

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: P525730

Luminaire Tested: **IFLD-L-SA7B-935-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525730
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

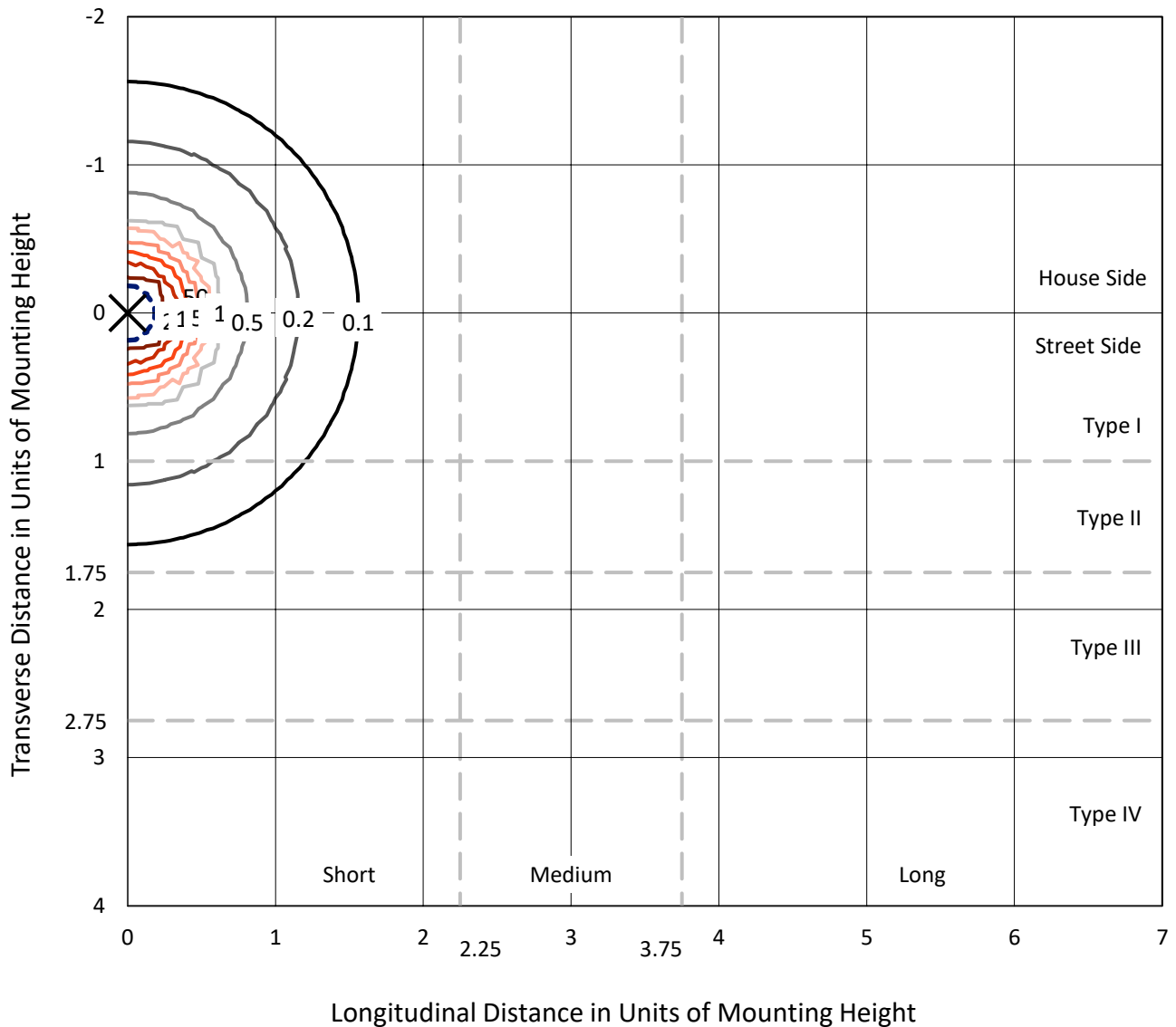
Lumens per Lamp: N/A
Luminaire Lumens: 24070.2 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

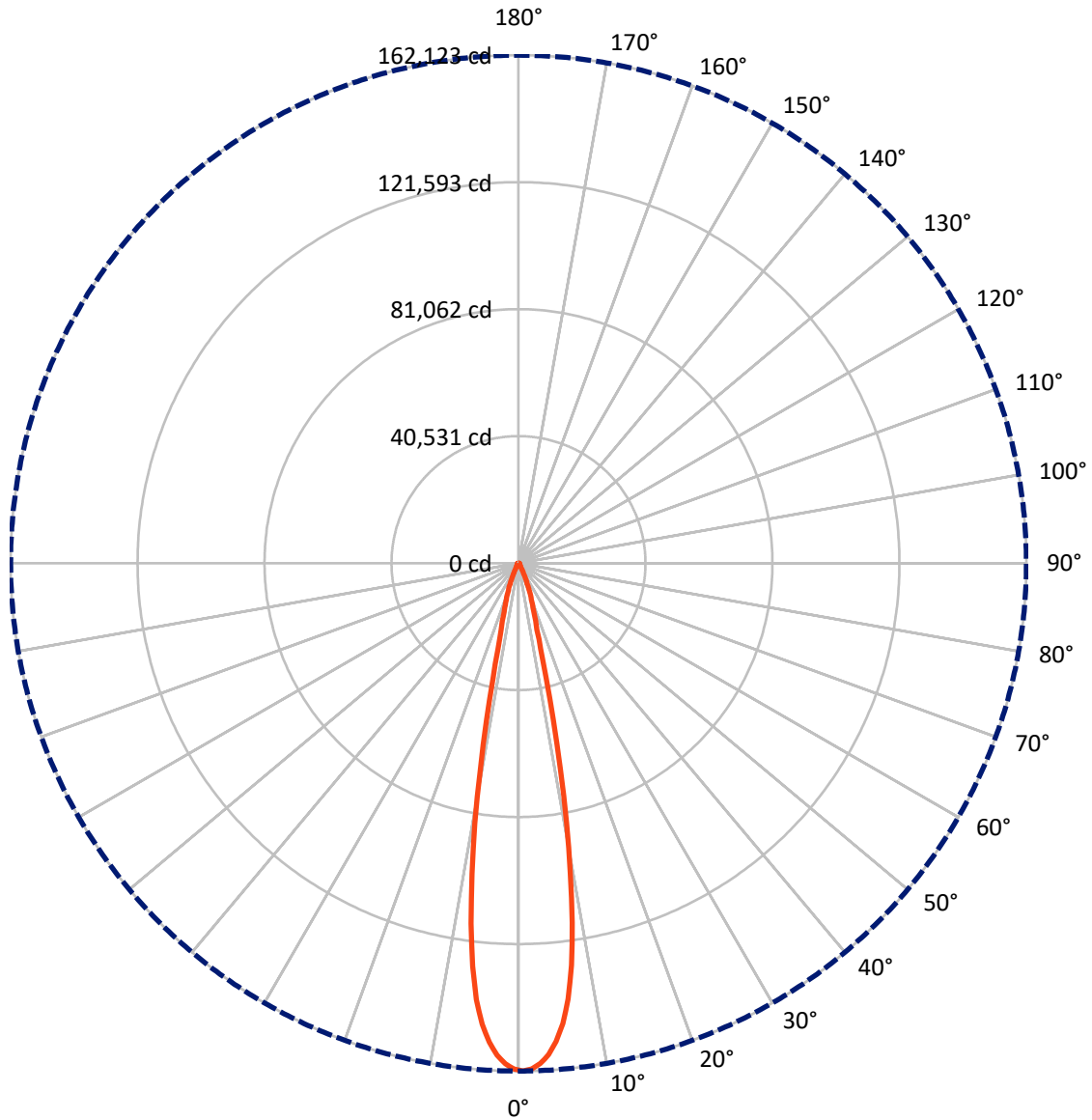
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 259.4 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	12035.1	0.0	12035.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12035.1	0.0	12035.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	24070.2	0.0	24070.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12070.9	50.1
10°-20°	7939.9	33.0
20°-30°	2135.7	8.9
30°-40°	530.7	2.2
40°-50°	396.0	1.6
50°-60°	364.1	1.5
60°-70°	334.0	1.4
70°-80°	216.0	0.9
80°-90°	83.0	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°	24070.2	100.0
0°-180°	24070.2	100.0

Coefficient of Utilization



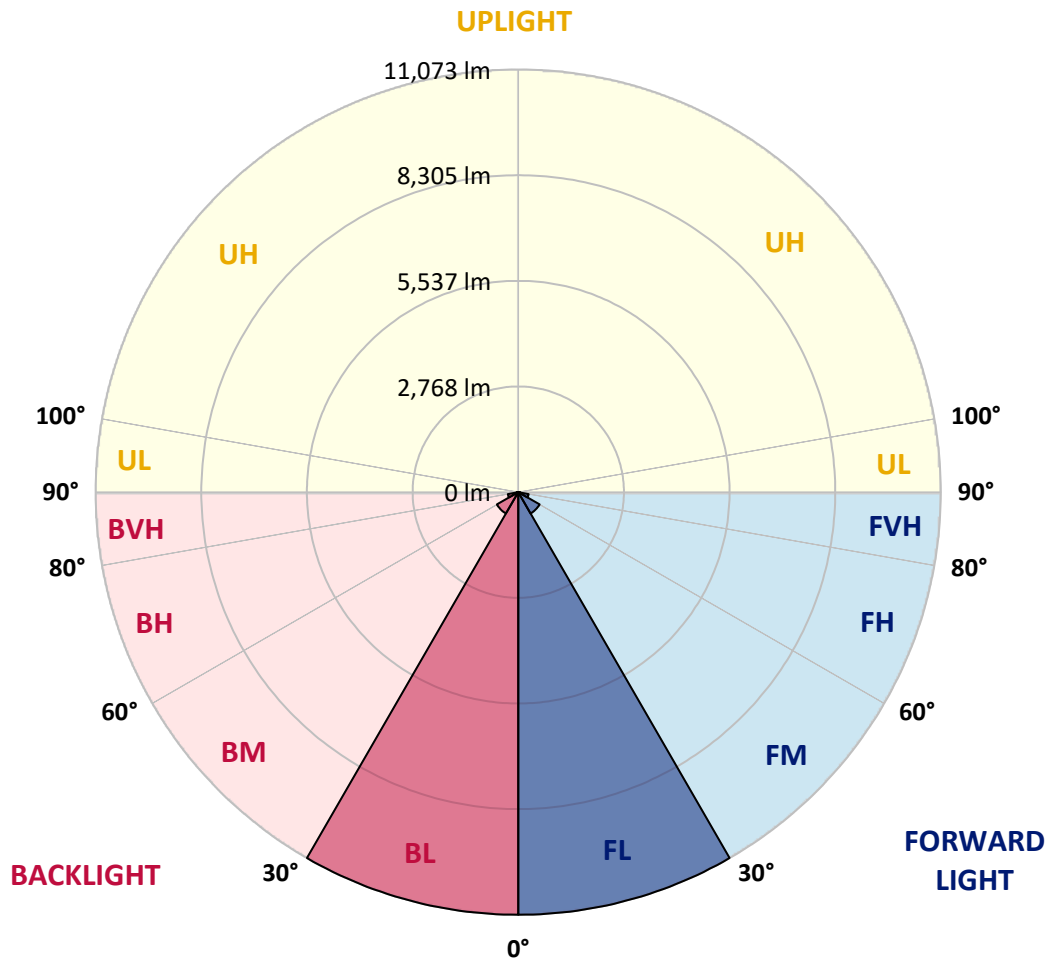
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11073.2	46.0			
FM (30°-60°)	645.4	2.7			
FH (60°-80°)	275.0	1.1			G0/660
FVH (80°-90°)	41.5	0.2			G1/100
BL (0°-30°)	11073.2	46.0	B5		
BM (30°-60°)	645.4	2.7	B1/1000		
BH (60°-80°)	275.0	1.1	B1/500		G0/660
BVH (80°-90°)	41.5	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°	162123.4
1°	161488.9
2°	159890.4
3°	157168.2
4°	153202.0
5°	147679.7
6°	139970.5
7°	129418.7
8°	116038.4
9°	100258.5
10°	84255.2
11°	67064.6
12°	51107.5
13°	37766.2
14°	28263.5
15°	22135.1
17.5°	14837.1
20°	10725.5
22.5°	7071.2
25°	4150.6
27.5°	2328.7
30°	1300.8
32.5°	949.9
35°	804.6
37.5°	708.9
40°	623.8
42.5°	560.0
45°	503.3
47.5°	464.3
50°	432.4
52.5°	414.7
55°	404.1
57.5°	397.0
60°	386.3
62.5°	365.1
65°	340.3
67.5°	311.9
70°	276.5
72.5°	237.5
75°	202.0
77.5°	170.1
80°	141.8
82.5°	113.4
85°	85.1
87.5°	35.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)