

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: P525469

Luminaire Tested: **IFLD-S-SA2E-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525469
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11908.5 lumens
Efficiency: N/A
Efficacy: 76.2 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

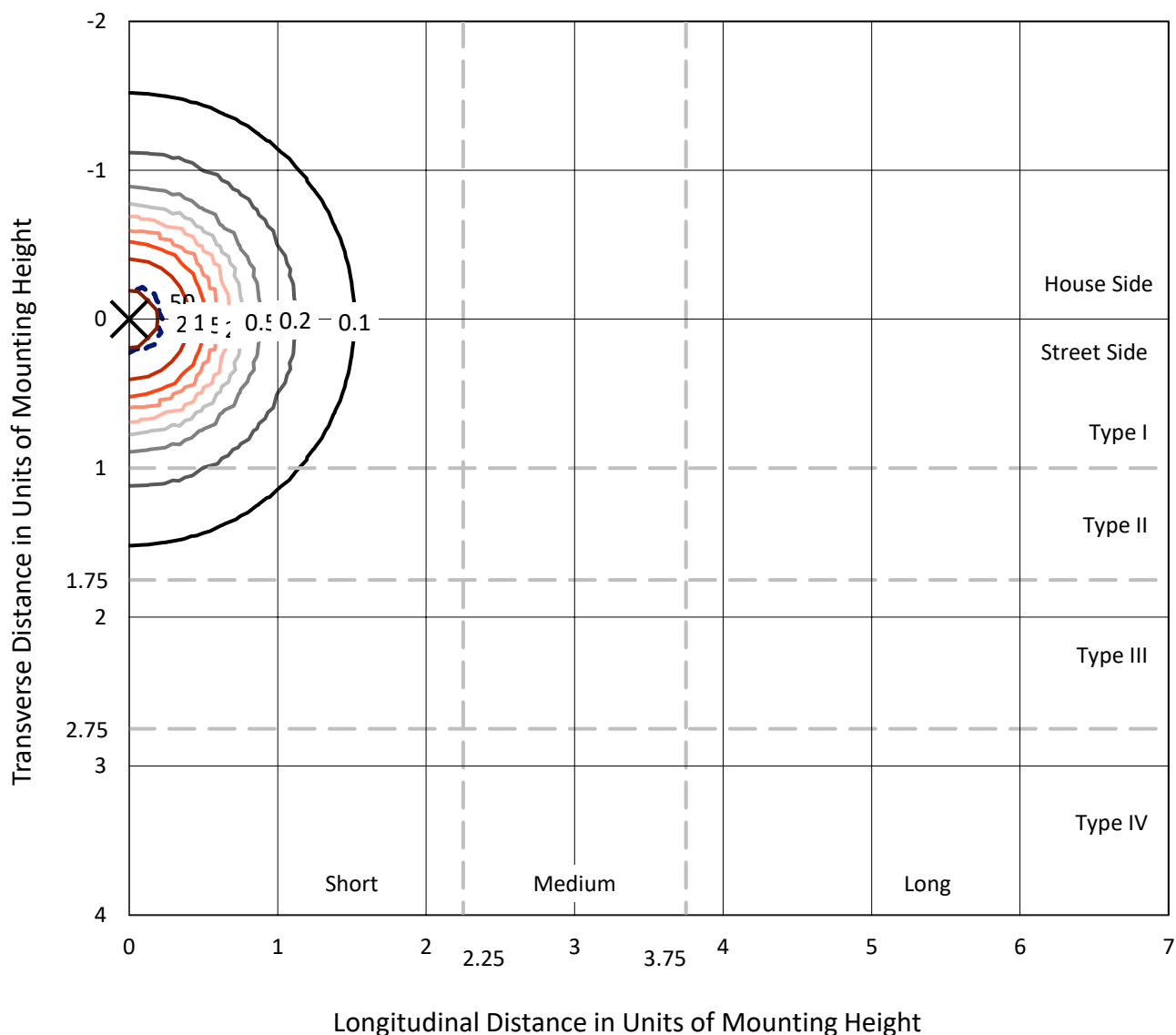
REPORT NUMBER: P525469

CATALOG NUMBER: IFLD-S-SA2E-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

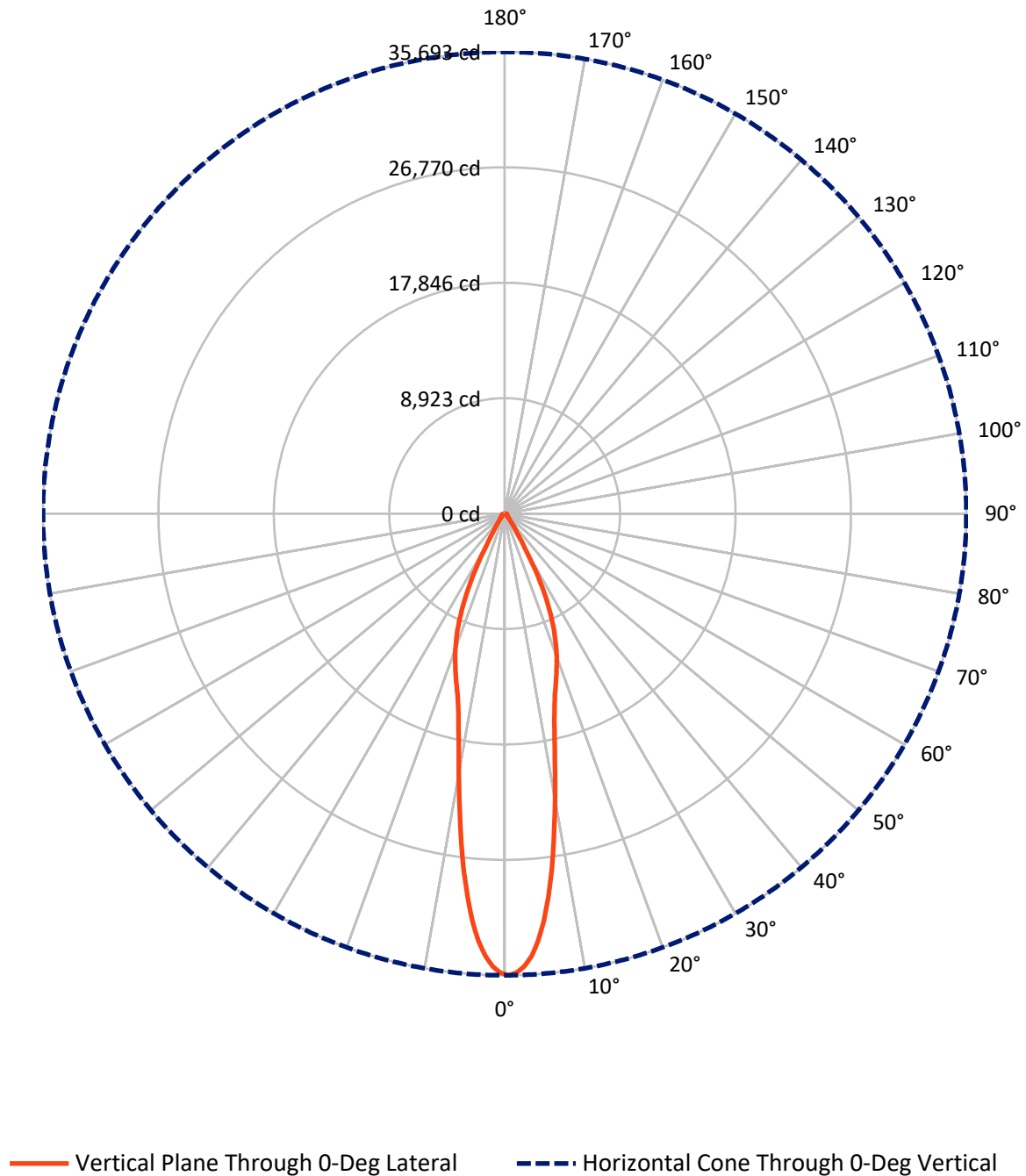


Based on 20 foot mounting height. Maximum calculated value = 89.2 fc

Type V - Short - N/A

REPORT NUMBER: P525469
CATALOG NUMBER: IFLD-S-SA2E-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525469

CATALOG NUMBER: IFLD-S-SA2E-930-U-44

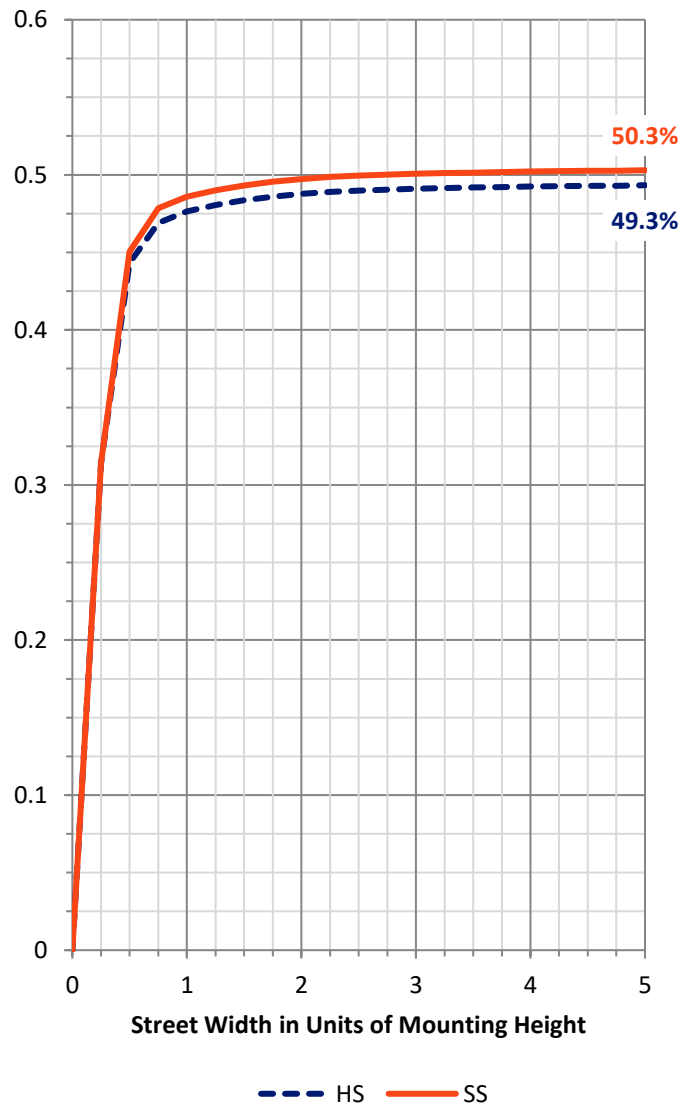
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5954.2	0.0	5954.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5954.2	0.0	5954.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11908.5	0.0	11908.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2671.9	22.4
10°-20°	4166.9	35.0
20°-30°	3376.6	28.4
30°-40°	819.5	6.9
40°-50°	275.8	2.3
50°-60°	217.9	1.8
60°-70°	217.4	1.8
70°-80°	119.9	1.0
80°-90°	42.5	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°	11908.5	100.0
0°-180°	11908.5	100.0

Coefficient of Utilization



REPORT NUMBER: P525469

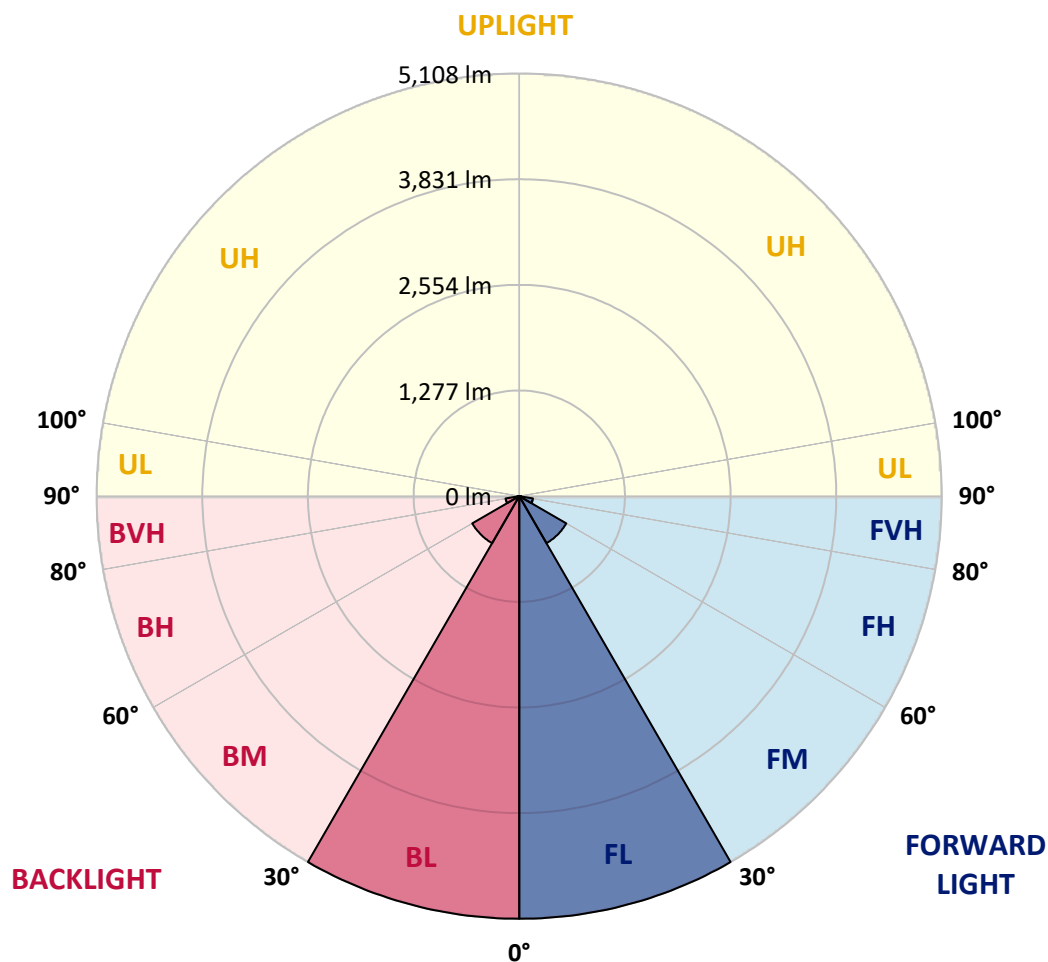
CATALOG NUMBER: IFLD-S-SA2E-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5107.7	42.9			
FM	(30°-60°)	656.6	5.5			
FH	(60°-80°)	168.7	1.4			G0/660
FVH	(80°-90°)	21.2	0.2			G1/100
BL	(0°-30°)	5107.7	42.9	B5		
BM	(30°-60°)	656.6	5.5	B1/1000		
BH	(60°-80°)	168.7	1.4	B1/500		G0/660
BVH	(80°-90°)	21.2	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: P525469

CATALOG NUMBER: IFLD-S-SA2E-930-U-44

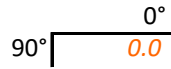
CANDELA DISTRIBUTION (FULL):

0°	
0°	35692.9
1°	35507.1
2°	35029.6
3°	34237.9
4°	33100.5
5°	31633.3
6°	29836.1
7°	27827.2
8°	25646.3
9°	23451.5
10°	21352.2
11°	19463.0
12°	17808.3
13°	16448.7
14°	15365.2
15°	14512.6
17.5°	12934.3
20°	11465.3
22.5°	9744.5
25°	7746.0
27.5°	5467.8
30°	2970.9
32.5°	1708.6
35°	1140.8
37.5°	777.9
40°	553.9
42.5°	428.9
45°	335.1
47.5°	274.3
50°	251.8
52.5°	239.6
55°	234.4
57.5°	243.1
60°	257.0
62.5°	251.8
65°	224.0
67.5°	192.7
70°	163.2
72.5°	135.4
75°	111.1
77.5°	90.3
80°	72.9
82.5°	59.0
85°	45.1
87.5°	15.6



REPORT NUMBER: P525469
CATALOG NUMBER: IFLD-S-SA2E-930-U-44

CANDELA DISTRIBUTION (continued):



(END OF REPORT)