

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: P636016

Luminaire Tested: **IFLD-S-SA2E-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636016
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11006.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

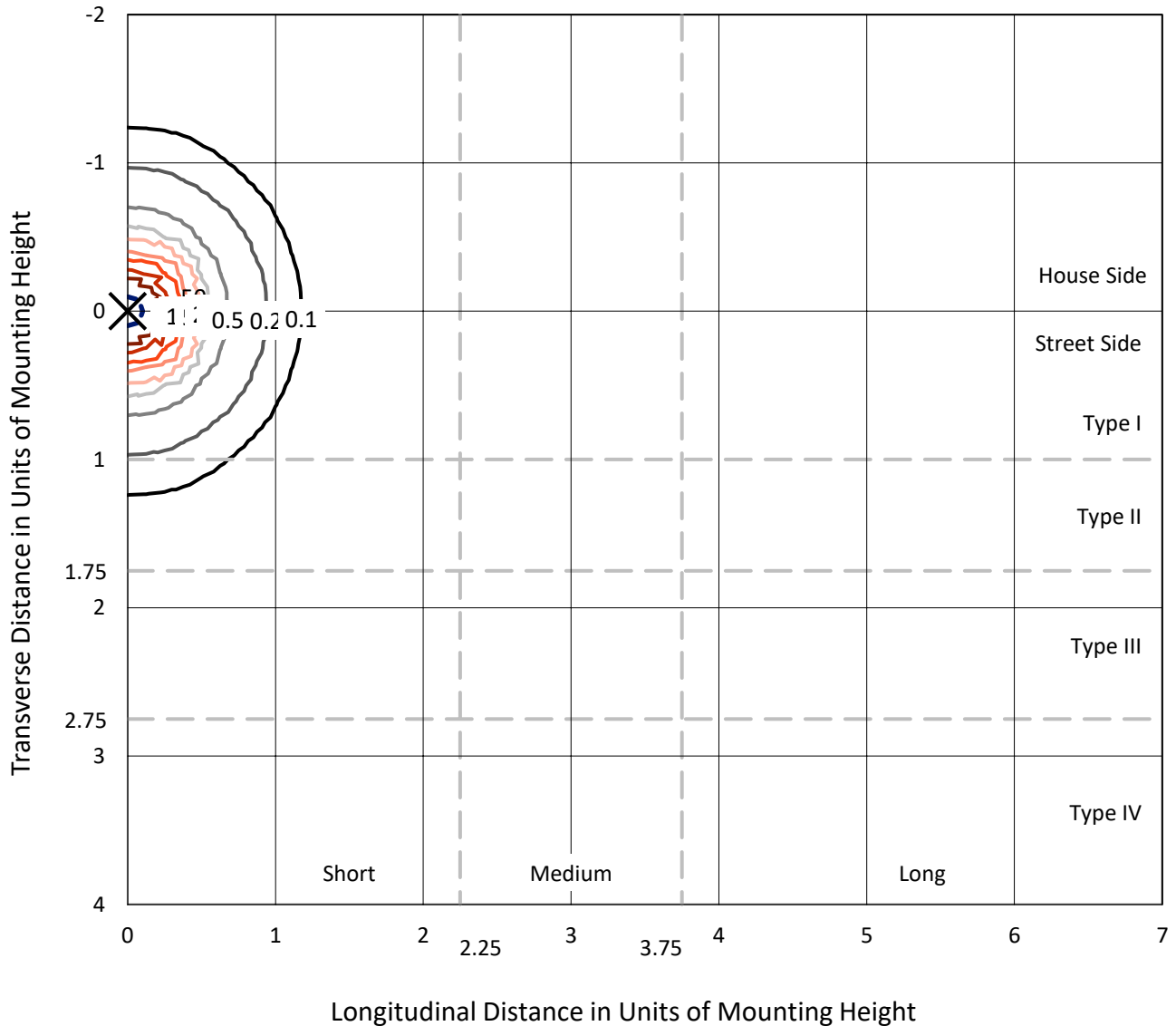
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

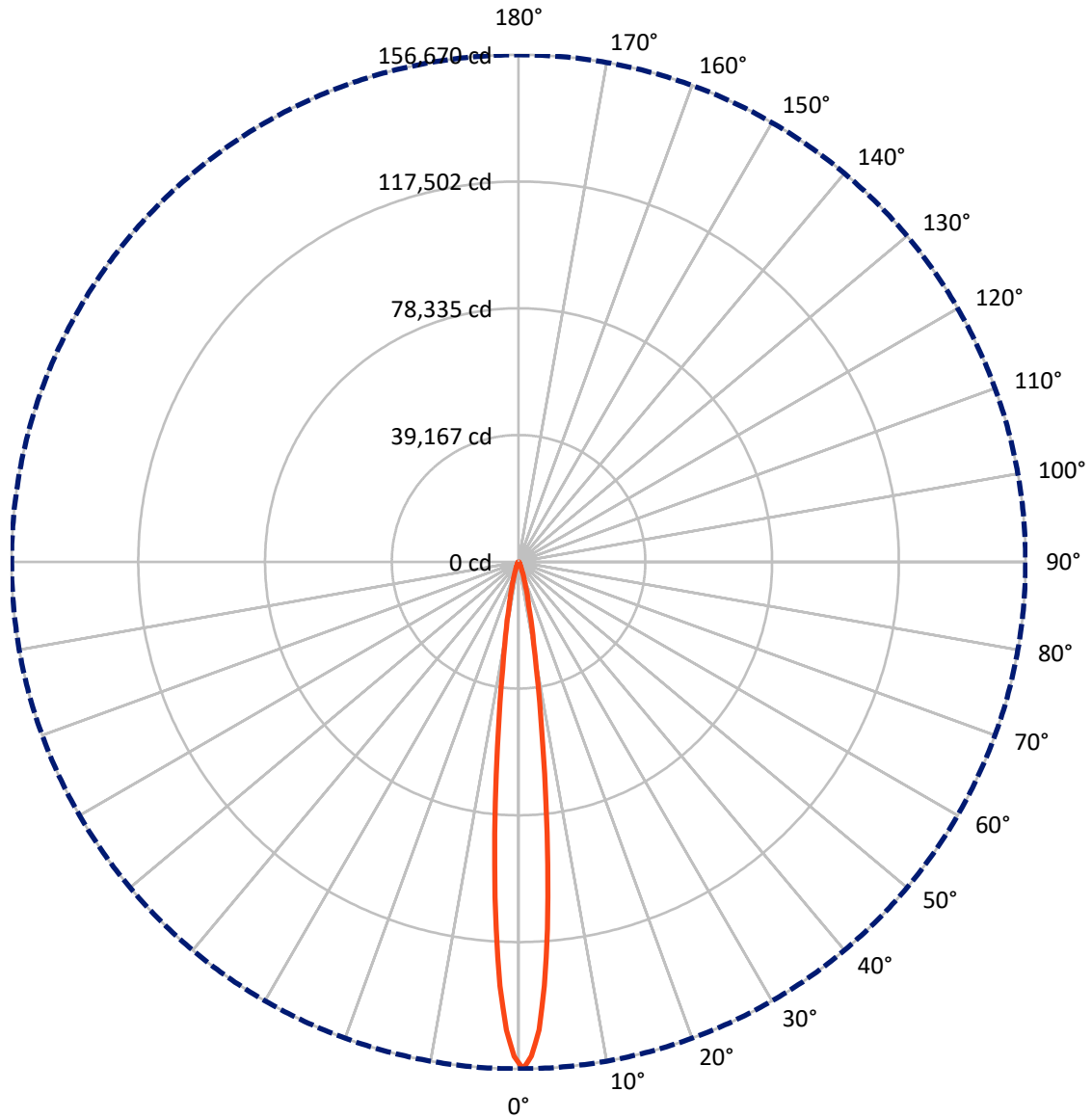
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 391.7 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	5503.5	0.0	5503.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5503.5	0.0	5503.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11006.9	0.0	11006.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6709.6	61.0
10°-20°	3006.0	27.3
20°-30°	671.3	6.1
30°-40°	219.1	2.0
40°-50°	151.1	1.4
50°-60°	114.2	1.0
60°-70°	78.1	0.7
70°-80°	41.1	0.4
80°-90°	16.4	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°	11006.9	100.0
0°-180°	11006.9	100.0

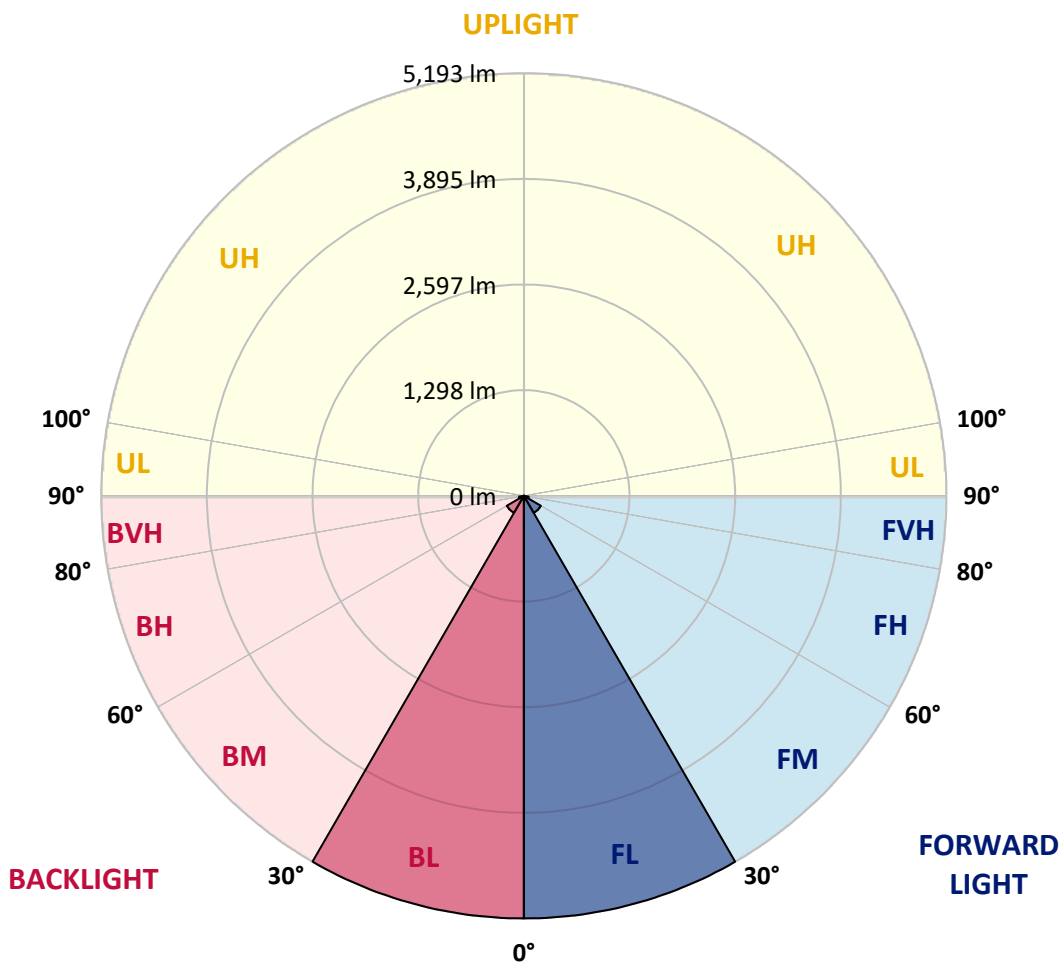


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5193.4	47.2			
FM (30°-60°)	242.2	2.2			
FH (60°-80°)	59.6	0.5			G0/660
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	5193.4	47.2	B5		
BM (30°-60°)	242.2	2.2	B1/1000		
BH (60°-80°)	59.6	0.5	B0/110		G0/660
BVH (80°-90°)	8.2	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°	156669.6	156669.6	156669.6	156669.6	156669.6	156669.6	156669.6	156669.6	156669.6	156669.6
1°	152779.8	152987.6	152756.3	153924.8	154407.1	154658.0	154687.4	155346.2	154838.4	154979.6
2°	144727.8	145190.5	144416.1	145165.0	146662.9	147229.5	146306.1	147447.1	147039.3	147276.6
3°	131198.1	131764.7	130694.2	131609.8	133537.0	133968.3	132454.8	134076.2	134035.0	134376.1
4°	113759.0	114678.5	113149.3	114233.4	115086.3	116588.1	115121.6	116966.5	116931.2	117523.2
5°	93963.3	94957.3	93628.1	94753.4	95561.2	96119.9	95582.7	97623.7	97753.1	98364.7
6°	74593.1	75520.4	74036.3	75110.7	76390.9	76620.3	76481.1	78237.7	78627.9	78151.5
7°	57406.9	57638.2	57404.9	58381.3	59408.6	59445.9	59626.2	61171.1	61514.2	61349.6
8°	43965.3	42906.7	43816.3	44333.9	44651.5	46110.2	46218.0	46996.4	47627.7	47672.7
9°	33466.6	32486.3	33539.1	33745.0	34474.3	35770.2	35607.5	36458.4	36854.4	36828.9
10°	25514.6	25016.6	25544.0	25771.4	26371.4	27469.3	27659.4	28049.6	28343.7	28535.8
12.5°	13845.4	13961.1	14266.9	14506.1	15313.9	15606.0	15723.6	15756.9	15755.0	15786.4
15°	8600.9	8695.0	8908.7	9342.0	9834.1	10196.8	10247.8	10059.6	9896.9	9871.4
17.5°	5364.1	5326.8	5828.7	6303.2	6895.3	7083.5	6887.4	6671.8	6450.2	6322.8
20°	3219.2	3244.7	3415.3	3627.0	4105.4	4430.8	4226.9	4007.4	3778.0	3627.0
22.5°	1829.2	1856.6	1931.1	2040.9	2223.3	2519.3	2389.9	2168.4	2005.6	1939.0
25°	1080.3	1080.3	1125.4	1174.4	1250.8	1319.5	1292.0	1174.4	1078.3	1050.9
27.5°	699.9	694.0	709.7	733.2	768.5	772.5	741.1	705.8	656.8	639.1
30°	511.7	513.7	511.7	521.5	519.5	505.8	486.2	488.2	468.6	466.6
32.5°	415.6	417.6	417.6	415.6	405.8	384.3	370.5	384.3	380.3	376.4
35°	345.1	347.0	366.6	364.7	349.0	325.5	315.6	331.3	343.1	325.5
37.5°	298.0	300.0	315.6	323.5	303.9	288.2	276.4	290.2	307.8	288.2
40°	262.7	264.7	268.6	270.6	260.8	252.9	247.0	251.0	258.8	249.0
42.5°	231.3	229.4	231.3	229.4	217.6	221.5	217.6	211.7	217.6	209.8
45°	201.9	201.9	201.9	196.1	184.3	192.1	188.2	182.3	184.3	178.4
47.5°	184.3	184.3	184.3	176.4	166.6	166.6	168.6	158.8	160.8	158.8
50°	166.6	166.6	170.6	162.7	154.9	149.0	151.0	143.1	145.1	143.1
52.5°	152.9	152.9	152.9	149.0	143.1	139.2	135.3	131.4	129.4	127.4
55°	147.0	147.0	145.1	133.3	131.4	127.4	119.6	117.6	113.7	111.8
57.5°	137.2	137.2	135.3	125.5	117.6	117.6	105.9	103.9	98.0	98.0
60°	121.6	121.6	119.6	117.6	107.8	101.9	94.1	90.2	84.3	82.3
62.5°	115.7	115.7	111.8	101.9	100.0	90.2	82.3	74.5	70.6	66.7
65°	107.8	105.9	103.9	94.1	86.3	80.4	70.6	60.8	56.9	49.0
67.5°	96.1	96.1	94.1	86.3	78.4	68.6	58.8	51.0	41.2	35.3
70°	84.3	82.3	82.3	74.5	68.6	60.8	47.1	39.2	29.4	23.5
72.5°	70.6	70.6	68.6	62.7	58.8	52.9	41.2	31.4	19.6	15.7
75°	56.9	56.9	54.9	51.0	49.0	43.1	35.3	27.4	15.7	7.8
77.5°	47.1	45.1	45.1	41.2	39.2	35.3	29.4	21.6	11.8	5.9
80°	35.3	35.3	37.3	35.3	31.4	29.4	25.5	19.6	9.8	3.9
82.5°	25.5	25.5	27.4	27.4	27.4	25.5	25.5	19.6	9.8	2.0
85°	17.6	17.6	21.6	19.6	19.6	21.6	31.4	25.5	7.8	2.0
87.5°	9.8	9.8	9.8	7.8	7.8	9.8	11.8	9.8	3.9	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
156669.6
153942.4
146429.6
133460.6
116484.2
97196.3
78200.5
61124.1
47104.2
37428.9
28649.5
15811.8
9793.0
6303.2
3660.3
1946.8
1046.9
639.1
464.7
368.6
321.5
286.2
245.1
209.8
178.4
158.8
143.1
127.4
109.8
98.0
78.4
64.7
47.1
35.3
23.5
13.7
7.8
3.9
2.0
2.0
2.0
2.0
0.0

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