

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: P636007

Luminaire Tested: **IFLD-L-SA7E-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636007  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33960.3 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

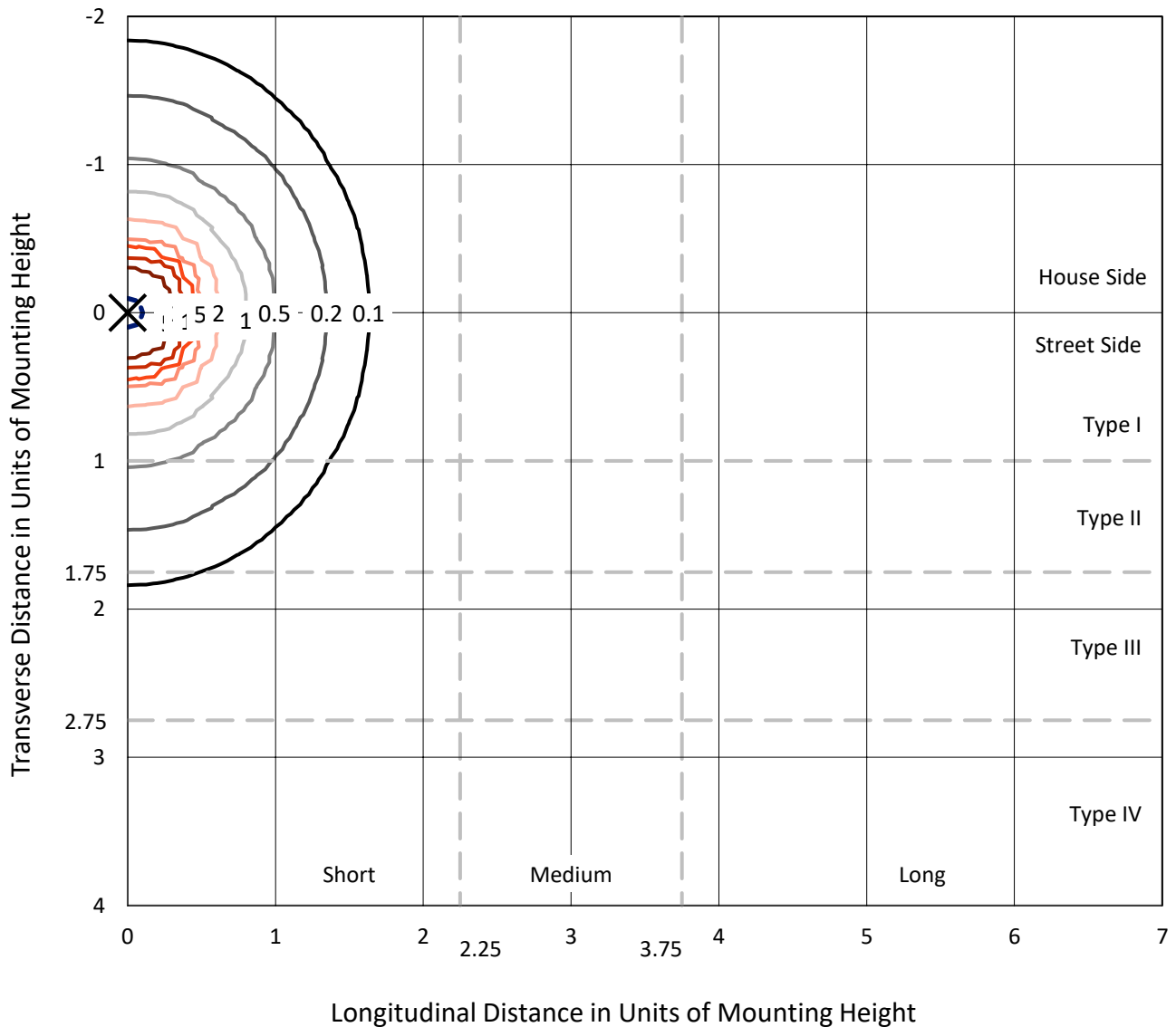
Input Watts (W): 532.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

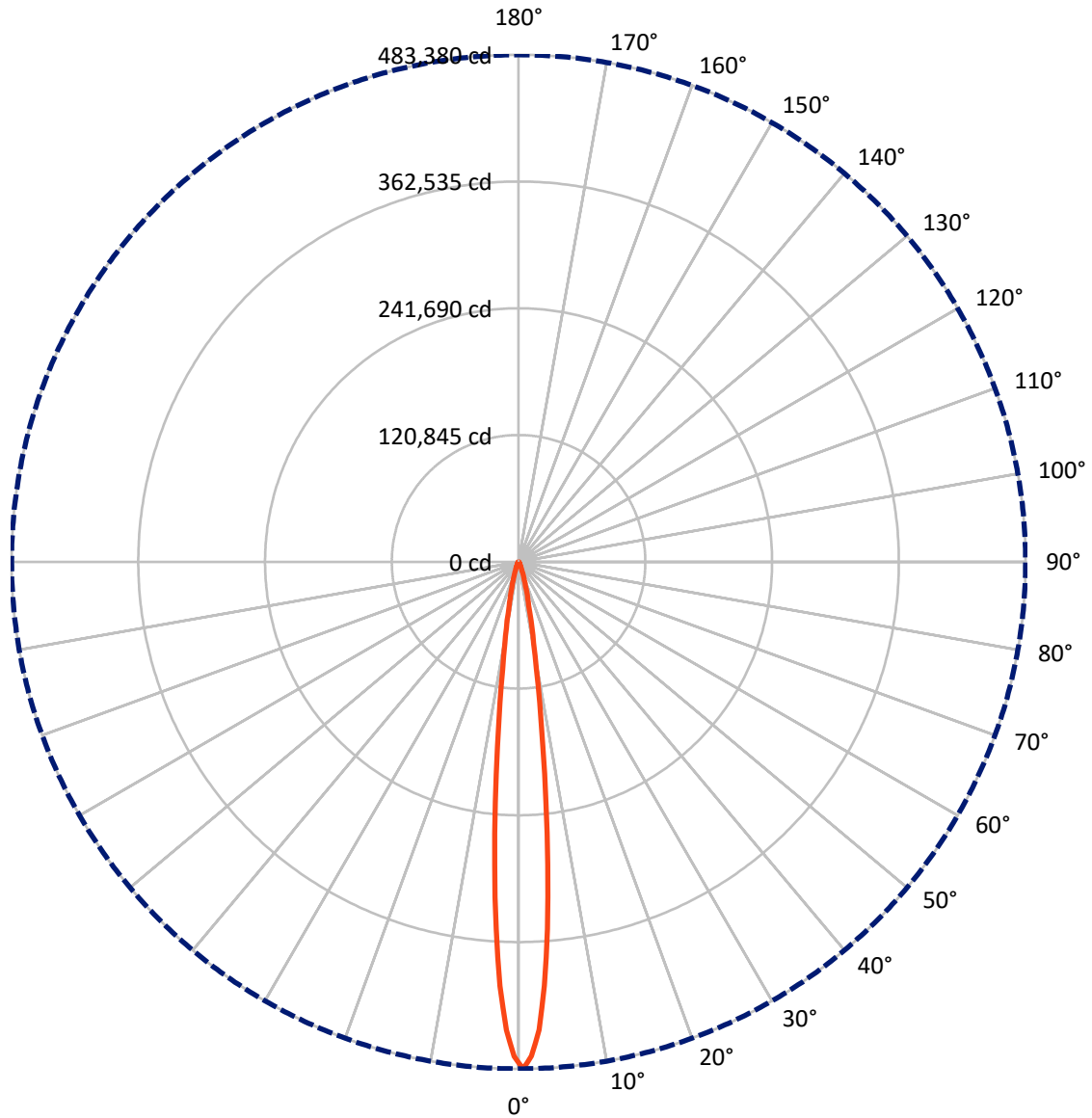
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1208.4 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	16980.1	0.0	16980.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16980.1	0.0	16980.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33960.3	0.0	33960.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20701.5	61.0
10°-20°	9274.4	27.3
20°-30°	2071.2	6.1
30°-40°	676.0	2.0
40°-50°	466.2	1.4
50°-60°	352.2	1.0
60°-70°	241.1	0.7
70°-80°	126.9	0.4
80°-90°	50.6	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°	33960.3	100.0
0°-180°	33960.3	100.0

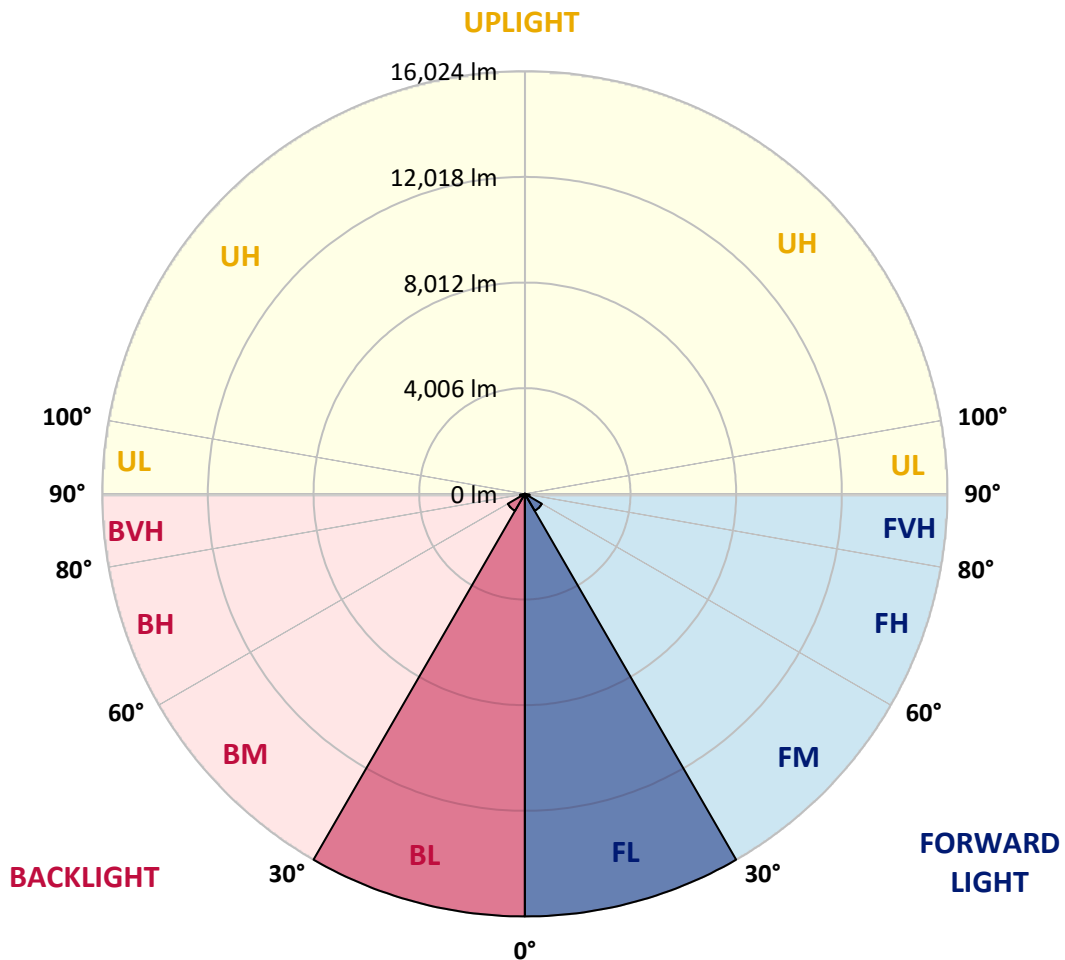


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16023.6	47.2			
FM (30°-60°)	747.2	2.2			
FH (60°-80°)	184.0	0.5			G0/660
FVH (80°-90°)	25.3	0.1			G1/100
BL (0°-30°)	16023.6	47.2	B5		
BM (30°-60°)	747.2	2.2	B1/1000		
BH (60°-80°)	184.0	0.5	B1/500		G0/660
BVH (80°-90°)	25.3	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°	483379.9	483379.9	483379.9	483379.9	483379.9	483379.9	483379.9	483379.9	483379.9	483379.9
1°	471378.7	472019.9	471306.2	474911.3	476399.4	477173.7	477264.4	479296.9	477730.2	478165.7
2°	446535.6	447963.1	445573.8	447884.5	452505.9	454254.1	451405.0	454925.5	453667.3	454399.3
3°	404791.6	406539.7	403237.0	406061.9	412008.0	413338.8	408669.0	413671.5	413544.5	414597.0
4°	350985.9	353822.9	349104.7	352449.8	355081.1	359714.6	355190.0	360882.1	360773.2	362600.0
5°	289909.4	292976.2	288875.0	292347.1	294839.3	296563.3	294905.8	301202.8	301602.1	303489.3
6°	230145.5	233006.6	228427.6	231742.4	235692.4	236400.1	235970.6	241390.5	242594.3	241124.4
7°	177120.1	177833.9	177114.1	180126.5	183296.1	183411.1	183967.6	188734.2	189792.7	189284.6
8°	135648.3	132381.9	135188.6	136785.5	137765.5	142265.9	142598.6	145000.1	146947.8	147087.0
9°	103256.1	100231.6	103479.9	104115.0	106365.2	110363.6	109861.5	112486.8	113708.7	113630.1
10°	78721.4	77185.0	78812.1	79513.8	81364.8	84752.2	85339.0	86542.7	87450.1	88042.9
12.5°	42717.9	43074.8	44018.4	44756.4	47248.6	48149.9	48512.8	48615.6	48609.6	48706.4
15°	26536.9	26827.2	27486.6	28823.4	30341.7	31460.7	31618.0	31037.3	30535.2	30456.6
17.5°	16550.0	16435.1	17983.6	19447.5	21274.3	21855.0	21250.1	20584.7	19901.1	19508.0
20°	9932.4	10011.1	10537.3	11190.6	12666.6	13670.7	13041.6	12364.1	11656.4	11190.6
22.5°	5643.7	5728.4	5958.2	6297.0	6859.5	7772.9	7373.7	6690.2	6188.1	5982.4
25°	3333.0	3333.0	3472.1	3623.3	3859.2	4071.0	3986.3	3623.3	3326.9	3242.3
27.5°	2159.5	2141.3	2189.7	2262.3	2371.2	2383.3	2286.5	2177.6	2026.4	1972.0
30°	1578.8	1584.8	1578.8	1609.0	1603.0	1560.6	1500.1	1506.2	1445.7	1439.7
32.5°	1282.4	1288.4	1288.4	1282.4	1252.1	1185.6	1143.3	1185.6	1173.5	1161.4
35°	1064.6	1070.7	1131.2	1125.1	1076.7	1004.1	973.9	1022.3	1058.6	1004.1
37.5°	919.4	925.5	973.9	998.1	937.6	889.2	852.9	895.2	949.7	889.2
40°	810.6	816.6	828.7	834.8	804.5	780.3	762.2	774.3	798.5	768.2
42.5°	713.8	707.7	713.8	707.7	671.4	683.5	671.4	653.3	671.4	647.2
45°	623.0	623.0	623.0	604.9	568.6	592.8	580.7	562.6	568.6	550.5
47.5°	568.6	568.6	568.6	544.4	514.2	514.2	520.2	490.0	496.0	490.0
50°	514.2	514.2	526.3	502.1	477.9	459.7	465.8	441.6	447.6	441.6
52.5°	471.8	471.8	471.8	459.7	441.6	429.5	417.4	405.3	399.2	393.2
55°	453.7	453.7	447.6	411.3	405.3	393.2	369.0	362.9	350.8	344.8
57.5°	423.4	423.4	417.4	387.1	362.9	362.9	326.6	320.6	302.4	302.4
60°	375.0	375.0	369.0	362.9	332.7	314.5	290.4	278.3	260.1	254.1
62.5°	356.9	356.9	344.8	314.5	308.5	278.3	254.1	229.9	217.8	205.7
65°	332.7	326.6	320.6	290.4	266.2	248.0	217.8	187.5	175.4	151.2
67.5°	296.4	296.4	290.4	266.2	242.0	211.7	181.5	157.3	127.0	108.9
70°	260.1	254.1	254.1	229.9	211.7	187.5	145.2	121.0	90.7	72.6
72.5°	217.8	217.8	211.7	193.6	181.5	163.3	127.0	96.8	60.5	48.4
75°	175.4	175.4	169.4	157.3	151.2	133.1	108.9	84.7	48.4	24.2
77.5°	145.2	139.1	139.1	127.0	121.0	108.9	90.7	66.5	36.3	18.1
80°	108.9	108.9	114.9	108.9	96.8	90.7	78.6	60.5	30.2	12.1
82.5°	78.6	78.6	84.7	84.7	84.7	78.6	78.6	60.5	30.2	6.0
85°	54.4	54.4	66.5	60.5	60.5	66.5	96.8	78.6	24.2	6.0
87.5°	30.2	30.2	30.2	24.2	24.2	30.2	36.3	30.2	12.1	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
483379.9  
474965.8  
451786.1  
411772.1  
359394.0  
299884.2  
241275.6  
188589.0  
145332.8  
115481.0  
88393.7  
48785.0  
30214.6  
19447.5  
11293.4  
6006.6  
3230.2  
1972.0  
1433.6  
1137.2  
992.0  
883.2  
756.1  
647.2  
550.5  
490.0  
441.6  
393.2  
338.7  
302.4  
242.0  
199.6  
145.2  
108.9  
72.6  
42.3  
24.2  
12.1  
6.0  
6.0  
6.0  
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