

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: P636166

Luminaire Tested: **IFLD-S-SA3E-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636166  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16520.1 lumens  
Efficiency: N/A  
Efficacy: 71.2 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

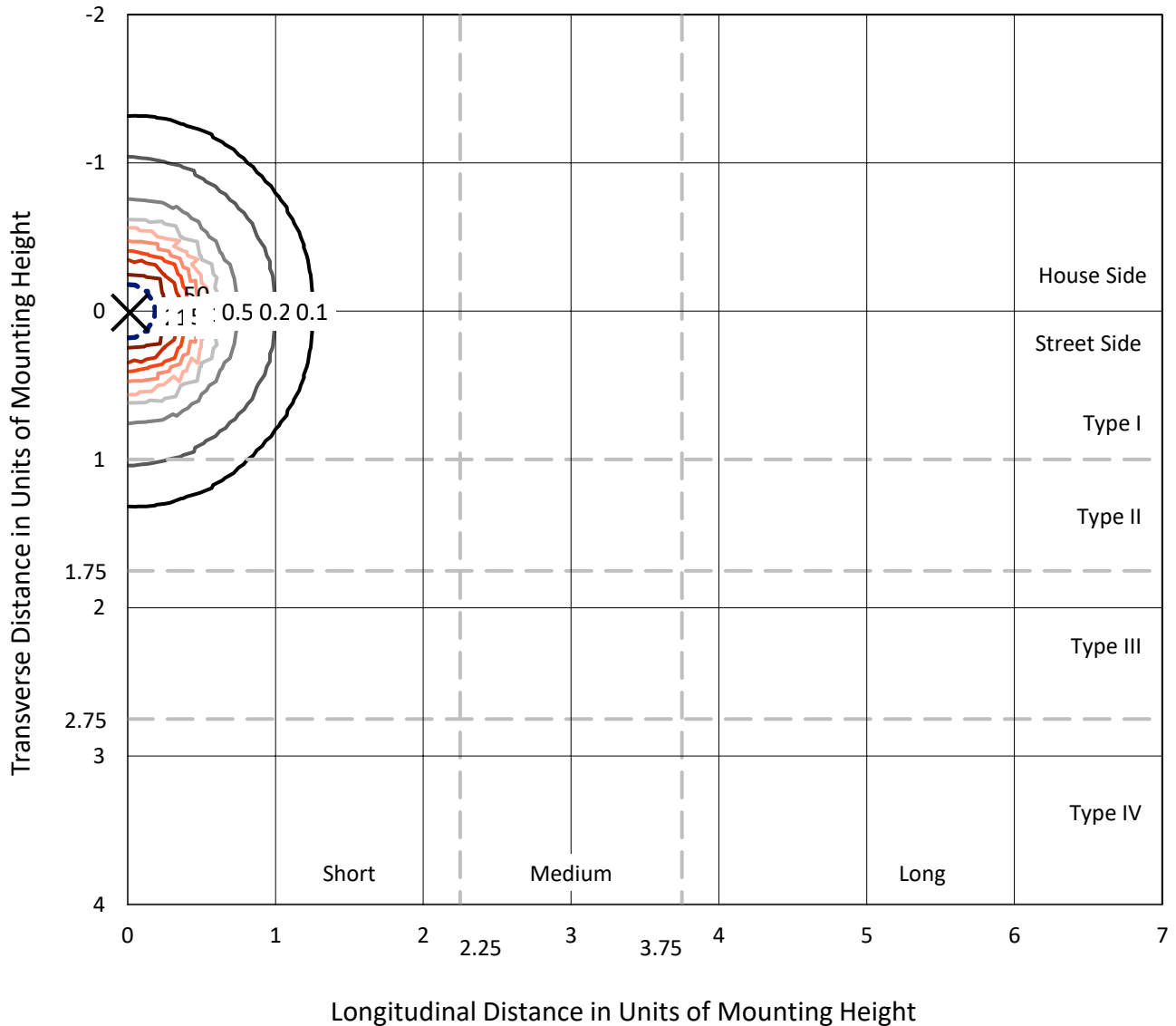
Input Watts (W): 232.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

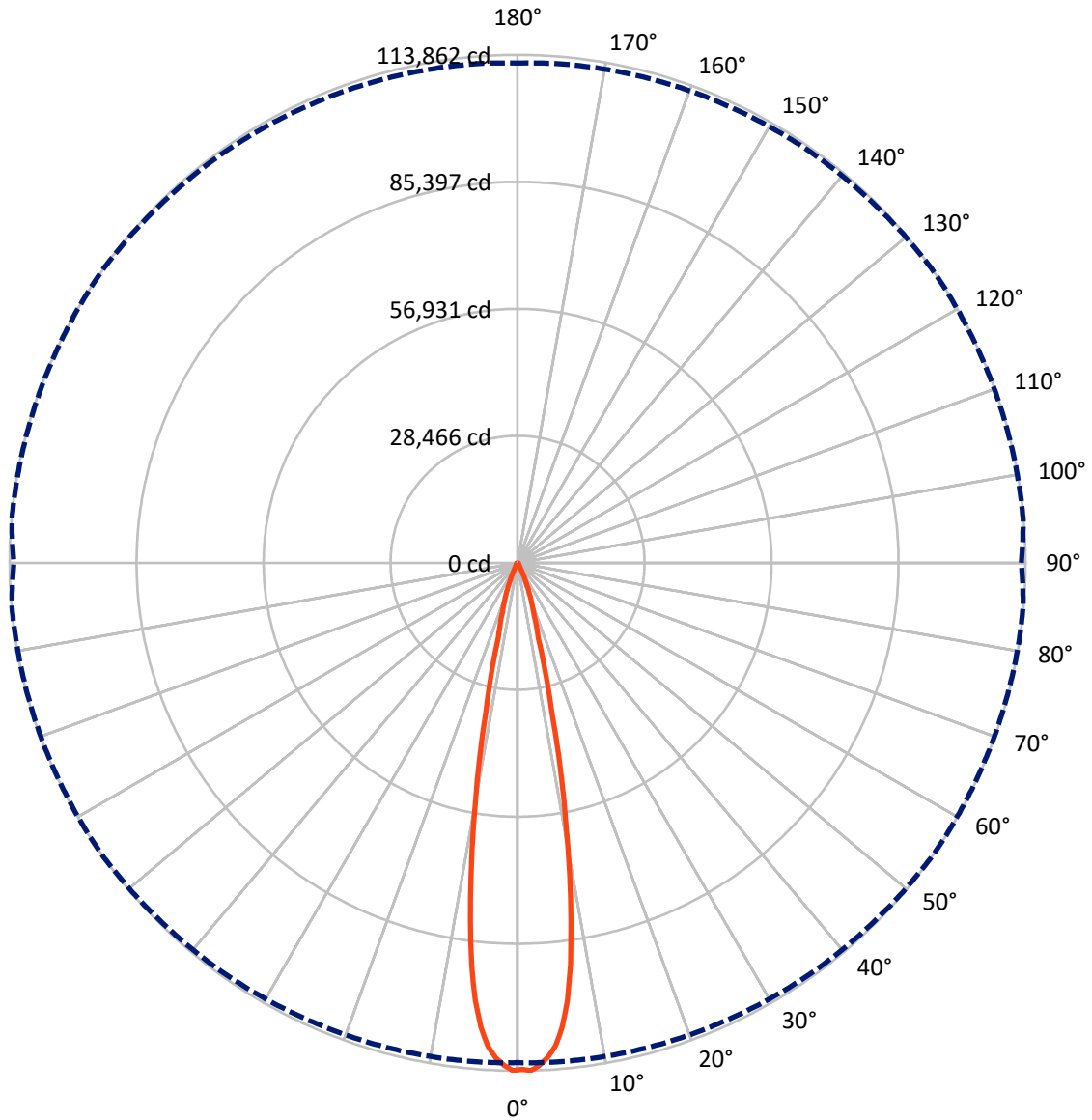
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 283.9 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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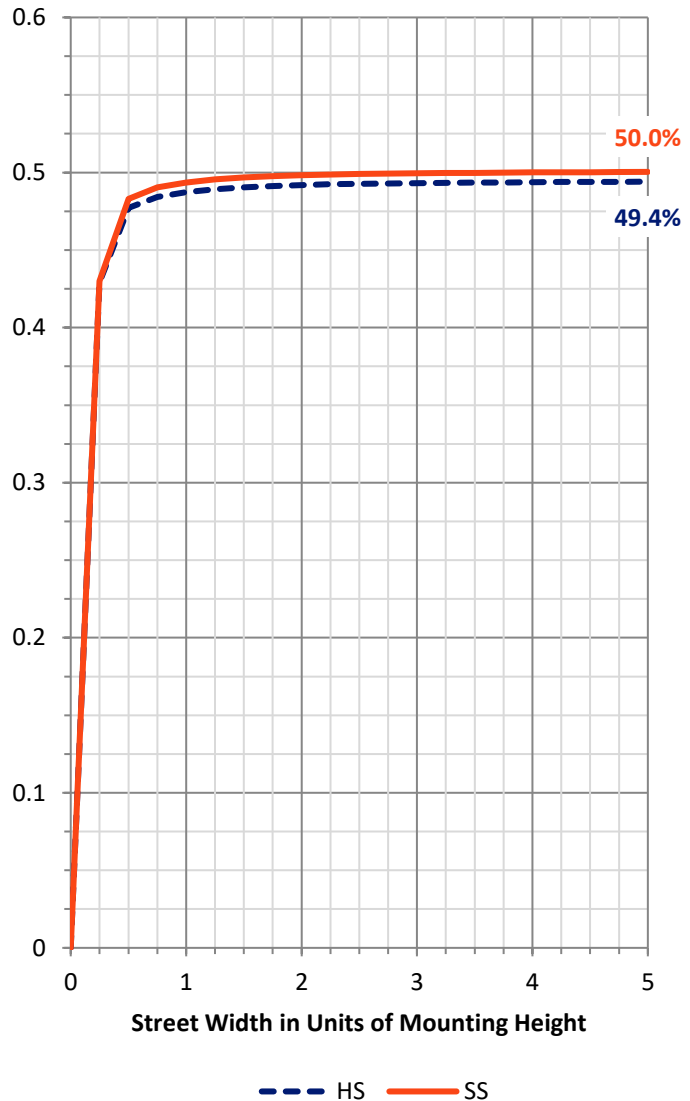
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8260.1	0.0	8260.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8260.1	0.0	8260.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16520.1	0.0	16520.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8393.5	50.8
10°-20°	5948.5	36.0
20°-30°	1393.8	8.4
30°-40°	291.3	1.8
40°-50°	187.9	1.1
50°-60°	139.2	0.8
60°-70°	94.6	0.6
70°-80°	50.5	0.3
80°-90°	20.7	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°	16520.1	100.0
0°-180°	16520.1	100.0

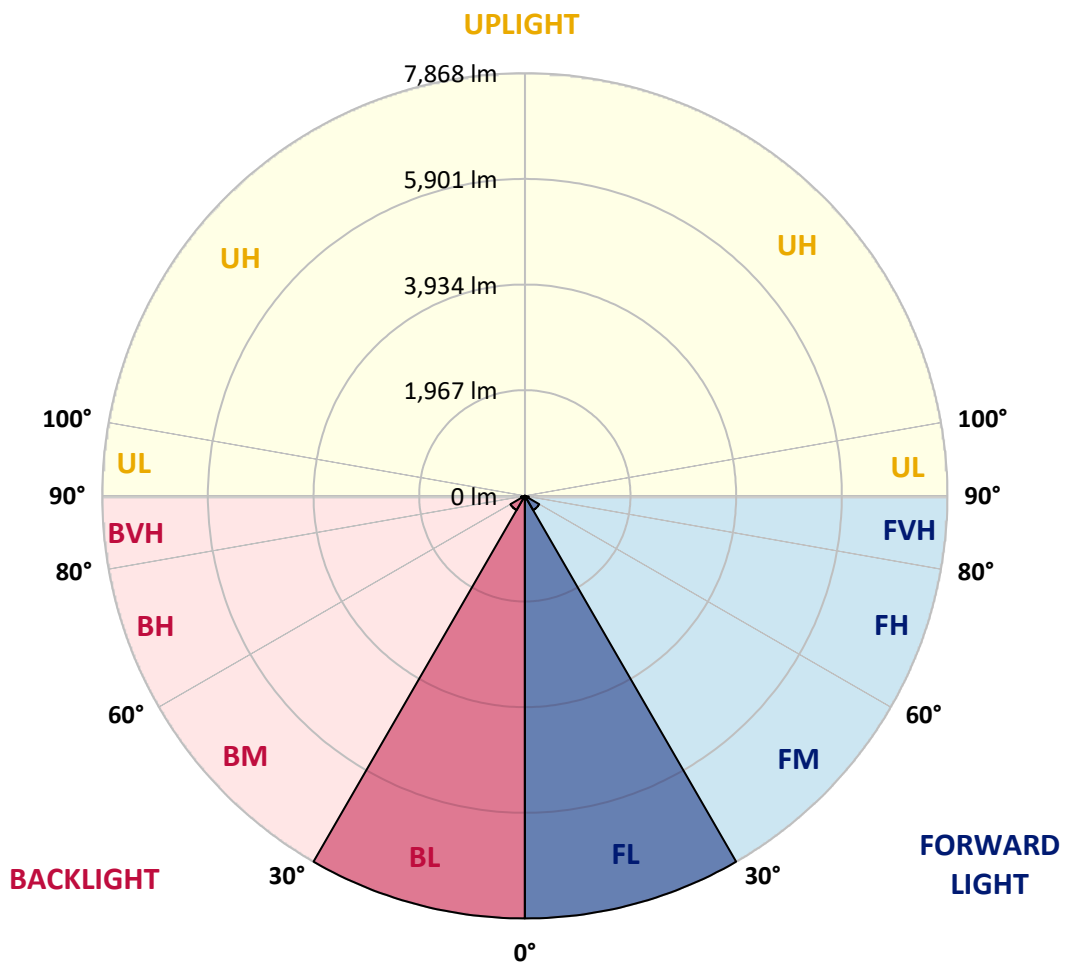


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7867.9	47.6			
FM (30°-60°)	309.2	1.9			
FH (60°-80°)	72.6	0.4			G0/660
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	7867.9	47.6	B5		
BM (30°-60°)	309.2	1.9	B1/1000		
BH (60°-80°)	72.6	0.4	B0/110		G0/660
BVH (80°-90°)	10.3	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°	113569.9	113569.9	113569.9	113569.9	113569.9	113569.9	113569.9	113569.9	113569.9	113569.9
1°	112041.9	112249.4	112503.6	112734.4	113082.0	113365.4	113862.1	113756.9	113742.3	113762.7
2°	109871.2	110131.2	110522.7	110753.5	111650.5	112018.6	112769.4	112991.5	112813.2	113014.8
3°	106619.5	106832.8	107446.3	107899.2	109061.9	110055.3	111060.3	111393.4	111185.9	111279.4
4°	102748.5	102967.6	103709.6	104632.9	106312.8	107414.2	108617.9	108915.9	108238.1	108284.8
5°	98141.1	98243.4	99152.0	99993.4	102003.5	103338.6	104480.9	104574.4	103955.1	103718.4
6°	92958.3	92774.2	93609.8	93966.2	96464.2	97825.6	98661.2	98553.1	98082.7	97881.1
7°	86799.6	86548.4	87223.3	87030.4	89242.1	90019.2	90822.6	90454.5	90080.6	90545.1
8°	79673.9	79533.7	79098.4	79887.2	80325.5	81020.8	81017.9	80804.6	80792.9	81567.1
9°	69314.1	70608.3	70225.6	71052.4	70941.4	70909.3	70696.0	70558.7	69974.4	70865.4
10°	57937.5	58784.8	59430.4	60663.3	60423.8	60762.7	59576.5	59778.1	59389.5	60125.8
12.5°	29989.8	30942.3	31500.3	32441.0	33475.3	34532.9	34191.1	33837.5	33308.7	33957.3
15°	14762.7	15139.5	15317.8	16273.1	17009.3	17275.2	17316.1	17003.5	16869.1	17009.3
17.5°	9059.8	9191.2	9708.4	10806.9	11443.8	11601.5	11499.3	11157.4	10774.7	10614.0
20°	6558.9	6596.9	6792.6	7005.9	7856.1	8300.2	8136.6	7800.6	7447.1	7280.5
22.5°	4283.0	4321.0	4385.3	4502.1	4730.0	5279.3	5101.0	4873.2	4633.6	4583.9
25°	2424.9	2424.9	2492.1	2611.9	2781.3	2822.2	2857.3	2614.8	2503.8	2454.1
27.5°	1352.7	1361.4	1376.1	1422.8	1507.5	1498.8	1460.8	1396.5	1320.5	1241.7
30°	747.9	756.7	765.4	777.1	791.7	765.4	742.1	730.4	698.3	689.5
32.5°	560.9	560.9	566.8	563.9	549.3	517.1	502.5	520.0	517.1	502.5
35°	461.6	461.6	467.5	479.1	449.9	426.5	414.9	438.2	438.2	429.5
37.5°	376.9	379.8	382.7	397.3	388.6	362.3	359.4	365.2	368.1	365.2
40°	330.1	327.2	327.2	330.1	324.3	318.5	312.6	309.7	312.6	309.7
42.5°	286.3	283.4	289.2	283.4	271.7	274.6	274.6	265.9	268.8	262.9
45°	251.3	248.3	251.3	245.4	236.6	239.6	239.6	227.9	227.9	225.0
47.5°	222.0	222.0	222.0	225.0	210.4	207.4	210.4	207.4	198.7	195.7
50°	192.8	195.7	198.7	204.5	189.9	184.1	184.1	184.1	178.2	175.3
52.5°	178.2	181.1	181.1	181.1	172.4	166.5	166.5	163.6	160.7	157.8
55°	172.4	172.4	172.4	160.7	157.8	154.8	146.1	143.2	140.2	140.2
57.5°	163.6	163.6	160.7	151.9	143.2	143.2	131.5	128.5	125.6	125.6
60°	146.1	146.1	146.1	143.2	131.5	128.5	116.9	111.0	108.1	108.1
62.5°	134.4	134.4	134.4	122.7	119.8	111.0	102.3	93.5	90.6	84.7
65°	122.7	122.7	122.7	111.0	105.2	96.4	84.7	76.0	70.1	61.4
67.5°	113.9	113.9	111.0	102.3	93.5	81.8	70.1	61.4	49.7	43.8
70°	99.3	99.3	96.4	90.6	81.8	73.0	58.4	46.7	38.0	29.2
72.5°	84.7	84.7	81.8	76.0	70.1	61.4	49.7	40.9	26.3	20.5
75°	70.1	70.1	67.2	61.4	58.4	52.6	43.8	32.1	20.5	8.8
77.5°	58.4	58.4	55.5	52.6	49.7	43.8	38.0	26.3	14.6	5.8
80°	43.8	46.7	46.7	46.7	40.9	38.0	35.1	26.3	11.7	2.9
82.5°	32.1	35.1	35.1	35.1	32.1	29.2	32.1	23.4	11.7	2.9
85°	23.4	23.4	26.3	26.3	26.3	26.3	35.1	26.3	8.8	2.9
87.5°	11.7	11.7	11.7	11.7	11.7	14.6	17.5	14.6	5.8	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°  
113569.9  
*112947.6*  
112249.4  
110578.2  
107589.5  
103224.7  
97428.3  
90401.9  
79419.8  
69203.1  
58238.4  
32201.5  
16354.9  
10389.1  
7152.0  
4481.7  
2413.2  
1244.6  
689.5  
493.7  
426.5  
365.2  
312.6  
265.9  
225.0  
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