

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: P636021

Luminaire Tested: **IFLD-S-SA3E-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636021
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 16403.6 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

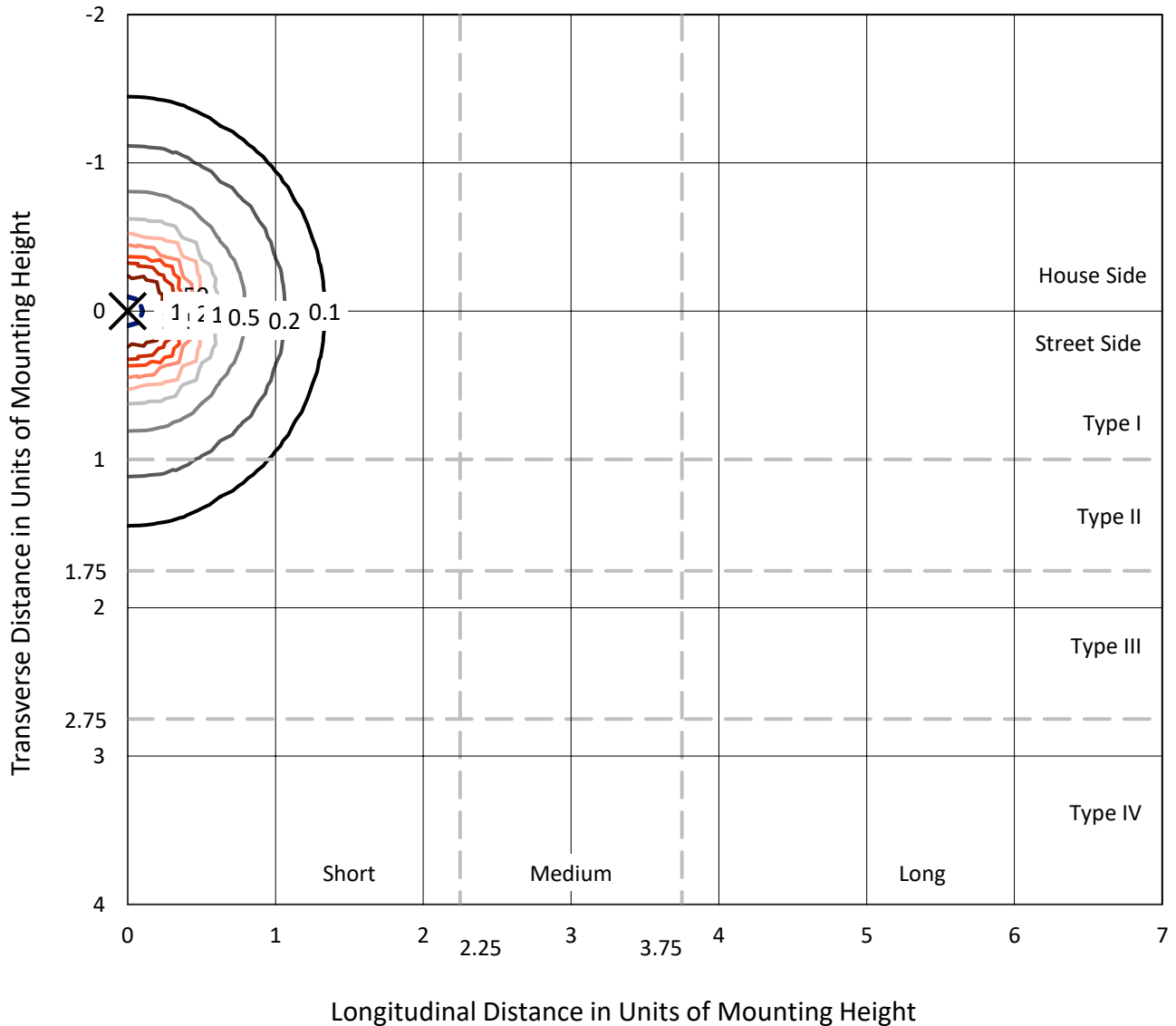
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

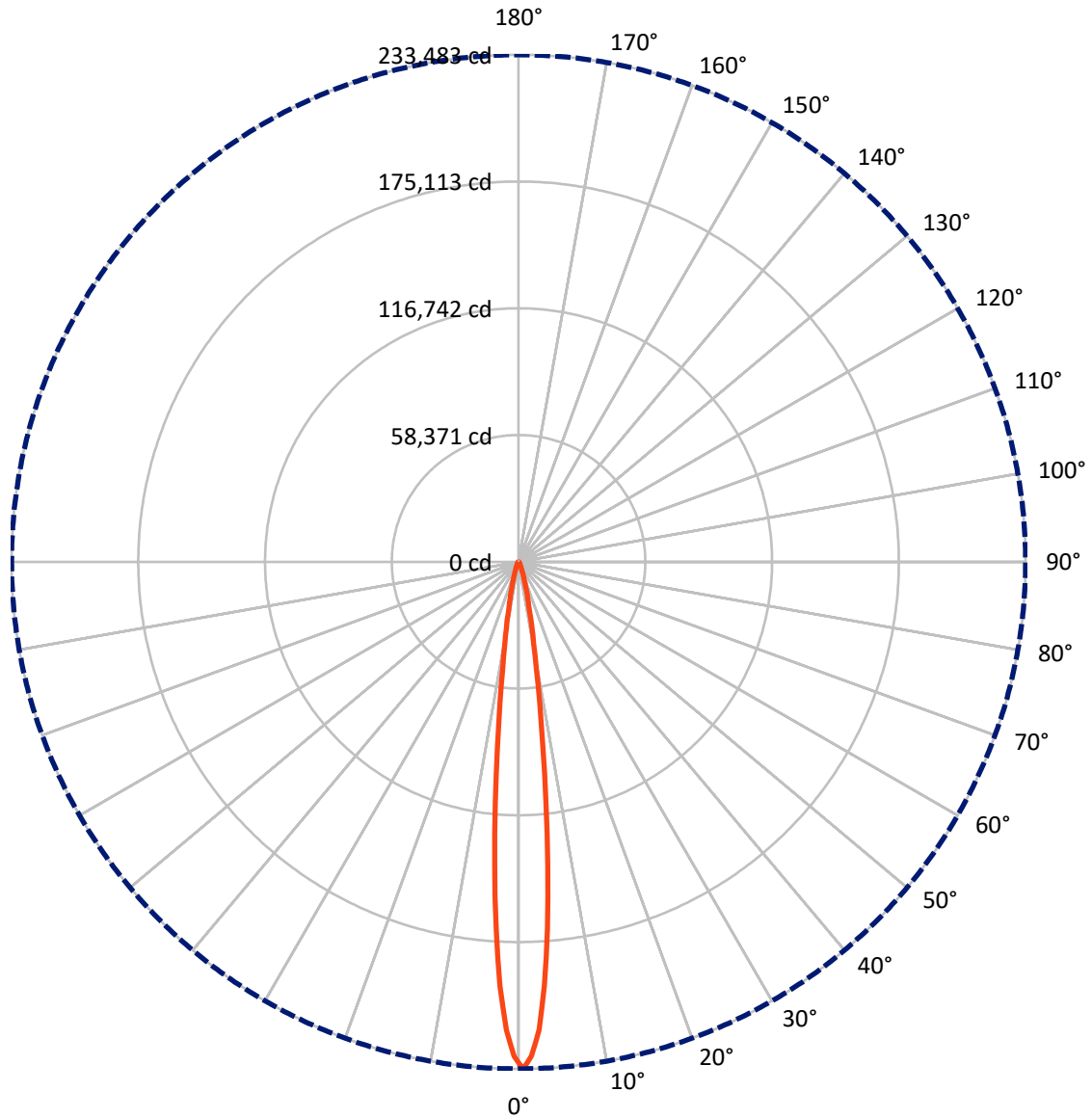
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 583.7 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	8201.8	0.0	8201.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8201.8	0.0	8201.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16403.6	0.0	16403.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9999.3	61.0
10°-20°	4479.8	27.3
20°-30°	1000.4	6.1
30°-40°	326.5	2.0
40°-50°	225.2	1.4
50°-60°	170.1	1.0
60°-70°	116.4	0.7
70°-80°	61.3	0.4
80°-90°	24.5	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°	16403.6	100.0
0°-180°	16403.6	100.0

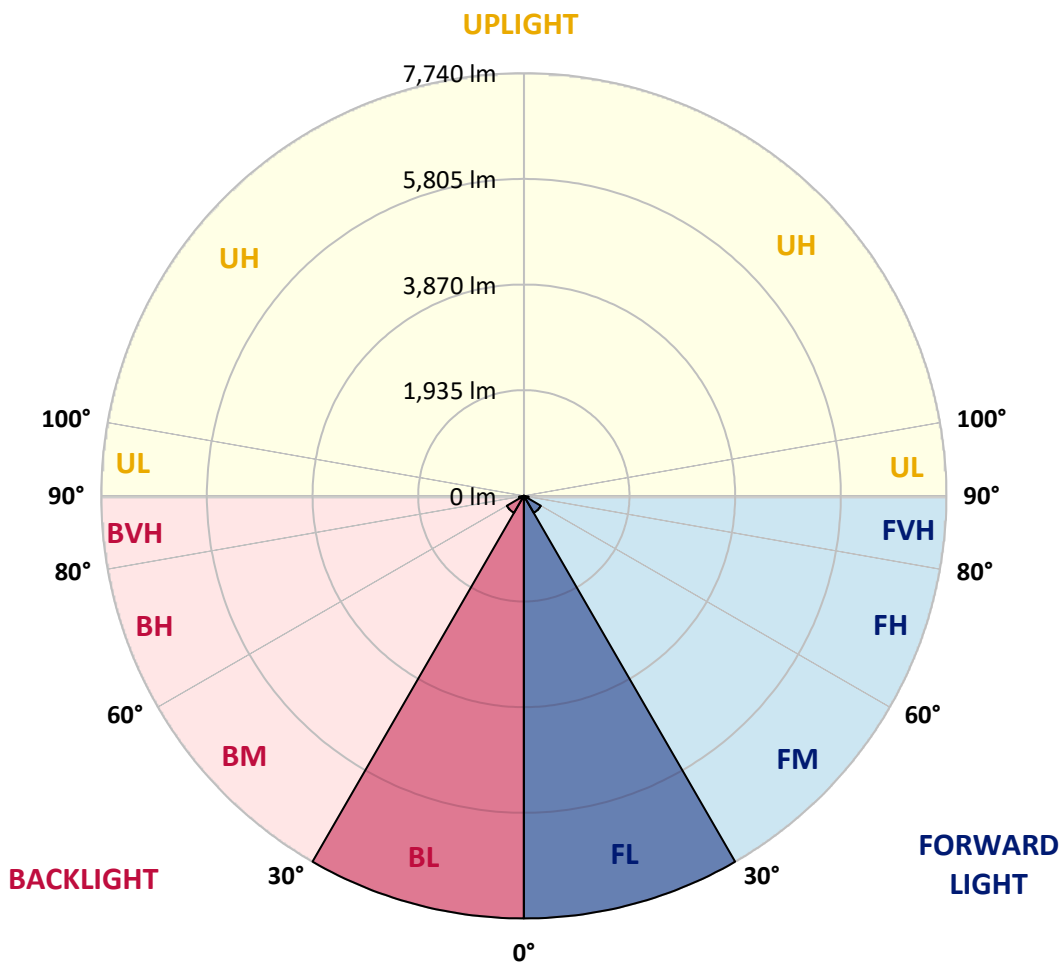


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7739.7	47.2			
FM (30°-60°)	360.9	2.2			
FH (60°-80°)	88.9	0.5			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	7739.7	47.2	B5		
BM (30°-60°)	360.9	2.2	B1/1000		
BH (60°-80°)	88.9	0.5	B0/110		G0/660
BVH (80°-90°)	12.2	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°	233483.4	233483.4	233483.4	233483.4	233483.4	233483.4	233483.4	233483.4	233483.4	233483.4
1°	227686.6	227996.3	227651.5	229392.9	230111.7	230485.7	230529.5	231511.2	230754.5	230964.9
2°	215686.8	216376.3	215222.2	216338.4	218570.6	219415.0	218038.8	219739.3	219131.6	219485.1
3°	195523.5	196367.9	194772.6	196137.1	199009.2	199652.0	197396.4	199812.7	199751.3	200259.7
4°	169534.1	170904.5	168625.5	170241.2	171512.2	173750.3	171564.8	174314.2	174261.6	175144.0
5°	140032.8	141514.1	139533.2	141210.3	142414.1	143246.8	142446.2	145487.8	145680.6	146592.2
6°	111165.5	112547.5	110335.7	111936.8	113844.8	114186.6	113979.2	116597.1	117178.5	116468.5
7°	85553.0	85897.8	85550.1	87005.2	88536.2	88591.7	88860.5	91162.9	91674.2	91428.8
8°	65521.2	63943.5	65299.2	66070.5	66543.8	68717.7	68878.4	70038.3	70979.1	71046.3
9°	49875.0	48414.1	49983.1	50289.9	51376.8	53308.1	53065.6	54333.7	54923.9	54885.9
10°	38024.2	37282.1	38068.0	38407.0	39301.0	40937.2	41220.7	41802.1	42240.4	42526.7
12.5°	20633.7	20806.1	21261.9	21618.4	22822.1	23257.5	23432.8	23482.5	23479.5	23526.3
15°	12817.9	12958.2	13276.6	13922.3	14655.7	15196.2	15272.2	14991.7	14749.2	14711.2
17.5°	7994.0	7938.5	8686.5	9393.6	10275.9	10556.4	10264.3	9942.9	9612.7	9422.8
20°	4797.6	4835.6	5089.8	5405.3	6118.2	6603.3	6299.4	5972.1	5630.3	5405.3
22.5°	2726.0	2766.9	2878.0	3041.6	3313.3	3754.5	3561.7	3231.5	2989.0	2889.7
25°	1609.9	1609.9	1677.1	1750.2	1864.1	1966.4	1925.5	1750.2	1607.0	1566.1
27.5°	1043.1	1034.3	1057.7	1092.8	1145.3	1151.2	1104.4	1051.8	978.8	952.5
30°	762.6	765.5	762.6	777.2	774.3	753.8	724.6	727.5	698.3	695.4
32.5°	619.4	622.3	622.3	619.4	604.8	572.7	552.2	572.7	566.8	561.0
35°	514.2	517.2	546.4	543.5	520.1	485.0	470.4	493.8	511.3	485.0
37.5°	444.1	447.0	470.4	482.1	452.9	429.5	412.0	432.4	458.7	429.5
40°	391.5	394.4	400.3	403.2	388.6	376.9	368.1	374.0	385.7	371.1
42.5°	344.8	341.8	344.8	341.8	324.3	330.2	324.3	315.6	324.3	312.6
45°	300.9	300.9	300.9	292.2	274.6	286.3	280.5	271.7	274.6	265.9
47.5°	274.6	274.6	274.6	263.0	248.4	248.4	251.3	236.7	239.6	236.7
50°	248.4	248.4	254.2	242.5	230.8	222.1	225.0	213.3	216.2	213.3
52.5°	227.9	227.9	227.9	222.1	213.3	207.4	201.6	195.8	192.8	189.9
55°	219.1	219.1	216.2	198.7	195.8	189.9	178.2	175.3	169.5	166.5
57.5°	204.5	204.5	201.6	187.0	175.3	175.3	157.8	154.9	146.1	146.1
60°	181.2	181.2	178.2	175.3	160.7	151.9	140.2	134.4	125.6	122.7
62.5°	172.4	172.4	166.5	151.9	149.0	134.4	122.7	111.0	105.2	99.3
65°	160.7	157.8	154.9	140.2	128.6	119.8	105.2	90.6	84.7	73.0
67.5°	143.2	143.2	140.2	128.6	116.9	102.3	87.7	76.0	61.4	52.6
70°	125.6	122.7	122.7	111.0	102.3	90.6	70.1	58.4	43.8	35.1
72.5°	105.2	105.2	102.3	93.5	87.7	78.9	61.4	46.7	29.2	23.4
75°	84.7	84.7	81.8	76.0	73.0	64.3	52.6	40.9	23.4	11.7
77.5°	70.1	67.2	67.2	61.4	58.4	52.6	43.8	32.1	17.5	8.8
80°	52.6	52.6	55.5	52.6	46.7	43.8	38.0	29.2	14.6	5.8
82.5°	38.0	38.0	40.9	40.9	40.9	38.0	38.0	29.2	14.6	2.9
85°	26.3	26.3	32.1	29.2	29.2	32.1	46.7	38.0	11.7	2.9
87.5°	14.6	14.6	14.6	11.7	11.7	14.6	17.5	14.6	5.8	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
233483.4
229419.2
218222.9
198895.3
173595.4
144850.8
116541.6
91092.8
70199.0
55780.0
42696.2
23564.3
14594.4
9393.6
5455.0
2901.3
1560.2
952.5
692.5
549.3
479.2
426.6
365.2
312.6
265.9
236.7
213.3
189.9
163.6
146.1
116.9
96.4
70.1
52.6
35.1
20.5
11.7
5.8
2.9
2.9
2.9
2.9
0.0

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