

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: P525586

Luminaire Tested: **IFLD-S-SA2E-950-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525586
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13445.4 lumens
Efficiency: N/A
Efficacy: 86.1 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): 156.2
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

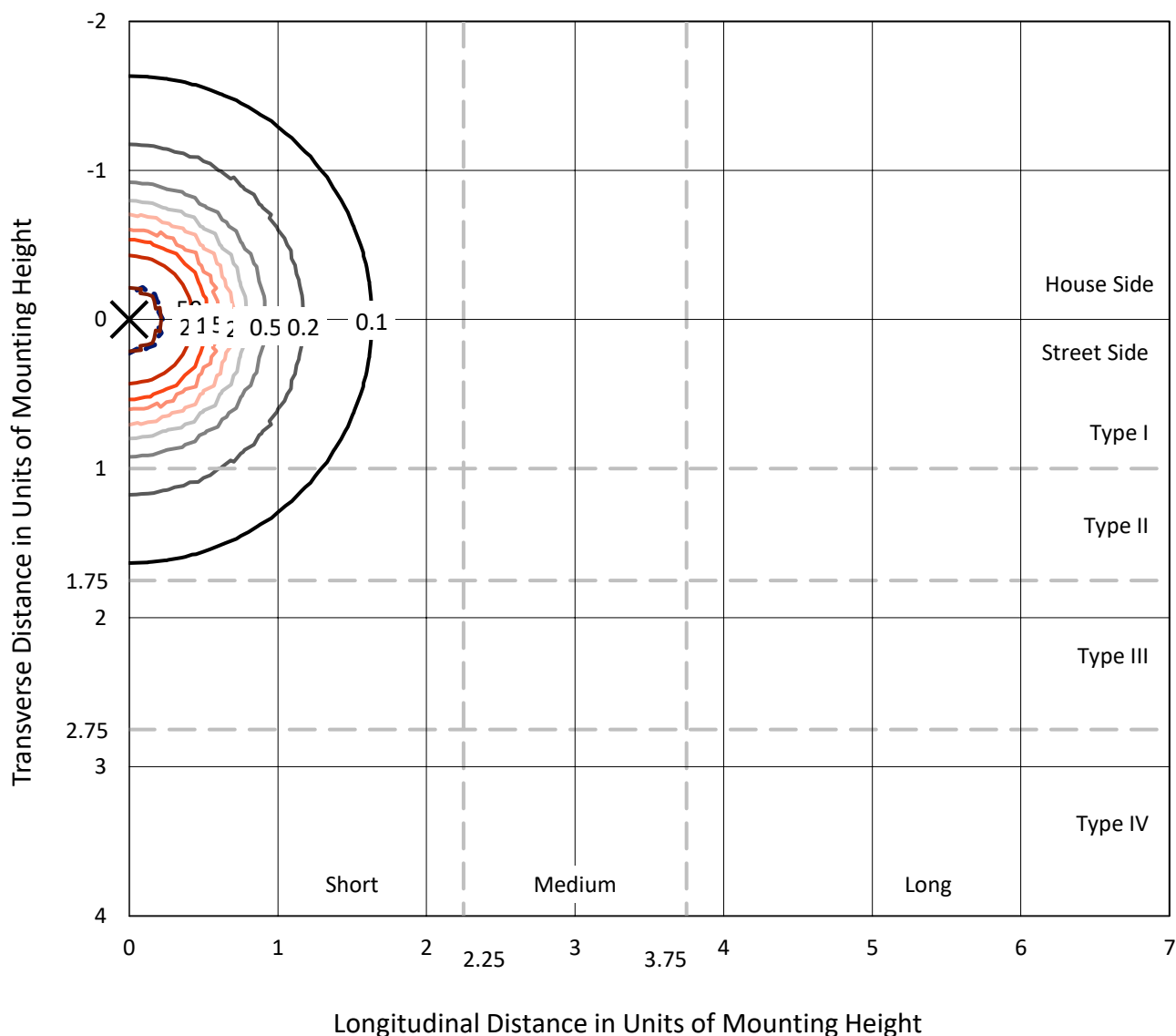
REPORT NUMBER: P525586

CATALOG NUMBER: IFLD-S-SA2E-950-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

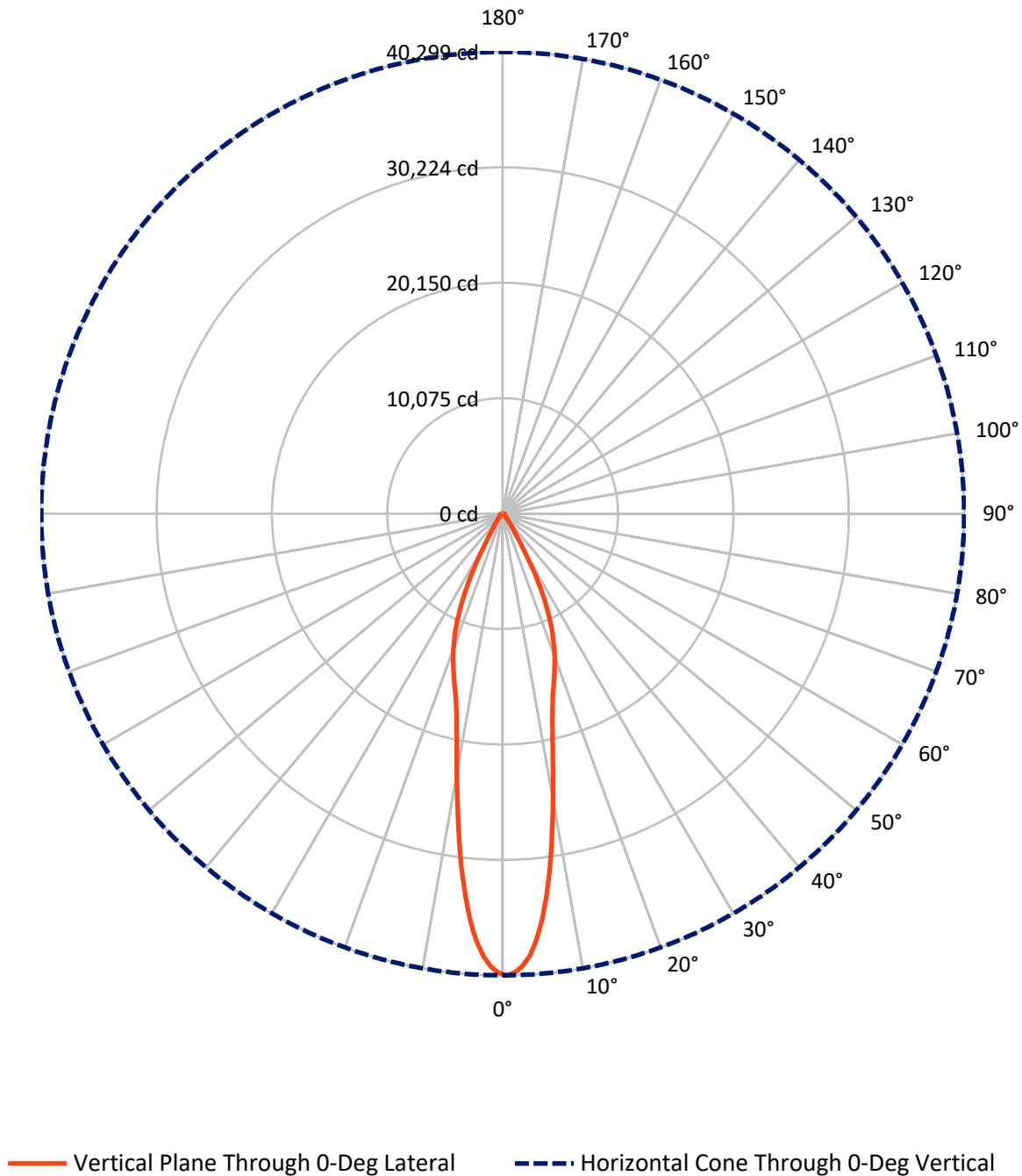


Based on 20 foot mounting height. Maximum calculated value = 100.7 fc

Type V - Short - N/A

REPORT NUMBER: P525586
CATALOG NUMBER: IFLD-S-SA2E-950-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525586

CATALOG NUMBER: IFLD-S-SA2E-950-U-44

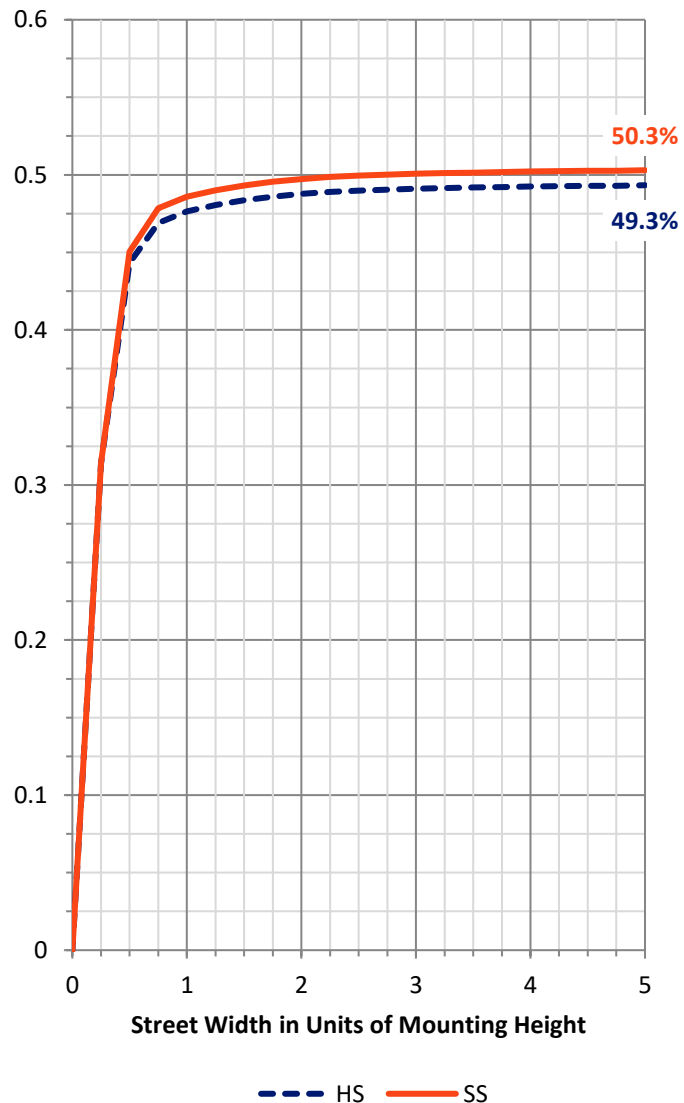
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6722.7	0.0	6722.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6722.7	0.0	6722.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13445.4	0.0	13445.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3016.7	22.4
10°-20°	4704.7	35.0
20°-30°	3812.4	28.4
30°-40°	925.3	6.9
40°-50°	311.4	2.3
50°-60°	246.1	1.8
60°-70°	245.4	1.8
70°-80°	135.4	1.0
80°-90°	48.0	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°	13445.4	100.0
0°-180°	13445.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525586

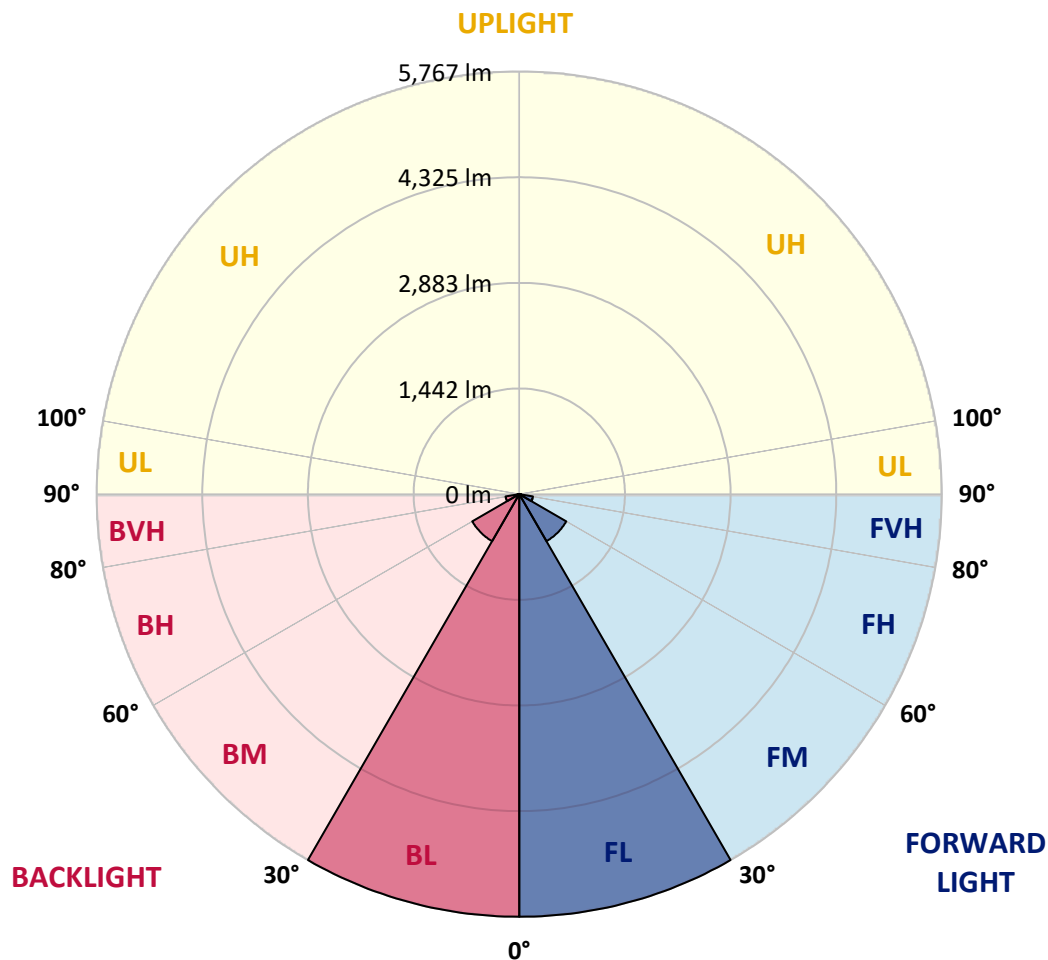
CATALOG NUMBER: IFLD-S-SA2E-950-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5766.9	42.9			
FM	(30°-60°)	741.4	5.5			
FH	(60°-80°)	190.4	1.4			G0/660
FVH	(80°-90°)	24.0	0.2			G1/100
BL	(0°-30°)	5766.9	42.9	B5		
BM	(30°-60°)	741.4	5.5	B1/1000		
BH	(60°-80°)	190.4	1.4	B1/500		G0/660
BVH	(80°-90°)	24.0	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: P525586

CATALOG NUMBER: IFLD-S-SA2E-950-U-44

CANDELA DISTRIBUTION (FULL):

	0°
0°	40299.1
1°	40089.4
2°	39550.2
3°	38656.3
4°	37372.2
5°	35715.6
6°	33686.5
7°	31418.3
8°	28955.9
9°	26477.9
10°	24107.7
11°	21974.7
12°	20106.4
13°	18571.4
14°	17348.1
15°	16385.5
17.5°	14603.4
20°	12944.9
22.5°	11002.1
25°	8745.6
27.5°	6173.5
30°	3354.3
32.5°	1929.1
35°	1288.0
37.5°	878.3
40°	625.4
42.5°	484.2
45°	378.4
47.5°	309.8
50°	284.3
52.5°	270.5
55°	264.7
57.5°	274.5
60°	290.1
62.5°	284.3
65°	252.9
67.5°	217.6
70°	184.3
72.5°	152.9
75°	125.5
77.5°	101.9
80°	82.3
82.5°	66.7
85°	51.0
87.5°	17.6

REPORT NUMBER: P525586
CATALOG NUMBER: IFLD-S-SA2E-950-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)