

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: P636019

Luminaire Tested: **IFLD-S-SA3C-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636019
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12881.6 lumens
Efficiency: N/A
Efficacy: 80.1 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

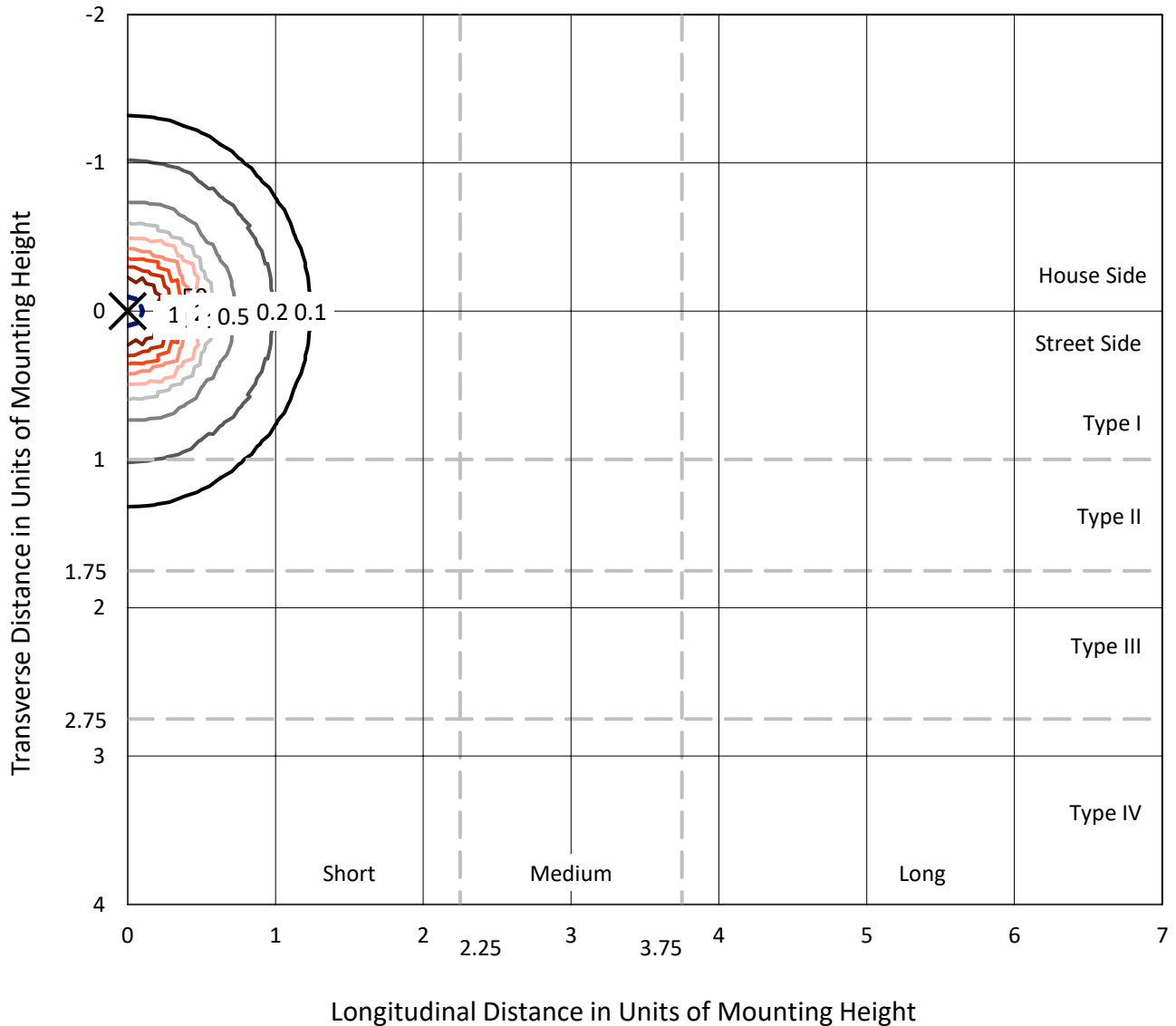
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

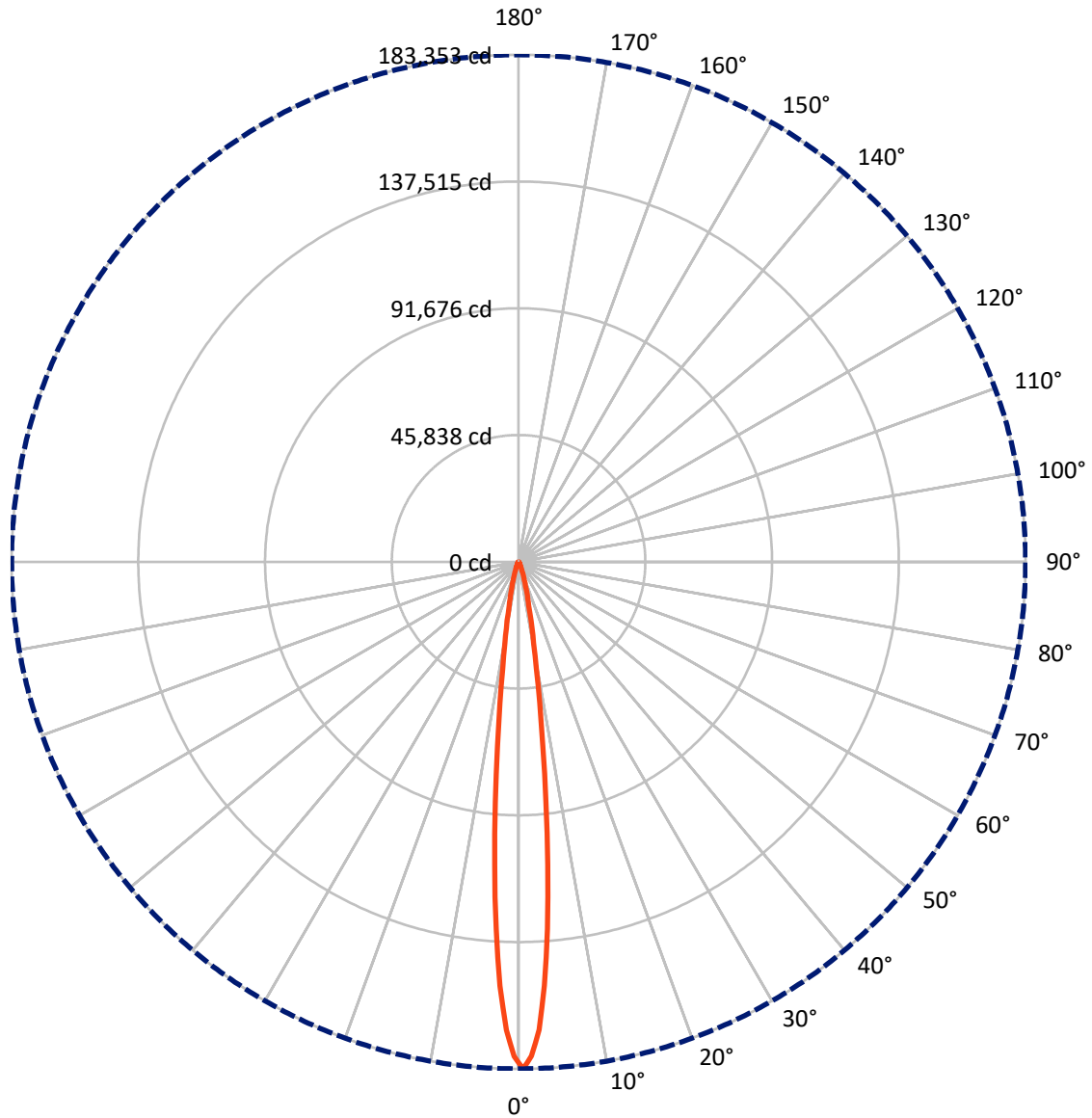
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 458.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6440.8	0.0	6440.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6440.8	0.0	6440.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12881.6	0.0	12881.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7852.4	61.0
10°-20°	3517.9	27.3
20°-30°	785.6	6.1
30°-40°	256.4	2.0
40°-50°	176.9	1.4
50°-60°	133.6	1.0
60°-70°	91.4	0.7
70°-80°	48.2	0.4
80°-90°	19.2	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°	12881.6	100.0
0°-180°	12881.6	100.0

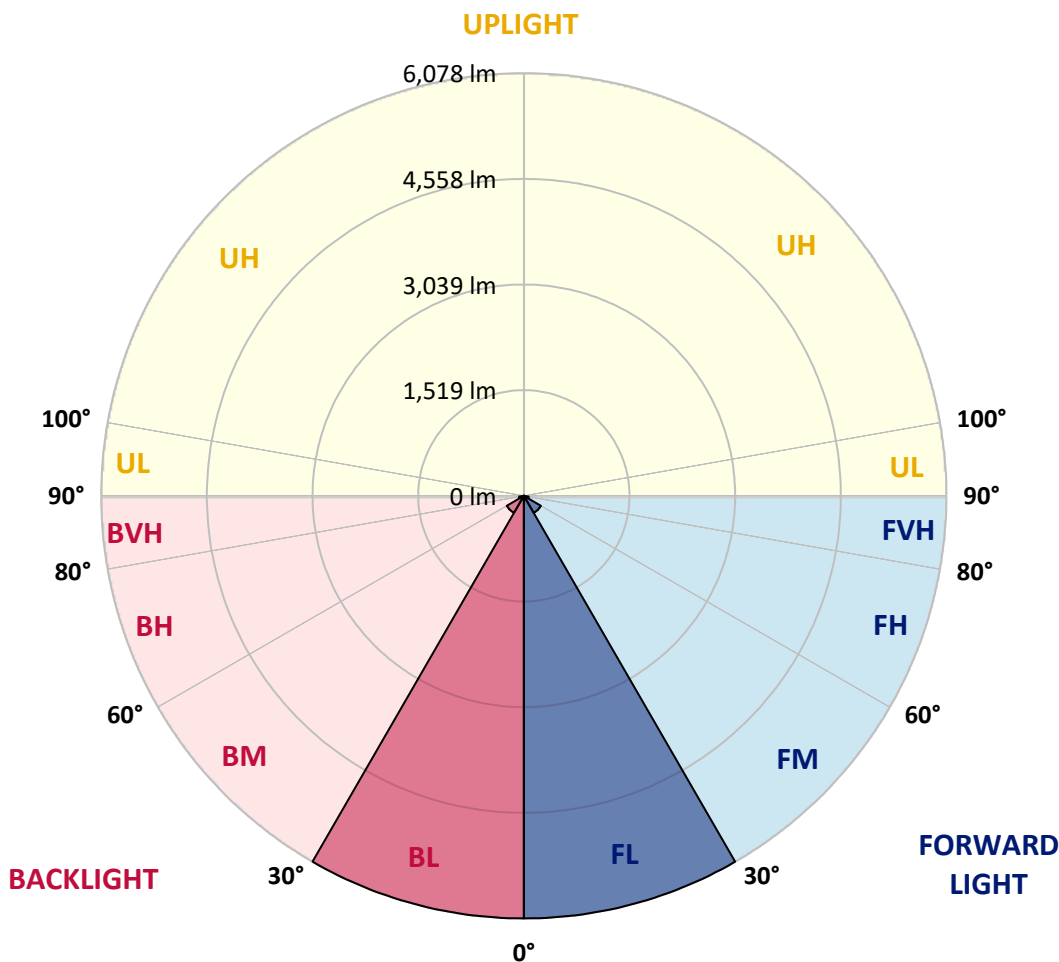


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6078.0	47.2			
FM (30°-60°)	283.4	2.2			
FH (60°-80°)	69.8	0.5			G0/660
FVH (80°-90°)	9.6	0.1			G0/10
BL (0°-30°)	6078.0	47.2	B5		
BM (30°-60°)	283.4	2.2	B1/1000		
BH (60°-80°)	69.8	0.5	B0/110		G0/660
BVH (80°-90°)	9.6	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°	183352.9	183352.9	183352.9	183352.9	183352.9	183352.9	183352.9	183352.9	183352.9	183352.9
1°	178800.7	179043.9	178773.2	180140.7	180705.1	180998.8	181033.2	181804.1	181209.9	181375.1
2°	169377.3	169918.8	169012.5	169889.0	171642.0	172305.1	171224.4	172559.7	172082.5	172360.1
3°	153543.2	154206.3	152953.5	154025.1	156280.5	156785.3	155014.0	156911.5	156863.3	157262.6
4°	133134.0	134210.1	132420.4	133689.2	134687.3	136444.9	134728.6	136887.7	136846.4	137539.3
5°	109966.8	111130.1	109574.4	110891.4	111836.8	112490.7	111862.0	114250.5	114402.0	115117.8
6°	87297.5	88382.7	86645.8	87903.2	89401.5	89669.9	89507.0	91562.9	92019.5	91461.9
7°	67184.2	67454.9	67181.9	68324.5	69526.8	69570.4	69781.5	71589.6	71991.1	71798.4
8°	51453.4	50214.3	51279.0	51884.7	52256.4	53963.5	54089.7	55000.6	55739.4	55792.2
9°	39166.5	38019.3	39251.4	39492.3	40345.9	41862.5	41672.1	42667.8	43131.3	43101.5
10°	29860.2	29277.4	29894.6	30160.7	30862.8	32147.7	32370.3	32826.9	33171.1	33395.9
12.5°	16203.5	16338.9	16696.8	16976.7	17922.1	18263.9	18401.6	18440.6	18438.3	18475.0
15°	10065.8	10175.9	10426.0	10933.1	11509.0	11933.5	11993.2	11772.9	11582.5	11552.6
17.5°	6277.7	6234.1	6821.4	7376.7	8069.6	8289.9	8060.5	7808.1	7548.8	7399.6
20°	3767.5	3797.3	3997.0	4244.8	4804.6	5185.5	4946.9	4689.9	4421.4	4244.8
22.5°	2140.7	2172.9	2260.0	2388.5	2601.9	2948.4	2797.0	2537.7	2347.2	2269.2
25°	1264.2	1264.2	1317.0	1374.4	1463.9	1544.2	1512.1	1374.4	1262.0	1229.8
27.5°	819.1	812.2	830.6	858.1	899.4	904.0	867.3	826.0	768.6	748.0
30°	598.9	601.1	598.9	610.3	608.0	592.0	569.0	571.3	548.4	546.1
32.5°	486.4	488.7	488.7	486.4	475.0	449.7	433.7	449.7	445.1	440.5
35°	403.8	406.1	429.1	426.8	408.4	380.9	369.4	387.8	401.5	380.9
37.5°	348.8	351.1	369.4	378.6	355.6	337.3	323.5	339.6	360.2	337.3
40°	307.5	309.8	314.3	316.6	305.2	296.0	289.1	293.7	302.9	291.4
42.5°	270.7	268.5	270.7	268.5	254.7	259.3	254.7	247.8	254.7	245.5
45°	236.3	236.3	236.3	229.4	215.7	224.9	220.3	213.4	215.7	208.8
47.5°	215.7	215.7	215.7	206.5	195.0	195.0	197.3	185.9	188.1	185.9
50°	195.0	195.0	199.6	190.4	181.3	174.4	176.7	167.5	169.8	167.5
52.5°	179.0	179.0	179.0	174.4	167.5	162.9	158.3	153.7	151.4	149.1
55°	172.1	172.1	169.8	156.0	153.7	149.1	140.0	137.7	133.1	130.8
57.5°	160.6	160.6	158.3	146.8	137.7	137.7	123.9	121.6	114.7	114.7
60°	142.3	142.3	140.0	137.7	126.2	119.3	110.1	105.5	98.7	96.4
62.5°	135.4	135.4	130.8	119.3	117.0	105.5	96.4	87.2	82.6	78.0
65°	126.2	123.9	121.6	110.1	101.0	94.1	82.6	71.1	66.5	57.4
67.5°	112.4	112.4	110.1	101.0	91.8	80.3	68.8	59.7	48.2	41.3
70°	98.7	96.4	96.4	87.2	80.3	71.1	55.1	45.9	34.4	27.5
72.5°	82.6	82.6	80.3	73.4	68.8	62.0	48.2	36.7	22.9	18.4
75°	66.5	66.5	64.2	59.7	57.4	50.5	41.3	32.1	18.4	9.2
77.5°	55.1	52.8	52.8	48.2	45.9	41.3	34.4	25.2	13.8	6.9
80°	41.3	41.3	43.6	41.3	36.7	34.4	29.8	22.9	11.5	4.6
82.5°	29.8	29.8	32.1	32.1	32.1	29.8	29.8	22.9	11.5	2.3
85°	20.7	20.7	25.2	22.9	22.9	25.2	36.7	29.8	9.2	2.3
87.5°	11.5	11.5	11.5	9.2	9.2	11.5	13.8	11.5	4.6	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
183352.9
180161.3
171368.9
156191.0
136323.3
113750.3
91519.3
71534.5
55126.8
43803.6
33529.0
18504.9
11460.8
7376.7
4283.8
2278.4
1225.2
748.0
543.8
431.4
376.3
335.0
286.8
245.5
208.8
185.9
167.5
149.1
128.5
114.7
91.8
75.7
55.1
41.3
27.5
16.1
9.2
4.6
2.3
2.3
2.3
2.3
0.0

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