

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: P636039

Luminaire Tested: **IFLD-L-SA8C-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636039
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30810.8 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

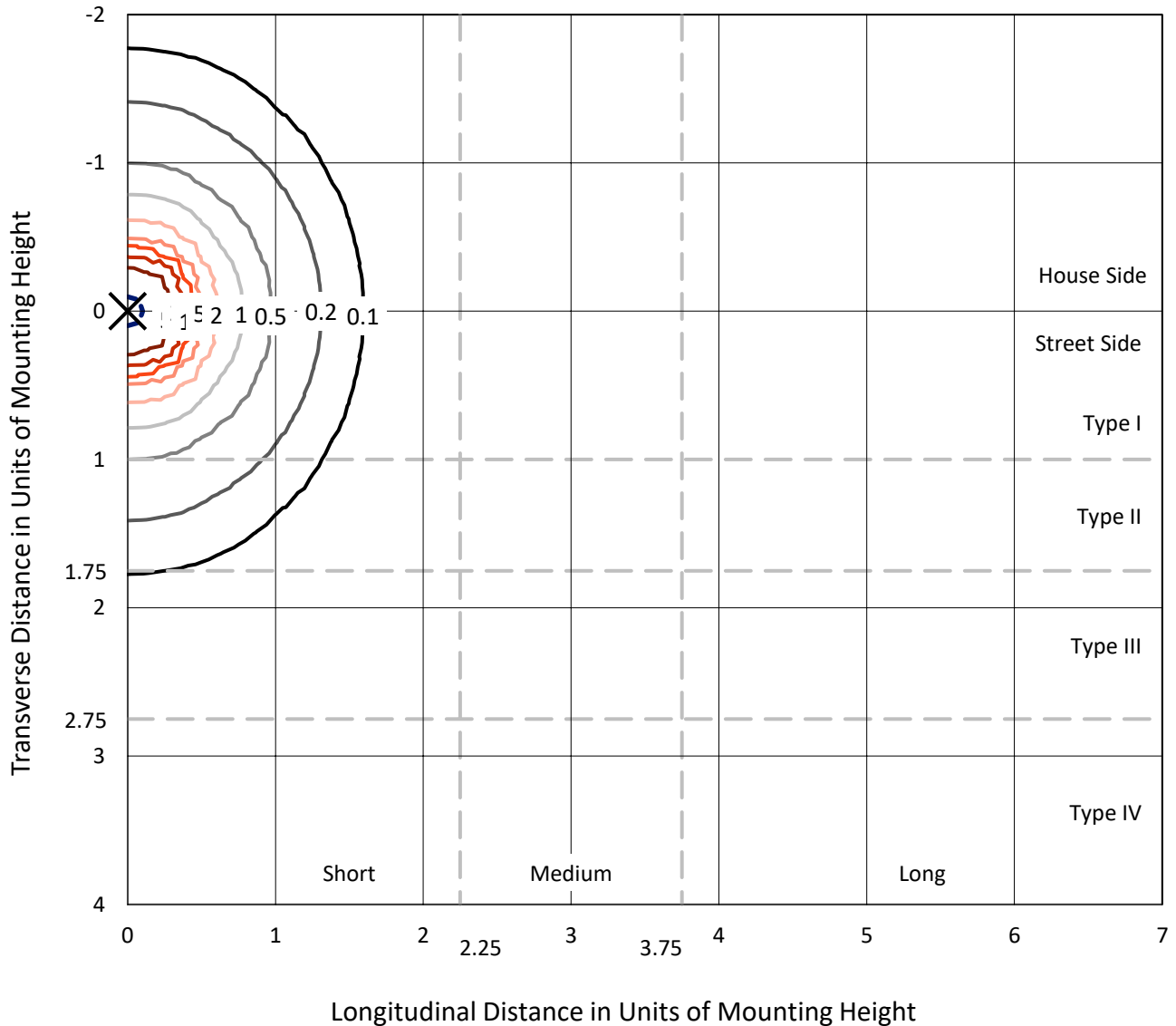
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

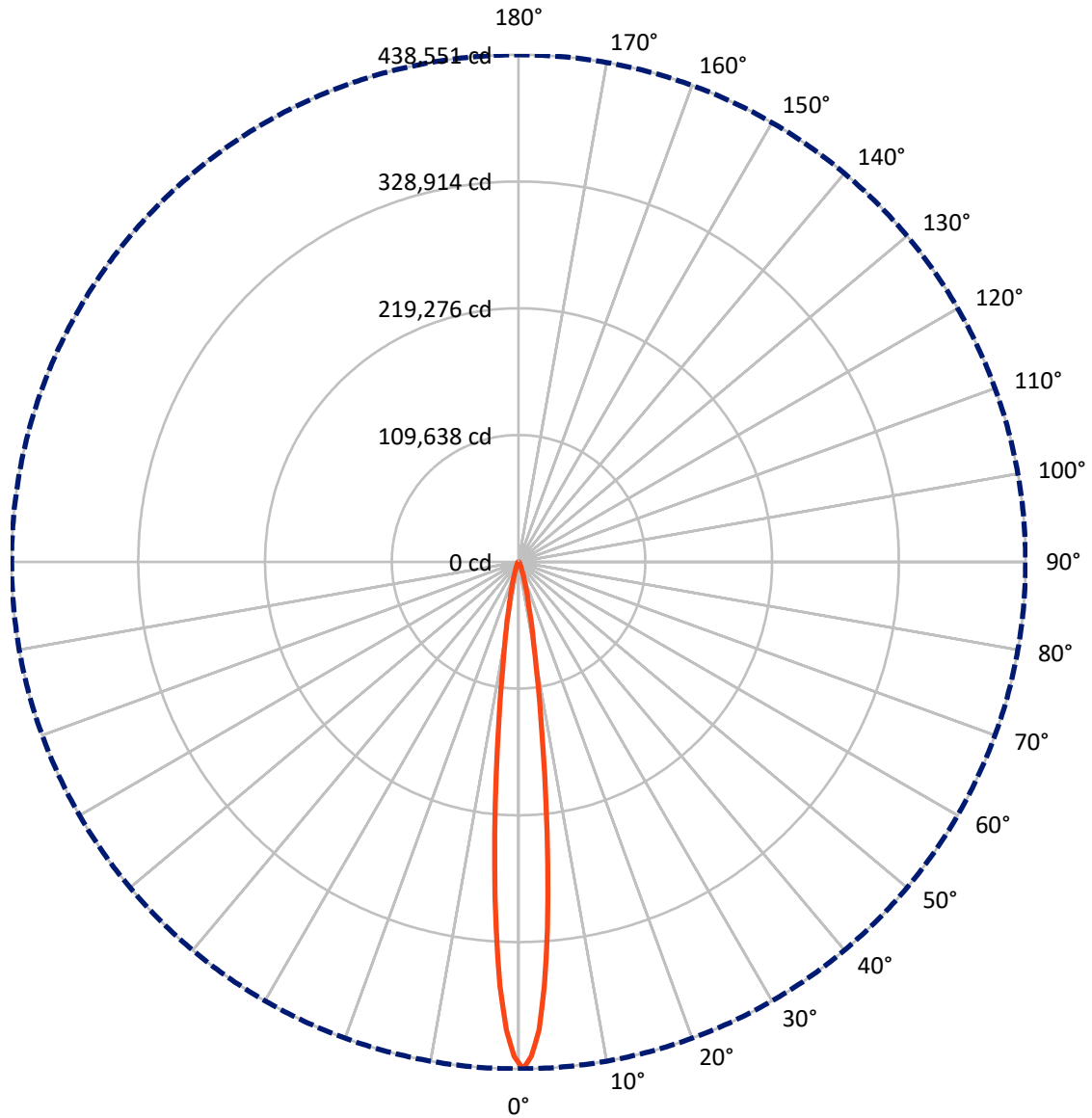
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1096.4 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	15405.4	0.0	15405.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15405.4	0.0	15405.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	30810.8	0.0	30810.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18781.7	61.0
10°-20°	8414.3	27.3
20°-30°	1879.1	6.1
30°-40°	613.3	2.0
40°-50°	423.0	1.4
50°-60°	319.6	1.0
60°-70°	218.7	0.7
70°-80°	115.2	0.4
80°-90°	46.0	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°	30810.8	100.0
0°-180°	30810.8	100.0

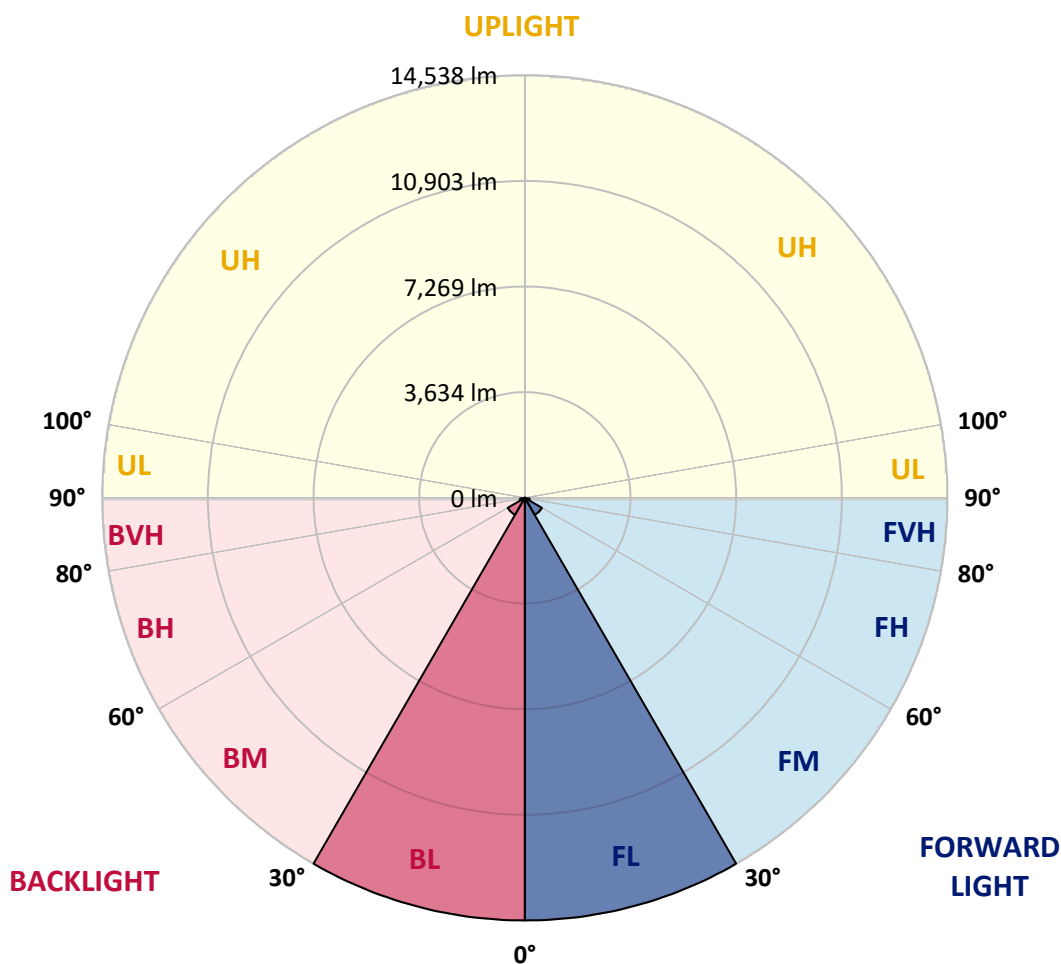


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14537.5	47.2			
FM (30°-60°)	678.0	2.2			
FH (60°-80°)	166.9	0.5			G0/660
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	14537.5	47.2	B5		
BM (30°-60°)	678.0	2.2	B1/1000		
BH (60°-80°)	166.9	0.5	B1/500		G0/660
BVH (80°-90°)	23.0	0.1			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	438551.4	438551.4	438551.4	438551.4	438551.4	438551.4	438551.4	438551.4	438551.4	438551.4
1°	427663.2	428244.9	427597.4	430868.2	432218.3	432920.7	433003.0	434847.0	433425.6	433820.8
2°	405124.0	406419.2	404251.4	406347.8	410540.7	412126.7	409541.9	412735.9	411594.4	412258.4
3°	367251.3	368837.4	365840.9	368403.8	373798.5	375005.9	370769.1	375307.7	375192.5	376147.4
4°	318435.6	321009.5	316728.8	319763.7	322151.0	326354.8	322249.8	327414.0	327315.2	328972.6
5°	263023.3	265805.7	262084.8	265234.9	267496.0	269060.1	267556.4	273269.4	273631.6	275343.8
6°	208801.9	211397.7	207243.3	210250.7	213834.4	214476.5	214086.8	219004.0	220096.2	218762.6
7°	160694.1	161341.7	160688.6	163421.6	166297.3	166401.6	166906.5	171231.0	172191.4	171730.4
8°	123068.4	120104.8	122651.3	124100.1	124989.2	129072.2	129374.1	131552.8	133319.9	133446.2
9°	93680.1	90936.1	93883.2	94459.4	96501.0	100128.5	99673.0	102054.8	103163.4	103092.0
10°	71420.8	70026.9	71503.1	72139.7	73819.1	76892.3	77424.7	78516.8	79340.0	79877.8
12.5°	38756.2	39080.0	39936.2	40605.7	42866.8	43684.5	44013.7	44107.0	44101.6	44189.4
15°	24075.8	24339.3	24937.5	26150.3	27527.8	28543.1	28685.8	28158.9	27703.4	27632.1
17.5°	15015.2	14910.9	16315.8	17643.9	19301.3	19828.1	19279.3	18675.7	18055.5	17698.8
20°	9011.3	9082.6	9560.1	10152.8	11491.9	12402.9	11832.1	11217.5	10575.4	10152.8
22.5°	5120.3	5197.1	5405.7	5713.0	6223.4	7052.1	6689.9	6069.7	5614.2	5427.6
25°	3023.9	3023.9	3150.1	3287.3	3501.3	3693.4	3616.6	3287.3	3018.4	2941.6
27.5°	1959.2	1942.8	1986.7	2052.5	2151.3	2162.3	2074.5	1975.7	1838.5	1789.1
30°	1432.4	1437.9	1432.4	1459.8	1454.3	1415.9	1361.0	1366.5	1311.6	1306.1
32.5°	1163.5	1168.9	1168.9	1163.5	1136.0	1075.6	1037.2	1075.6	1064.7	1053.7
35°	965.9	971.4	1026.3	1020.8	976.9	911.0	883.6	927.5	960.4	911.0
37.5°	834.2	839.7	883.6	905.5	850.6	806.7	773.8	812.2	861.6	806.7
40°	735.4	740.9	751.9	757.3	729.9	708.0	691.5	702.5	724.4	697.0
42.5°	647.6	642.1	647.6	642.1	609.2	620.1	609.2	592.7	609.2	587.2
45°	565.3	565.3	565.3	548.8	515.9	537.8	526.8	510.4	515.9	499.4
47.5°	515.9	515.9	515.9	493.9	466.5	466.5	472.0	444.5	450.0	444.5
50°	466.5	466.5	477.5	455.5	433.6	417.1	422.6	400.6	406.1	400.6
52.5°	428.1	428.1	428.1	417.1	400.6	389.6	378.7	367.7	362.2	356.7
55°	411.6	411.6	406.1	373.2	367.7	356.7	334.8	329.3	318.3	312.8
57.5°	384.2	384.2	378.7	351.2	329.3	329.3	296.4	290.9	274.4	274.4
60°	340.3	340.3	334.8	329.3	301.8	285.4	263.4	252.4	236.0	230.5
62.5°	323.8	323.8	312.8	285.4	279.9	252.4	230.5	208.5	197.6	186.6
65°	301.8	296.4	290.9	263.4	241.5	225.0	197.6	170.1	159.2	137.2
67.5°	268.9	268.9	263.4	241.5	219.5	192.1	164.6	142.7	115.2	98.8
70°	236.0	230.5	230.5	208.5	192.1	170.1	131.7	109.8	82.3	65.9
72.5°	197.6	197.6	192.1	175.6	164.6	148.2	115.2	87.8	54.9	43.9
75°	159.2	159.2	153.7	142.7	137.2	120.7	98.8	76.8	43.9	22.0
77.5°	131.7	126.2	126.2	115.2	109.8	98.8	82.3	60.4	32.9	16.5
80°	98.8	98.8	104.3	98.8	87.8	82.3	71.3	54.9	27.4	11.0
82.5°	71.3	71.3	76.8	76.8	76.8	71.3	71.3	54.9	27.4	5.5
85°	49.4	49.4	60.4	54.9	54.9	60.4	87.8	71.3	22.0	5.5
87.5°	27.4	27.4	27.4	22.0	22.0	27.4	32.9	27.4	11.0	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
438551.4
430917.6
409887.6
373584.5
326063.9
272073.0
218899.8
171099.3
131854.6
104771.4
80196.1
44260.7
27412.6
17643.9
10246.1
5449.6
2930.6
1789.1
1300.7
1031.7
900.0
801.2
686.0
587.2
499.4
444.5
400.6
356.7
307.3
274.4
219.5
181.1
131.7
98.8
65.9
38.4
22.0
11.0
5.5
5.5
5.5
5.5
0.0

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