

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: P636164

Luminaire Tested: **IFLD-S-SA3C-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636164
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12973.1 lumens
Efficiency: N/A
Efficacy: 80.7 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

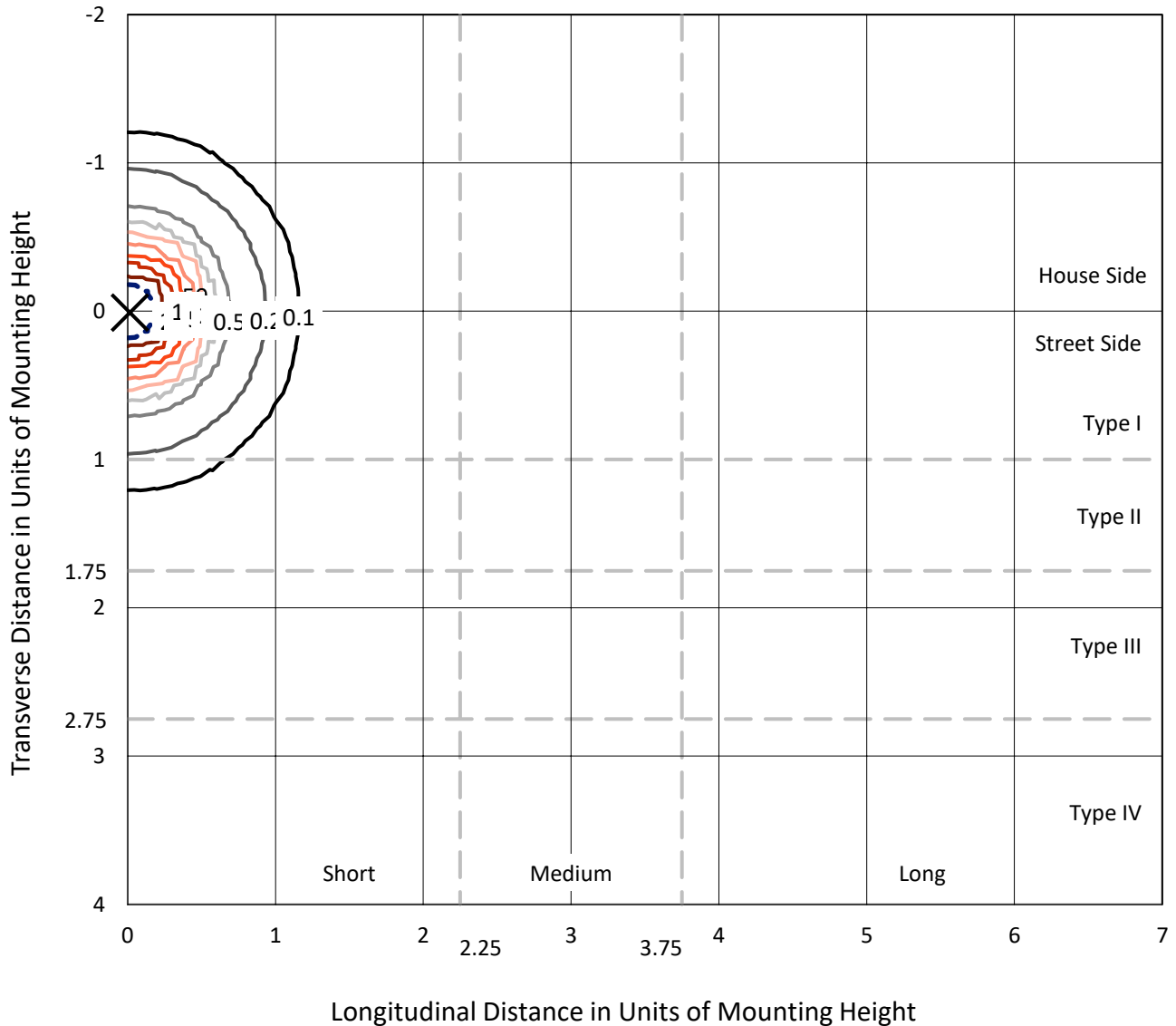
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

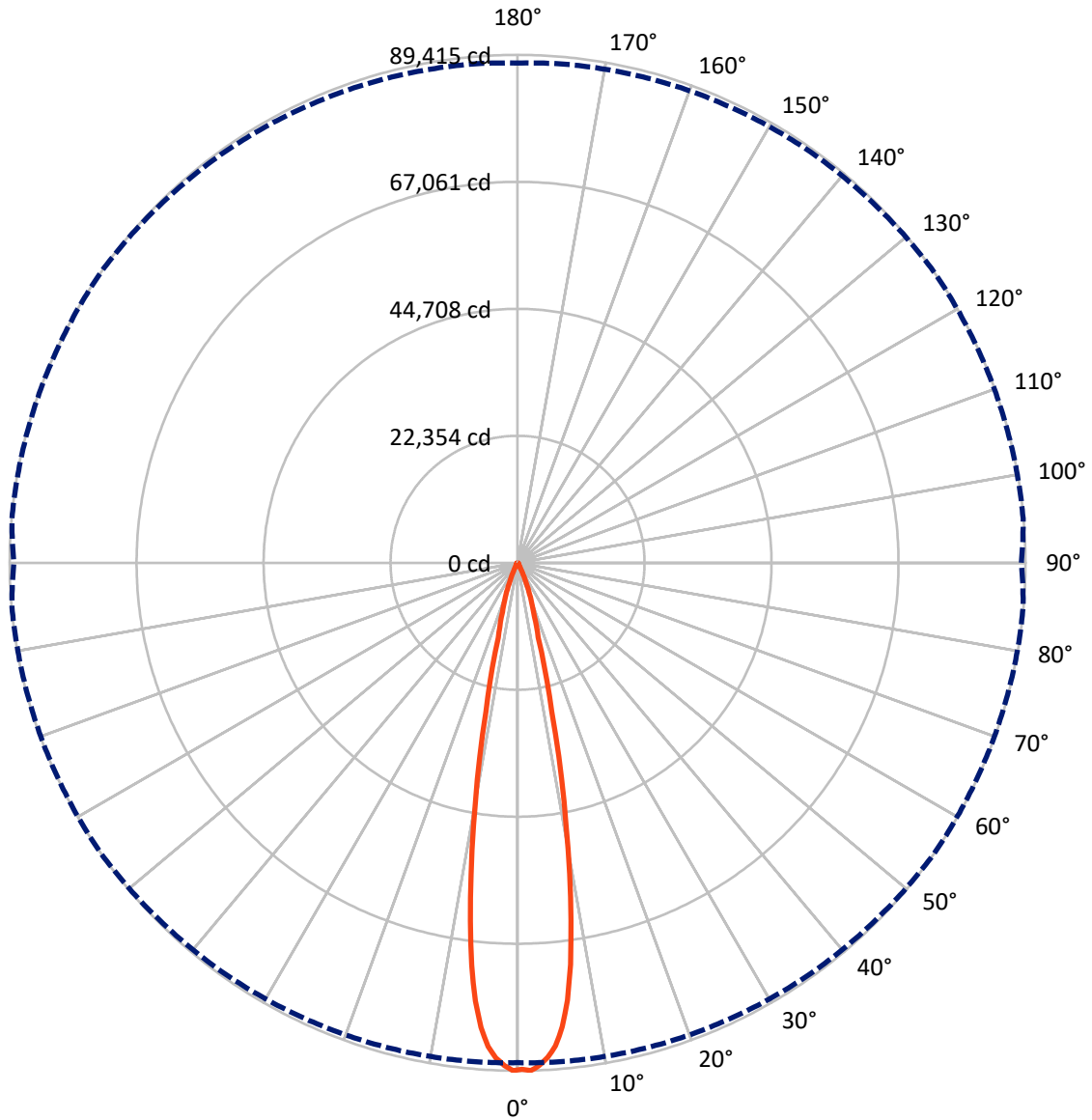
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 223 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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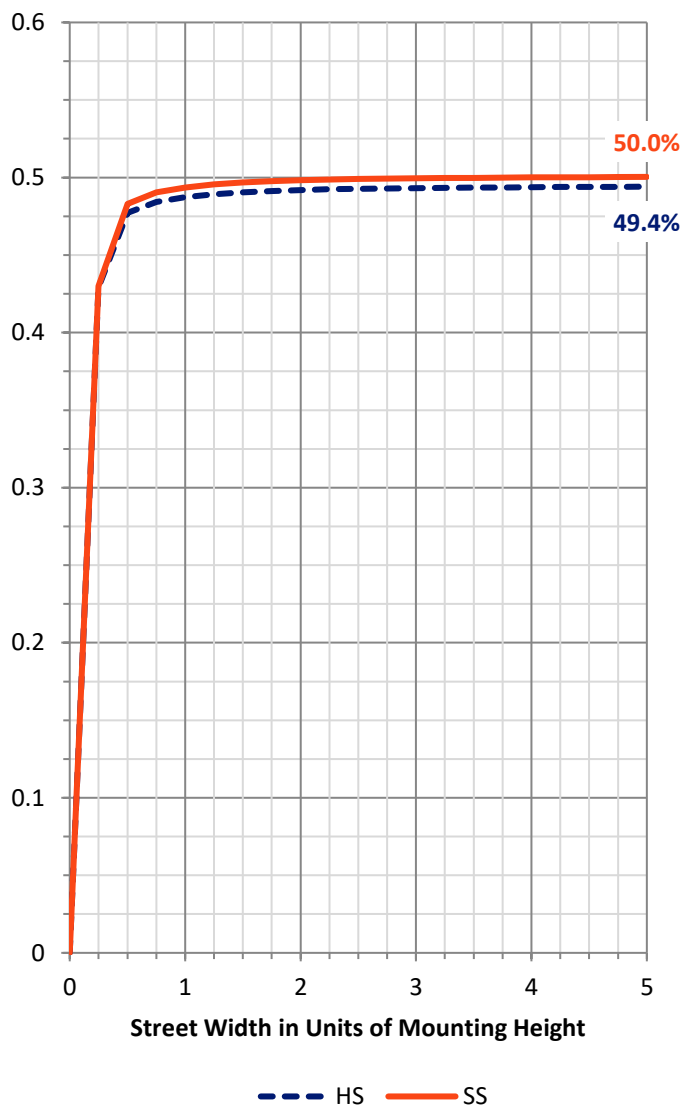
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6486.6	0.0	6486.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6486.6	0.0	6486.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12973.1	0.0	12973.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6591.3	50.8
10°-20°	4671.3	36.0
20°-30°	1094.6	8.4
30°-40°	228.8	1.8
40°-50°	147.6	1.1
50°-60°	109.3	0.8
60°-70°	74.3	0.6
70°-80°	39.7	0.3
80°-90°	16.2	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°	12973.1	100.0
0°-180°	12973.1	100.0

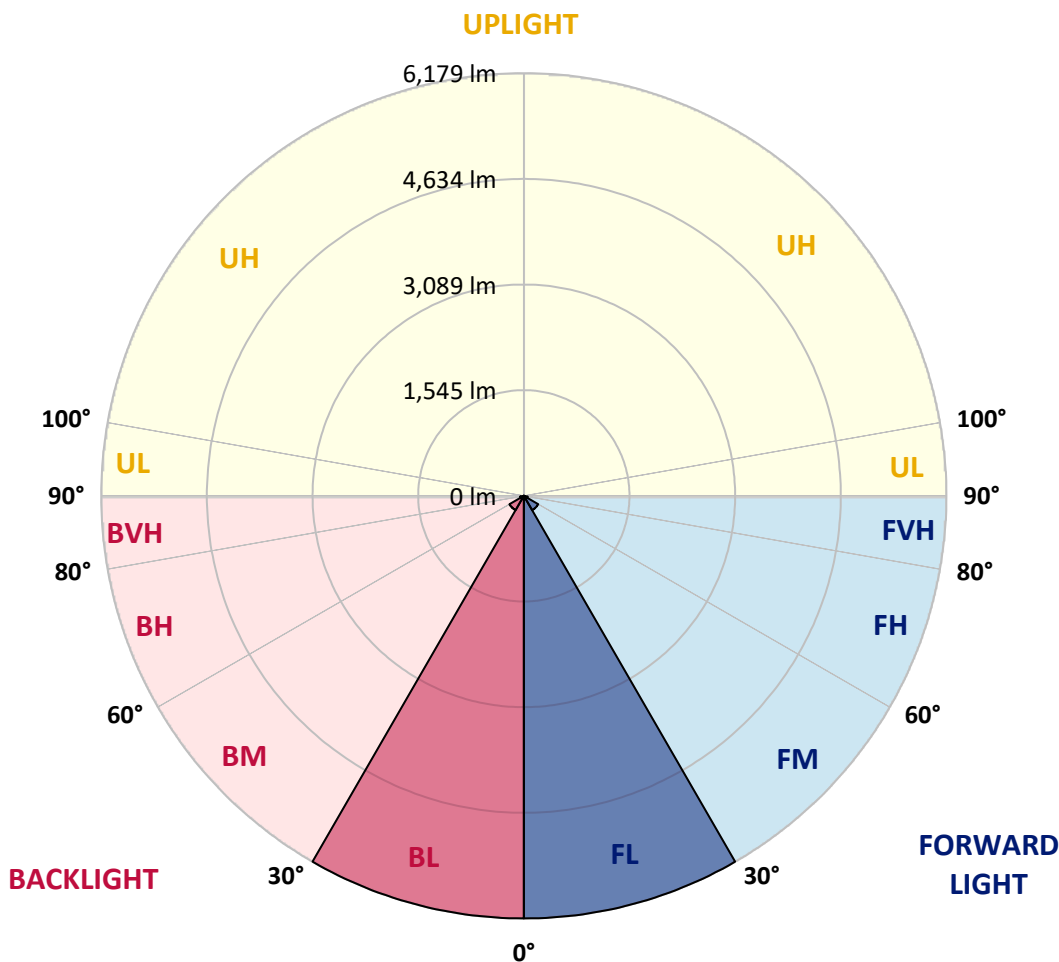


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6178.6	47.6			
FM (30°-60°)	242.8	1.9			
FH (60°-80°)	57.0	0.4			G0/660
FVH (80°-90°)	8.1	0.1			G0/10
BL (0°-30°)	6178.6	47.6	B5		
BM (30°-60°)	242.8	1.9	B1/1000		
BH (60°-80°)	57.0	0.4	B0/110		G0/660
BVH (80°-90°)	8.1	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°	89185.7	89185.7	89185.7	89185.7	89185.7	89185.7	89185.7	89185.7	89185.7	89185.7
1°	87985.7	88148.6	88348.2	88529.5	88802.5	89025.1	89415.1	89332.5	89321.0	89337.1
2°	86281.1	86485.3	86792.7	86974.0	87678.3	87967.4	88557.0	88731.4	88591.4	88749.7
3°	83727.6	83895.0	84376.8	84732.5	85645.6	86425.6	87214.9	87476.4	87313.5	87386.9
4°	80687.6	80859.7	81442.5	82167.4	83486.7	84351.6	85296.8	85530.9	84998.6	85035.3
5°	77069.5	77149.8	77863.4	78524.1	80102.6	81151.1	82048.1	82121.6	81635.2	81449.3
6°	72999.5	72855.0	73511.1	73791.0	75752.6	76821.8	77477.9	77393.0	77023.7	76865.4
7°	68163.1	67965.8	68495.8	68344.4	70081.2	70691.4	71322.4	71033.3	70739.6	71104.4
8°	62567.4	62457.3	62115.4	62734.9	63079.0	63625.1	63622.8	63455.3	63446.1	64054.1
9°	54431.9	55448.2	55147.7	55797.0	55709.8	55684.5	55517.1	55409.2	54950.4	55650.1
10°	45497.9	46163.3	46670.3	47638.5	47450.4	47716.5	46785.0	46943.3	46638.2	47216.3
12.5°	23550.8	24298.7	24737.0	25475.7	26287.9	27118.4	26850.0	26572.4	26157.1	26666.4
15°	11593.0	11889.0	12028.9	12779.2	13357.3	13566.1	13598.2	13352.7	13247.2	13357.3
17.5°	7114.6	7217.8	7623.9	8486.6	8986.7	9110.6	9030.3	8761.9	8461.3	8335.1
20°	5150.7	5180.5	5334.2	5501.7	6169.3	6518.1	6389.6	6125.7	5848.1	5717.4
22.5°	3363.4	3393.2	3443.7	3535.5	3714.4	4145.8	4005.8	3826.9	3638.7	3599.7
25°	1904.3	1904.3	1957.0	2051.1	2184.2	2216.3	2243.8	2053.4	1966.2	1927.2
27.5°	1062.3	1069.1	1080.6	1117.3	1183.8	1177.0	1147.1	1096.7	1037.0	975.1
30°	587.3	594.2	601.1	610.3	621.8	601.1	582.7	573.6	548.3	541.5
32.5°	440.5	440.5	445.1	442.8	431.3	406.1	394.6	408.4	406.1	394.6
35°	362.5	362.5	367.1	376.3	353.3	335.0	325.8	344.1	344.1	337.3
37.5°	296.0	298.3	300.6	312.0	305.1	284.5	282.2	286.8	289.1	286.8
40°	259.3	257.0	257.0	259.3	254.7	250.1	245.5	243.2	245.5	243.2
42.5°	224.8	222.5	227.1	222.5	213.4	215.7	215.7	208.8	211.1	206.5
45°	197.3	195.0	197.3	192.7	185.8	188.1	188.1	179.0	179.0	176.7
47.5°	174.4	174.4	174.4	176.7	165.2	162.9	165.2	162.9	156.0	153.7
50°	151.4	153.7	156.0	160.6	149.1	144.5	144.5	144.5	140.0	137.7
52.5°	140.0	142.2	142.2	142.2	135.4	130.8	130.8	128.5	126.2	123.9
55°	135.4	135.4	135.4	126.2	123.9	121.6	114.7	112.4	110.1	110.1
57.5°	128.5	128.5	126.2	119.3	112.4	112.4	103.2	100.9	98.7	98.7
60°	114.7	114.7	114.7	112.4	103.2	100.9	91.8	87.2	84.9	84.9
62.5°	105.5	105.5	105.5	96.4	94.1	87.2	80.3	73.4	71.1	66.5
65°	96.4	96.4	96.4	87.2	82.6	75.7	66.5	59.7	55.1	48.2
67.5°	89.5	89.5	87.2	80.3	73.4	64.2	55.1	48.2	39.0	34.4
70°	78.0	78.0	75.7	71.1	64.2	57.4	45.9	36.7	29.8	22.9
72.5°	66.5	66.5	64.2	59.7	55.1	48.2	39.0	32.1	20.6	16.1
75°	55.1	55.1	52.8	48.2	45.9	41.3	34.4	25.2	16.1	6.9
77.5°	45.9	45.9	43.6	41.3	39.0	34.4	29.8	20.6	11.5	4.6
80°	34.4	36.7	36.7	36.7	32.1	29.8	27.5	20.6	9.2	2.3
82.5°	25.2	27.5	27.5	27.5	25.2	22.9	25.2	18.4	9.2	2.3
85°	18.4	18.4	20.6	20.6	20.6	20.6	27.5	20.6	6.9	2.3
87.5°	9.2	9.2	9.2	9.2	9.2	11.5	13.8	11.5	4.6	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°
89185.7
88697.0
88148.6
86836.3
84489.3
81061.6
76509.7
70992.0
62367.8
54344.7
45734.2
25287.6
12843.4
8158.5
5616.4
3519.4
1895.1
977.4
541.5
387.7
335.0
286.8
245.5
208.8
176.7
153.7
135.4
121.6
107.8
98.7
82.6
61.9
48.2
32.1
22.9
13.8
6.9
2.3
2.3
2.3
2.3
0.0
0.0

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