

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: P636061

Luminaire Tested: **IFLD-L-SA7A-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636061
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-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: 19748.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

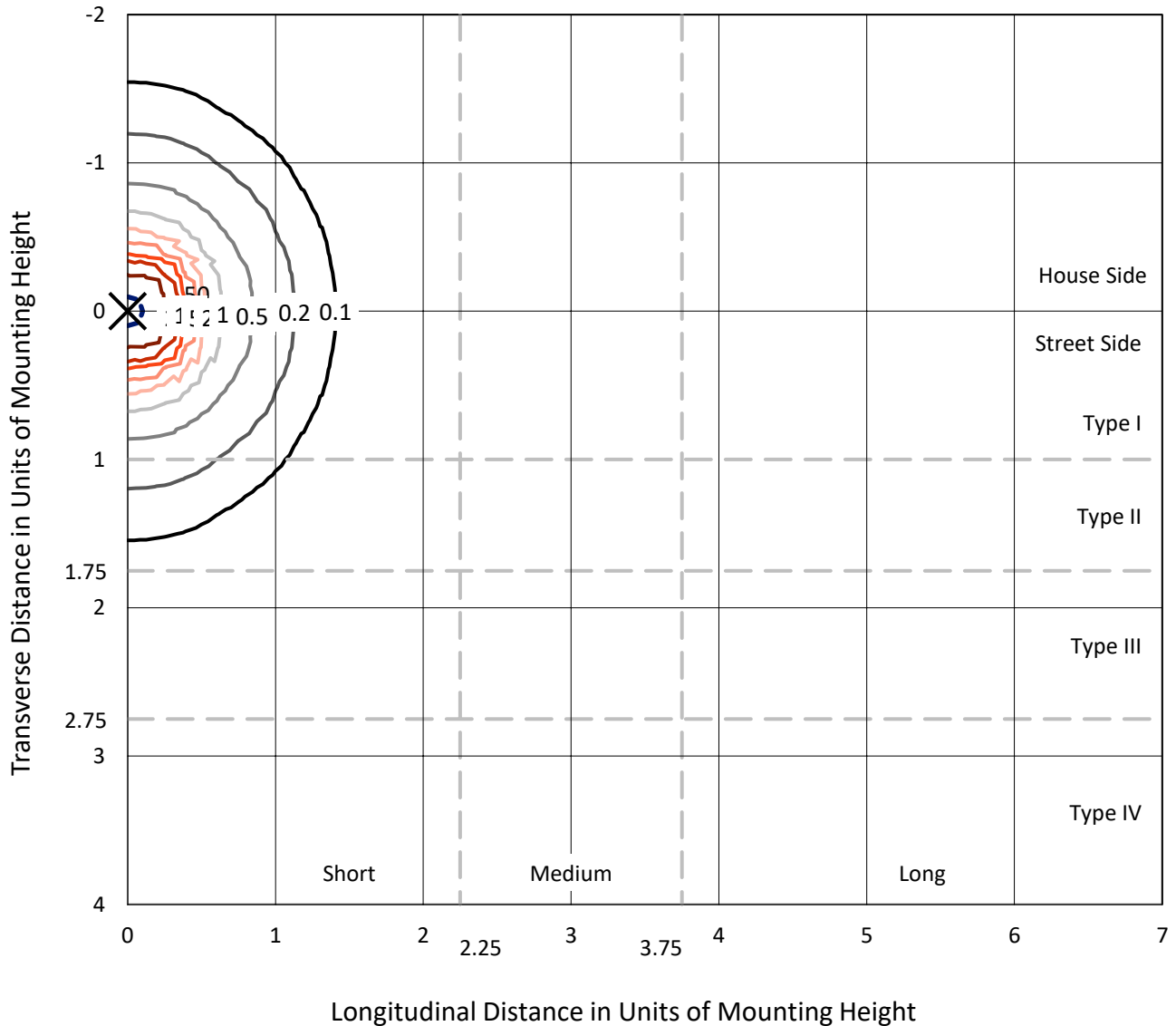
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

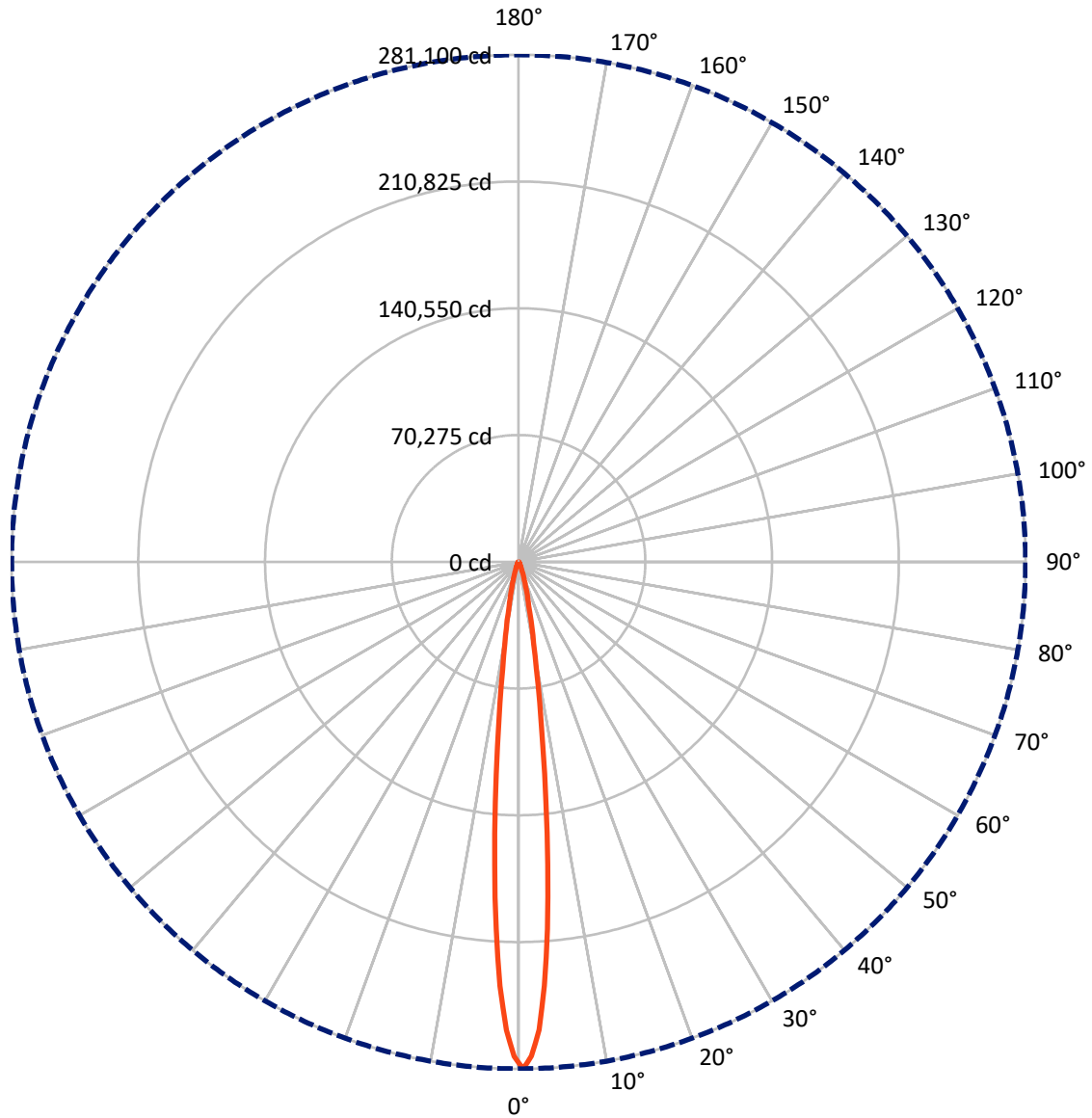
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 702.8 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	9874.5	0.0	9874.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9874.5	0.0	9874.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19748.9	0.0	19748.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12038.6	61.0
10°-20°	5393.4	27.3
20°-30°	1204.5	6.1
30°-40°	393.1	2.0
40°-50°	271.1	1.4
50°-60°	204.8	1.0
60°-70°	140.2	0.7
70°-80°	73.8	0.4
80°-90°	29.5	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°	19748.9	100.0
0°-180°	19748.9	100.0

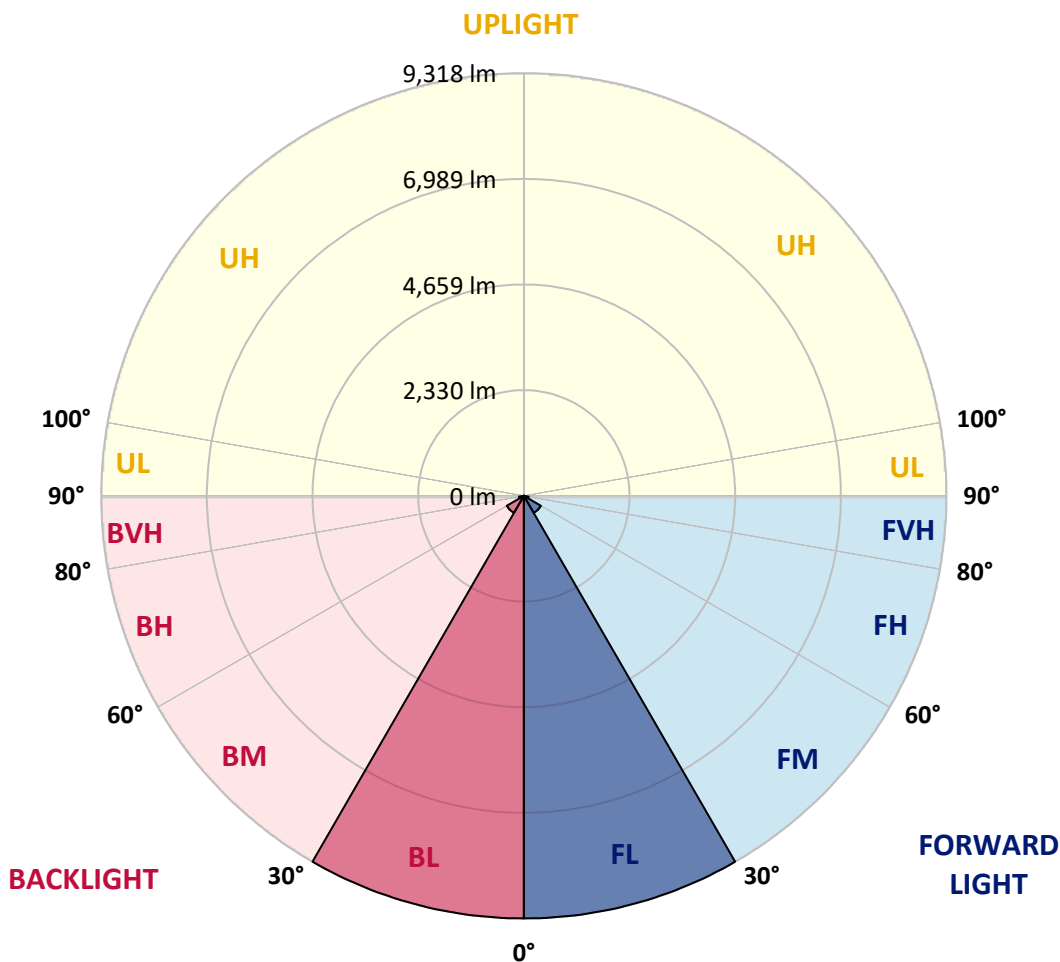


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9318.2	47.2			
FM (30°-60°)	434.5	2.2			
FH (60°-80°)	107.0	0.5			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	9318.2	47.2	B5		
BM (30°-60°)	434.5	2.2	B1/1000		
BH (60°-80°)	107.0	0.5	B0/110		G0/660
BVH (80°-90°)	14.7	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°	281100.1	281100.1	281100.1	281100.1	281100.1	281100.1	281100.1	281100.1	281100.1	281100.1
1°	274121.0	274493.9	274078.8	276175.3	277040.7	277490.9	277543.7	278725.6	277814.6	278067.8
2°	259674.0	260504.1	259114.7	260458.4	263145.9	264162.5	262505.7	264553.0	263821.3	264246.9
3°	235398.6	236415.2	234494.5	236137.3	239595.1	240369.0	237653.4	240562.5	240488.6	241100.7
4°	204108.9	205758.7	203015.0	204960.2	206490.4	209184.9	206553.7	209863.8	209800.5	210862.9
5°	168591.1	170374.5	167989.6	170008.7	171458.0	172460.5	171496.7	175158.6	175390.7	176488.2
6°	133836.6	135500.4	132837.6	134765.2	137062.3	137473.8	137224.1	140375.9	141075.9	140221.1
7°	103000.7	103415.8	102997.2	104749.0	106592.3	106659.1	106982.7	109754.6	110370.2	110074.7
8°	78883.6	76984.1	78616.3	79544.9	80114.8	82731.9	82925.4	84321.9	85454.6	85535.5
9°	60046.5	58287.7	60176.7	60546.0	61854.6	64179.8	63887.8	65414.5	66125.1	66079.3
10°	45778.9	44885.4	45831.6	46239.7	47316.1	49286.0	49627.2	50327.2	50854.9	51199.6
12.5°	24841.7	25049.3	25598.0	26027.2	27476.5	28000.6	28211.7	28271.5	28267.9	28324.2
15°	15432.0	15600.8	15984.3	16761.7	17644.6	18295.4	18386.8	18049.1	17757.2	17711.4
17.5°	9624.3	9557.5	10458.0	11309.3	12371.6	12709.3	12357.6	11970.6	11573.1	11344.5
20°	5776.0	5821.7	6127.8	6507.7	7366.0	7949.9	7584.1	7190.1	6778.5	6507.7
22.5°	3282.0	3331.2	3464.9	3661.9	3989.0	4520.2	4288.0	3890.5	3598.6	3479.0
25°	1938.2	1938.2	2019.1	2107.1	2244.3	2367.4	2318.1	2107.1	1934.7	1885.5
27.5°	1255.8	1245.3	1273.4	1315.6	1378.9	1386.0	1329.7	1266.4	1178.4	1146.8
30°	918.1	921.6	918.1	935.7	932.2	907.6	872.4	875.9	840.7	837.2
32.5°	745.7	749.3	749.3	745.7	728.2	689.5	664.8	689.5	682.4	675.4
35°	619.1	622.6	657.8	654.3	626.1	583.9	566.3	594.5	615.6	583.9
37.5°	534.7	538.2	566.3	580.4	545.2	517.1	496.0	520.6	552.3	517.1
40°	471.4	474.9	481.9	485.4	467.8	453.8	443.2	450.3	464.3	446.7
42.5°	415.1	411.6	415.1	411.6	390.5	397.5	390.5	379.9	390.5	376.4
45°	362.3	362.3	362.3	351.8	330.7	344.7	337.7	327.1	330.7	320.1
47.5°	330.7	330.7	330.7	316.6	299.0	299.0	302.5	284.9	288.4	284.9
50°	299.0	299.0	306.0	292.0	277.9	267.3	270.9	256.8	260.3	256.8
52.5°	274.4	274.4	274.4	267.3	256.8	249.8	242.7	235.7	232.2	228.6
55°	263.8	263.8	260.3	239.2	235.7	228.6	214.6	211.1	204.0	200.5
57.5°	246.2	246.2	242.7	225.1	211.1	211.1	190.0	186.4	175.9	175.9
60°	218.1	218.1	214.6	211.1	193.5	182.9	168.8	161.8	151.3	147.7
62.5°	207.5	207.5	200.5	182.9	179.4	161.8	147.7	133.7	126.6	119.6
65°	193.5	190.0	186.4	168.8	154.8	144.2	126.6	109.0	102.0	87.9
67.5°	172.4	172.4	168.8	154.8	140.7	123.1	105.5	91.5	73.9	63.3
70°	151.3	147.7	147.7	133.7	123.1	109.0	84.4	70.4	52.8	42.2
72.5°	126.6	126.6	123.1	112.6	105.5	95.0	73.9	56.3	35.2	28.1
75°	102.0	102.0	98.5	91.5	87.9	77.4	63.3	49.2	28.1	14.1
77.5°	84.4	80.9	80.9	73.9	70.4	63.3	52.8	38.7	21.1	10.6
80°	63.3	63.3	66.8	63.3	56.3	52.8	45.7	35.2	17.6	7.0
82.5°	45.7	45.7	49.2	49.2	49.2	45.7	45.7	35.2	17.6	3.5
85°	31.7	31.7	38.7	35.2	35.2	38.7	56.3	45.7	14.1	3.5
87.5°	17.6	17.6	17.6	14.1	14.1	17.6	21.1	17.6	7.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
281100.1
276207.0
262727.3
239458.0
208998.5
174391.7
140309.1
109670.2
84515.4
67155.7
51403.6
28370.0
17570.7
11309.3
6567.5
3493.0
1878.4
1146.8
833.7
661.3
576.9
513.6
439.7
376.4
320.1
284.9
256.8
228.6
197.0
175.9
140.7
116.1
84.4
63.3
42.2
24.6
14.1
7.0
3.5
3.5
3.5
3.5
0.0

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