

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: P636301

Luminaire Tested: **IFLD-L-SA8D-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636301  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32996.2 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

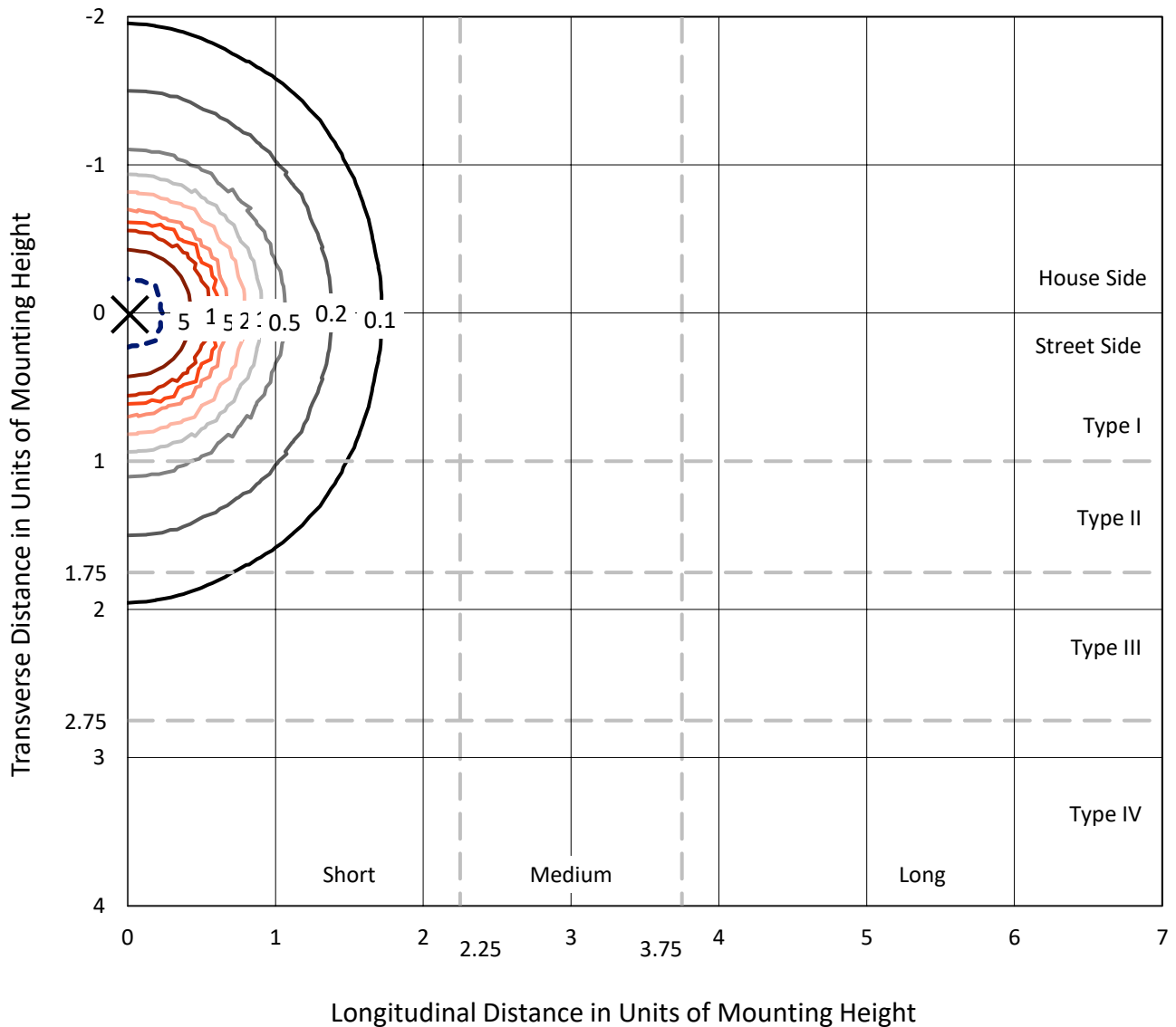
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

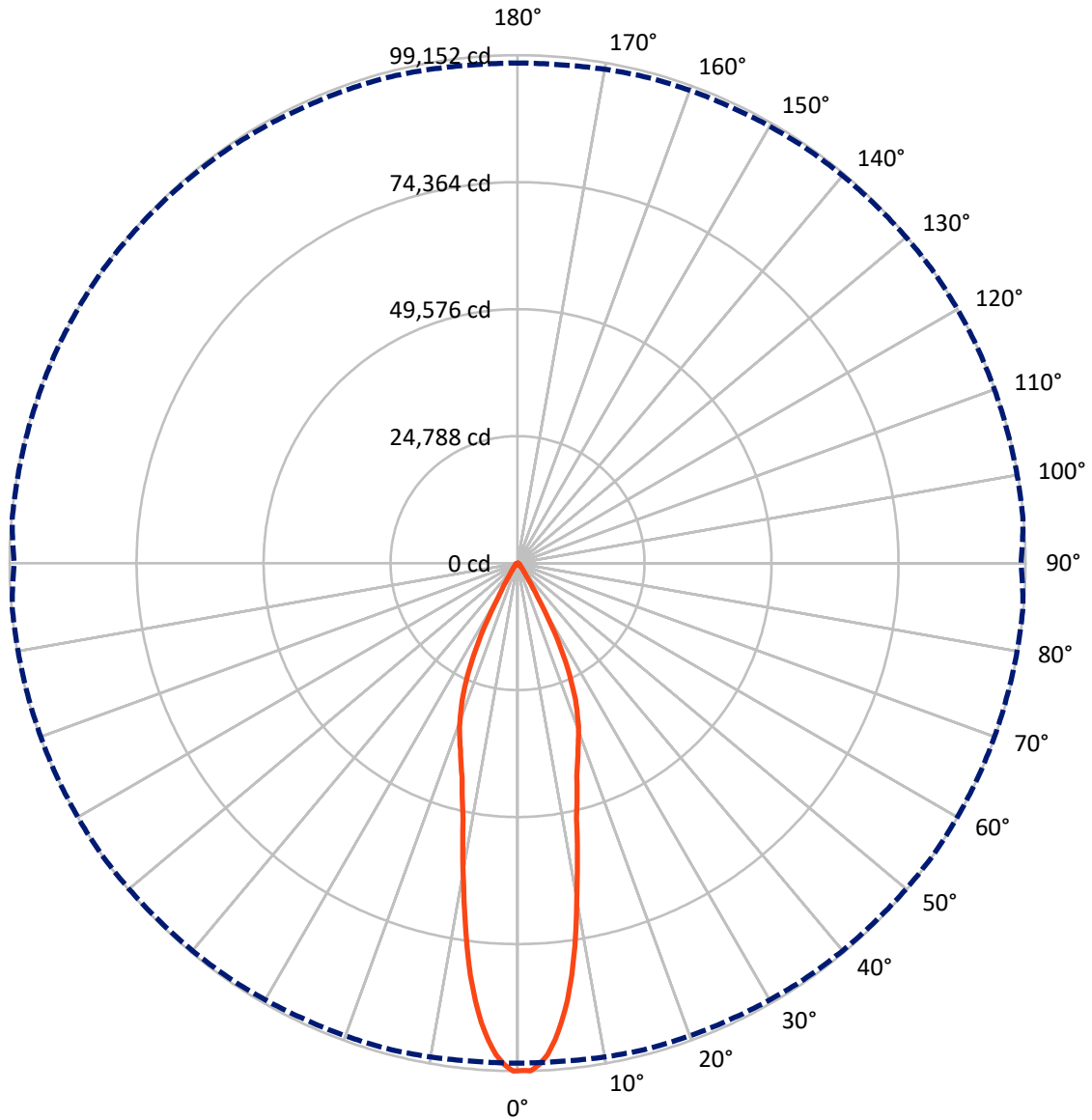
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 247.6 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	16498.1	0.0	16498.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16498.1	0.0	16498.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32996.2	0.0	32996.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7535.4	22.8
10°-20°	12307.3	37.3
20°-30°	9617.3	29.1
30°-40°	2096.3	6.4
40°-50°	620.7	1.9
50°-60°	388.2	1.2
60°-70°	271.5	0.8
70°-80°	116.5	0.4
80°-90°	43.0	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°	32996.2	100.0
0°-180°	32996.2	100.0



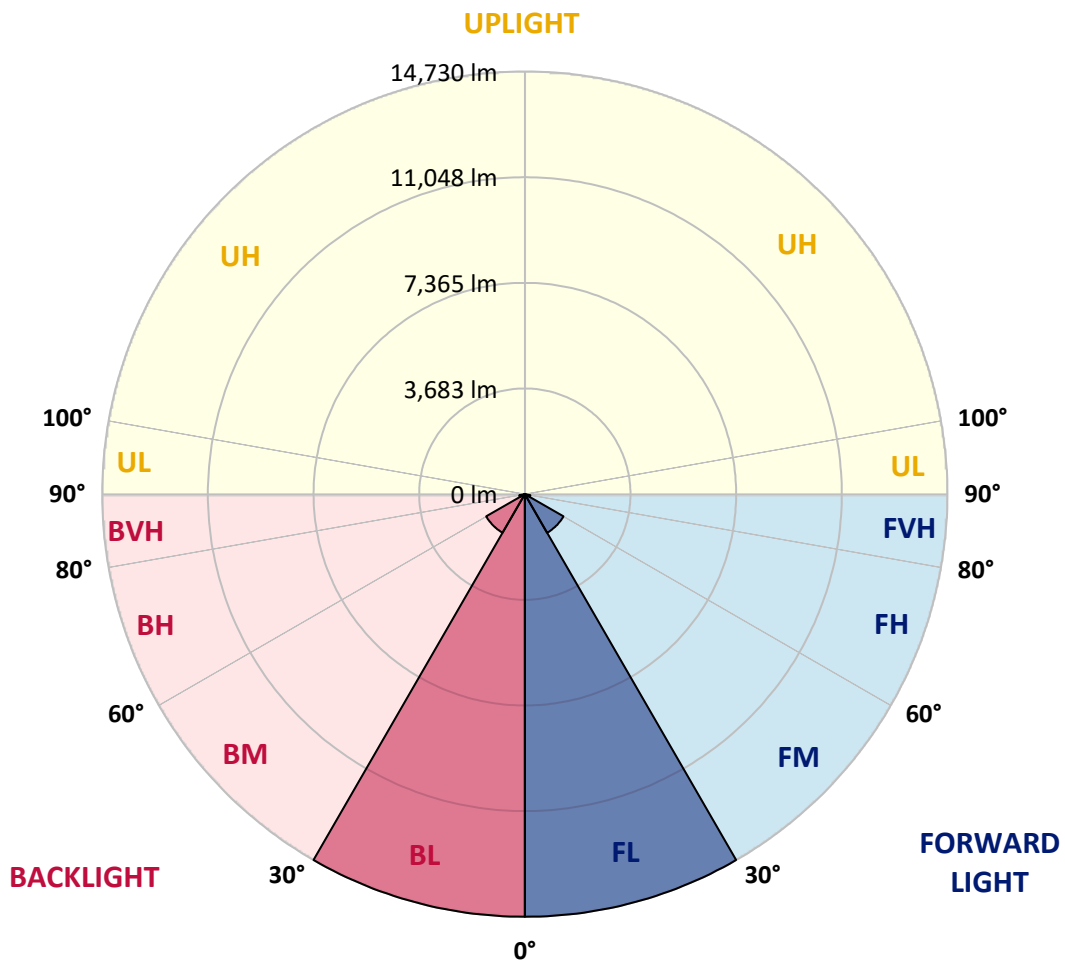
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14730.0	44.6			
FM (30°-60°)	1552.6	4.7			
FH (60°-80°)	194.0	0.6			G0/660
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	14730.0	44.6	B5		
BM (30°-60°)	1552.6	4.7	B2/2500		
BH (60°-80°)	194.0	0.6	B1/500		G0/660
BVH (80°-90°)	21.5	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°	99038.4	99038.4	99038.4	99038.4	99038.4	99038.4	99038.4	99038.4	99038.4	99038.4
1°	97604.7	97616.7	98148.3	98267.8	98632.2	98817.3	99151.8	99116.0	99014.5	99026.4
2°	95806.8	95729.1	96224.9	96774.4	97210.5	97568.9	97969.1	98052.7	97957.2	98046.8
3°	92849.9	92736.5	93429.4	94116.3	94874.9	95490.2	96093.5	96117.4	96003.9	95997.9
4°	88961.3	88752.2	89576.5	90801.1	91756.8	92575.2	93327.8	93315.9	93160.6	93286.0
5°	84260.3	83997.4	85066.7	86679.5	88095.2	89080.8	89911.1	89713.9	89355.5	89373.5
6°	78490.0	78746.8	80055.0	82318.9	83991.5	84809.8	85831.2	85460.9	84839.7	84774.0
7°	73066.2	73645.6	74690.9	77420.8	79409.9	80270.0	81136.2	80389.5	79547.3	79409.9
8°	67355.6	68323.3	69768.9	72283.7	74404.2	75270.3	75598.9	74798.4	73896.5	73860.6
9°	62726.3	63389.3	64631.8	66847.9	69004.3	69583.7	69655.4	68956.5	68054.5	68114.3
10°	58515.1	58640.5	59715.7	61621.2	63347.5	63759.7	63741.8	63234.0	62493.3	62690.4
12.5°	49089.1	49429.6	49740.2	50349.5	50928.9	51197.7	51096.1	50887.1	50480.9	50498.8
15°	42691.6	42685.6	42721.5	43002.2	43175.5	43205.3	43205.3	42942.5	42769.3	43026.1
17.5°	37046.8	37357.4	37912.9	38139.9	38366.9	38283.3	38128.0	38008.5	37895.0	38116.0
20°	32656.4	32793.8	32799.7	32949.1	34096.0	34155.7	33958.6	33618.1	33331.4	33277.6
22.5°	27716.4	27925.5	28015.1	28146.5	28266.0	29138.1	28905.1	28355.6	28015.1	27913.5
25°	20805.2	20733.5	21318.9	22394.1	22567.4	22674.9	22615.2	22328.4	22107.4	22149.2
27.5°	14377.9	14503.3	14479.4	14491.4	15632.3	15626.3	15608.4	15357.5	15291.8	15196.2
30°	8040.1	7980.4	8010.3	7932.6	7771.3	7968.5	7651.9	7920.7	7657.9	7741.5
32.5°	4754.8	4713.0	4671.2	4689.1	4569.6	4276.9	4151.5	4336.7	4276.9	4253.0
35°	3034.5	3052.4	3106.1	3100.2	2992.7	2825.4	2646.2	2813.5	2789.6	2717.9
37.5°	1935.4	1935.4	1953.3	2108.6	2019.0	1875.6	1750.2	1821.9	1815.9	1804.0
40°	1373.9	1373.9	1397.8	1439.6	1391.8	1320.1	1248.4	1248.4	1260.4	1224.5
42.5°	1021.4	1021.4	1045.3	1069.2	1009.5	985.6	949.8	925.9	955.7	925.9
45°	800.4	794.5	800.4	788.5	752.6	752.6	722.8	686.9	722.8	704.9
47.5°	657.1	651.1	645.1	621.2	585.4	591.4	579.4	549.5	567.5	561.5
50°	573.4	561.5	567.5	543.6	513.7	507.7	507.7	477.9	483.8	483.8
52.5°	501.8	501.8	495.8	483.8	471.9	448.0	454.0	424.1	424.1	424.1
55°	471.9	471.9	459.9	436.1	442.0	424.1	406.2	388.3	382.3	382.3
57.5°	465.9	465.9	459.9	436.1	418.1	412.2	388.3	364.4	346.5	352.4
60°	454.0	454.0	442.0	436.1	406.2	394.2	358.4	340.5	316.6	316.6
62.5°	436.1	430.1	406.2	370.3	370.3	340.5	316.6	280.7	262.8	256.9
65°	370.3	364.4	346.5	316.6	298.7	280.7	244.9	209.1	197.1	179.2
67.5°	304.6	304.6	292.7	262.8	250.9	227.0	185.2	161.3	131.4	119.5
70°	250.9	250.9	238.9	221.0	209.1	179.2	143.4	119.5	89.6	77.7
72.5°	203.1	203.1	191.1	179.2	167.3	149.3	119.5	89.6	59.7	47.8
75°	161.3	161.3	155.3	143.4	131.4	119.5	95.6	71.7	41.8	23.9
77.5°	131.4	131.4	125.4	119.5	107.5	95.6	77.7	59.7	29.9	11.9
80°	101.5	101.5	101.5	101.5	89.6	77.7	65.7	47.8	23.9	6.0
82.5°	71.7	71.7	77.7	89.6	71.7	59.7	59.7	47.8	17.9	6.0
85°	47.8	53.8	59.7	53.8	47.8	47.8	83.6	77.7	17.9	6.0
87.5°	23.9	23.9	23.9	23.9	23.9	17.9	23.9	17.9	11.9	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°  
99038.4  
98291.7  
97341.9  
95478.2  
92694.6  
88501.3  
83901.8  
78758.8  
72552.5  
67224.2  
61997.5  
49907.4  
42428.8  
37608.3  
32931.1  
27549.1  
22005.9  
14849.8  
7843.0  
4193.3  
2640.2  
1780.1  
1212.6  
919.9  
704.9  
561.5  
489.8  
424.1  
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