

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: P636195

Luminaire Tested: **IFLD-S-SA3E-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636195
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-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17139.6 lumens
Efficiency: N/A
Efficacy: 73.8 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

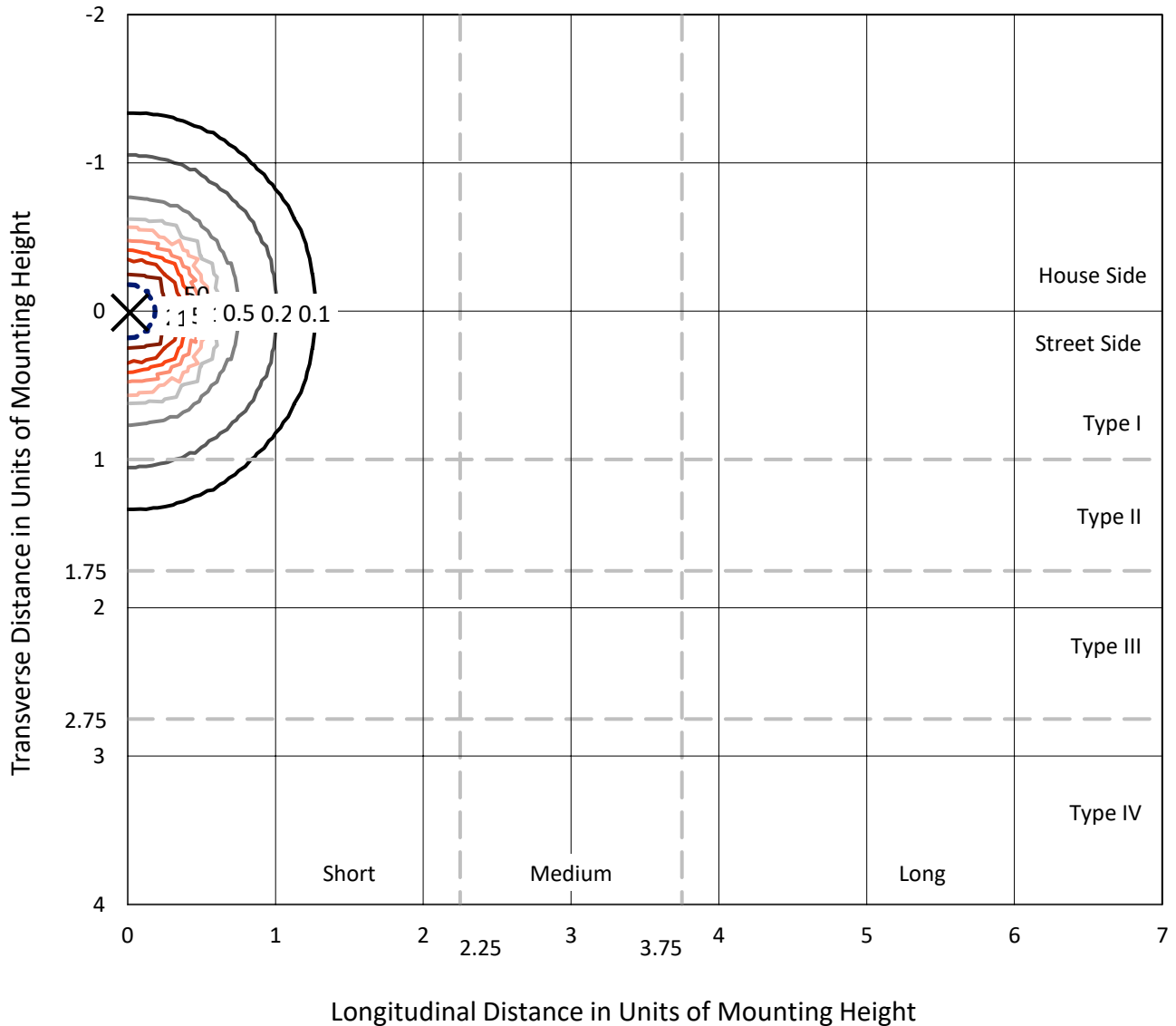
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

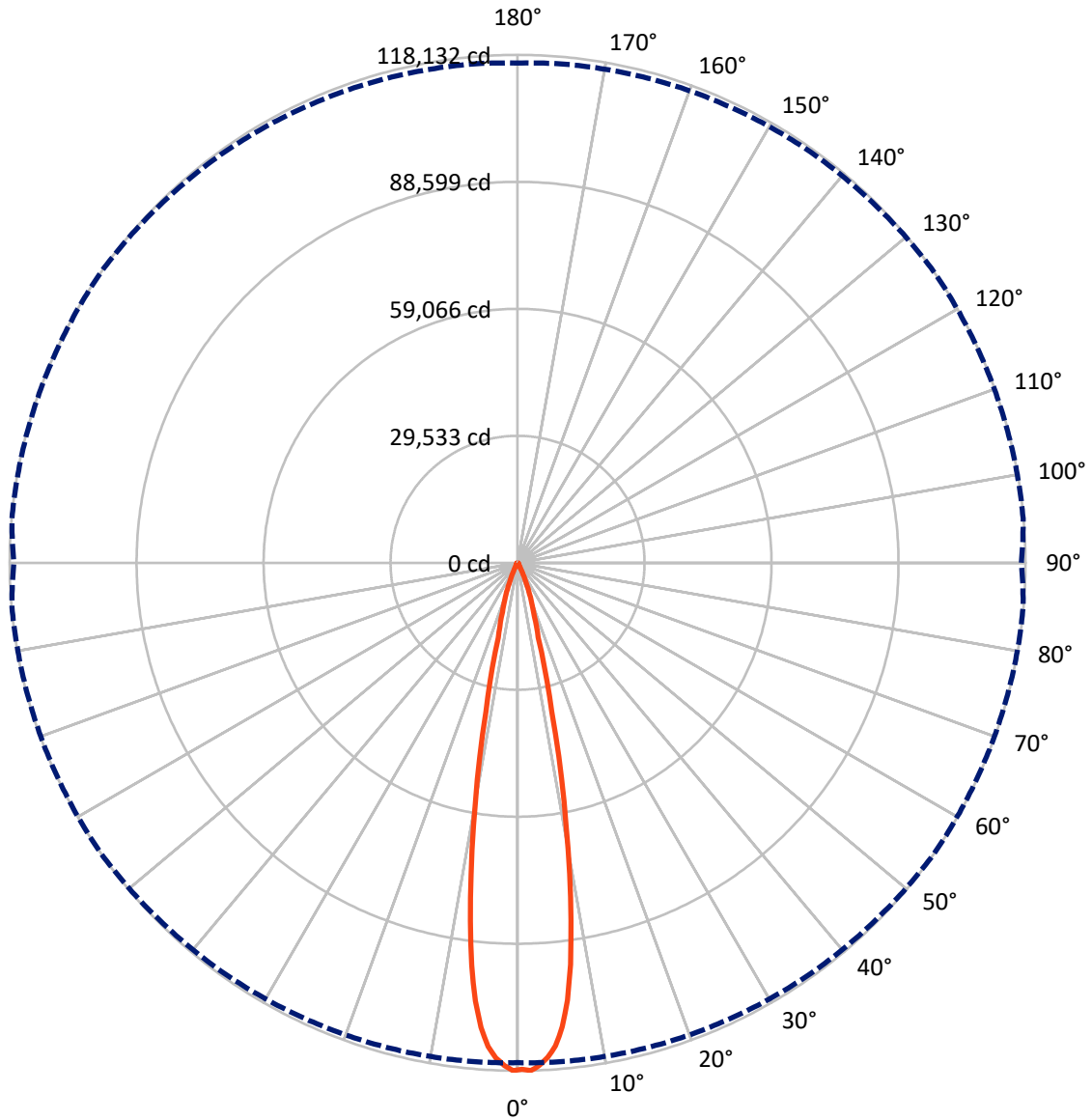
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 294.6 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-S-SA3E-935-U-33-VI

Luminous Intensity Polar Plot



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

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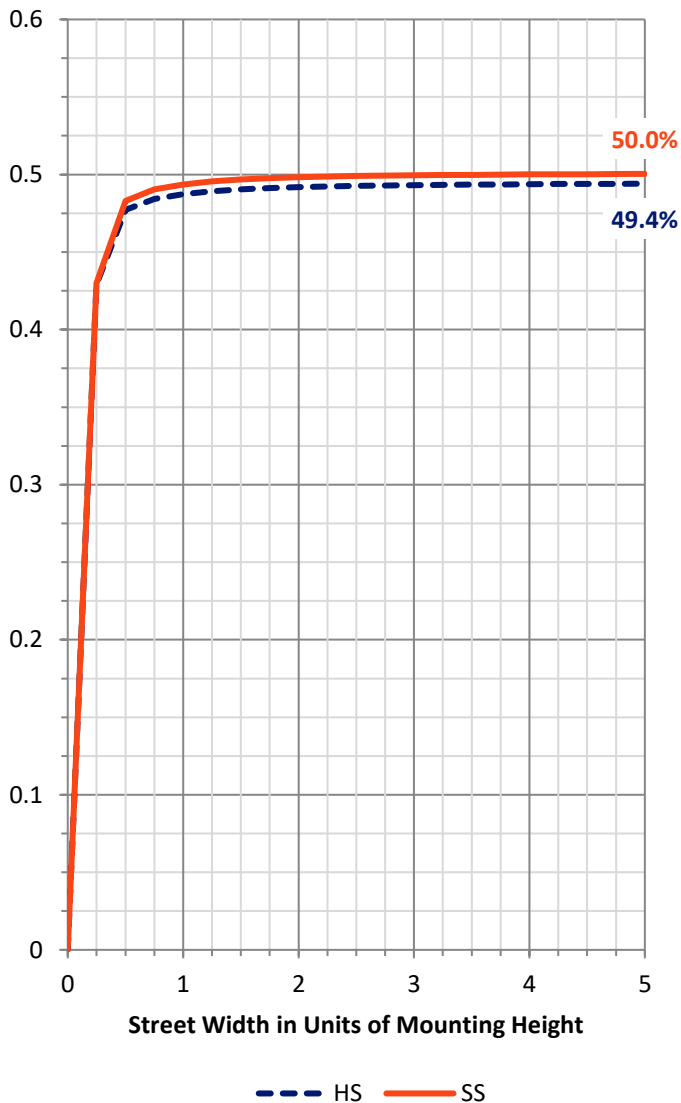
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8569.8	0.0	8569.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8569.8	0.0	8569.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17139.6	0.0	17139.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8708.2	50.8
10°-20°	6171.6	36.0
20°-30°	1446.1	8.4
30°-40°	302.3	1.8
40°-50°	195.0	1.1
50°-60°	144.4	0.8
60°-70°	98.2	0.6
70°-80°	52.4	0.3
80°-90°	21.5	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°	17139.6	100.0
0°-180°	17139.6	100.0

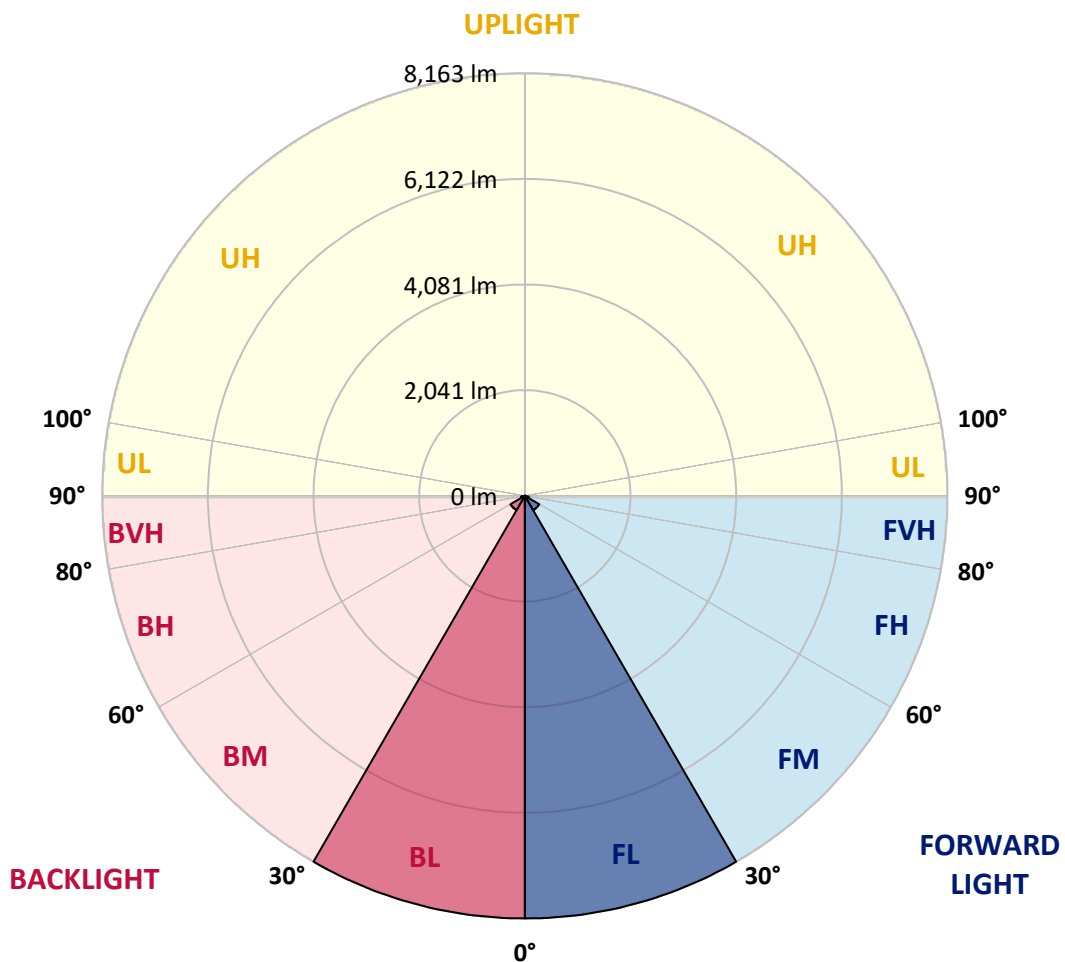


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8163.0	47.6			
FM (30°-60°)	320.8	1.9			
FH (60°-80°)	75.3	0.4			G0/660
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	8163.0	47.6	B5		
BM (30°-60°)	320.8	1.9	B1/1000		
BH (60°-80°)	75.3	0.4	B0/110		G0/660
BVH (80°-90°)	10.7	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°	117828.8	117828.8	117828.8	117828.8	117828.8	117828.8	117828.8	117828.8	117828.8	117828.8
1°	116243.5	116458.7	116722.4	116961.9	117322.6	117616.6	118131.9	118022.8	118007.6	118028.8
2°	113991.4	114261.2	114667.3	114906.8	115837.3	116219.3	116998.3	117228.6	117043.7	117252.9
3°	110617.8	110839.0	111475.6	111945.4	113151.8	114182.4	115225.1	115570.6	115355.4	115452.4
4°	106601.5	106828.9	107598.8	108556.6	110299.5	111442.2	112691.0	113000.2	112297.0	112345.5
5°	101821.4	101927.5	102870.2	103743.2	105828.6	107213.8	108399.0	108496.0	107853.4	107607.9
6°	96444.2	96253.3	97120.2	97490.0	100081.6	101494.1	102361.0	102248.8	101760.8	101551.7
7°	90054.6	89793.9	90494.1	90294.1	92588.6	93394.9	94228.5	93846.6	93458.6	93940.5
8°	82661.7	82516.2	82064.6	82883.0	83337.7	84059.1	84056.0	83834.8	83822.6	84625.9
9°	71913.4	73256.1	72859.1	73716.9	73601.7	73568.4	73347.1	73204.6	72598.4	73522.9
10°	60110.2	60989.2	61659.1	62938.2	62689.7	63041.3	61810.6	62019.8	61616.6	62380.5
12.5°	31114.5	32102.6	32681.6	33657.6	34730.6	35827.9	35473.2	35106.5	34557.8	35230.7
15°	15316.3	15707.3	15892.2	16883.3	17647.2	17923.0	17965.5	17641.1	17501.7	17647.2
17.5°	9399.5	9535.9	10072.4	11212.1	11872.9	12036.6	11930.5	11575.9	11178.8	11012.1
20°	6804.9	6844.3	7047.4	7268.6	8150.7	8611.4	8441.7	8093.1	7726.3	7553.6
22.5°	4443.6	4483.0	4549.7	4671.0	4907.4	5477.2	5292.3	5055.9	4807.4	4755.8
25°	2515.8	2515.8	2585.5	2709.8	2885.6	2928.1	2964.4	2712.9	2597.7	2546.1
27.5°	1403.4	1412.5	1427.7	1476.2	1564.1	1555.0	1515.6	1448.9	1370.1	1288.2
30°	776.0	785.1	794.2	806.3	821.4	794.2	769.9	757.8	724.4	715.3
32.5°	582.0	582.0	588.0	585.0	569.9	536.5	521.4	539.5	536.5	521.4
35°	478.9	478.9	485.0	497.1	466.8	442.5	430.4	454.7	454.7	445.6
37.5°	391.0	394.0	397.1	412.2	403.1	375.9	372.8	378.9	381.9	378.9
40°	342.5	339.5	339.5	342.5	336.5	330.4	324.3	321.3	324.3	321.3
42.5°	297.0	294.0	300.1	294.0	281.9	284.9	284.9	275.8	278.9	272.8
45°	260.7	257.6	260.7	254.6	245.5	248.6	248.6	236.4	236.4	233.4
47.5°	230.4	230.4	230.4	233.4	218.2	215.2	218.2	215.2	206.1	203.1
50°	200.1	203.1	206.1	212.2	197.0	191.0	191.0	191.0	184.9	181.9
52.5°	184.9	187.9	187.9	187.9	178.8	172.8	172.8	169.7	166.7	163.7
55°	178.8	178.8	178.8	166.7	163.7	160.6	151.6	148.5	145.5	145.5
57.5°	169.7	169.7	166.7	157.6	148.5	148.5	136.4	133.4	130.3	130.3
60°	151.6	151.6	151.6	148.5	136.4	133.4	121.2	115.2	112.2	112.2
62.5°	139.4	139.4	139.4	127.3	124.3	115.2	106.1	97.0	94.0	87.9
65°	127.3	127.3	127.3	115.2	109.1	100.0	87.9	78.8	72.7	63.7
67.5°	118.2	118.2	115.2	106.1	97.0	84.9	72.7	63.7	51.5	45.5
70°	103.1	103.1	100.0	94.0	84.9	75.8	60.6	48.5	39.4	30.3
72.5°	87.9	87.9	84.9	78.8	72.7	63.7	51.5	42.4	27.3	21.2
75°	72.7	72.7	69.7	63.7	60.6	54.6	45.5	33.3	21.2	9.1
77.5°	60.6	60.6	57.6	54.6	51.5	45.5	39.4	27.3	15.2	6.1
80°	45.5	48.5	48.5	48.5	42.4	39.4	36.4	27.3	12.1	3.0
82.5°	33.3	36.4	36.4	36.4	33.3	30.3	33.3	24.2	12.1	3.0
85°	24.2	24.2	27.3	27.3	27.3	27.3	36.4	27.3	9.1	3.0
87.5°	12.1	12.1	12.1	12.1	12.1	15.2	18.2	15.2	6.1	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°
117828.8
117183.2
116458.7
114724.9
111624.1
107095.6
101081.8
93792.0
82398.0
71798.2
60422.4
33409.0
16968.2
10778.7
7420.2
4649.7
2503.7
1291.3
715.3
512.3
442.5
378.9
324.3
275.8
233.4
203.1
178.8
160.6
142.5
130.3
109.1
81.8
63.7
42.4
30.3
18.2
9.1
3.0
3.0
3.0
3.0
0.0
0.0

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