

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: P636024

Luminaire Tested: **IFLD-S-SA6C-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636024
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25269.3 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

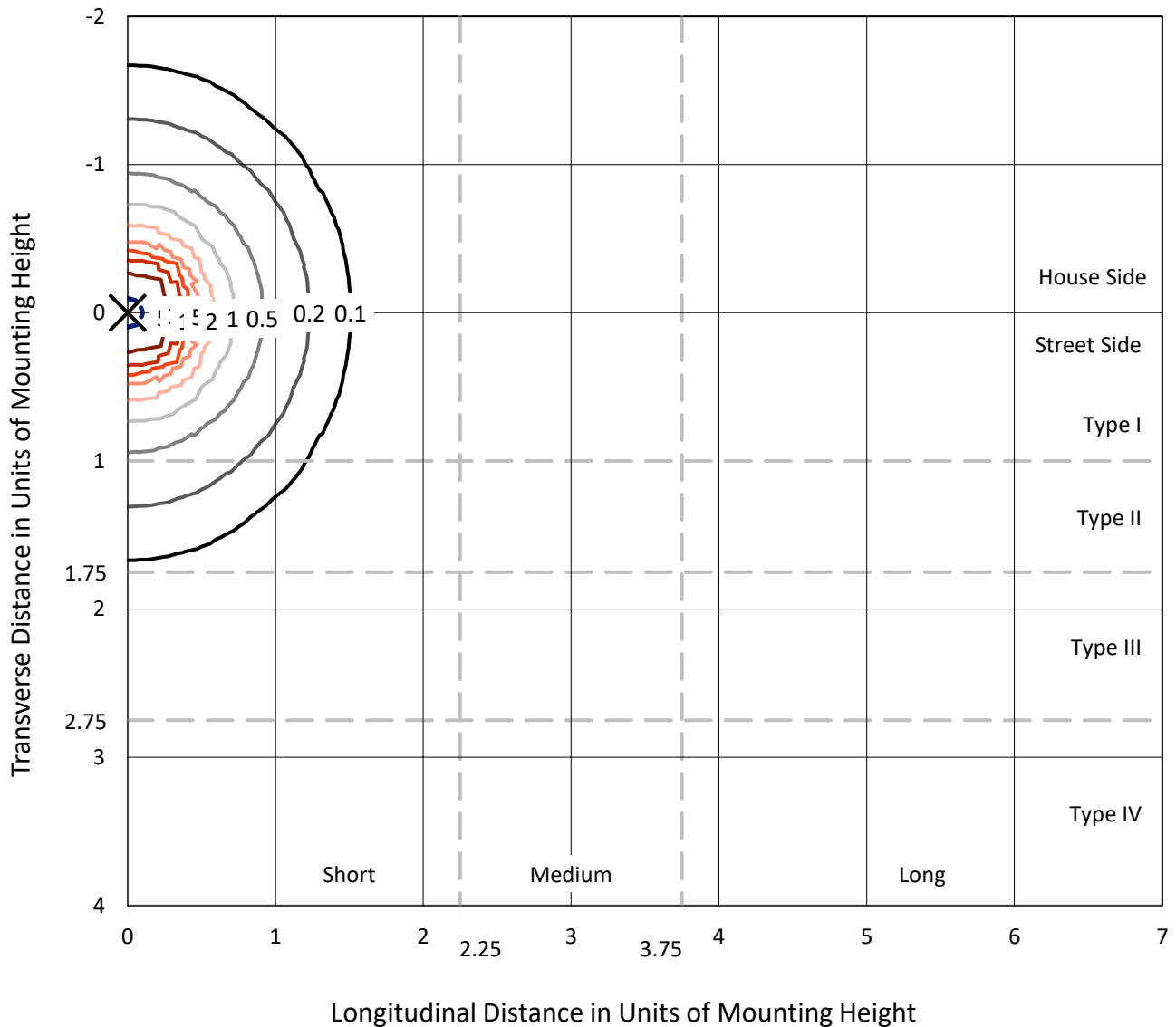
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

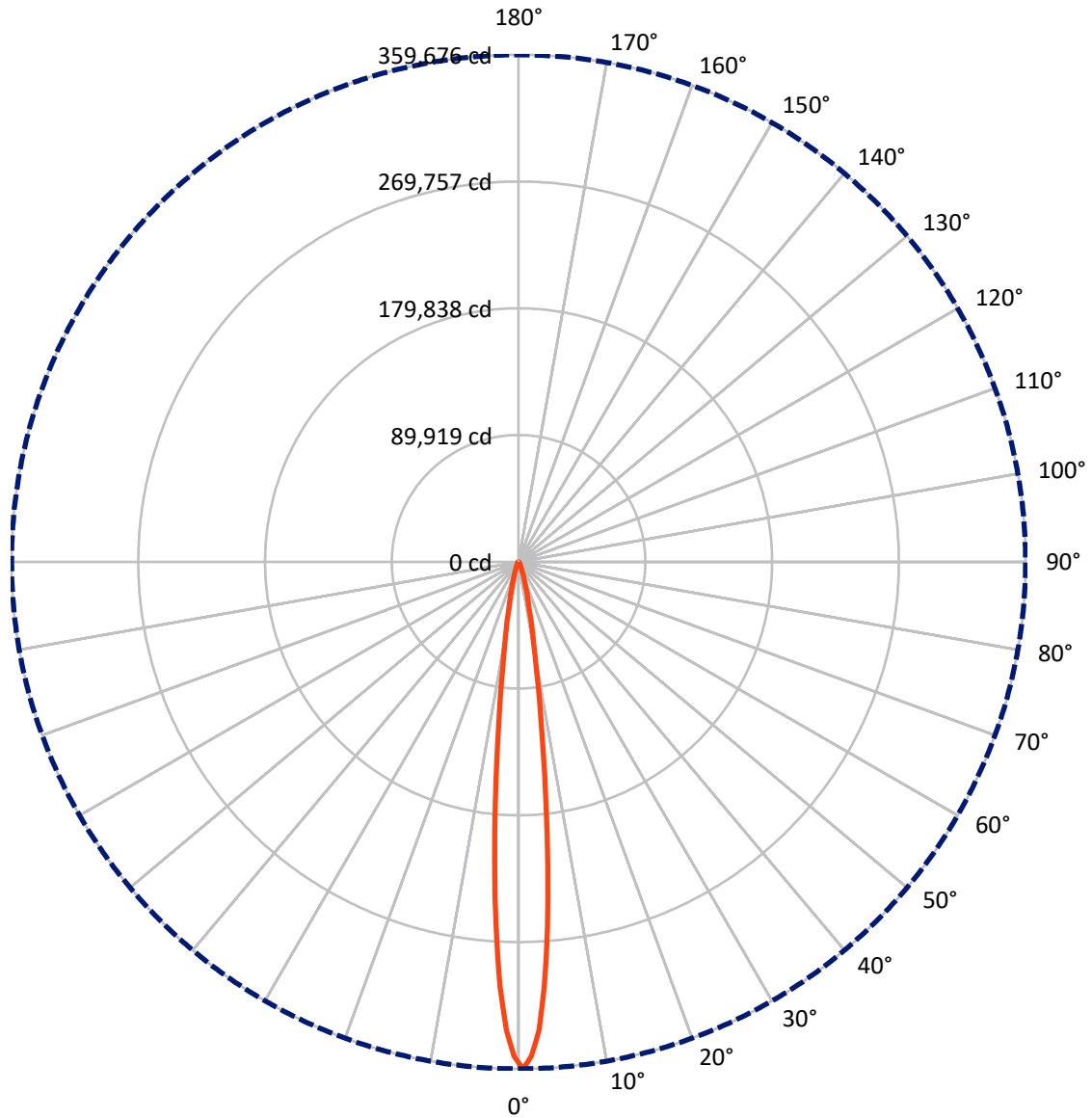
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 899.2 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	12634.7	0.0	12634.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12634.7	0.0	12634.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	25269.3	0.0	25269.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15403.7	61.0
10°-20°	6901.0	27.3
20°-30°	1541.1	6.1
30°-40°	503.0	2.0
40°-50°	346.9	1.4
50°-60°	262.1	1.0
60°-70°	179.3	0.7
70°-80°	94.4	0.4
80°-90°	37.7	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°	25269.3	100.0
0°-180°	25269.3	100.0

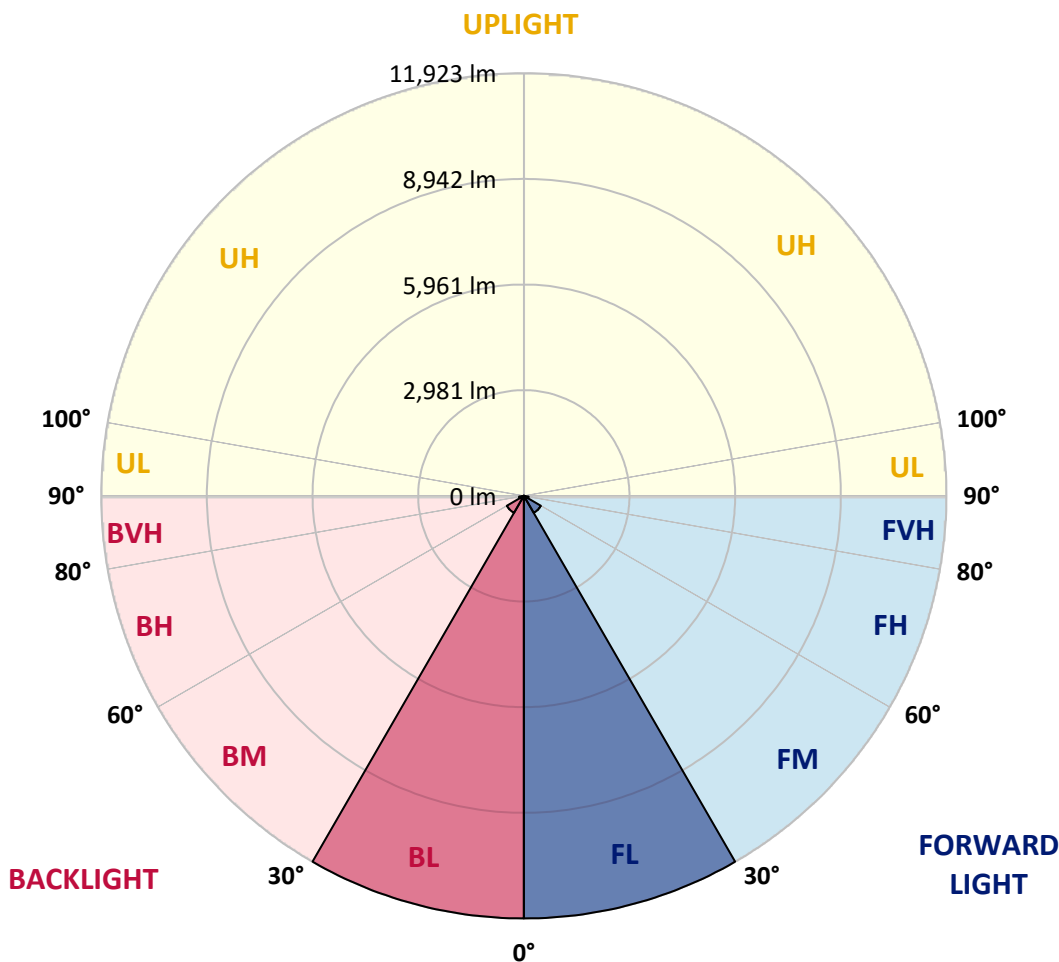


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11922.9	47.2			
FM (30°-60°)	556.0	2.2			
FH (60°-80°)	136.9	0.5			G0/660
FVH (80°-90°)	18.8	0.1			G1/100
BL (0°-30°)	11922.9	47.2	B5		
BM (30°-60°)	556.0	2.2	B1/1000		
BH (60°-80°)	136.9	0.5	B1/500		G0/660
BVH (80°-90°)	18.8	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°	359675.9	359675.9	359675.9	359675.9	359675.9	359675.9	359675.9	359675.9	359675.9	359675.9
1°	350746.0	351223.1	350692.0	353374.5	354481.8	355057.9	355125.4	356637.7	355472.0	355796.0
2°	332260.5	333322.8	331544.9	333264.3	336703.0	338003.8	335883.8	338503.4	337567.2	338111.8
3°	301199.4	302500.2	300042.7	302144.6	306569.1	307559.3	304084.6	307806.9	307712.3	308495.5
4°	261163.4	263274.4	259763.7	262252.7	264210.6	267658.3	264291.6	268527.0	268446.0	269805.3
5°	215717.3	217999.3	214947.6	217531.2	219385.6	220668.4	219435.1	224120.6	224417.6	225821.9
6°	171247.9	173376.8	169969.6	172436.1	175375.2	175901.8	175582.3	179615.1	180510.8	179417.1
7°	131792.5	132323.6	131788.0	134029.5	136388.0	136473.5	136887.6	140434.3	141222.0	140843.9
8°	100933.9	98503.4	100591.9	101780.1	102509.3	105858.0	106105.5	107892.4	109341.7	109445.2
9°	76831.3	74580.8	76997.8	77470.4	79144.8	82119.9	81746.4	83699.8	84609.0	84550.5
10°	58575.4	57432.2	58643.0	59165.1	60542.4	63062.9	63499.5	64395.2	65070.3	65511.4
12.5°	31785.7	32051.3	32753.5	33302.6	35157.0	35827.6	36097.7	36174.2	36169.7	36241.7
15°	19745.7	19961.7	20452.3	21447.1	22576.8	23409.5	23526.5	23094.4	22720.8	22662.3
17.5°	12314.6	12229.1	13381.3	14470.6	15829.9	16262.0	15811.9	15316.8	14808.1	14515.6
20°	7390.6	7449.1	7840.7	8326.8	9425.0	10172.2	9704.1	9200.0	8673.3	8326.8
22.5°	4199.4	4262.4	4433.4	4685.5	5104.1	5783.7	5486.7	4978.1	4604.5	4451.4
25°	2480.0	2480.0	2583.5	2696.1	2871.6	3029.1	2966.1	2696.1	2475.5	2412.5
27.5°	1606.8	1593.3	1629.3	1683.4	1764.4	1773.4	1701.4	1620.3	1507.8	1467.3
30°	1174.7	1179.3	1174.7	1197.3	1192.8	1161.2	1116.2	1120.7	1075.7	1071.2
32.5°	954.2	958.7	958.7	954.2	931.7	882.2	850.7	882.2	873.2	864.2
35°	792.2	796.7	841.7	837.2	801.2	747.2	724.7	760.7	787.7	747.2
37.5°	684.1	688.6	724.7	742.7	697.6	661.6	634.6	666.1	706.7	661.6
40°	603.1	607.6	616.6	621.1	598.6	580.6	567.1	576.1	594.1	571.6
42.5°	531.1	526.6	531.1	526.6	499.6	508.6	499.6	486.1	499.6	481.6
45°	463.6	463.6	463.6	450.1	423.1	441.1	432.1	418.6	423.1	409.6
47.5°	423.1	423.1	423.1	405.1	382.6	382.6	387.1	364.6	369.1	364.6
50°	382.6	382.6	391.6	373.6	355.6	342.1	346.6	328.6	333.1	328.6
52.5°	351.1	351.1	351.1	342.1	328.6	319.6	310.6	301.6	297.1	292.6
55°	337.6	337.6	333.1	306.1	301.6	292.6	274.6	270.1	261.1	256.6
57.5°	315.1	315.1	310.6	288.1	270.1	270.1	243.1	238.6	225.0	225.0
60°	279.1	279.1	274.6	270.1	247.6	234.0	216.0	207.0	193.5	189.0
62.5°	265.6	265.6	256.6	234.0	229.5	207.0	189.0	171.0	162.0	153.0
65°	247.6	243.1	238.6	216.0	198.0	184.5	162.0	139.5	130.5	112.5
67.5°	220.5	220.5	216.0	198.0	180.0	157.5	135.0	117.0	94.5	81.0
70°	193.5	189.0	189.0	171.0	157.5	139.5	108.0	90.0	67.5	54.0
72.5°	162.0	162.0	157.5	144.0	135.0	121.5	94.5	72.0	45.0	36.0
75°	130.5	130.5	126.0	117.0	112.5	99.0	81.0	63.0	36.0	18.0
77.5°	108.0	103.5	103.5	94.5	90.0	81.0	67.5	49.5	27.0	13.5
80°	81.0	81.0	85.5	81.0	72.0	67.5	58.5	45.0	22.5	9.0
82.5°	58.5	58.5	63.0	63.0	63.0	58.5	58.5	45.0	22.5	4.5
85°	40.5	40.5	49.5	45.0	45.0	49.5	72.0	58.5	18.0	4.5
87.5°	22.5	22.5	22.5	18.0	18.0	22.5	27.0	22.5	9.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
359675.9
353415.0
336167.4
306393.6
267419.8
223139.4
179529.6
140326.3
108140.0
85927.7
65772.5
36300.2
22482.3
14470.6
8403.3
4469.4
2403.5
1467.3
1066.7
846.2
738.2
657.1
562.6
481.6
409.6
364.6
328.6
292.6
252.1
225.0
180.0
148.5
108.0
81.0
54.0
31.5
18.0
9.0
4.5
4.5
4.5
4.5
0.0

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