

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: P525486

Luminaire Tested: **IFLD-S-SA6B-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525486
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21962.2 lumens
Efficiency: N/A
Efficacy: 89.7 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): 244.9
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

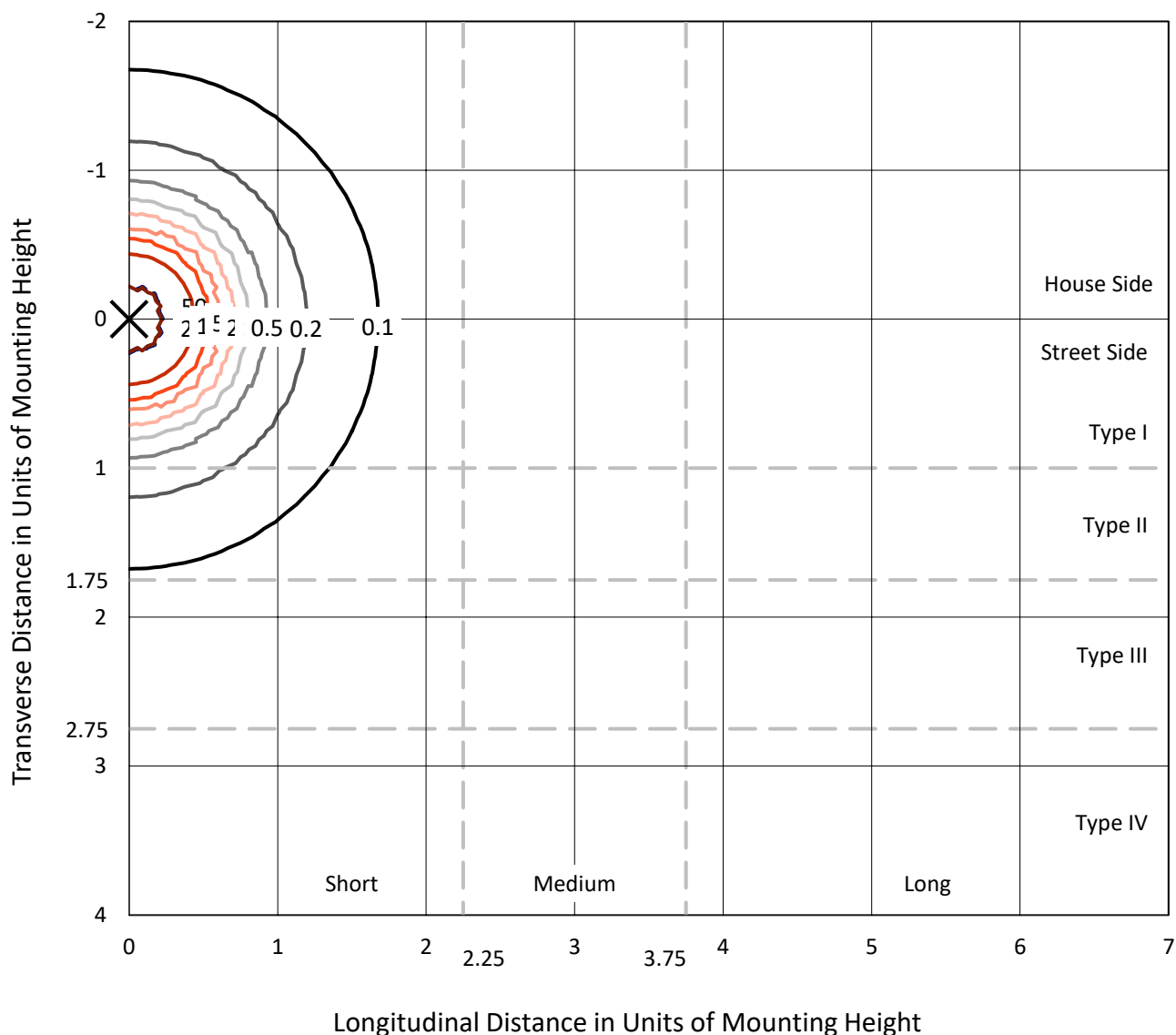
REPORT NUMBER: P525486

CATALOG NUMBER: IFLD-S-SA6B-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

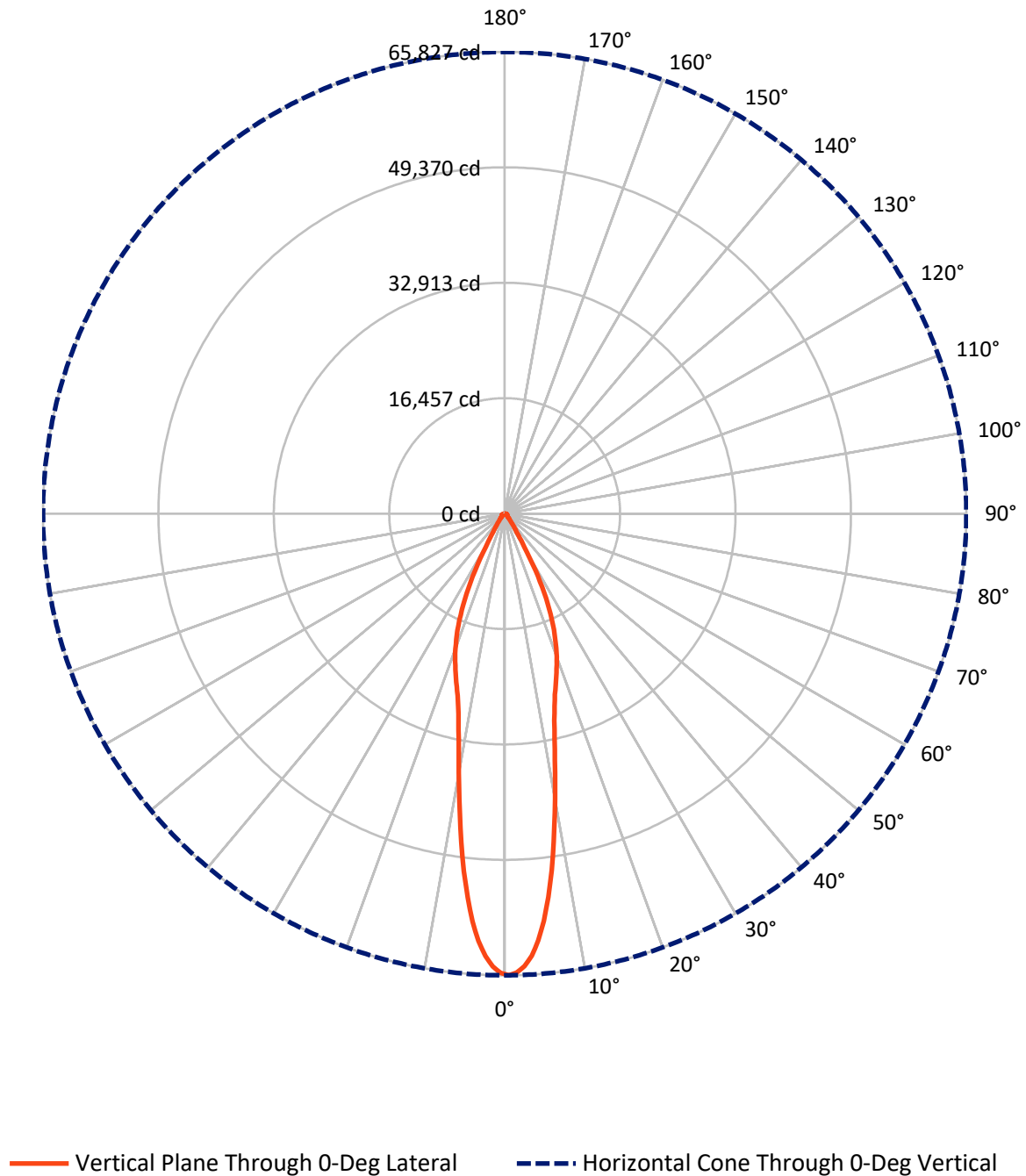


Based on 25 foot mounting height. Maximum calculated value = 105.3 fc

Type V - Short - N/A

REPORT NUMBER: P525486
CATALOG NUMBER: IFLD-S-SA6B-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525486

CATALOG NUMBER: IFLD-S-SA6B-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10981.1	0.0	10981.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10981.1	0.0	10981.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21962.2	0.0	21962.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4927.6	22.4
10°-20°	7684.9	35.0
20°-30°	6227.3	28.4
30°-40°	1511.3	6.9
40°-50°	508.6	2.3
50°-60°	401.9	1.8
60°-70°	400.9	1.8
70°-80°	221.2	1.0
80°-90°	78.4	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°	21962.2	100.0
0°-180°	21962.2	100.0

Coefficient of Utilization



REPORT NUMBER: P525486

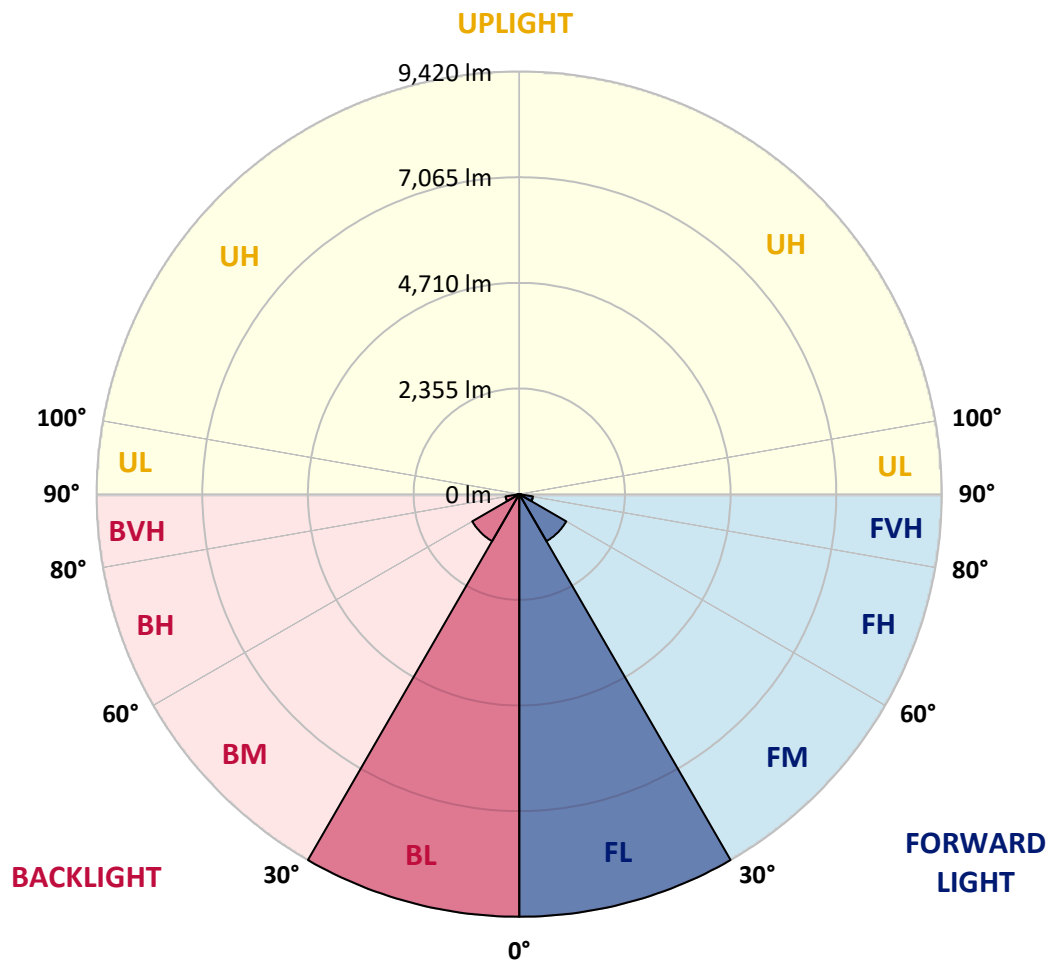
CATALOG NUMBER: IFLD-S-SA6B-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9419.9	42.9			
FM	(30°-60°)	1211.0	5.5			
FH	(60°-80°)	311.1	1.4			G0/660
FVH	(80°-90°)	39.2	0.2			G1/100
BL	(0°-30°)	9419.9	42.9	B5		
BM	(30°-60°)	1211.0	5.5	B2/2500		
BH	(60°-80°)	311.1	1.4	B1/500		G0/660
BVH	(80°-90°)	39.2	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: P525486

CATALOG NUMBER: IFLD-S-SA6B-930-U-44

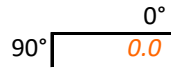
CANDELA DISTRIBUTION (FULL):

0°	
0°	65826.5
1°	65483.9
2°	64603.3
3°	63143.0
4°	61045.5
5°	58339.6
6°	55025.2
7°	51320.1
8°	47298.0
9°	43250.3
10°	39378.7
11°	35894.6
12°	32842.8
13°	30335.4
14°	28337.2
15°	26764.8
17.5°	23854.0
20°	21144.8
22.5°	17971.3
25°	14285.5
27.5°	10084.1
30°	5479.1
32.5°	3151.1
35°	2103.9
37.5°	1434.6
40°	1021.5
42.5°	791.0
45°	618.0
47.5°	506.0
50°	464.3
52.5°	441.9
55°	432.3
57.5°	448.3
60°	473.9
62.5°	464.3
65°	413.1
67.5°	355.5
70°	301.0
72.5°	249.8
75°	204.9
77.5°	166.5
80°	134.5
82.5°	108.9
85°	83.3
87.5°	28.8



REPORT NUMBER: P525486
CATALOG NUMBER: IFLD-S-SA6B-930-U-44

CANDELA DISTRIBUTION (continued):



(END OF REPORT)