

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: P525489

Luminaire Tested: **IFLD-S-SA6E-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525489
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 34814.3 lumens
Efficiency: N/A
Efficacy: 75.0 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): 464.2
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

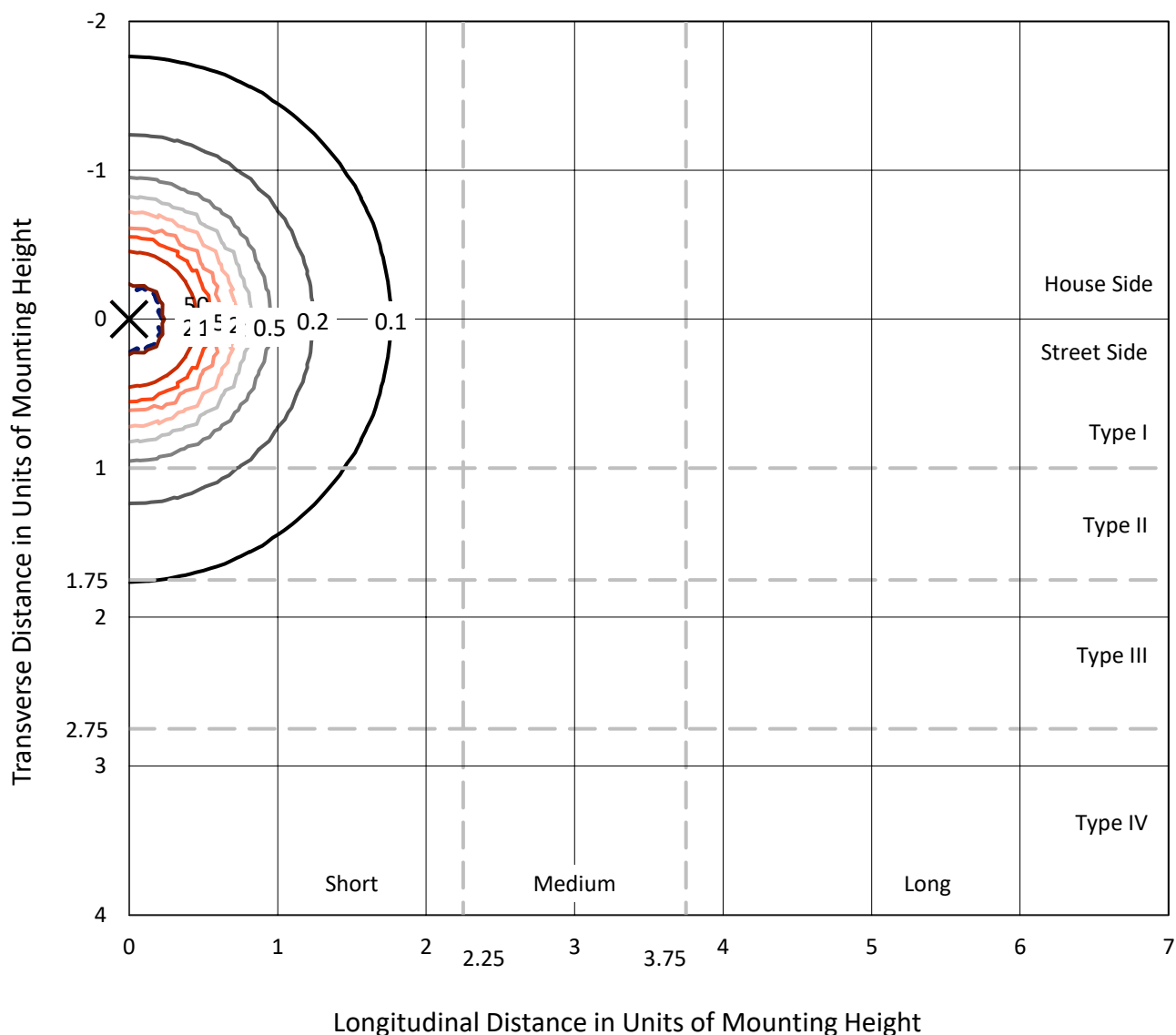
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

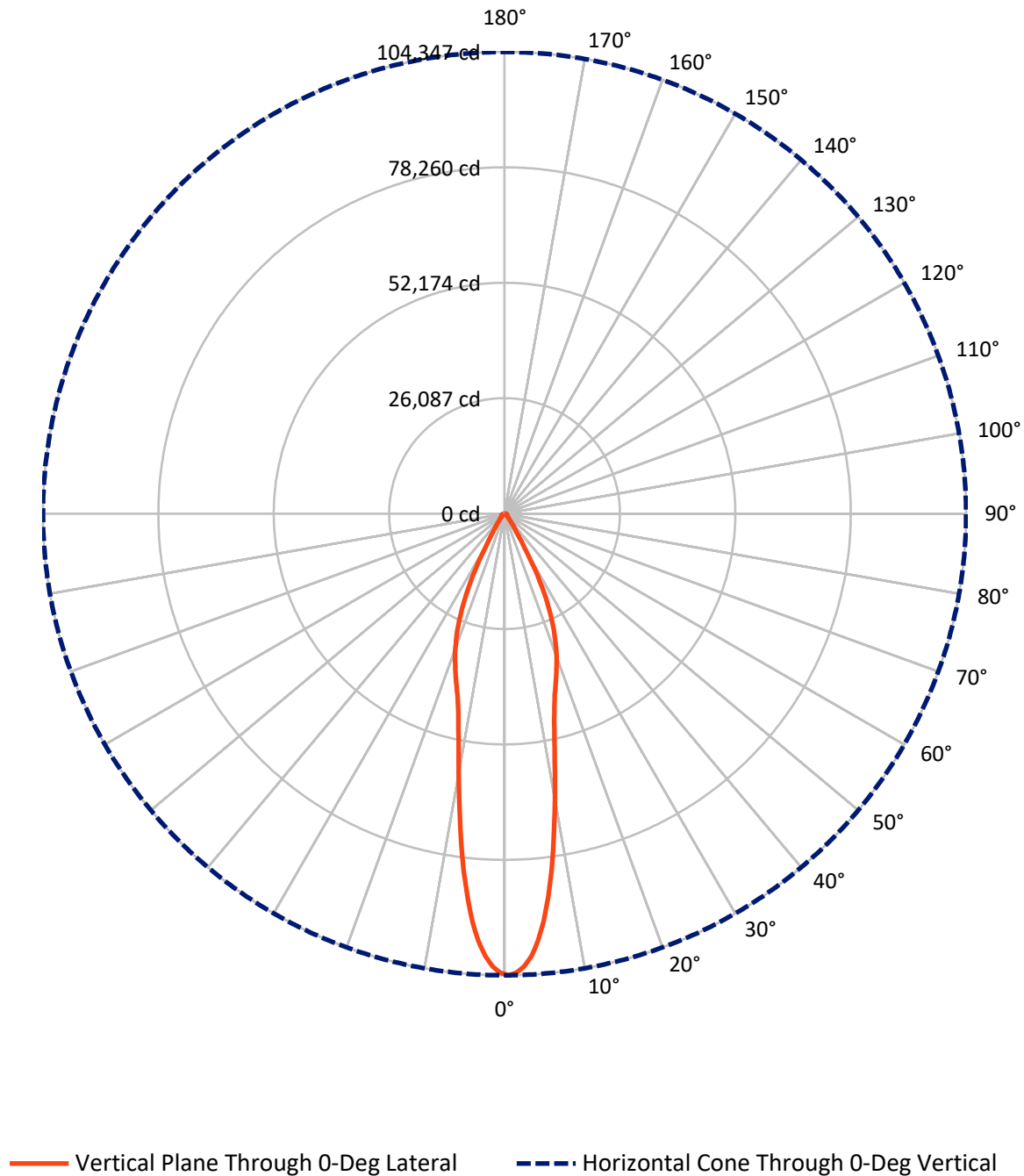


Based on 30 foot mounting height. Maximum calculated value = 115.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17407.2	0.0	17407.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17407.2	0.0	17407.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	34814.3	0.0	34814.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7811.2	22.4
10°-20°	12181.9	35.0
20°-30°	9871.4	28.4
30°-40°	2395.8	6.9
40°-50°	806.3	2.3
50°-60°	637.2	1.8
60°-70°	635.5	1.8
70°-80°	350.7	1.0
80°-90°	124.3	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°	34814.3	100.0
0°-180°	34814.3	100.0

Coefficient of Utilization



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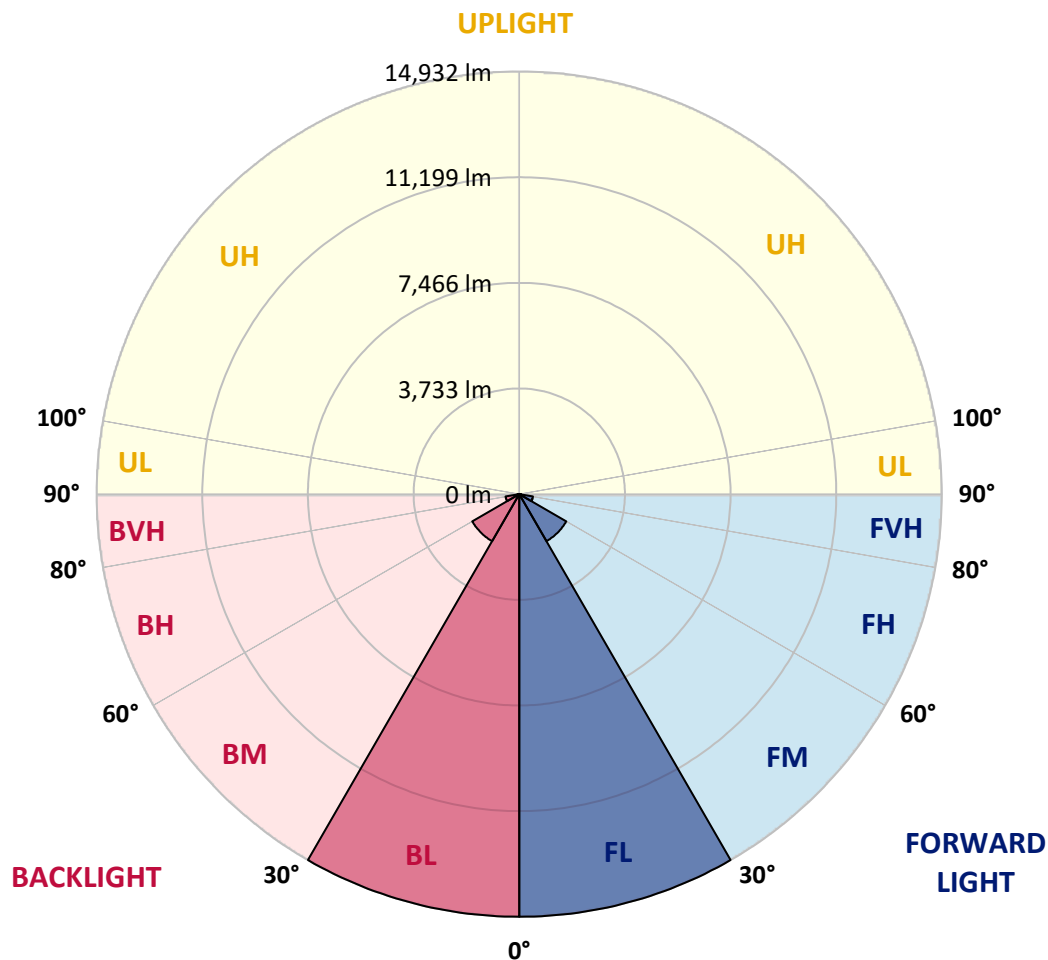
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14932.3	42.9			
FM	(30°-60°)	1919.6	5.5			
FH	(60°-80°)	493.1	1.4			G0/660
FVH	(80°-90°)	62.2	0.2			G1/100
BL	(0°-30°)	14932.3	42.9	B5		
BM	(30°-60°)	1919.6	5.5	B2/2500		
BH	(60°-80°)	493.1	1.4	B1/500		G0/660
BVH	(80°-90°)	62.2	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



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CANDELA DISTRIBUTION (FULL):

0°	
0°	104347.3
1°	103804.1
2°	102408.1
3°	100093.4
4°	96768.4
5°	92479.0
6°	87225.1
7°	81351.9
8°	74976.1
9°	68559.7
10°	62422.6
11°	56899.6
12°	52062.0
13°	48087.3
14°	44919.7
15°	42427.2
17.5°	37812.9
20°	33518.4
22.5°	28487.9
25°	22645.1
27.5°	15985.1
30°	8685.5
32.5°	4995.0
35°	3335.1
37.5°	2274.2
40°	1619.3
42.5°	1253.8
45°	979.7
47.5°	802.0
50°	736.1
52.5°	700.5
55°	685.3
57.5°	710.7
60°	751.3
62.5°	736.1
65°	654.8
67.5°	563.5
70°	477.2
72.5°	395.9
75°	324.9
77.5°	264.0
80°	213.2
82.5°	172.6
85°	132.0
87.5°	45.7

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)