

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: P635996

Luminaire Tested: **IFLD-S-SA6D-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P635996  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27505.6 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

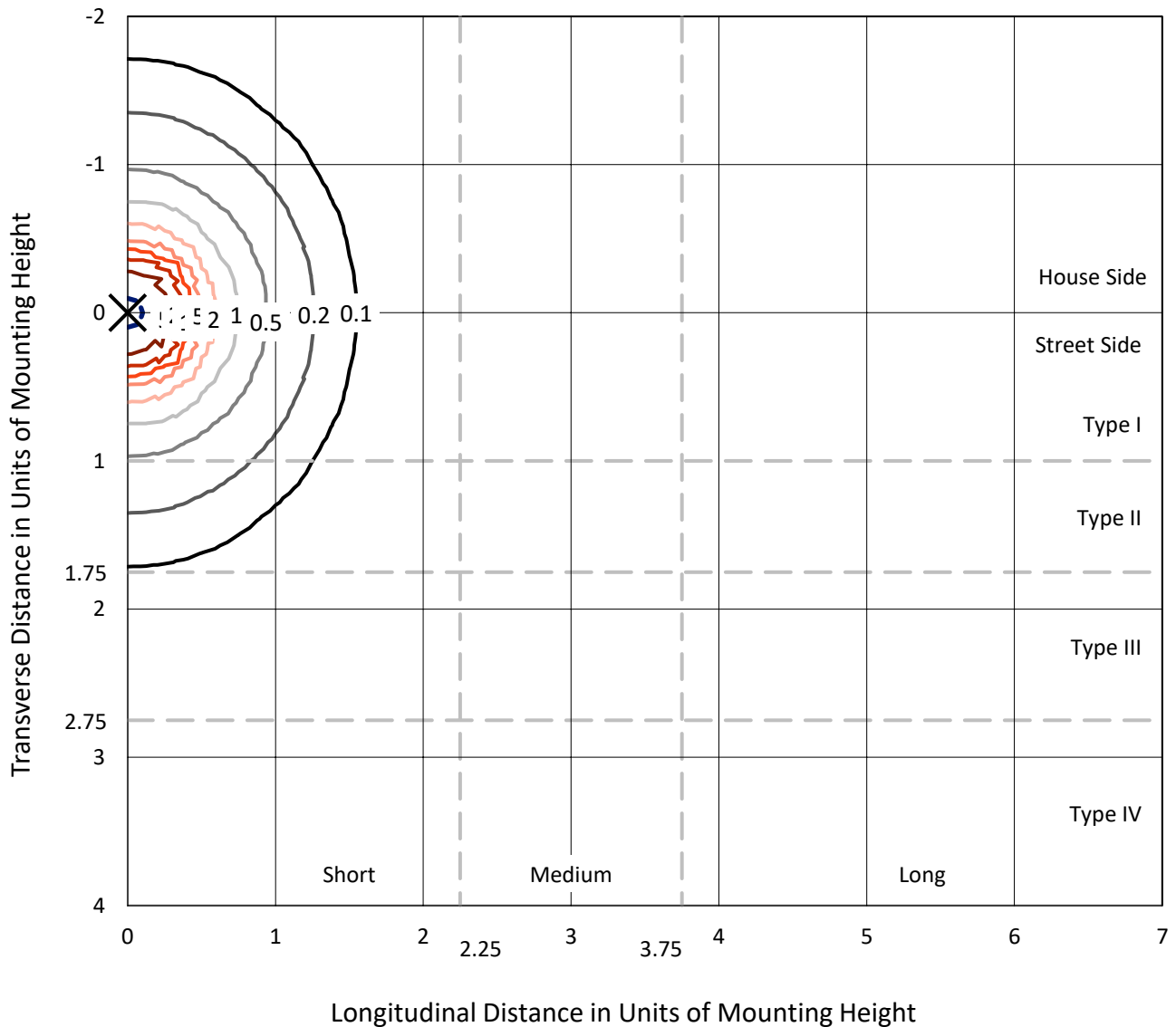
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

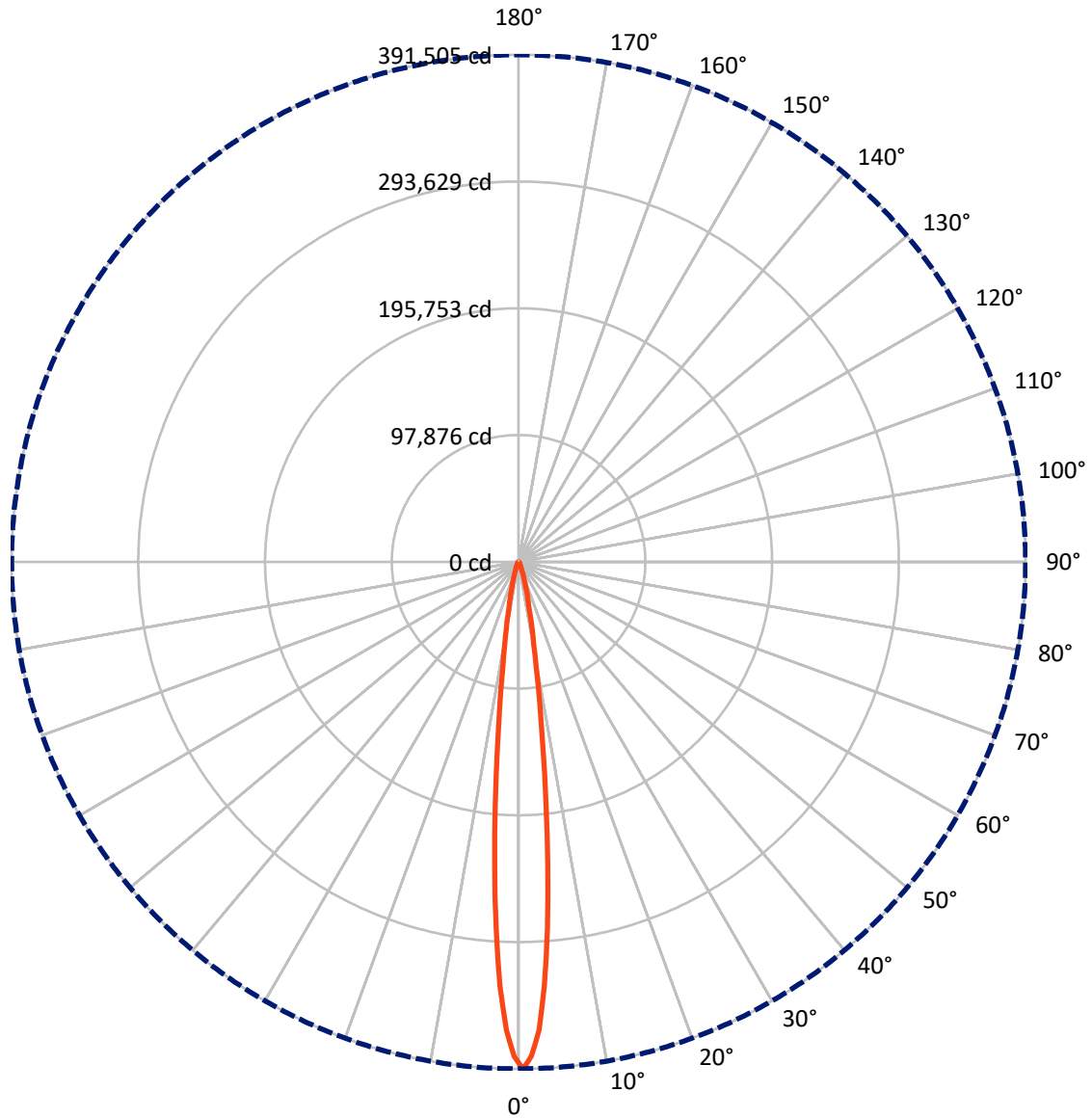
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 978.8 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
<b>House Side</b>	Lumens	13752.8	0.0	13752.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13752.8	0.0	13752.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27505.6	0.0	27505.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16766.8	61.0
10°-20°	7511.6	27.3
20°-30°	1677.5	6.1
30°-40°	547.5	2.0
40°-50°	377.6	1.4
50°-60°	285.3	1.0
60°-70°	195.3	0.7
70°-80°	102.8	0.4
80°-90°	41.0	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°	27505.6	100.0
0°-180°	27505.6	100.0

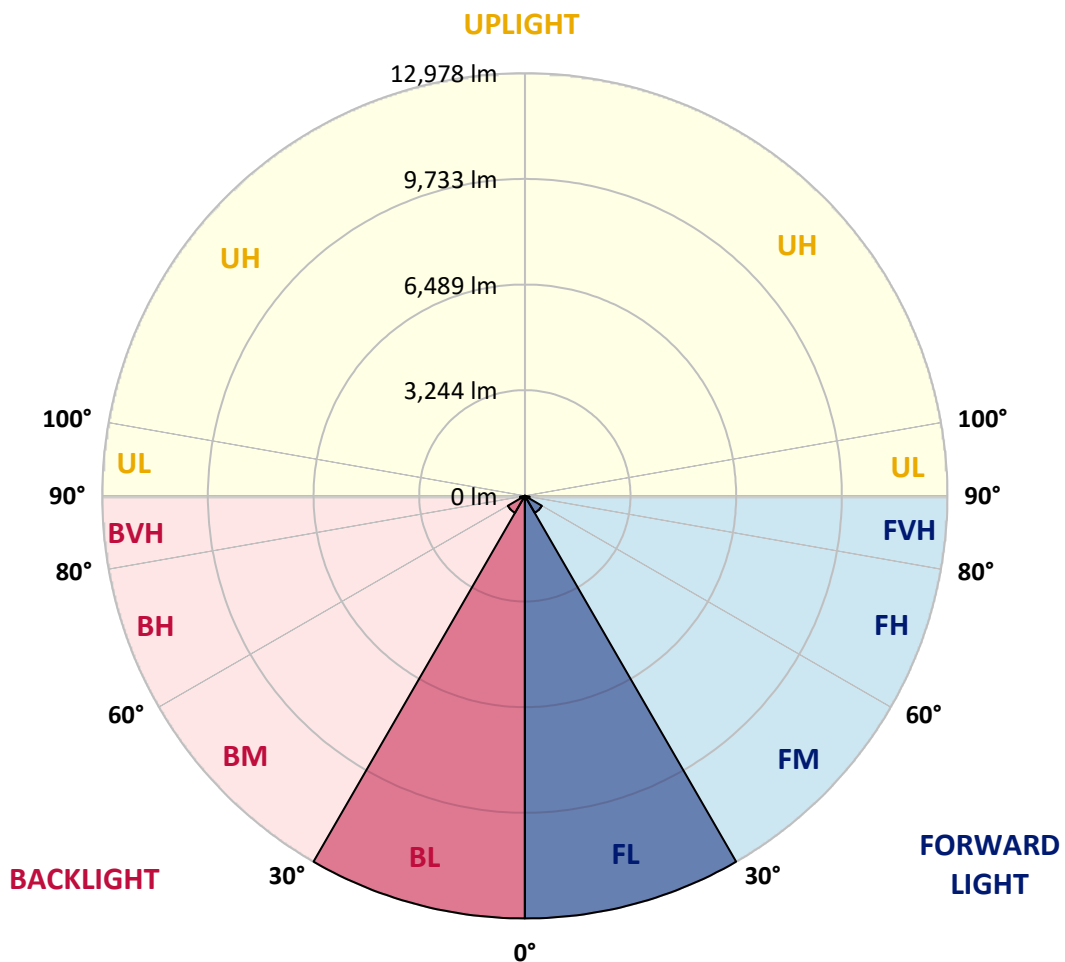


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12978.0	47.2			
FM (30°-60°)	605.2	2.2			
FH (60°-80°)	149.0	0.5			G0/660
FVH (80°-90°)	20.5	0.1			G1/100
BL (0°-30°)	12978.0	47.2	B5		
BM (30°-60°)	605.2	2.2	B1/1000		
BH (60°-80°)	149.0	0.5	B1/500		G0/660
BVH (80°-90°)	20.5	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°	391505.0	391505.0	391505.0	391505.0	391505.0	391505.0	391505.0	391505.0	391505.0	391505.0
1°	381784.8	382304.2	381726.0	384646.0	385851.2	386478.3	386551.8	388198.0	386929.1	387281.8
2°	361663.6	362819.8	360884.6	362756.1	366499.1	367915.0	365607.5	368458.8	367439.8	368032.6
3°	327853.7	329269.6	326594.6	328882.6	333698.6	334776.4	330994.2	335045.9	334943.0	335795.5
4°	284274.8	286572.6	282751.1	285460.4	287591.6	291344.4	287679.8	292290.0	292201.8	293681.4
5°	234807.0	237290.9	233969.2	236781.4	238799.9	240196.1	238853.7	243953.9	244277.2	245805.8
6°	186402.2	188719.6	185010.9	187695.6	190894.9	191468.1	191120.2	195510.0	196484.9	195294.4
7°	143455.3	144033.4	143450.4	145890.2	148457.5	148550.5	149001.3	152861.9	153719.3	153307.7
8°	109866.0	107220.4	109493.6	110787.0	111580.7	115225.8	115495.2	117440.2	119017.8	119130.5
9°	83630.4	81180.8	83811.7	84326.1	86148.6	89387.0	88980.4	91106.7	92096.3	92032.6
10°	63759.0	62514.6	63832.5	64400.8	65900.0	68643.6	69118.8	70093.7	70828.6	71308.8
12.5°	34598.6	34887.6	35651.9	36249.6	38268.1	38998.1	39292.1	39375.4	39370.5	39448.9
15°	21493.1	21728.2	22262.2	23345.0	24574.7	25481.1	25608.4	25138.1	24731.5	24667.8
17.5°	13404.4	13311.3	14565.5	15751.1	17230.7	17701.0	17211.1	16672.2	16118.6	15800.1
20°	8044.6	8108.3	8534.5	9063.6	10259.1	11072.3	10562.8	10014.1	9440.9	9063.6
22.5°	4571.0	4639.6	4825.8	5100.1	5555.8	6295.6	5972.2	5418.6	5011.9	4845.4
25°	2699.5	2699.5	2812.2	2934.7	3125.7	3297.2	3228.6	2934.7	2694.6	2626.0
27.5°	1749.0	1734.3	1773.5	1832.3	1920.5	1930.3	1851.9	1763.7	1641.3	1597.2
30°	1278.7	1283.6	1278.7	1303.2	1298.3	1264.0	1215.0	1219.9	1170.9	1166.0
32.5°	1038.6	1043.5	1043.5	1038.6	1014.1	960.3	926.0	960.3	950.5	940.7
35°	862.3	867.2	916.2	911.3	872.1	813.3	788.8	828.0	857.4	813.3
37.5°	744.7	749.6	788.8	808.4	759.4	720.2	690.8	725.1	769.2	720.2
40°	656.5	661.4	671.2	676.1	651.6	632.0	617.3	627.1	646.7	622.2
42.5°	578.1	573.2	578.1	573.2	543.8	553.6	543.8	529.1	543.8	524.2
45°	504.6	504.6	504.6	489.9	460.5	480.1	470.3	455.6	460.5	445.8
47.5°	460.5	460.5	460.5	440.9	416.4	416.4	421.3	396.8	401.7	396.8
50°	416.4	416.4	426.2	406.6	387.0	372.3	377.2	357.6	362.5	357.6
52.5°	382.1	382.1	382.1	372.3	357.6	347.8	338.0	328.3	323.4	318.5
55°	367.4	367.4	362.5	333.1	328.3	318.5	298.9	294.0	284.2	279.3
57.5°	342.9	342.9	338.0	313.6	294.0	294.0	264.6	259.7	245.0	245.0
60°	303.8	303.8	298.9	294.0	269.5	254.8	235.2	225.4	210.7	205.8
62.5°	289.1	289.1	279.3	254.8	249.9	225.4	205.8	186.2	176.4	166.6
65°	269.5	264.6	259.7	235.2	215.6	200.9	176.4	151.9	142.1	122.5
67.5°	240.1	240.1	235.2	215.6	196.0	171.5	147.0	127.4	102.9	88.2
70°	210.7	205.8	205.8	186.2	171.5	151.9	117.6	98.0	73.5	58.8
72.5°	176.4	176.4	171.5	156.8	147.0	132.3	102.9	78.4	49.0	39.2
75°	142.1	142.1	137.2	127.4	122.5	107.8	88.2	68.6	39.2	19.6
77.5°	117.6	112.7	112.7	102.9	98.0	88.2	73.5	53.9	29.4	14.7
80°	88.2	88.2	93.1	88.2	78.4	73.5	63.7	49.0	24.5	9.8
82.5°	63.7	63.7	68.6	68.6	68.6	63.7	63.7	49.0	24.5	4.9
85°	44.1	44.1	53.9	49.0	49.0	53.9	78.4	63.7	19.6	4.9
87.5°	24.5	24.5	24.5	19.6	19.6	24.5	29.4	24.5	9.8	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
391505.0  
384690.1  
365916.1  
333507.5  
291084.8  
242885.8  
195416.9  
152744.3  
117709.7  
93531.8  
71592.9  
39512.6  
24471.8  
15751.1  
9146.9  
4865.0  
2616.2  
1597.2  
1161.1  
921.1  
803.5  
715.3  
612.4  
524.2  
445.8  
396.8  
357.6  
318.5  
274.4  
245.0  
196.0  
161.7  
117.6  
88.2  
58.8  
34.3  
19.6  
9.8  
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