

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: P636206

Luminaire Tested: **IFLD-L-SA7A-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636206
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-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19889.3 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

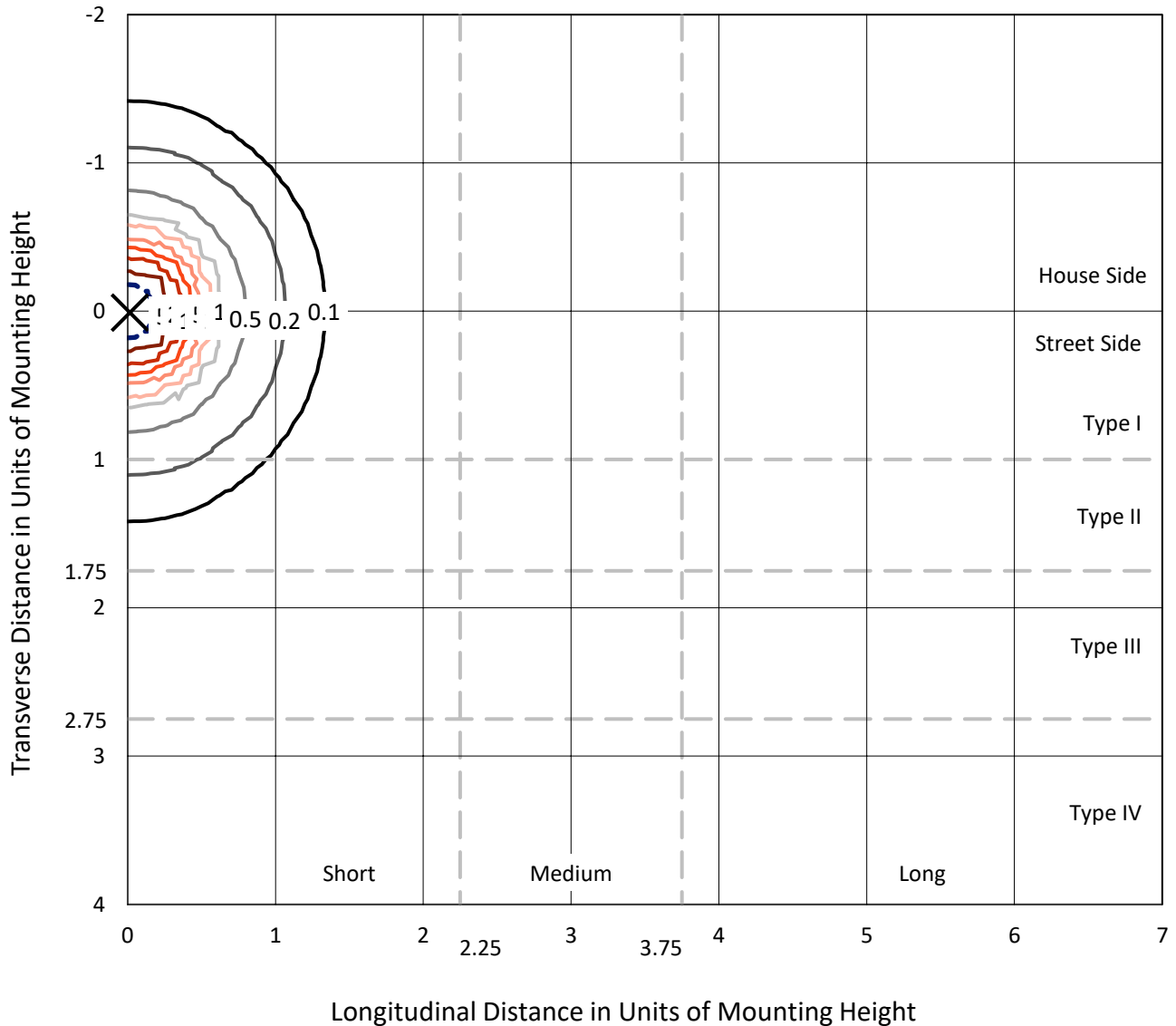
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

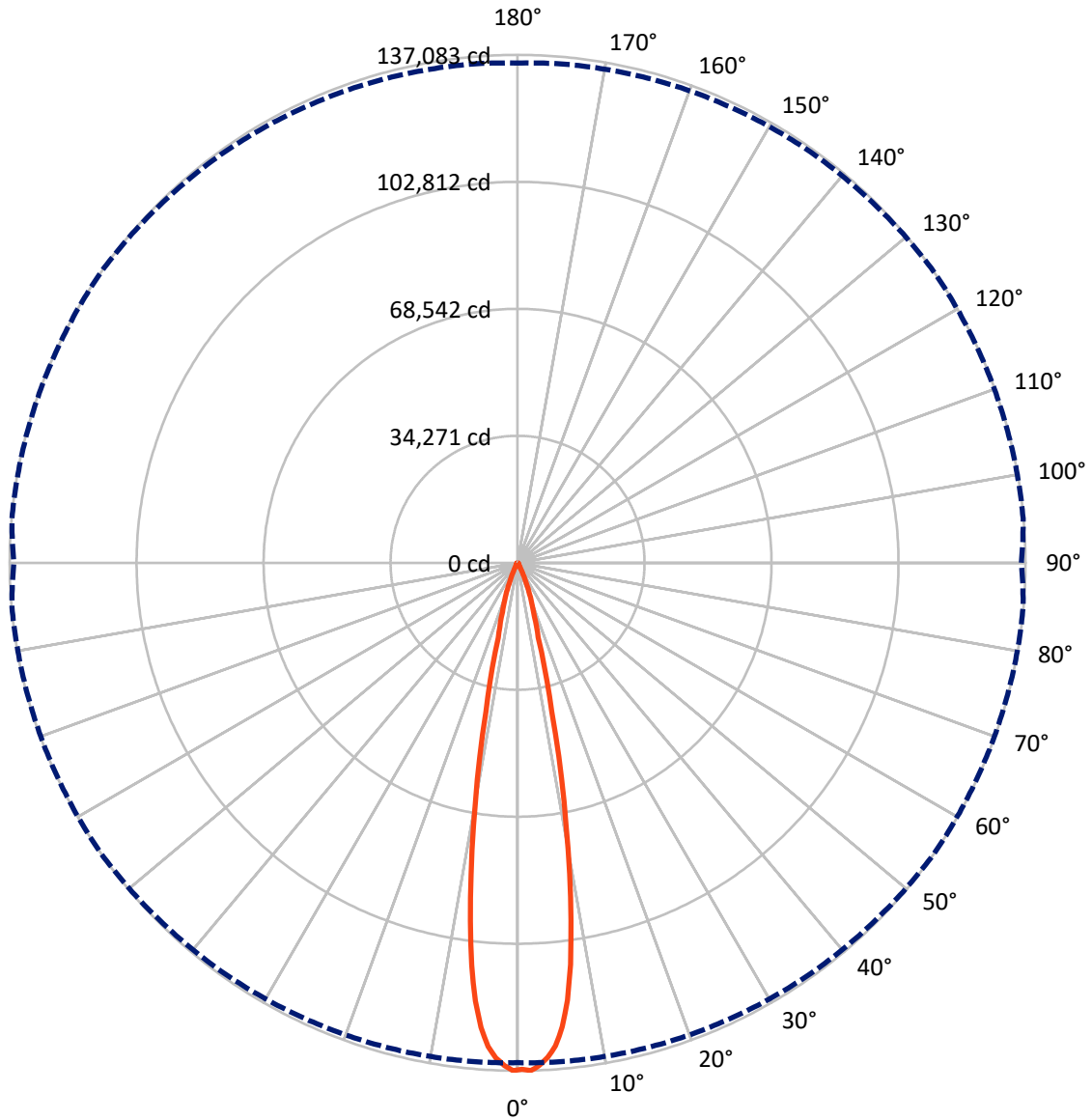
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 341.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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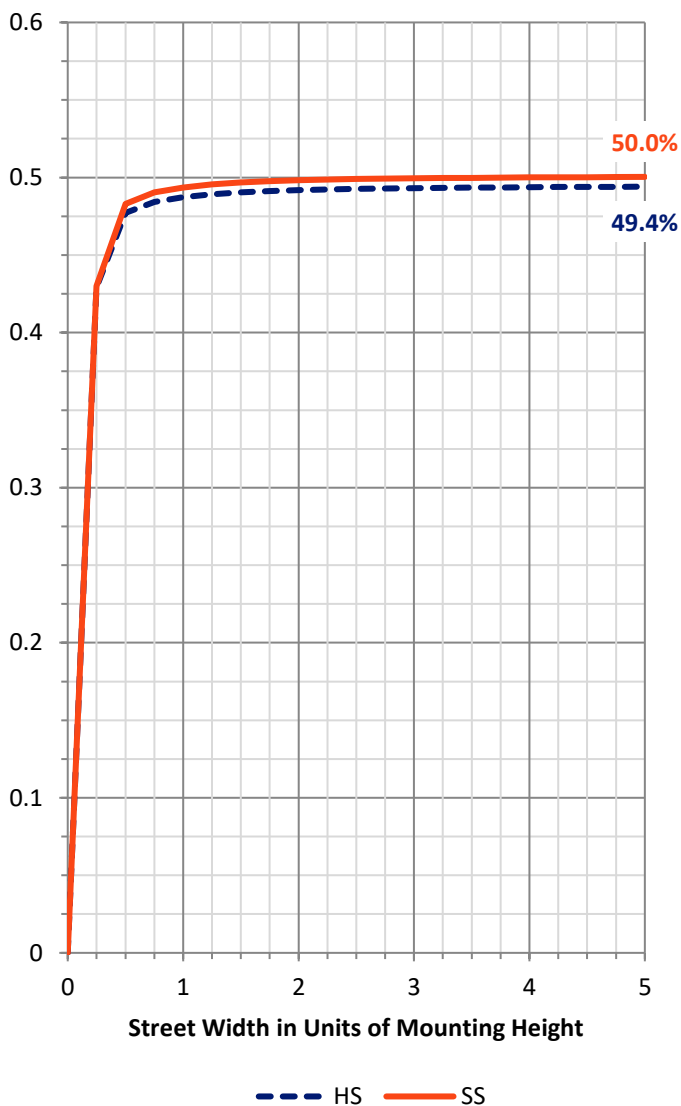
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9944.6	0.0	9944.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9944.6	0.0	9944.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	19889.3	0.0	19889.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10105.2	50.8
10°-20°	7161.7	36.0
20°-30°	1678.1	8.4
30°-40°	350.7	1.8
40°-50°	226.3	1.1
50°-60°	167.6	0.8
60°-70°	113.9	0.6
70°-80°	60.8	0.3
80°-90°	24.9	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°	19889.3	100.0
0°-180°	19889.3	100.0

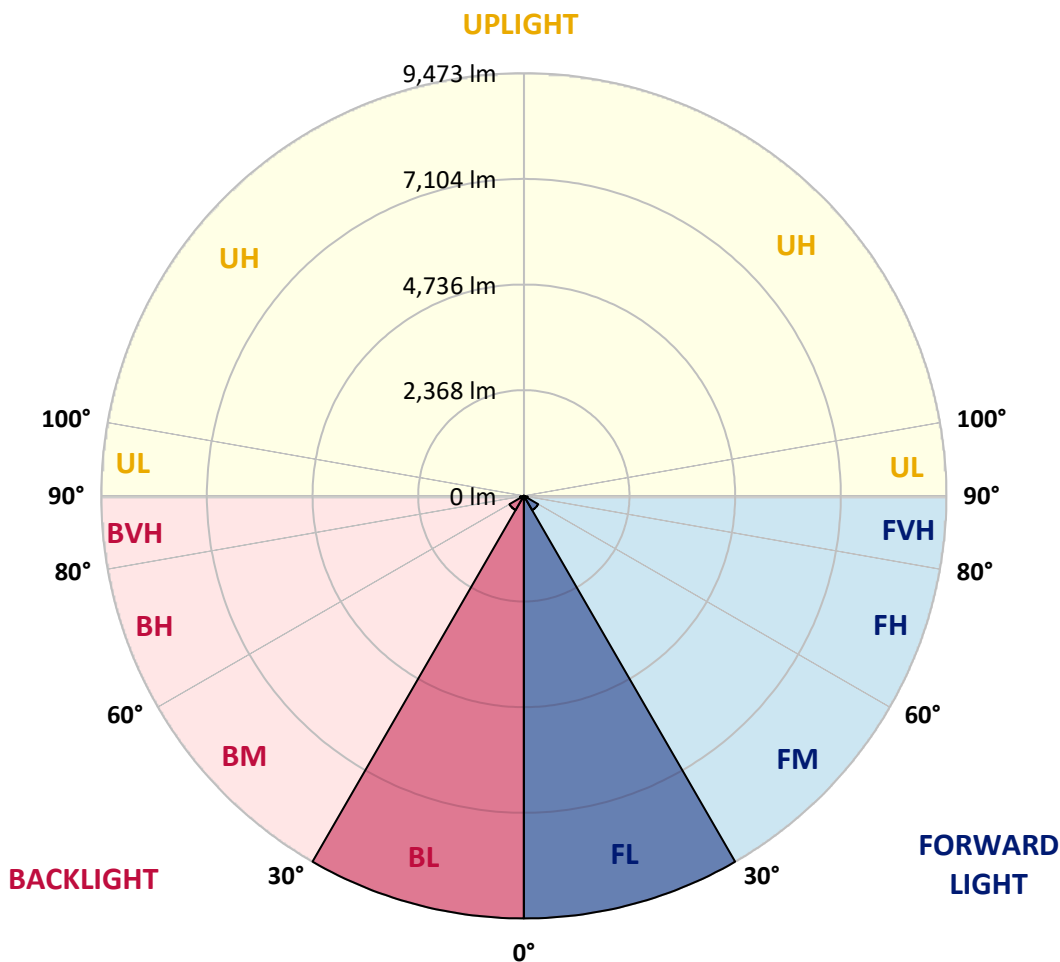


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9472.5	47.6			
FM (30°-60°)	372.3	1.9			
FH (60°-80°)	87.4	0.4			G0/660
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	9472.5	47.6	B5		
BM (30°-60°)	372.3	1.9	B1/1000		
BH (60°-80°)	87.4	0.4	B0/110		G0/660
BVH (80°-90°)	12.5	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°	136731.4	136731.4	136731.4	136731.4	136731.4	136731.4	136731.4	136731.4	136731.4	136731.4
1°	134891.8	135141.5	135447.5	135725.4	136144.0	136485.2	137083.1	136956.5	136938.9	136963.5
2°	132278.4	132591.4	133062.7	133340.6	134420.5	134863.6	135767.6	136034.9	135820.4	136063.1
3°	128363.5	128620.3	129358.9	129904.1	131304.0	132500.0	133709.9	134110.9	133861.2	133973.7
4°	123703.0	123966.8	124860.2	125971.7	127994.2	129320.2	130769.4	131128.2	130312.1	130368.4
5°	118156.1	118279.2	119373.1	120386.1	122806.0	124413.5	125788.8	125901.3	125155.7	124870.7
6°	111916.2	111694.6	112700.6	113129.7	116137.1	117776.2	118782.2	118652.0	118085.7	117843.0
7°	104501.6	104199.1	105011.6	104779.4	107442.1	108377.7	109345.0	108901.8	108451.6	109010.8
8°	95922.7	95753.8	95229.7	96179.4	96707.0	97544.2	97540.7	97283.9	97269.8	98201.9
9°	83450.0	85008.2	84547.4	85542.8	85409.2	85370.5	85113.7	84948.4	84244.9	85317.7
10°	69753.3	70773.3	71550.7	73035.0	72746.6	73154.6	71726.6	71969.2	71501.4	72387.8
12.5°	36106.0	37252.6	37924.5	39057.1	40302.2	41575.5	41164.0	40738.4	40101.7	40882.6
15°	17773.4	18227.1	18441.7	19591.8	20478.2	20798.3	20847.6	20471.2	20309.4	20478.2
17.5°	10907.4	11065.7	11688.3	13010.8	13777.6	13967.5	13844.4	13432.9	12972.1	12778.7
20°	7896.5	7942.3	8177.9	8434.7	9458.3	9992.9	9795.9	9391.4	8965.8	8765.3
22.5°	5156.5	5202.2	5279.6	5420.3	5694.6	6355.9	6141.4	5867.0	5578.6	5518.8
25°	2919.4	2919.4	3000.3	3144.5	3348.6	3397.8	3440.0	3148.1	3014.4	2954.6
27.5°	1628.6	1639.1	1656.7	1713.0	1815.0	1804.4	1758.7	1681.3	1589.9	1494.9
30°	900.5	911.0	921.6	935.6	953.2	921.6	893.4	879.3	840.7	830.1
32.5°	675.3	675.3	682.4	678.9	661.3	622.6	605.0	626.1	622.6	605.0
35°	555.7	555.7	562.8	576.9	541.7	513.5	499.5	527.6	527.6	517.1
37.5°	453.7	457.3	460.8	478.4	467.8	436.2	432.6	439.7	443.2	439.7
40°	397.5	393.9	393.9	397.5	390.4	383.4	376.4	372.8	376.4	372.8
42.5°	344.7	341.2	348.2	341.2	327.1	330.6	330.6	320.1	323.6	316.6
45°	302.5	299.0	302.5	295.5	284.9	288.4	288.4	274.4	274.4	270.8
47.5°	267.3	267.3	267.3	270.8	253.3	249.7	253.3	249.7	239.2	235.7
50°	232.1	235.7	239.2	246.2	228.6	221.6	221.6	221.6	214.6	211.0
52.5°	214.6	218.1	218.1	218.1	207.5	200.5	200.5	197.0	193.5	189.9
55°	207.5	207.5	207.5	193.5	189.9	186.4	175.9	172.4	168.8	168.8
57.5°	197.0	197.0	193.5	182.9	172.4	172.4	158.3	154.8	151.2	151.2
60°	175.9	175.9	175.9	172.4	158.3	154.8	140.7	133.7	130.1	130.1
62.5°	161.8	161.8	161.8	147.7	144.2	133.7	123.1	112.6	109.0	102.0
65°	147.7	147.7	147.7	133.7	126.6	116.1	102.0	91.5	84.4	73.9
67.5°	137.2	137.2	133.7	123.1	112.6	98.5	84.4	73.9	59.8	52.8
70°	119.6	119.6	116.1	109.0	98.5	87.9	70.3	56.3	45.7	35.2
72.5°	102.0	102.0	98.5	91.5	84.4	73.9	59.8	49.2	31.7	24.6
75°	84.4	84.4	80.9	73.9	70.3	63.3	52.8	38.7	24.6	10.6
77.5°	70.3	70.3	66.8	63.3	59.8	52.8	45.7	31.7	17.6	7.0
80°	52.8	56.3	56.3	56.3	49.2	45.7	42.2	31.7	14.1	3.5
82.5°	38.7	42.2	42.2	42.2	38.7	35.2	38.7	28.1	14.1	3.5
85°	28.1	28.1	31.7	31.7	31.7	31.7	42.2	31.7	10.6	3.5
87.5°	14.1	14.1	14.1	14.1	14.1	17.6	21.1	17.6	7.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
136731.4
135982.2
135141.5
133129.6
129531.3
124276.3
117297.8
108838.5
95616.6
83316.3
70115.6
38768.6
19690.3
12507.8
8610.6
5395.7
2905.4
1498.4
830.1
594.4
513.5
439.7
376.4
320.1
270.8
235.7
207.5
186.4
165.3
151.2
126.6
95.0
73.9
49.2
35.2
21.1
10.6
3.5
3.5
3.5
3.5
0.0
0.0

OF REPORT)