

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: P525462

Luminaire Tested: **IFLD-L-SA8B-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525462
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26055.6 lumens
Efficiency: N/A
Efficacy: 81.4 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): 320
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

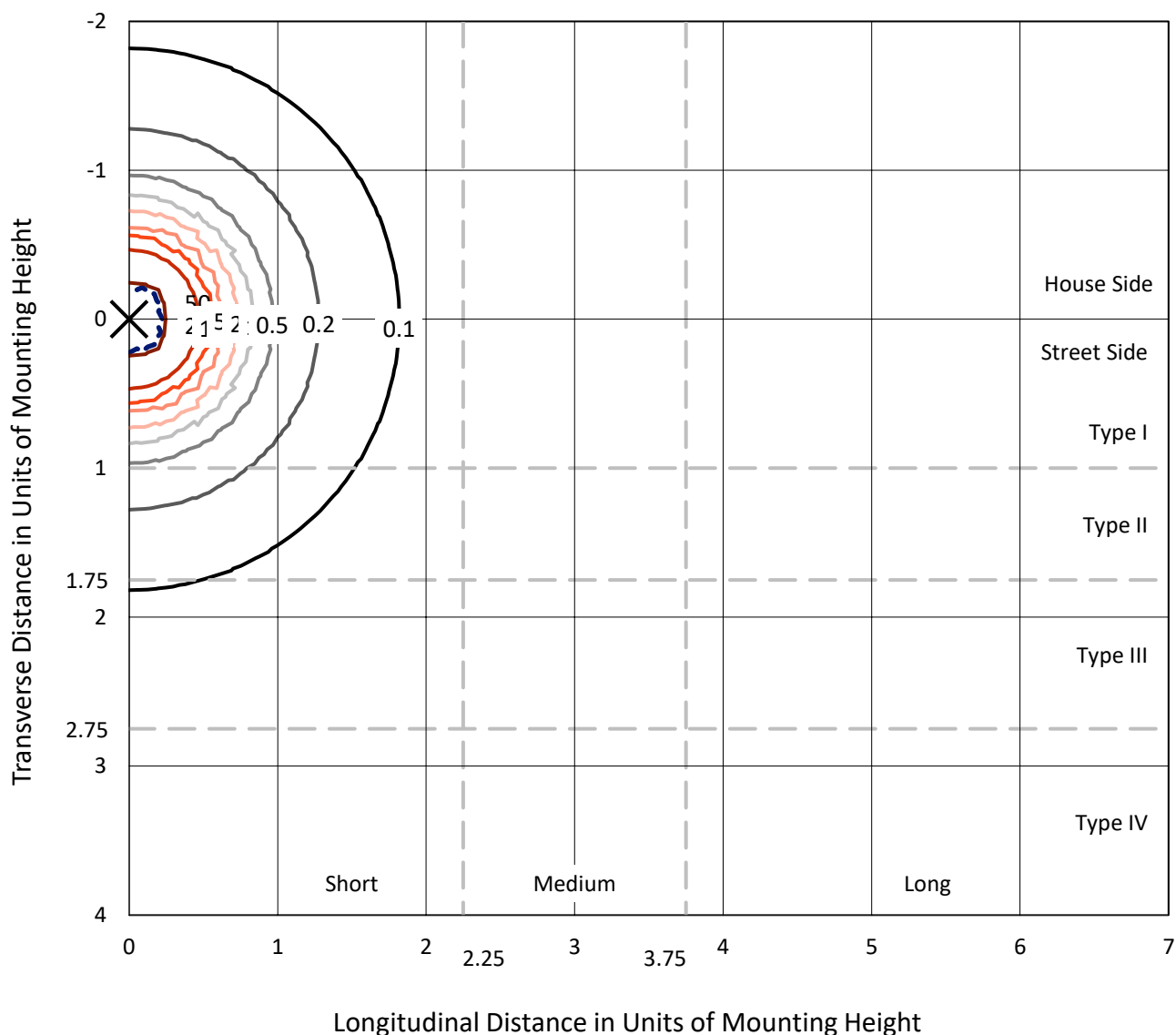
REPORT NUMBER: P525462

CATALOG NUMBER: IFLD-L-SA8B-927-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

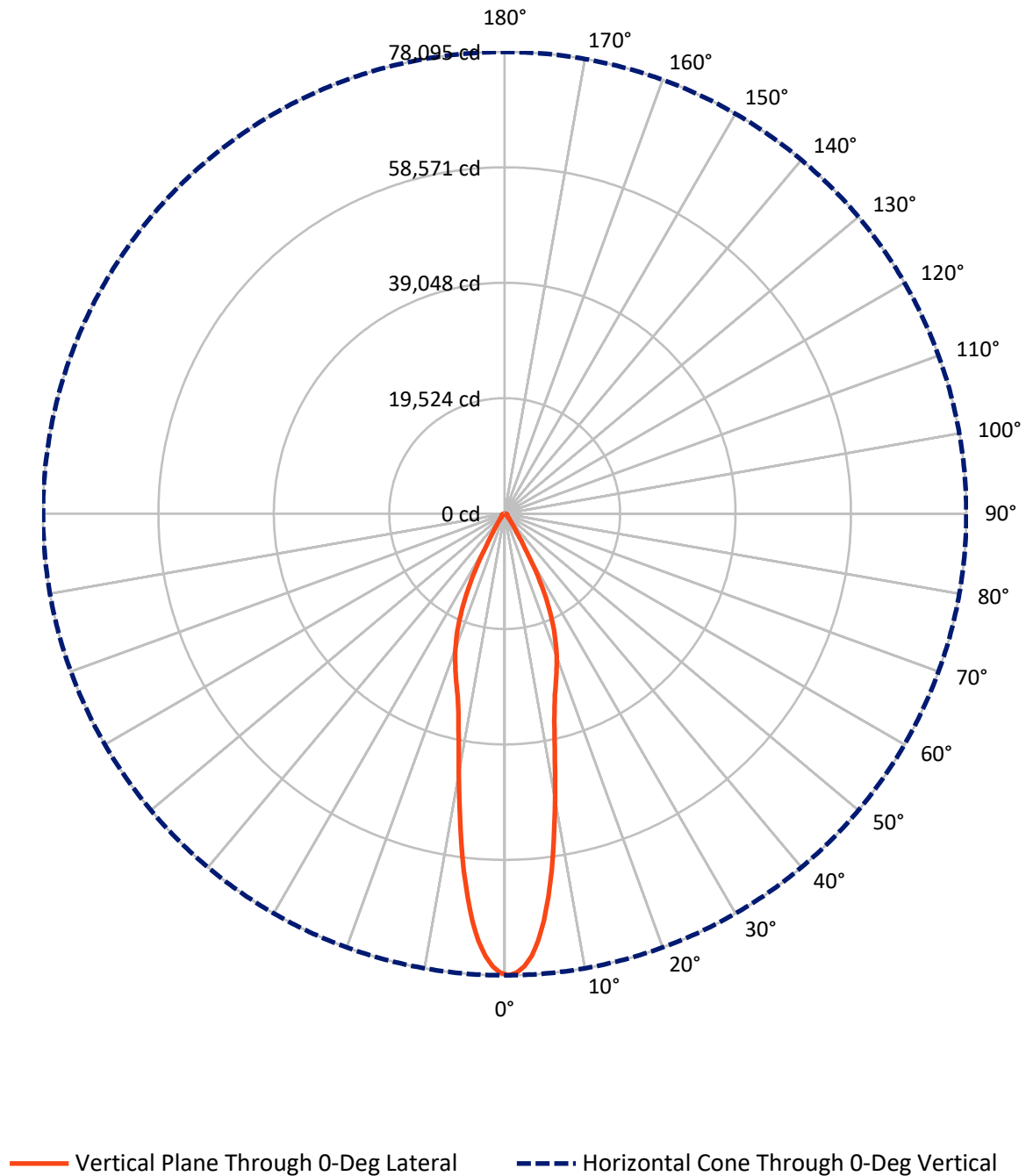


Based on 25 foot mounting height. Maximum calculated value = 125 fc

Type V - Short - N/A

REPORT NUMBER: P525462
CATALOG NUMBER: IFLD-L-SA8B-927-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525462

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13027.8	0.0	13027.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13027.8	0.0	13027.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	26055.6	0.0	26055.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5846.0	22.4
10°-20°	9117.2	35.0
20°-30°	7387.9	28.4
30°-40°	1793.0	6.9
40°-50°	603.4	2.3
50°-60°	476.9	1.8
60°-70°	475.6	1.8
70°-80°	262.5	1.0
80°-90°	93.1	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°	26055.6	100.0
0°-180°	26055.6	100.0

Coefficient of Utilization



REPORT NUMBER: P525462

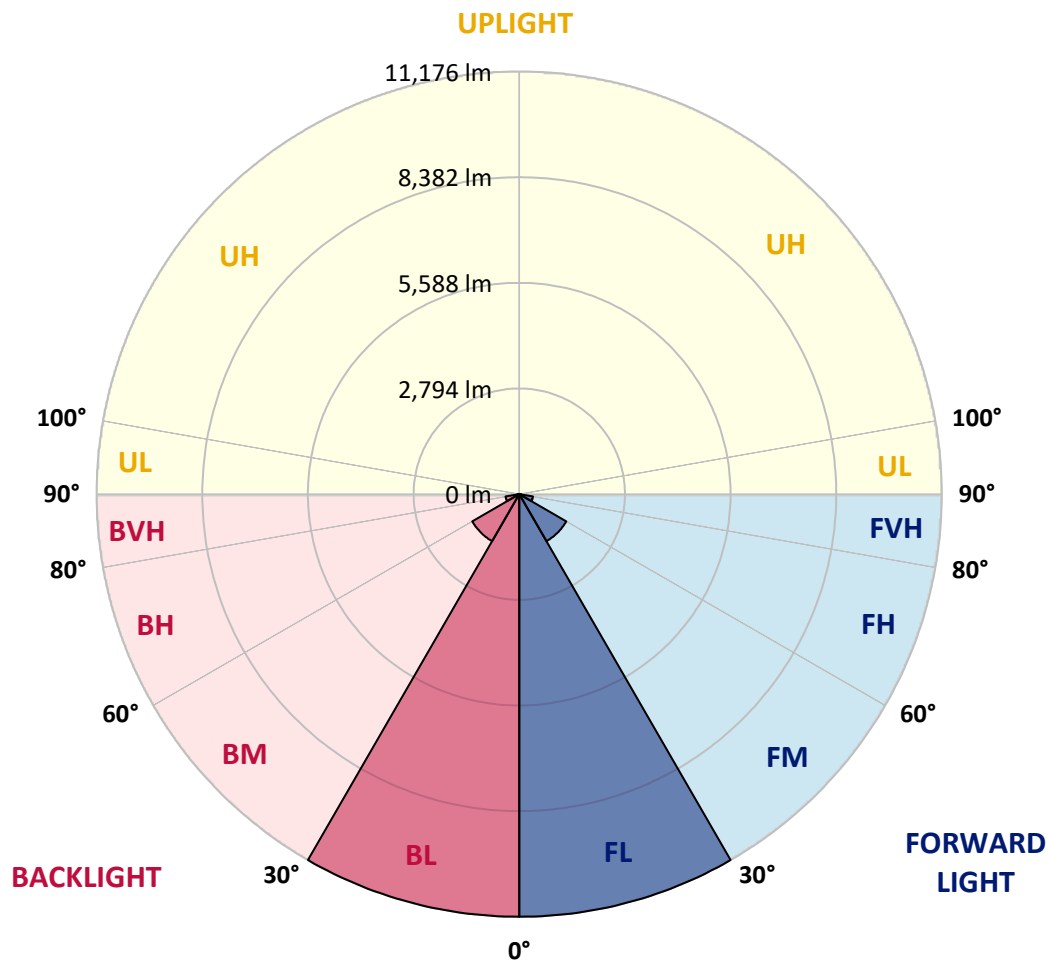
CATALOG NUMBER: IFLD-L-SA8B-927-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11175.6	42.9			
FM	(30°-60°)	1436.7	5.5			
FH	(60°-80°)	369.1	1.4			G0/660
FVH	(80°-90°)	46.5	0.2			G1/100
BL	(0°-30°)	11175.6	42.9	B5		
BM	(30°-60°)	1436.7	5.5	B2/2500		
BH	(60°-80°)	369.1	1.4	B1/500		G0/660
BVH	(80°-90°)	46.5	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



REPORT NUMBER: P525462

CATALOG NUMBER: IFLD-L-SA8B-927-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	78095.3
1°	77688.8
2°	76644.0
3°	74911.6
4°	72423.2
5°	69212.9
6°	65280.8
7°	60885.1
8°	56113.4
9°	51311.3
10°	46718.1
11°	42584.7
12°	38964.1
13°	35989.3
14°	33618.7
15°	31753.3
17.5°	28299.9
20°	25085.8
22.5°	21320.8
25°	16948.0
27.5°	11963.5
30°	6500.3
32.5°	3738.4
35°	2496.0
37.5°	1702.0
40°	1211.9
42.5°	938.4
45°	733.2
47.5°	600.3
50°	550.9
52.5°	524.3
55°	512.9
57.5°	531.9
60°	562.3
62.5°	550.9
65°	490.1
67.5°	421.7
70°	357.1
72.5°	296.3
75°	243.1
77.5°	197.6
80°	159.6
82.5°	129.2
85°	98.8
87.5°	34.2

REPORT NUMBER: P525462
CATALOG NUMBER: IFLD-L-SA8B-927-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)