

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: P636050

Luminaire Tested: **IFLD-S-SA3E-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636050
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17018.7 lumens
Efficiency: N/A
Efficacy: 73.3 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

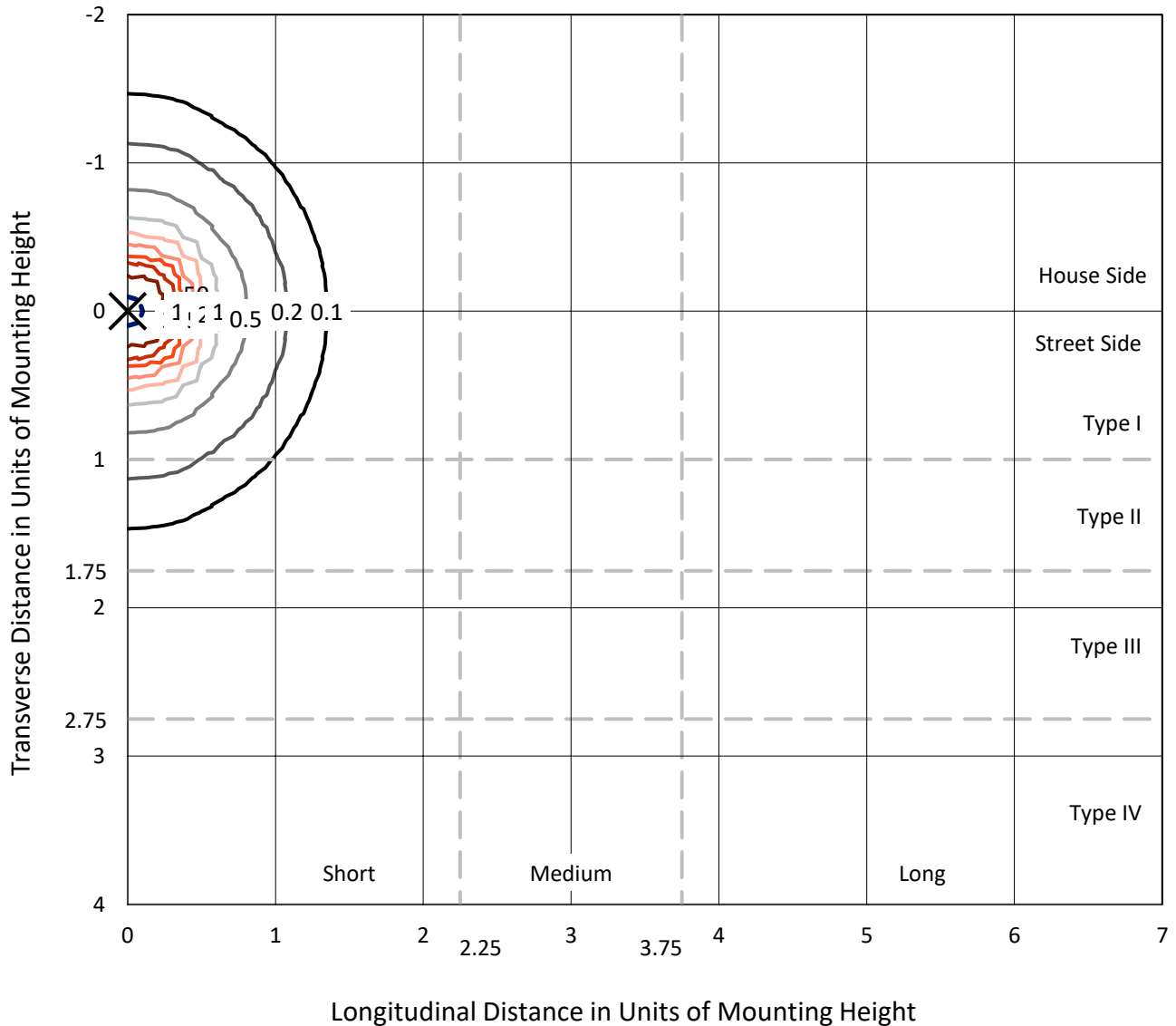
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

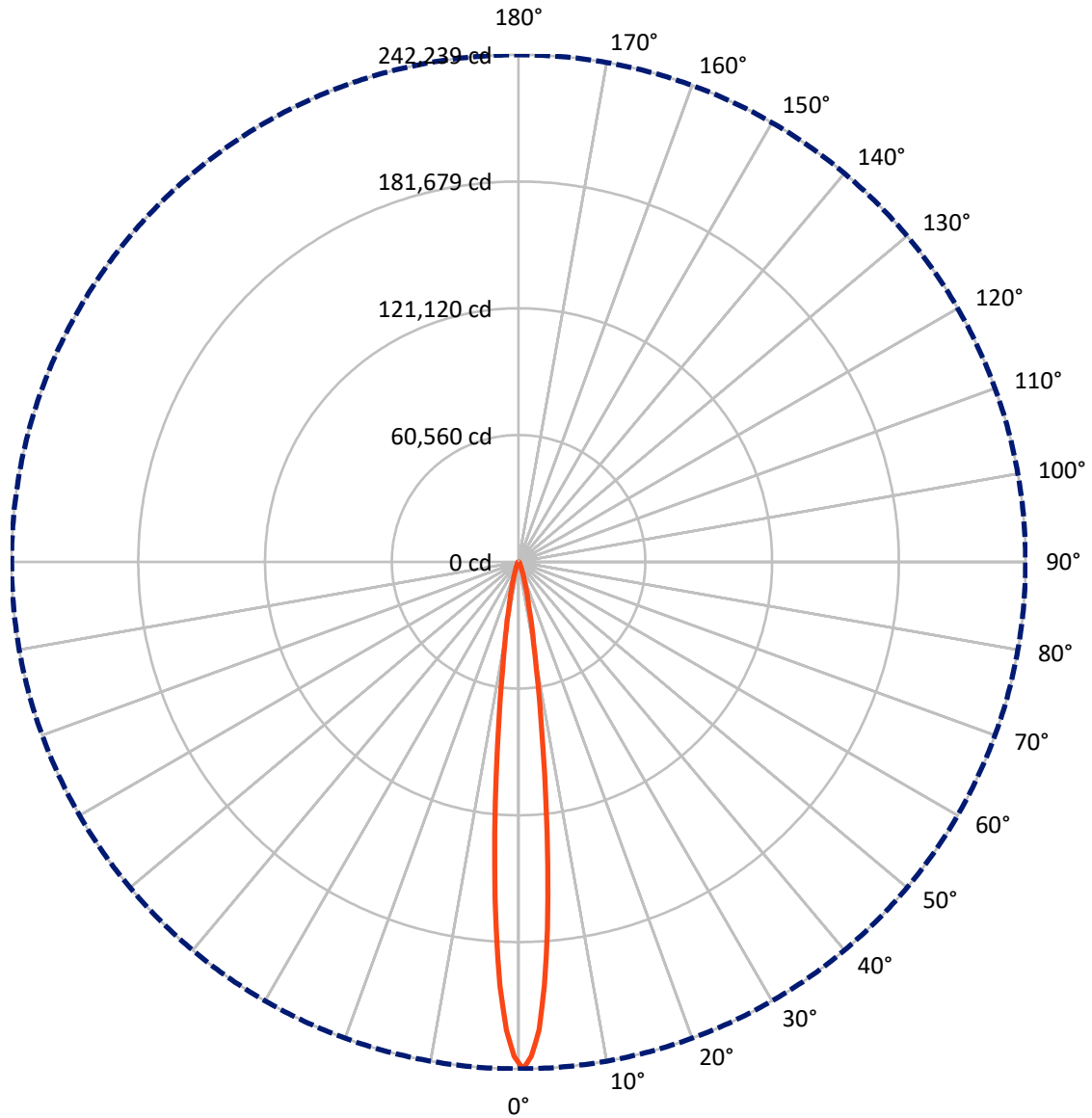
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 605.6 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	8509.4	0.0	8509.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8509.4	0.0	8509.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17018.7	0.0	17018.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10374.3	61.0
10°-20°	4647.7	27.3
20°-30°	1037.9	6.1
30°-40°	338.8	2.0
40°-50°	233.6	1.4
50°-60°	176.5	1.0
60°-70°	120.8	0.7
70°-80°	63.6	0.4
80°-90°	25.4	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°	17018.7	100.0
0°-180°	17018.7	100.0

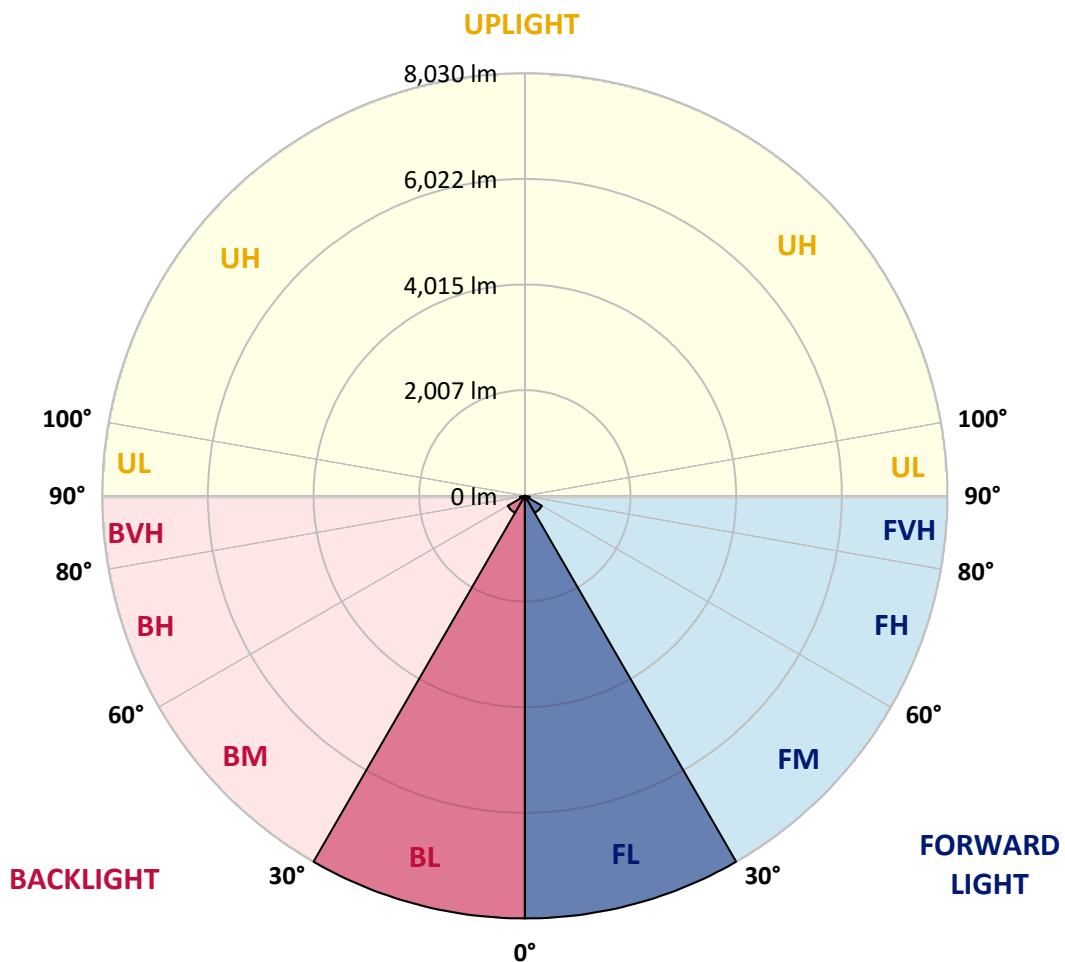


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8030.0	47.2			
FM (30°-60°)	374.5	2.2			
FH (60°-80°)	92.2	0.5			G0/660
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	8030.0	47.2	B5		
BM (30°-60°)	374.5	2.2	B1/1000		
BH (60°-80°)	92.2	0.5	B0/110		G0/660
BVH (80°-90°)	12.7	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°	242239.1	242239.1	242239.1	242239.1	242239.1	242239.1	242239.1	242239.1	242239.1	242239.1
1°	236224.9	236546.2	236188.5	237995.2	238740.9	239128.9	239174.4	240192.9	239407.8	239626.0
2°	223775.1	224490.5	223293.1	224451.0	226767.0	227643.1	226215.3	227979.5	227349.0	227715.8
3°	202855.6	203731.7	202076.6	203492.2	206472.0	207138.9	204798.7	207305.7	207242.0	207769.5
4°	175891.7	177313.4	174948.9	176625.3	177943.9	180265.9	177998.5	180851.0	180796.4	181711.9
5°	145284.0	146820.9	144765.7	146505.7	147754.6	148618.5	147787.9	150943.6	151143.6	152089.4
6°	115334.2	116768.0	114473.3	116134.5	118113.9	118468.6	118253.4	120969.5	121572.7	120836.1
7°	88761.3	89119.0	88758.2	90267.9	91856.3	91913.9	92192.8	94581.5	95112.0	94857.3
8°	67978.3	66341.3	67747.9	68548.2	69039.2	71294.6	71461.3	72664.7	73640.8	73710.6
9°	51745.3	50229.6	51857.5	52175.8	53303.4	55307.2	55055.6	56371.2	56983.5	56944.1
10°	39450.1	38680.2	39495.6	39847.2	40774.8	42472.4	42766.4	43369.7	43824.4	44121.5
12.5°	21407.5	21586.3	22059.2	22429.0	23678.0	24129.6	24311.5	24363.0	24360.0	24408.5
15°	13298.6	13444.1	13774.5	14444.4	15205.3	15766.1	15844.9	15553.9	15302.3	15262.9
17.5°	8293.8	8236.2	9012.2	9745.8	10661.3	10952.3	10649.2	10315.7	9973.2	9776.1
20°	4977.5	5016.9	5280.6	5608.0	6347.7	6850.9	6535.6	6196.1	5841.4	5608.0
22.5°	2828.3	2870.7	2985.9	3155.6	3437.6	3895.3	3695.2	3352.7	3101.1	2998.0
25°	1670.3	1670.3	1740.0	1815.8	1934.0	2040.1	1997.7	1815.8	1667.2	1624.8
27.5°	1082.2	1073.1	1097.4	1133.7	1188.3	1194.4	1145.9	1091.3	1015.5	988.2
30°	791.2	794.2	791.2	806.3	803.3	782.1	751.8	754.8	724.5	721.5
32.5°	642.6	645.7	645.7	642.6	627.5	594.1	572.9	594.1	588.1	582.0
35°	533.5	536.6	566.9	563.8	539.6	503.2	488.0	512.3	530.5	503.2
37.5°	460.8	463.8	488.0	500.2	469.9	445.6	427.4	448.6	475.9	445.6
40°	406.2	409.2	415.3	418.3	403.2	391.0	382.0	388.0	400.1	385.0
42.5°	357.7	354.7	357.7	354.7	336.5	342.5	336.5	327.4	336.5	324.4
45°	312.2	312.2	312.2	303.1	284.9	297.1	291.0	281.9	284.9	275.9
47.5°	284.9	284.9	284.9	272.8	257.7	257.7	260.7	245.5	248.6	245.5
50°	257.7	257.7	263.7	251.6	239.5	230.4	233.4	221.3	224.3	221.3
52.5°	236.4	236.4	236.4	230.4	221.3	215.2	209.2	203.1	200.1	197.0
55°	227.4	227.4	224.3	206.1	203.1	197.0	184.9	181.9	175.8	172.8
57.5°	212.2	212.2	209.2	194.0	181.9	181.9	163.7	160.7	151.6	151.6
60°	187.9	187.9	184.9	181.9	166.7	157.6	145.5	139.4	130.3	127.3
62.5°	178.9	178.9	172.8	157.6	154.6	139.4	127.3	115.2	109.1	103.1
65°	166.7	163.7	160.7	145.5	133.4	124.3	109.1	94.0	87.9	75.8
67.5°	148.5	148.5	145.5	133.4	121.3	106.1	90.9	78.8	63.7	54.6
70°	130.3	127.3	127.3	115.2	106.1	94.0	72.8	60.6	45.5	36.4
72.5°	109.1	109.1	106.1	97.0	90.9	81.8	63.7	48.5	30.3	24.3
75°	87.9	87.9	84.9	78.8	75.8	66.7	54.6	42.4	24.3	12.1
77.5°	72.8	69.7	69.7	63.7	60.6	54.6	45.5	33.3	18.2	9.1
80°	54.6	54.6	57.6	54.6	48.5	45.5	39.4	30.3	15.2	6.1
82.5°	39.4	39.4	42.4	42.4	42.4	39.4	39.4	30.3	15.2	3.0
85°	27.3	27.3	33.3	30.3	30.3	33.3	48.5	39.4	12.1	3.0
87.5°	15.2	15.2	15.2	12.1	12.1	15.2	18.2	15.2	6.1	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
242239.1
238022.4
226406.3
206353.8
180105.3
150282.7
120911.9
94508.7
72831.5
57871.7
44297.3
24447.9
15141.6
9745.8
5659.6
3010.1
1618.7
988.2
718.4
569.9
497.1
442.6
378.9
324.4
275.9
245.5
221.3
197.0
169.8
151.6
121.3
100.0
72.8
54.6
36.4
21.2
12.1
6.1
3.0
3.0
3.0
3.0
0.0

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