

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: P636198

Luminaire Tested: **IFLD-S-SA6C-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636198  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26403.2 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

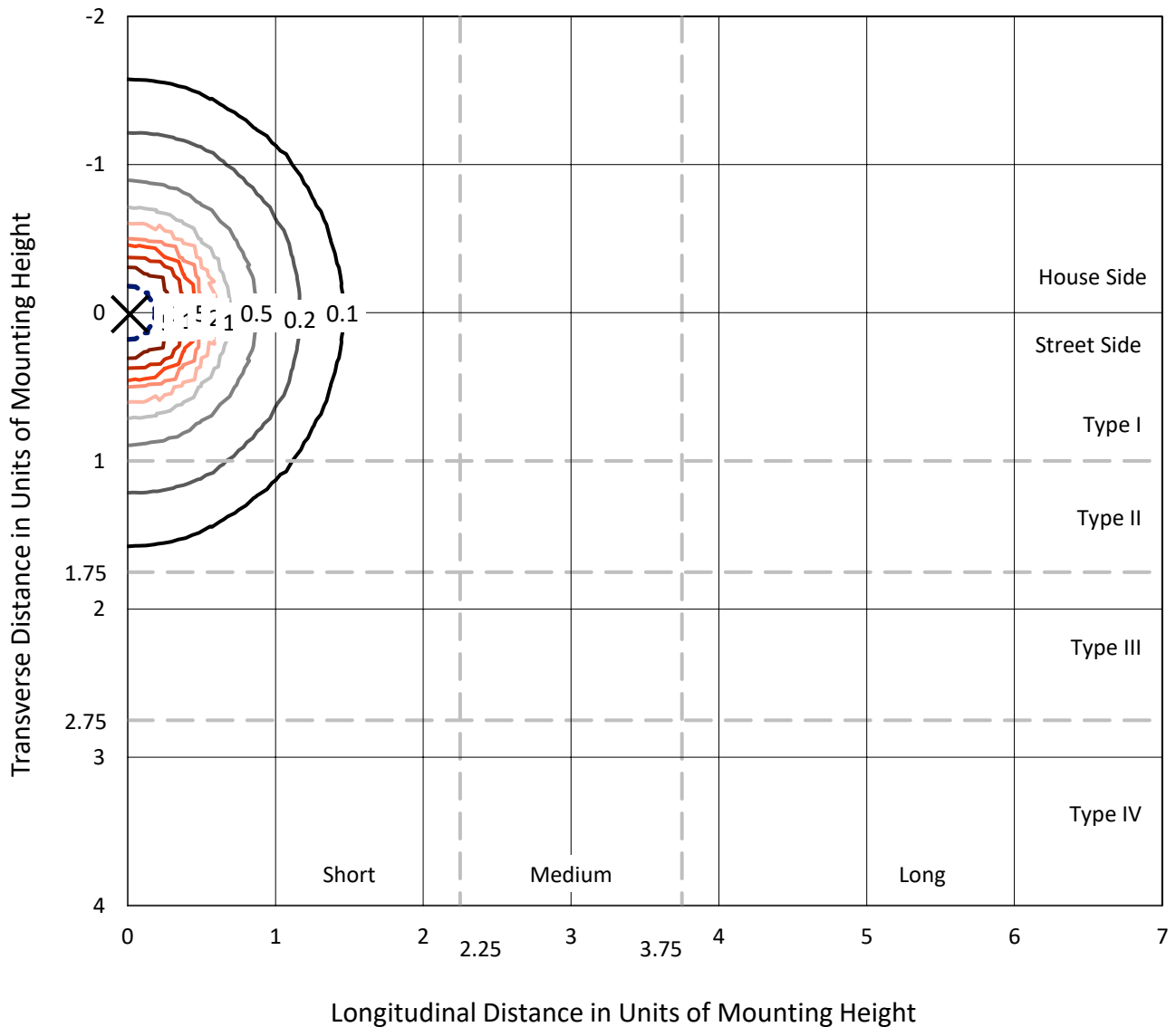
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

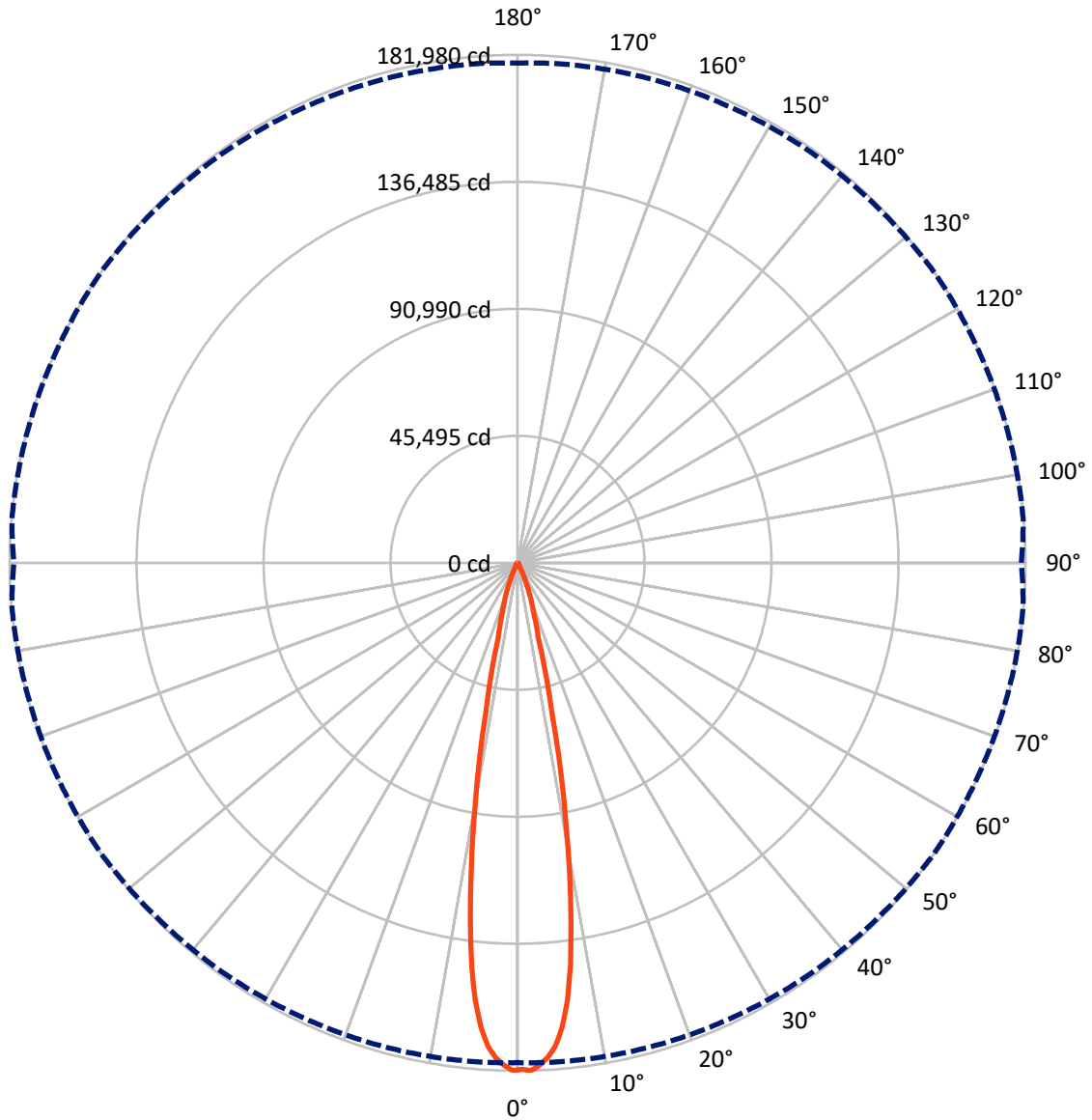
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 453.8 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
<b>House Side</b>	Lumens	13201.6	0.0	13201.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13201.6	0.0	13201.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26403.2	0.0	26403.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13414.8	50.8
10°-20°	9507.2	36.0
20°-30°	2227.7	8.4
30°-40°	465.6	1.8
40°-50°	300.4	1.1
50°-60°	222.5	0.8
60°-70°	151.2	0.6
70°-80°	80.7	0.3
80°-90°	33.1	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°	26403.2	100.0
0°-180°	26403.2	100.0

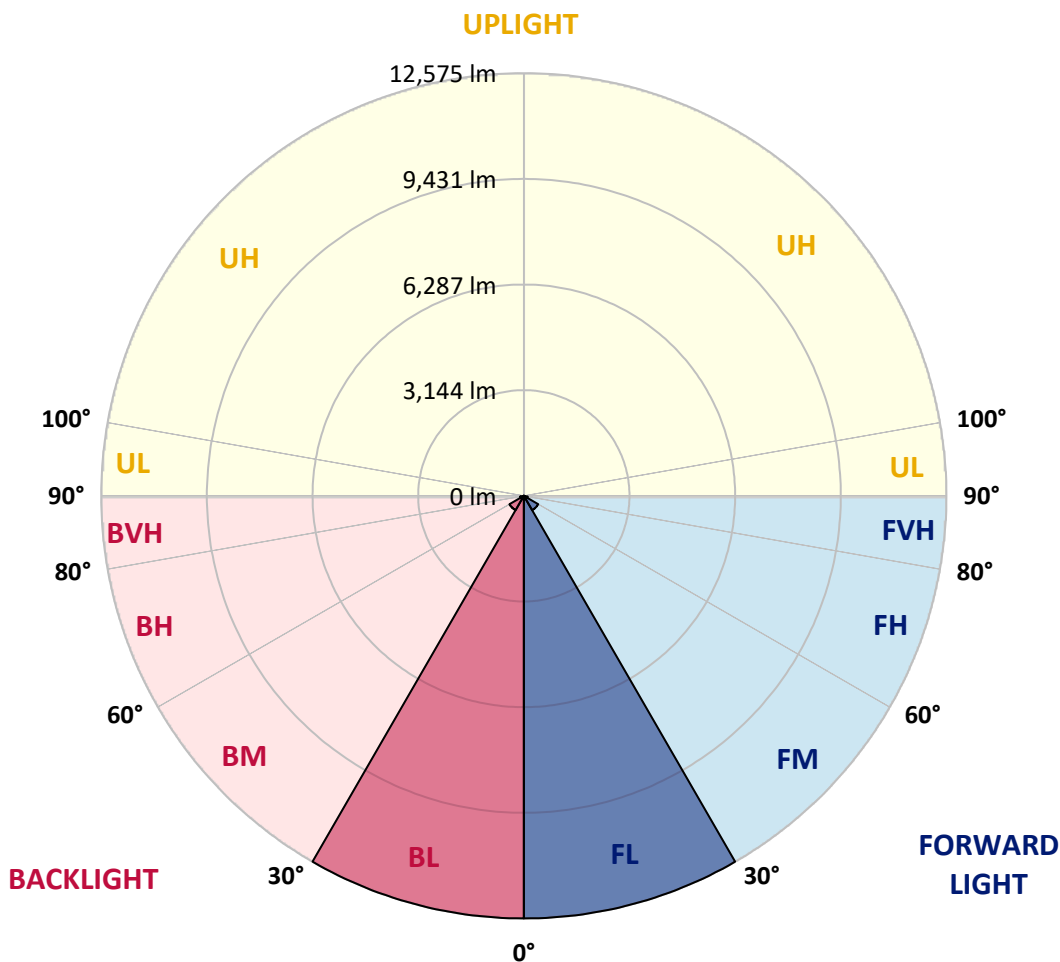


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12574.9	47.6			
FM (30°-60°)	494.2	1.9			
FH (60°-80°)	116.0	0.4			G0/660
FVH (80°-90°)	16.5	0.1			G1/100
BL (0°-30°)	12574.9	47.6	B5		
BM (30°-60°)	494.2	1.9	B1/1000		
BH (60°-80°)	116.0	0.4	B1/500		G0/660
BVH (80°-90°)	16.5	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°	181512.5	181512.5	181512.5	181512.5	181512.5	181512.5	181512.5	181512.5	181512.5	181512.5
1°	179070.5	179402.0	179808.2	180177.1	180732.8	181185.7	181979.5	181811.4	181788.0	181820.7
2°	175601.1	176016.7	176642.4	177011.3	178444.8	179033.1	180233.1	180588.0	180303.2	180625.4
3°	170404.1	170745.0	171725.5	172449.3	174307.7	175895.3	177501.5	178033.9	177702.3	177851.8
4°	164217.2	164567.4	165753.4	167228.9	169913.8	171674.2	173598.0	174074.2	172990.9	173065.6
5°	156853.6	157017.0	158469.2	159814.0	163026.5	165160.4	166986.1	167135.5	166145.6	165767.4
6°	148570.1	148275.9	149611.4	150181.0	154173.4	156349.3	157684.7	157512.0	156760.2	156438.0
7°	138727.1	138325.5	139404.1	139096.0	142630.7	143872.7	145156.8	144568.5	143970.8	144713.2
8°	127338.5	127114.3	126418.6	127679.3	128379.7	129491.1	129486.4	129145.5	129126.8	130364.2
9°	110780.9	112849.4	112237.7	113559.2	113381.7	113330.4	112989.5	112770.0	111836.2	113260.3
10°	92598.3	93952.5	94984.4	96954.9	96572.0	97113.6	95217.9	95540.0	94919.0	96095.7
12.5°	47931.1	49453.3	50345.2	51848.7	53501.7	55192.0	54645.7	54080.7	53235.5	54272.1
15°	23594.3	24196.7	24481.5	26008.4	27185.1	27610.0	27675.4	27175.8	26961.0	27185.1
17.5°	14479.7	14689.8	15516.3	17272.0	18289.9	18542.1	18378.7	17832.3	17220.6	16963.8
20°	10482.7	10543.4	10856.3	11197.2	12555.9	13265.7	13004.2	12467.2	11902.2	11636.1
22.5°	6845.3	6906.0	7008.7	7195.5	7559.7	8437.6	8152.7	7788.5	7405.6	7326.2
25°	3875.6	3875.6	3983.0	4174.4	4445.2	4510.6	4566.6	4179.1	4001.7	3922.3
27.5°	2161.9	2175.9	2199.3	2274.0	2409.4	2395.4	2334.7	2232.0	2110.6	1984.5
30°	1195.4	1209.4	1223.4	1242.1	1265.4	1223.4	1186.0	1167.3	1116.0	1102.0
32.5°	896.5	896.5	905.9	901.2	877.8	826.5	803.1	831.1	826.5	803.1
35°	737.8	737.8	747.1	765.8	719.1	681.7	663.1	700.4	700.4	686.4
37.5°	602.3	607.0	611.7	635.0	621.0	579.0	574.3	583.7	588.3	583.7
40°	527.6	523.0	523.0	527.6	518.3	509.0	499.6	495.0	499.6	495.0
42.5°	457.6	452.9	462.3	452.9	434.3	438.9	438.9	424.9	429.6	420.2
45°	401.6	396.9	401.6	392.2	378.2	382.9	382.9	364.2	364.2	359.5
47.5°	354.9	354.9	354.9	359.5	336.2	331.5	336.2	331.5	317.5	312.8
50°	308.2	312.8	317.5	326.9	303.5	294.2	294.2	294.2	284.8	280.2
52.5°	284.8	289.5	289.5	289.5	275.5	266.2	266.2	261.5	256.8	252.1
55°	275.5	275.5	275.5	256.8	252.1	247.5	233.5	228.8	224.1	224.1
57.5°	261.5	261.5	256.8	242.8	228.8	228.8	210.1	205.5	200.8	200.8
60°	233.5	233.5	233.5	228.8	210.1	205.5	186.8	177.4	172.8	172.8
62.5°	214.8	214.8	214.8	196.1	191.4	177.4	163.4	149.4	144.8	135.4
65°	196.1	196.1	196.1	177.4	168.1	154.1	135.4	121.4	112.1	98.1
67.5°	182.1	182.1	177.4	163.4	149.4	130.7	112.1	98.1	79.4	70.0
70°	158.8	158.8	154.1	144.8	130.7	116.7	93.4	74.7	60.7	46.7
72.5°	135.4	135.4	130.7	121.4	112.1	98.1	79.4	65.4	42.0	32.7
75°	112.1	112.1	107.4	98.1	93.4	84.0	70.0	51.4	32.7	14.0
77.5°	93.4	93.4	88.7	84.0	79.4	70.0	60.7	42.0	23.3	9.3
80°	70.0	74.7	74.7	74.7	65.4	60.7	56.0	42.0	18.7	4.7
82.5°	51.4	56.0	56.0	56.0	51.4	46.7	51.4	37.4	18.7	4.7
85°	37.4	37.4	42.0	42.0	42.0	42.0	56.0	42.0	14.0	4.7
87.5°	18.7	18.7	18.7	18.7	18.7	23.3	28.0	23.3	9.3	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°  
181512.5  
*180518.0*  
179402.0  
176731.1  
171954.3  
164978.3  
155714.3  
144484.4  
126932.2  
110603.4  
93079.3  
51465.8  
26139.2  
16604.3  
11430.6  
7162.8  
3856.9  
1989.2  
1102.0  
789.1  
681.7  
583.7  
499.6  
424.9  
359.5  
312.8  
275.5  
247.5  
219.5  
200.8  
168.1  
126.1  
98.1  
65.4  
46.7  
28.0  
14.0  
4.7  
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