

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: P636192

Luminaire Tested: **IFLD-S-SA3B-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636192
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10812.4 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

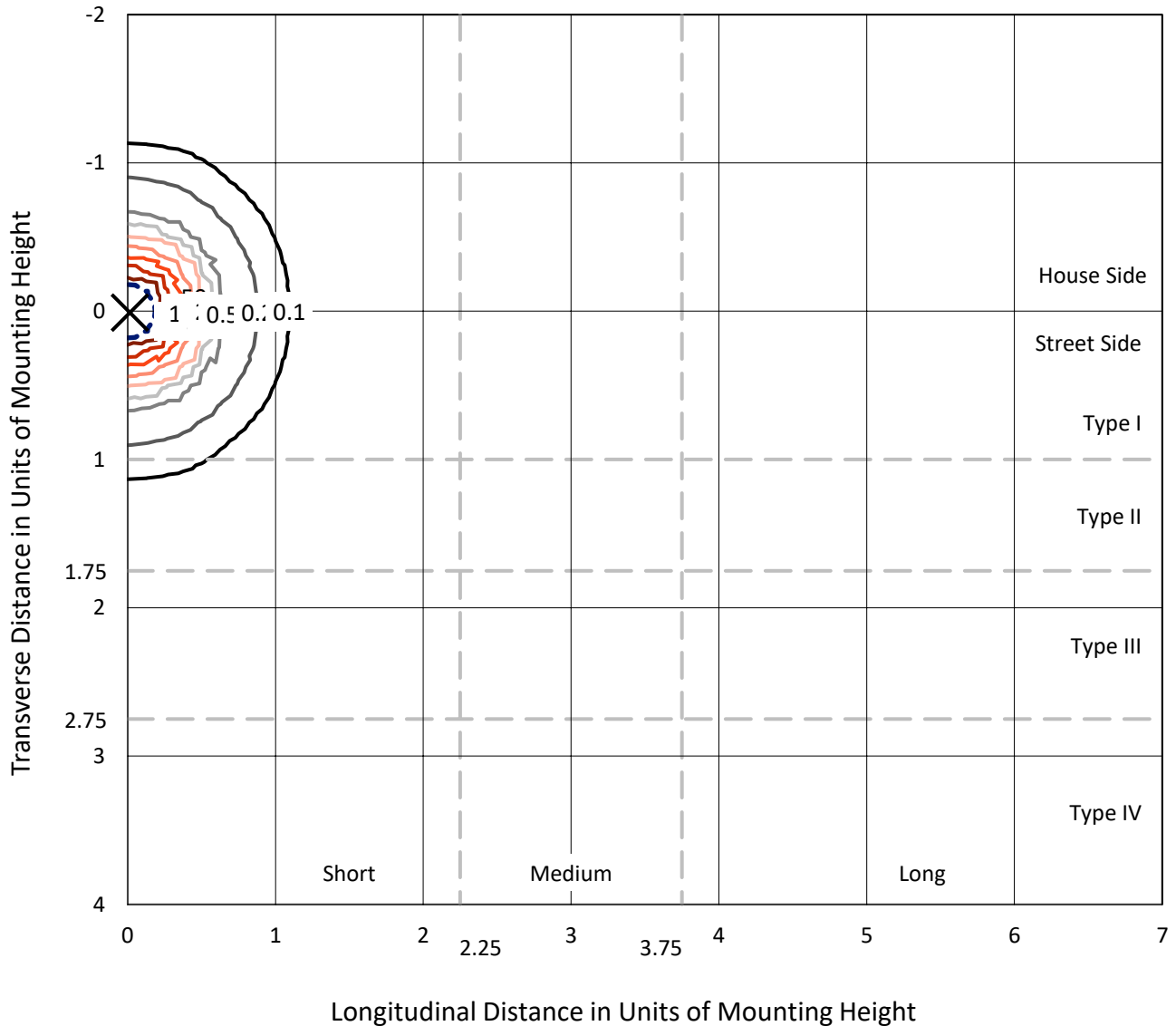
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

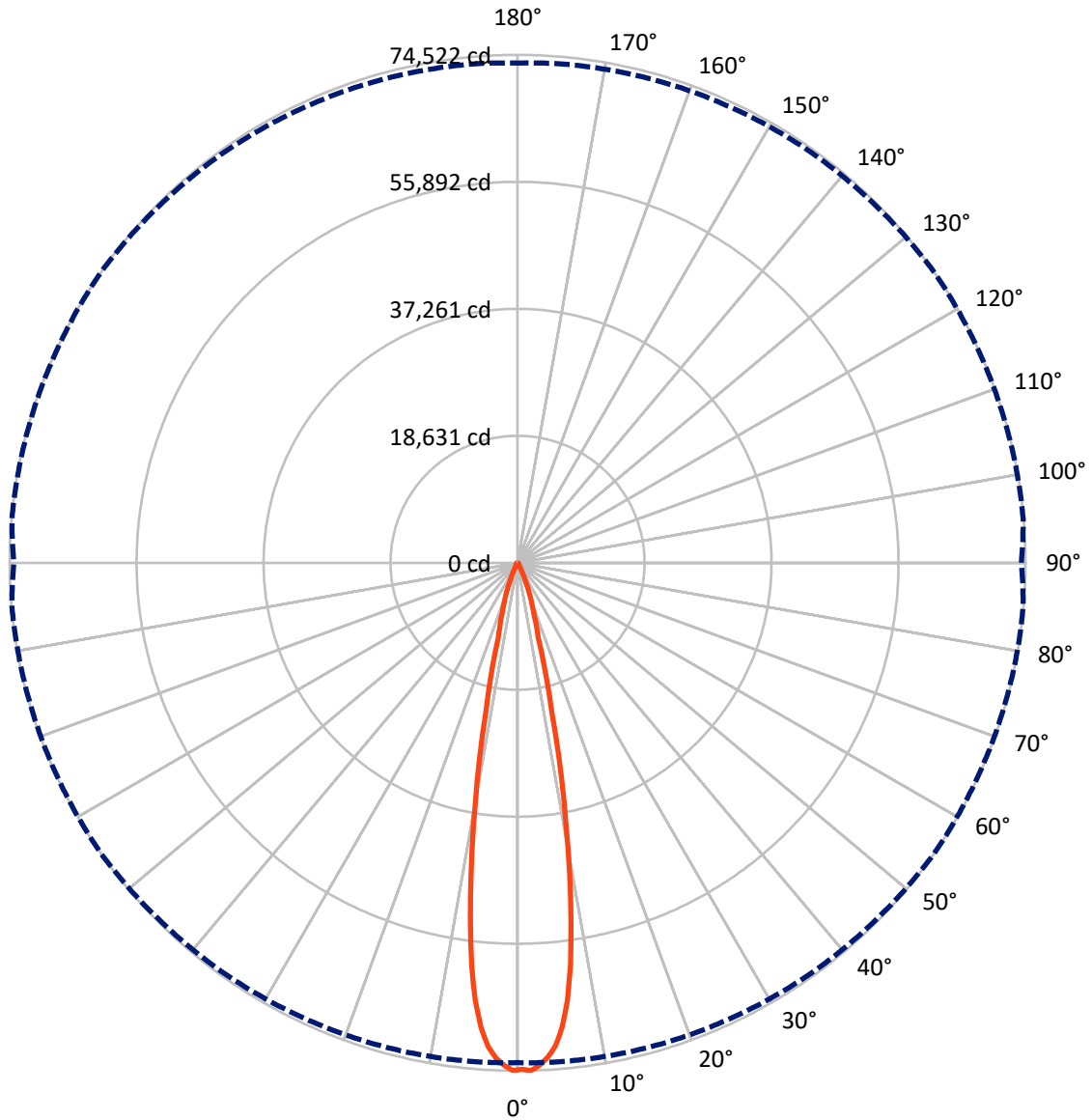
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 185.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5406.2	0.0	5406.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5406.2	0.0	5406.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10812.4	0.0	10812.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5493.5	50.8
10°-20°	3893.3	36.0
20°-30°	912.3	8.4
30°-40°	190.7	1.8
40°-50°	123.0	1.1
50°-60°	91.1	0.8
60°-70°	61.9	0.6
70°-80°	33.1	0.3
80°-90°	13.5	0.1
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°	10812.4	100.0
0°-180°	10812.4	100.0

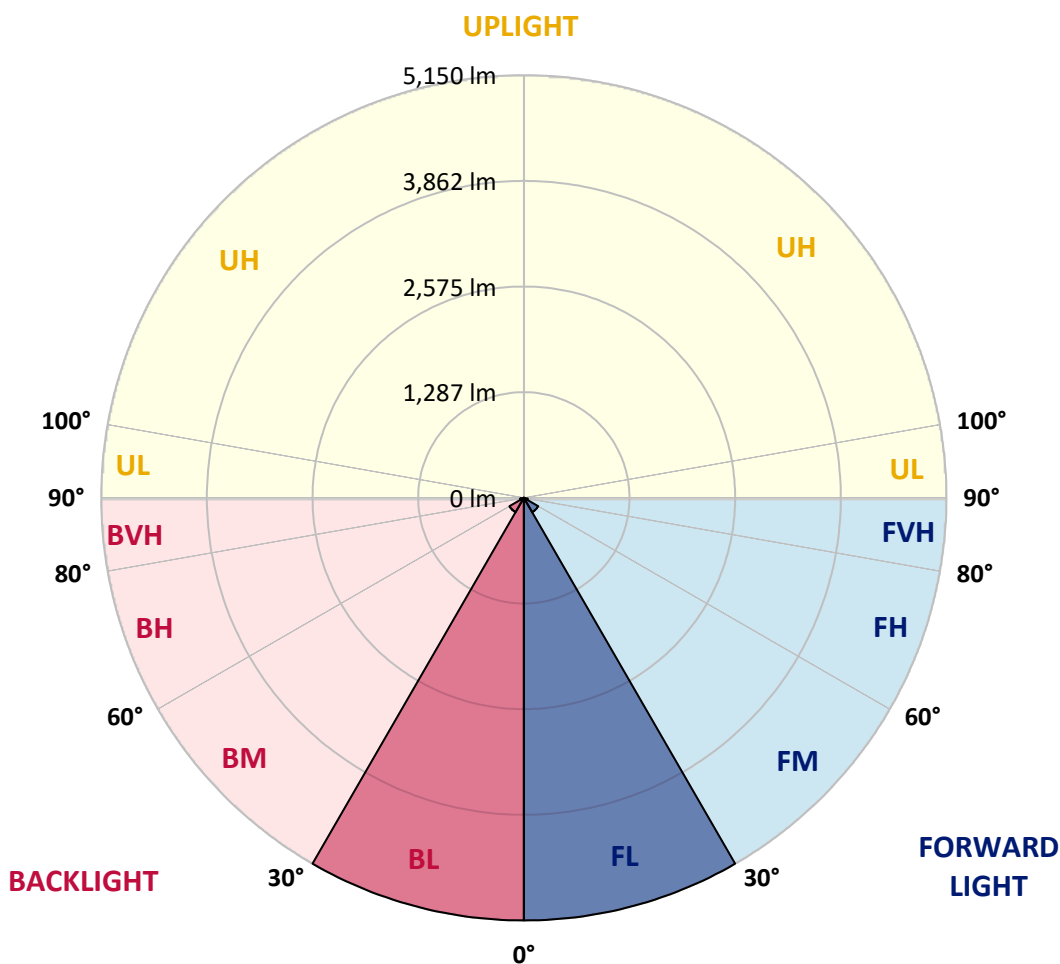


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5149.5	47.6			
FM (30°-60°)	202.4	1.9			
FH (60°-80°)	47.5	0.4			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	5149.5	47.6	B5		
BM (30°-60°)	202.4	1.9	B0/220		
BH (60°-80°)	47.5	0.4	B0/110		G0/660
BVH (80°-90°)	6.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	74331.1	74331.1	74331.1	74331.1	74331.1	74331.1	74331.1	74331.1	74331.1	74331.1
1°	73331.1	73466.8	73633.2	73784.2	74011.8	74197.3	74522.3	74453.5	74443.9	74457.3
2°	71910.3	72080.5	72336.7	72487.8	73074.8	73315.8	73807.2	73952.5	73835.9	73967.8
3°	69782.1	69921.7	70323.2	70619.6	71380.7	72030.8	72688.6	72906.6	72770.8	72832.0
4°	67248.5	67391.9	67877.6	68481.8	69581.3	70302.2	71090.0	71285.0	70841.4	70872.0
5°	64233.0	64300.0	64894.6	65445.3	66760.9	67634.7	68382.4	68443.6	68038.2	67883.3
6°	60840.9	60720.4	61267.3	61500.6	63135.5	64026.5	64573.4	64502.6	64194.8	64062.8
7°	56810.1	56645.6	57087.3	56961.1	58408.6	58917.2	59443.1	59202.2	58957.4	59261.4
8°	52146.3	52054.5	51769.6	52285.9	52572.7	53027.8	53025.9	52886.3	52878.7	53385.4
9°	45365.8	46212.9	45962.4	46503.6	46430.9	46409.9	46270.3	46180.4	45798.0	46381.2
10°	37919.9	38474.4	38897.0	39703.9	39547.1	39768.9	38992.6	39124.6	38870.2	39352.1
12.5°	19628.2	20251.6	20616.8	21232.5	21909.4	22601.6	22377.9	22146.6	21800.5	22224.9
15°	9662.1	9908.8	10025.4	10650.7	11132.6	11306.6	11333.3	11128.7	11040.8	11132.6
17.5°	5929.6	6015.6	6354.1	7073.1	7489.9	7593.2	7526.2	7302.5	7052.0	6946.9
20°	4292.8	4317.6	4445.8	4585.3	5141.8	5432.4	5325.3	5105.4	4874.1	4765.1
22.5°	2803.2	2828.1	2870.1	2946.6	3095.8	3455.3	3338.6	3189.5	3032.7	3000.2
25°	1587.1	1587.1	1631.1	1709.5	1820.4	1847.1	1870.1	1711.4	1638.7	1606.2
27.5°	885.3	891.1	900.6	931.2	986.7	980.9	956.1	914.0	864.3	812.7
30°	489.5	495.2	501.0	508.6	518.2	501.0	485.7	478.0	457.0	451.3
32.5°	367.1	367.1	371.0	369.0	359.5	338.5	328.9	340.4	338.5	328.9
35°	302.1	302.1	305.9	313.6	294.5	279.2	271.5	286.8	286.8	281.1
37.5°	246.7	248.6	250.5	260.1	254.3	237.1	235.2	239.0	240.9	239.0
40°	216.1	214.2	214.2	216.1	212.2	208.4	204.6	202.7	204.6	202.7
42.5°	187.4	185.5	189.3	185.5	177.8	179.7	179.7	174.0	175.9	172.1
45°	164.4	162.5	164.4	160.6	154.9	156.8	156.8	149.1	149.1	147.2
47.5°	145.3	145.3	145.3	147.2	137.7	135.8	137.7	135.8	130.0	128.1
50°	126.2	128.1	130.0	133.9	124.3	120.5	120.5	120.5	116.6	114.7
52.5°	116.6	118.6	118.6	118.6	112.8	109.0	109.0	107.1	105.2	103.3
55°	112.8	112.8	112.8	105.2	103.3	101.3	95.6	93.7	91.8	91.8
57.5°	107.1	107.1	105.2	99.4	93.7	93.7	86.0	84.1	82.2	82.2
60°	95.6	95.6	95.6	93.7	86.0	84.1	76.5	72.7	70.7	70.7
62.5°	88.0	88.0	88.0	80.3	78.4	72.7	66.9	61.2	59.3	55.5
65°	80.3	80.3	80.3	72.7	68.8	63.1	55.5	49.7	45.9	40.2
67.5°	74.6	74.6	72.7	66.9	61.2	53.5	45.9	40.2	32.5	28.7
70°	65.0	65.0	63.1	59.3	53.5	47.8	38.2	30.6	24.9	19.1
72.5°	55.5	55.5	53.5	49.7	45.9	40.2	32.5	26.8	17.2	13.4
75°	45.9	45.9	44.0	40.2	38.2	34.4	28.7	21.0	13.4	5.7
77.5°	38.2	38.2	36.3	34.4	32.5	28.7	24.9	17.2	9.6	3.8
80°	28.7	30.6	30.6	30.6	26.8	24.9	22.9	17.2	7.6	1.9
82.5°	21.0	22.9	22.9	22.9	21.0	19.1	21.0	15.3	7.6	1.9
85°	15.3	15.3	17.2	17.2	17.2	17.2	22.9	17.2	5.7	1.9
87.5°	7.6	7.6	7.6	7.6	7.6	9.6	11.5	9.6	3.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
74331.1
73923.8
73466.8
72373.1
70416.9
67560.2
63766.5
59167.7
51980.0
45293.2
38116.9
21075.7
10704.2
6799.6
4680.9
2933.2
1579.4
814.6
451.3
323.2
279.2
239.0
204.6
174.0
147.2
128.1
112.8
101.3
89.9
82.2
68.8
51.6
40.2
26.8
19.1
11.5
5.7
1.9
1.9
1.9
1.9
0.0
0.0

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