

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: P636064

Luminaire Tested: **IFLD-L-SA7D-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636064  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30776.9 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

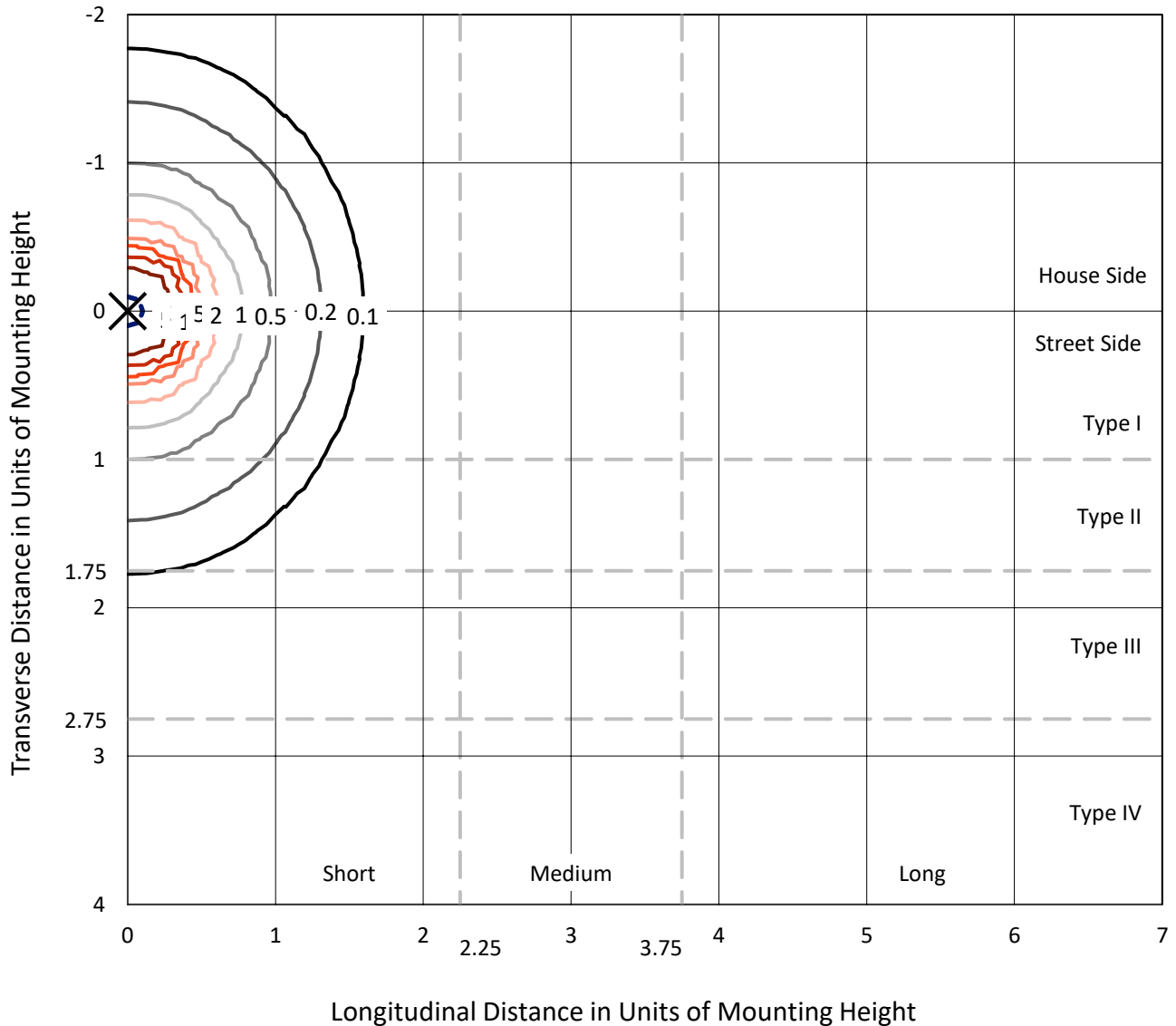
Input Watts (W): 422.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

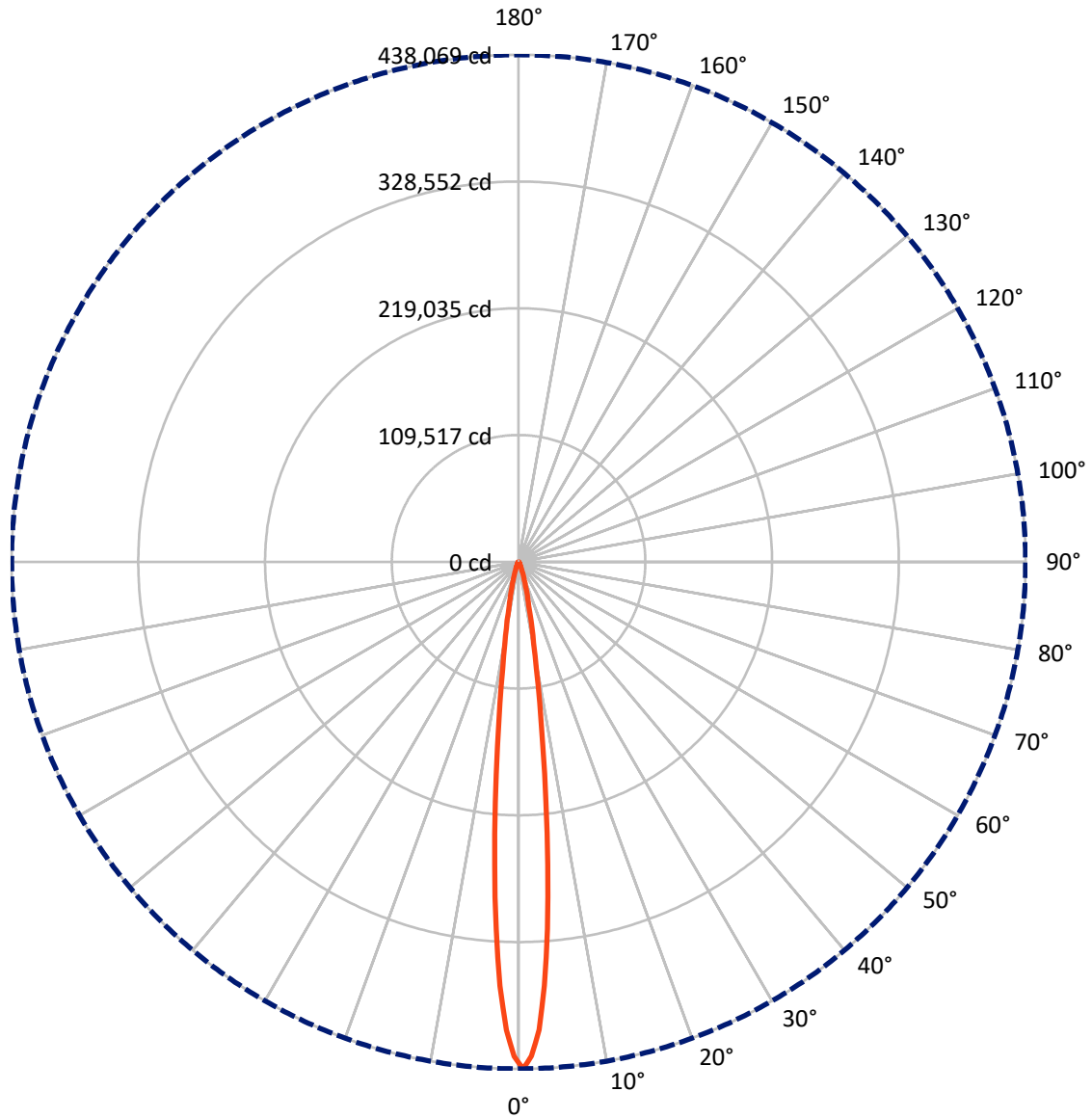
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1095.2 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
<b>House Side</b>	Lumens	15388.5	0.0	15388.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15388.5	0.0	15388.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30776.9	0.0	30776.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18761.0	61.0
10°-20°	8405.1	27.3
20°-30°	1877.0	6.1
30°-40°	612.6	2.0
40°-50°	422.5	1.4
50°-60°	319.2	1.0
60°-70°	218.5	0.7
70°-80°	115.0	0.4
80°-90°	45.9	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°	30776.9	100.0
0°-180°	30776.9	100.0

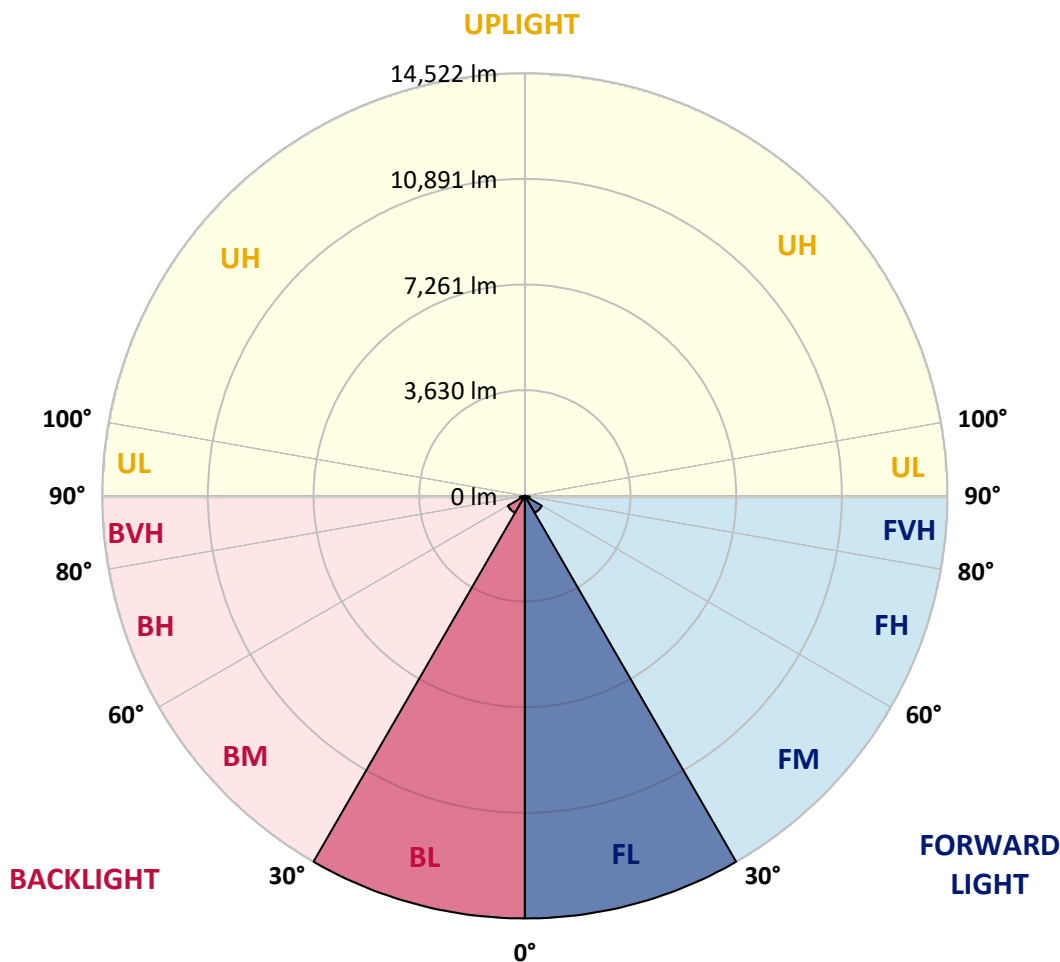


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14521.6	47.2			
FM (30°-60°)	677.2	2.2			
FH (60°-80°)	166.7	0.5			G0/660
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	14521.6	47.2	B5		
BM (30°-60°)	677.2	2.2	B1/1000		
BH (60°-80°)	166.7	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°	438069.4	438069.4	438069.4	438069.4	438069.4	438069.4	438069.4	438069.4	438069.4	438069.4
1°	427193.1	427774.2	427127.4	430394.6	431743.2	432444.9	432527.1	434369.0	432949.2	433343.9
2°	404678.7	405972.5	403807.1	405901.2	410089.4	411673.7	409091.7	412282.2	411142.0	411805.3
3°	366847.7	368432.0	365438.8	367998.9	373387.7	374593.7	370361.6	374895.2	374780.1	375733.9
4°	318085.6	320656.6	316380.7	319412.2	321796.9	325996.1	321895.5	327054.1	326955.4	328611.0
5°	262734.2	265513.5	261796.8	264943.4	267202.0	268764.3	267262.3	272969.0	273330.8	275041.2
6°	208572.4	211165.3	207015.5	210019.6	213599.3	214240.7	213851.5	218763.3	219854.2	218522.1
7°	160517.4	161164.3	160512.0	163242.0	166114.5	166218.7	166723.0	171042.8	172002.2	171541.7
8°	122933.1	119972.8	122516.5	123963.7	124851.8	128930.4	129231.9	131408.2	133173.4	133299.5
9°	93577.2	90836.2	93780.0	94355.6	96394.9	100018.5	99563.5	101942.6	103050.0	102978.7
10°	71342.3	69949.9	71424.5	72060.4	73737.9	76807.8	77339.6	78430.5	79252.8	79790.0
12.5°	38713.6	39037.1	39892.3	40561.1	42819.6	43636.4	43965.4	44058.6	44053.1	44140.8
15°	24049.4	24312.5	24910.1	26121.6	27497.5	28511.7	28654.2	28128.0	27673.0	27601.7
17.5°	14998.7	14894.5	16297.9	17624.5	19280.1	19806.3	19258.1	18655.1	18035.7	17679.3
20°	9001.4	9072.7	9549.6	10141.6	11479.2	12389.2	11819.1	11205.1	10563.7	10141.6
22.5°	5114.7	5191.4	5399.7	5706.7	6216.5	7044.3	6682.5	6063.1	5608.1	5421.7
25°	3020.6	3020.6	3146.6	3283.7	3497.5	3689.4	3612.6	3283.7	3015.1	2938.3
27.5°	1957.1	1940.6	1984.5	2050.3	2148.9	2159.9	2072.2	1973.5	1836.5	1787.1
30°	1430.8	1436.3	1430.8	1458.2	1452.7	1414.3	1359.5	1365.0	1310.2	1304.7
32.5°	1162.2	1167.7	1167.7	1162.2	1134.8	1074.5	1036.1	1074.5	1063.5	1052.5
35°	964.8	970.3	1025.1	1019.6	975.8	910.0	882.6	926.5	959.3	910.0
37.5°	833.3	838.7	882.6	904.5	849.7	805.8	773.0	811.3	860.7	805.8
40°	734.6	740.1	751.0	756.5	729.1	707.2	690.7	701.7	723.6	696.2
42.5°	646.9	641.4	646.9	641.4	608.5	619.5	608.5	592.1	608.5	586.6
45°	564.6	564.6	564.6	548.2	515.3	537.2	526.3	509.8	515.3	498.9
47.5°	515.3	515.3	515.3	493.4	466.0	466.0	471.4	444.0	449.5	444.0
50°	466.0	466.0	476.9	455.0	433.1	416.6	422.1	400.2	405.7	400.2
52.5°	427.6	427.6	427.6	416.6	400.2	389.2	378.3	367.3	361.8	356.3
55°	411.1	411.1	405.7	372.8	367.3	356.3	334.4	328.9	318.0	312.5
57.5°	383.7	383.7	378.3	350.8	328.9	328.9	296.0	290.5	274.1	274.1
60°	339.9	339.9	334.4	328.9	301.5	285.1	263.1	252.2	235.7	230.2
62.5°	323.4	323.4	312.5	285.1	279.6	252.2	230.2	208.3	197.4	186.4
65°	301.5	296.0	290.5	263.1	241.2	224.8	197.4	169.9	159.0	137.0
67.5°	268.6	268.6	263.1	241.2	219.3	191.9	164.5	142.5	115.1	98.7
70°	235.7	230.2	230.2	208.3	191.9	169.9	131.6	109.6	82.2	65.8
72.5°	197.4	197.4	191.9	175.4	164.5	148.0	115.1	87.7	54.8	43.9
75°	159.0	159.0	153.5	142.5	137.0	120.6	98.7	76.7	43.9	21.9
77.5°	131.6	126.1	126.1	115.1	109.6	98.7	82.2	60.3	32.9	16.4
80°	98.7	98.7	104.2	98.7	87.7	82.2	71.3	54.8	27.4	11.0
82.5°	71.3	71.3	76.7	76.7	76.7	71.3	71.3	54.8	27.4	5.5
85°	49.3	49.3	60.3	54.8	54.8	60.3	87.7	71.3	21.9	5.5
87.5°	27.4	27.4	27.4	21.9	21.9	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°  
438069.4  
430444.0  
409437.1  
373173.9  
325705.5  
271773.9  
218659.2  
170911.2  
131709.7  
104656.2  
80108.0  
44212.1  
27382.4  
17624.5  
10234.8  
5443.6  
2927.4  
1787.1  
1299.2  
1030.6  
899.0  
800.4  
685.2  
586.6  
498.9  
444.0  
400.2  
356.3  
307.0  
274.1  
219.3  
180.9  
131.6  
98.7  
65.8  
38.4  
21.9  
11.0  
5.5  
5.5  
5.5  
5.5  
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