

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: P525538

Luminaire Tested: **IFLD-L-SA7E-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525538
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

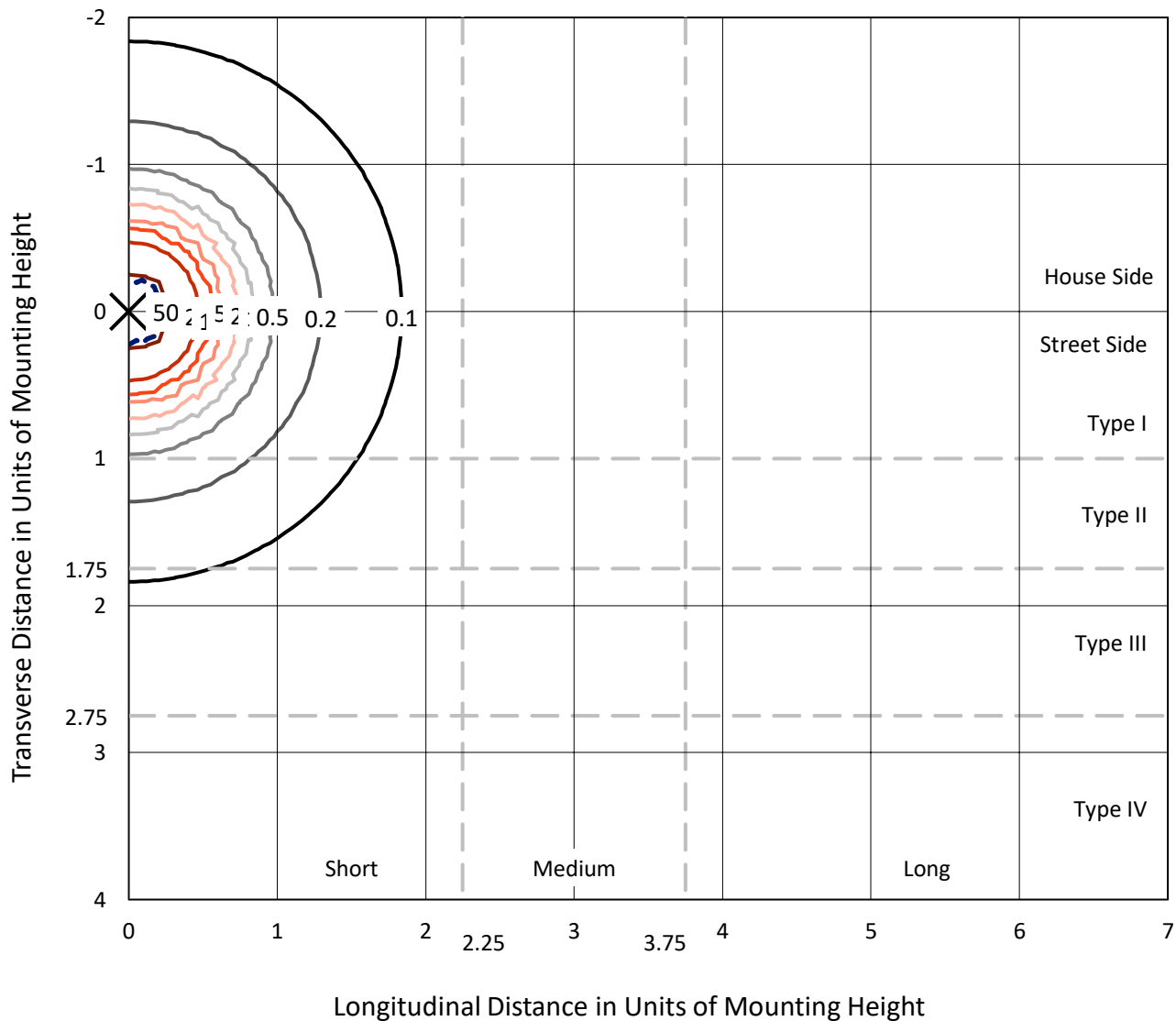
Lumens per Lamp: N/A
Luminaire Lumens: 38534.7 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

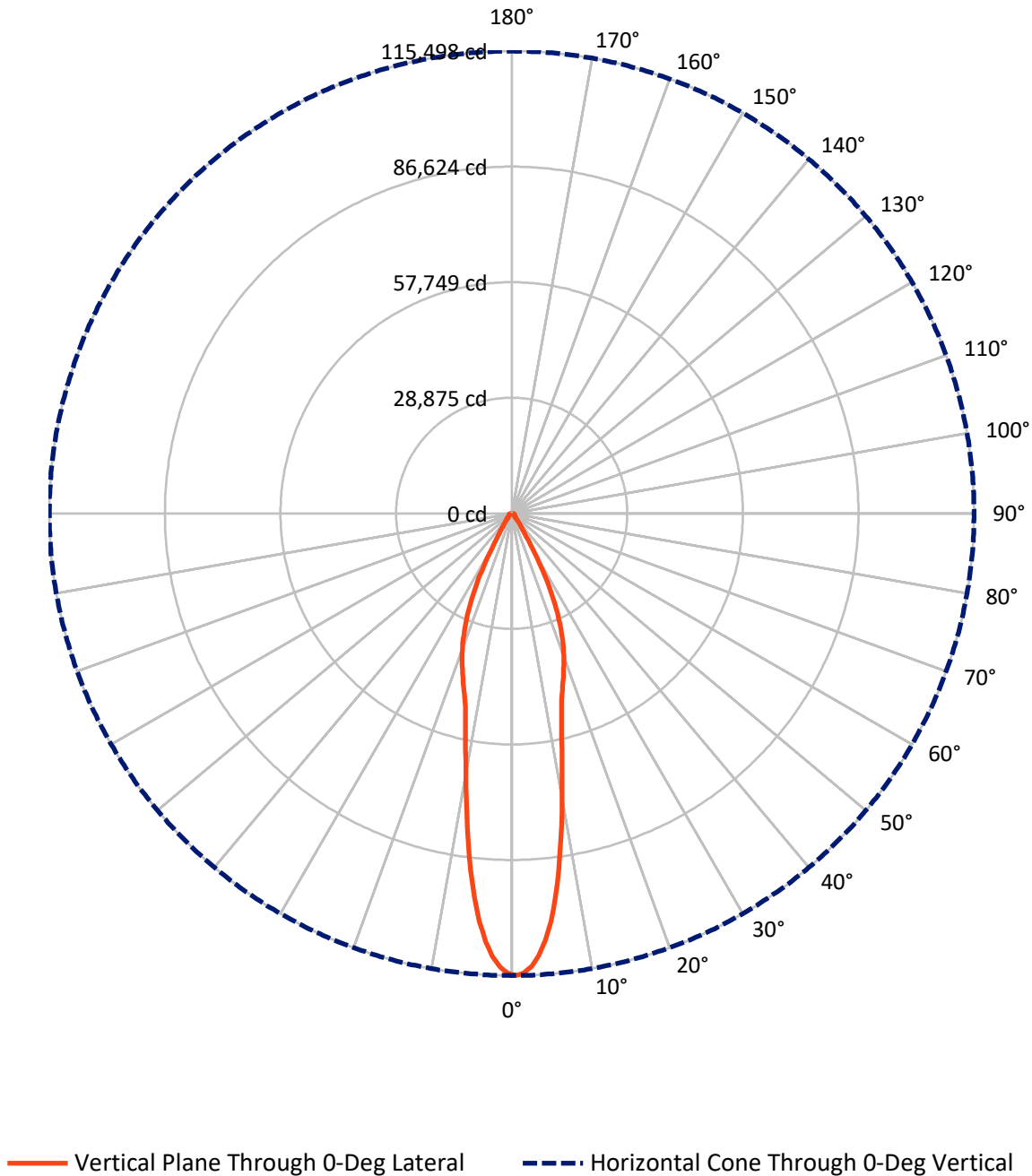
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 128.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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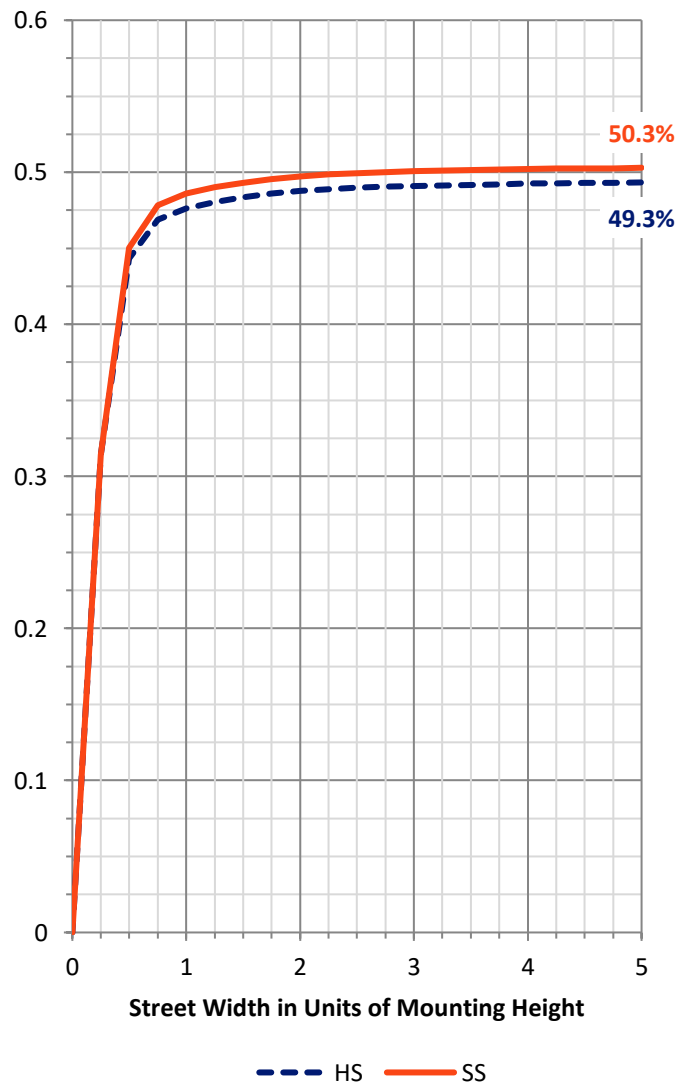
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19267.4	0.0	19267.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19267.4	0.0	19267.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	38534.7	0.0	38534.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8645.9	22.4
10°-20°	13483.7	35.0
20°-30°	10926.3	28.4
30°-40°	2651.8	6.9
40°-50°	892.5	2.3
50°-60°	705.2	1.8
60°-70°	703.4	1.8
70°-80°	388.2	1.0
80°-90°	137.6	0.4
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°	38534.7	100.0
0°-180°	38534.7	100.0

Coefficient of Utilization



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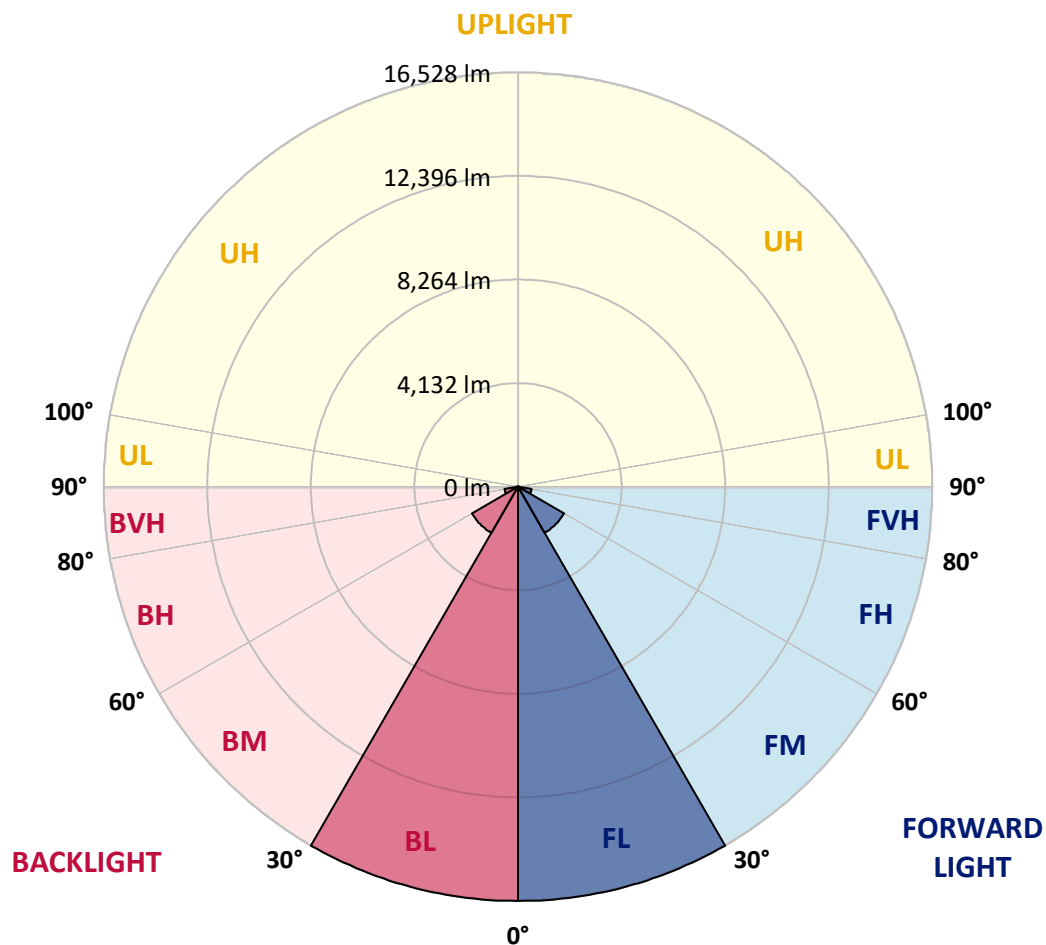
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16528.0	42.9			
FM	(30°-60°)	2124.7	5.5			
FH	(60°-80°)	545.8	1.4			G0/660
FVH	(80°-90°)	68.8	0.2			G1/100
BL	(0°-30°)	16528.0	42.9	B5		
BM	(30°-60°)	2124.7	5.5	B2/2500		
BH	(60°-80°)	545.8	1.4	B2/1000		G0/660
BVH	(80°-90°)	68.8	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°	115498.3
1°	114897.1
2°	113351.9
3°	110789.8
4°	107109.5
5°	102361.7
6°	96546.4
7°	90045.5
8°	82988.4
9°	75886.3
10°	69093.3
11°	62980.2
12°	57625.5
13°	53226.1
14°	49720.0
15°	46961.2
17.5°	41853.8
20°	37100.4
22.5°	31532.2
25°	25065.1
27.5°	17693.3
30°	9613.6
32.5°	5528.8
35°	3691.5
37.5°	2517.2
40°	1792.4
42.5°	1387.8
45°	1084.4
47.5°	887.8
50°	814.7
52.5°	775.4
55°	758.5
57.5°	786.6
60°	831.6
62.5°	814.7
65°	724.8
67.5°	623.7
70°	528.2
72.5°	438.3
75°	359.6
77.5°	292.2
80°	236.0
82.5°	191.0
85°	146.1
87.5°	50.6



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)