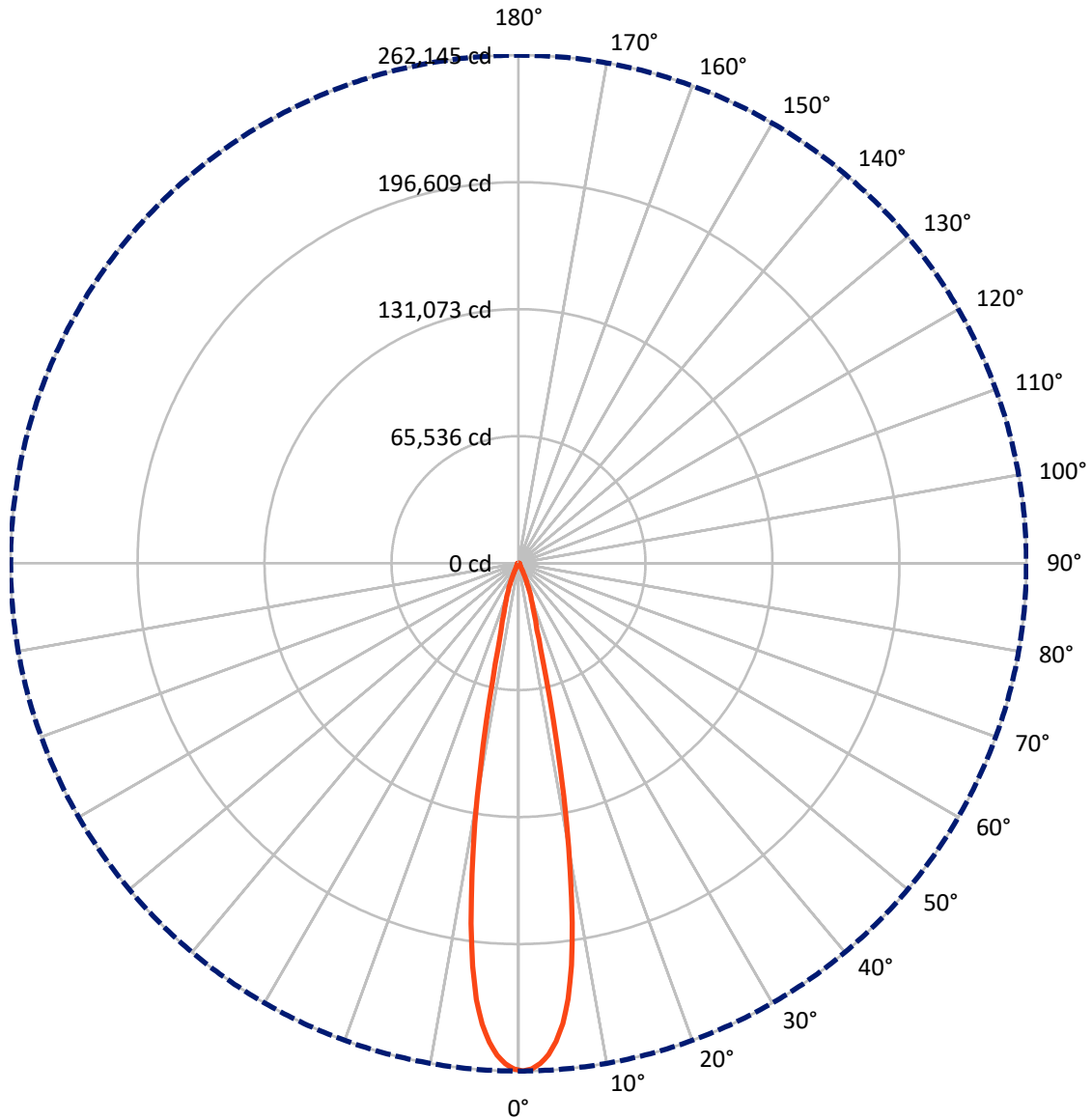
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 291.3 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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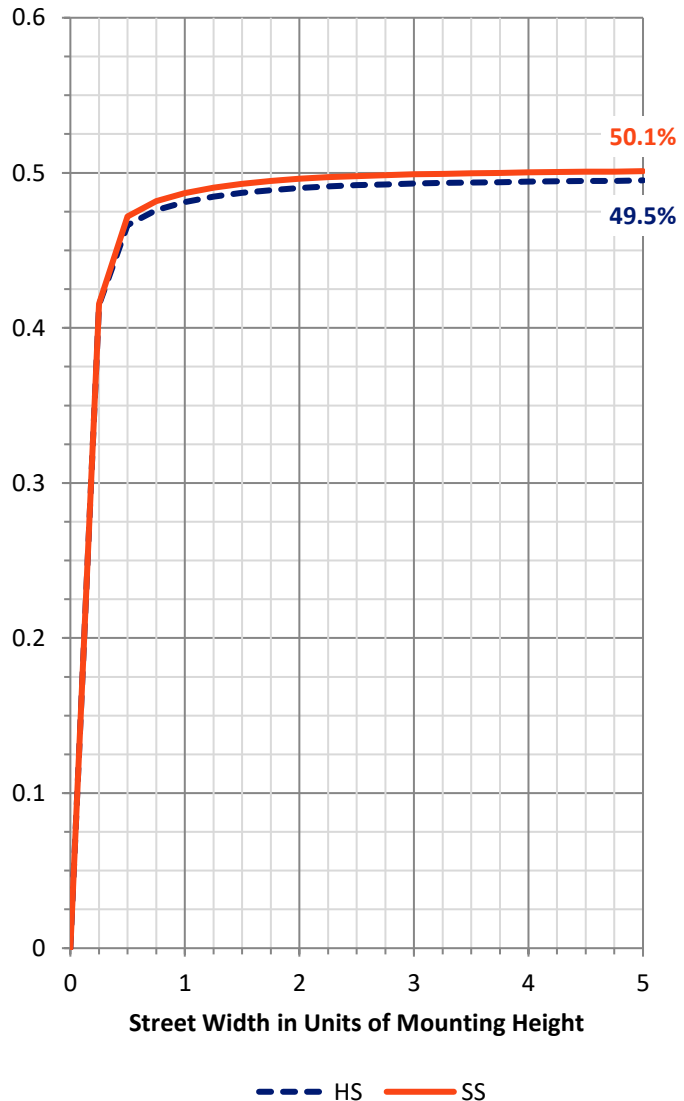
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19460.2	0.0	19460.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19460.2	0.0	19460.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	38920.3	0.0	38920.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19518.1	50.1
10°-20°	12838.4	33.0
20°-30°	3453.3	8.9
30°-40°	858.0	2.2
40°-50°	640.3	1.6
50°-60°	588.8	1.5
60°-70°	540.0	1.4
70°-80°	349.3	0.9
80°-90°	134.1	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°	38920.3	100.0
0°-180°	38920.3	100.0

Coefficient of Utilization



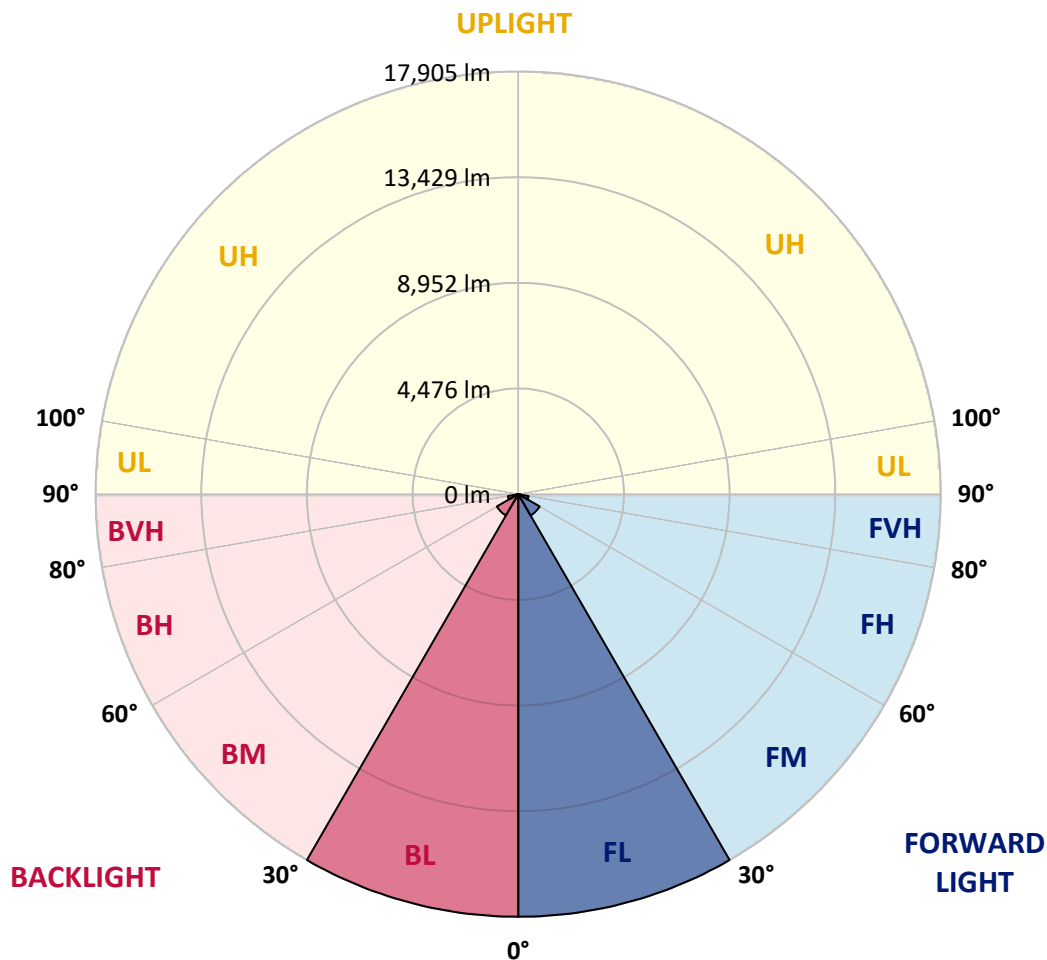
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17904.9	46.0			
FM (30°-60°)	1043.6	2.7			
FH (60°-80°)	444.7	1.1			G0/660
FVH (80°-90°)	67.1	0.2			G1/100
BL (0°-30°)	17904.9	46.0	B5		
BM (30°-60°)	1043.6	2.7	B2/2500		
BH (60°-80°)	444.7	1.1	B1/500		G0/660
BVH (80°-90°)	67.1	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°	262145.4
1°	261119.5
2°	258534.7
3°	254133.2
4°	247720.0
5°	238790.7
6°	226325.4
7°	209263.6
8°	187628.3
9°	162112.9
10°	136236.5
11°	108440.2
12°	82638.3
13°	61066.0
14°	45700.6
15°	35791.4
17.5°	23990.8
20°	17342.6
22.5°	11433.8
25°	6711.2
27.5°	3765.4
30°	2103.4
32.5°	1536.0
35°	1301.0
37.5°	1146.2
40°	1008.7
42.5°	905.5
45°	813.8
47.5°	750.8
50°	699.2
52.5°	670.6
55°	653.4
57.5°	641.9
60°	624.7
62.5°	590.3
65°	550.2
67.5°	504.3
70°	447.0
72.5°	384.0
75°	326.7
77.5°	275.1
80°	229.2
82.5°	183.4
85°	137.5
87.5°	57.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)