

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: P636380

Luminaire Tested: **IFLD-L-SA7A-940-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636380  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-940-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21145.3 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

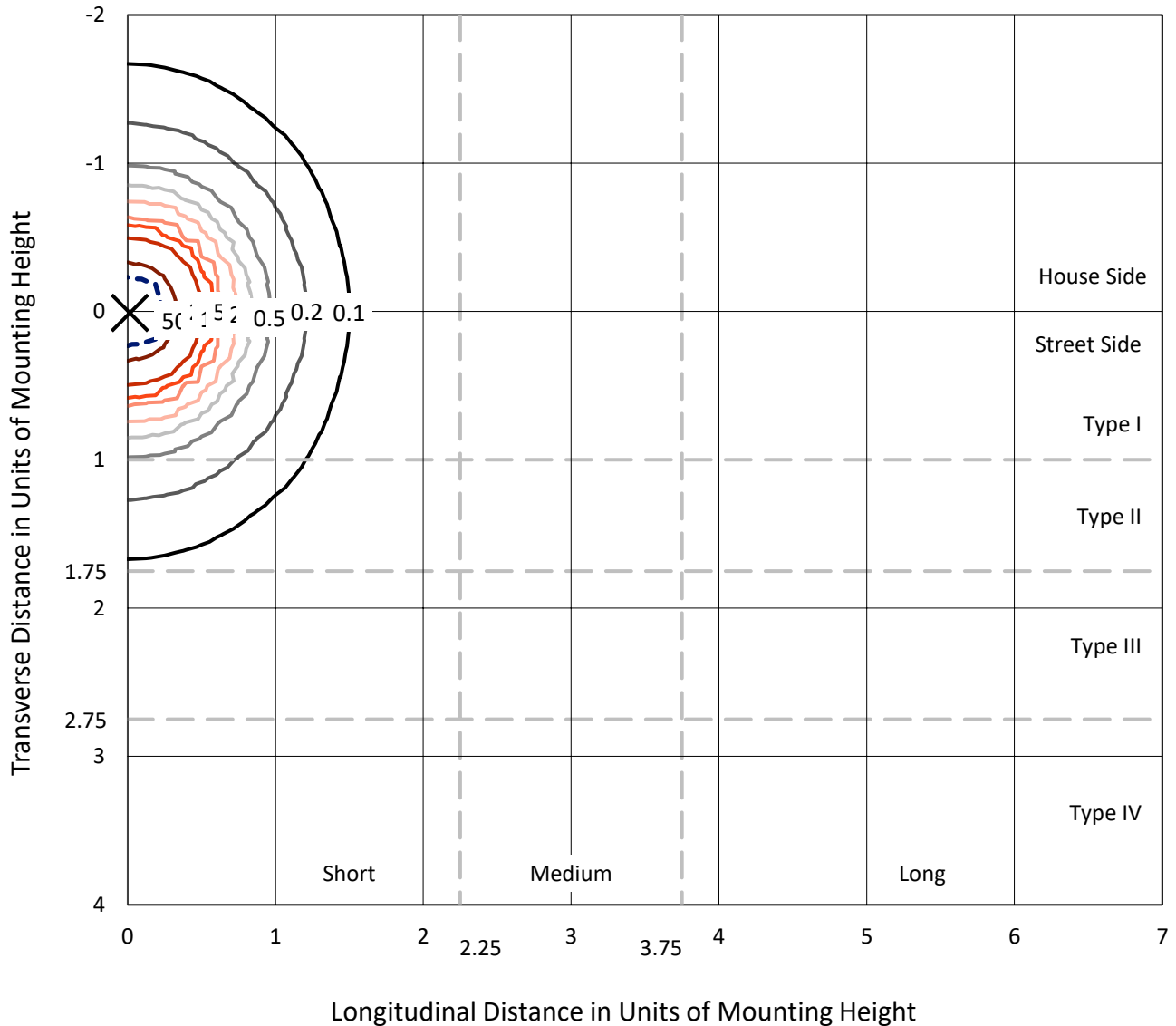
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

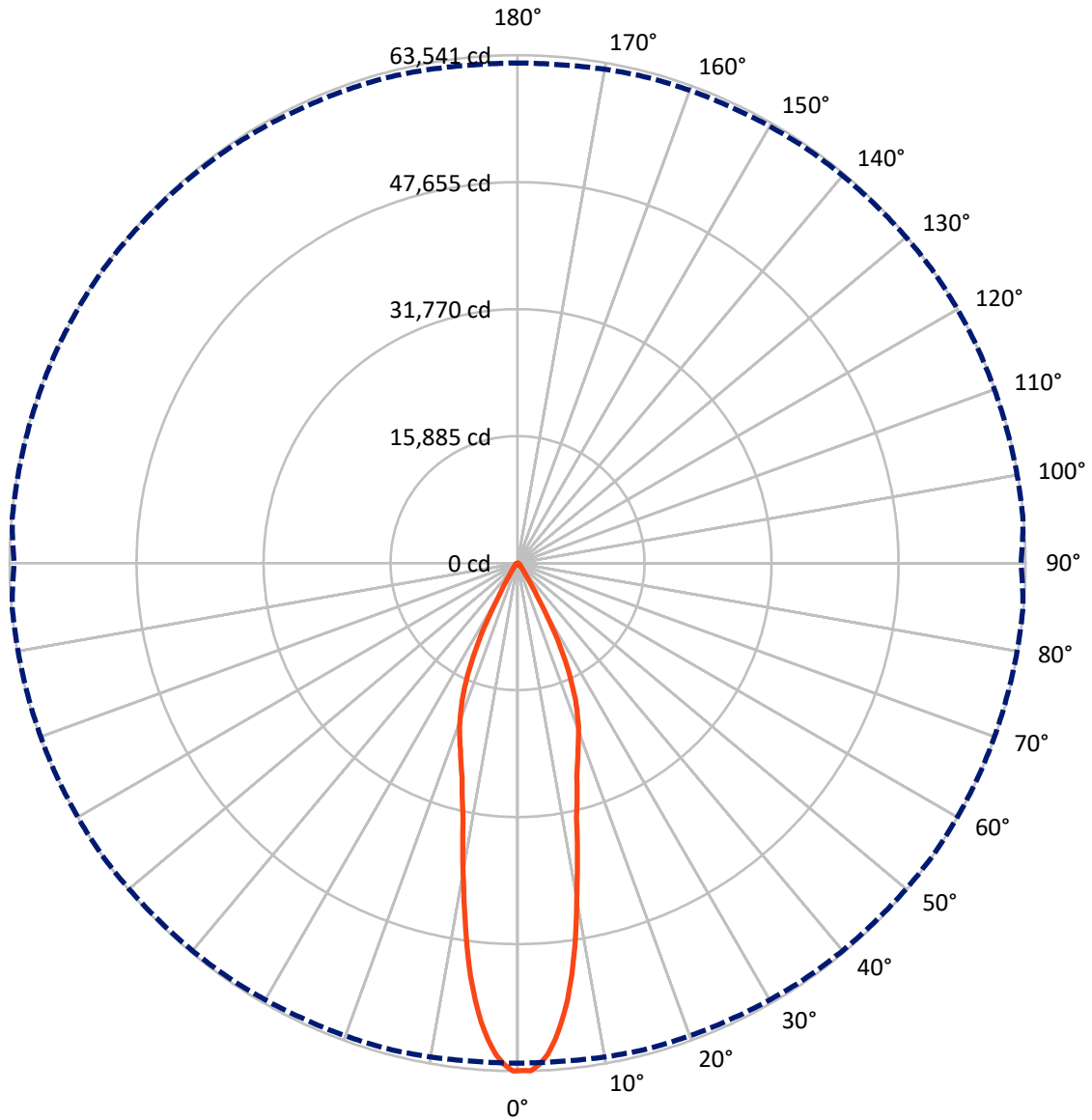
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 158.7 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	10572.7	0.0	10572.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10572.7	0.0	10572.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21145.3	0.0	21145.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4829.0	22.8
10°-20°	7887.0	37.3
20°-30°	6163.2	29.1
30°-40°	1343.4	6.4
40°-50°	397.7	1.9
50°-60°	248.8	1.2
60°-70°	174.0	0.8
70°-80°	74.7	0.4
80°-90°	27.6	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°	21145.3	100.0
0°-180°	21145.3	100.0



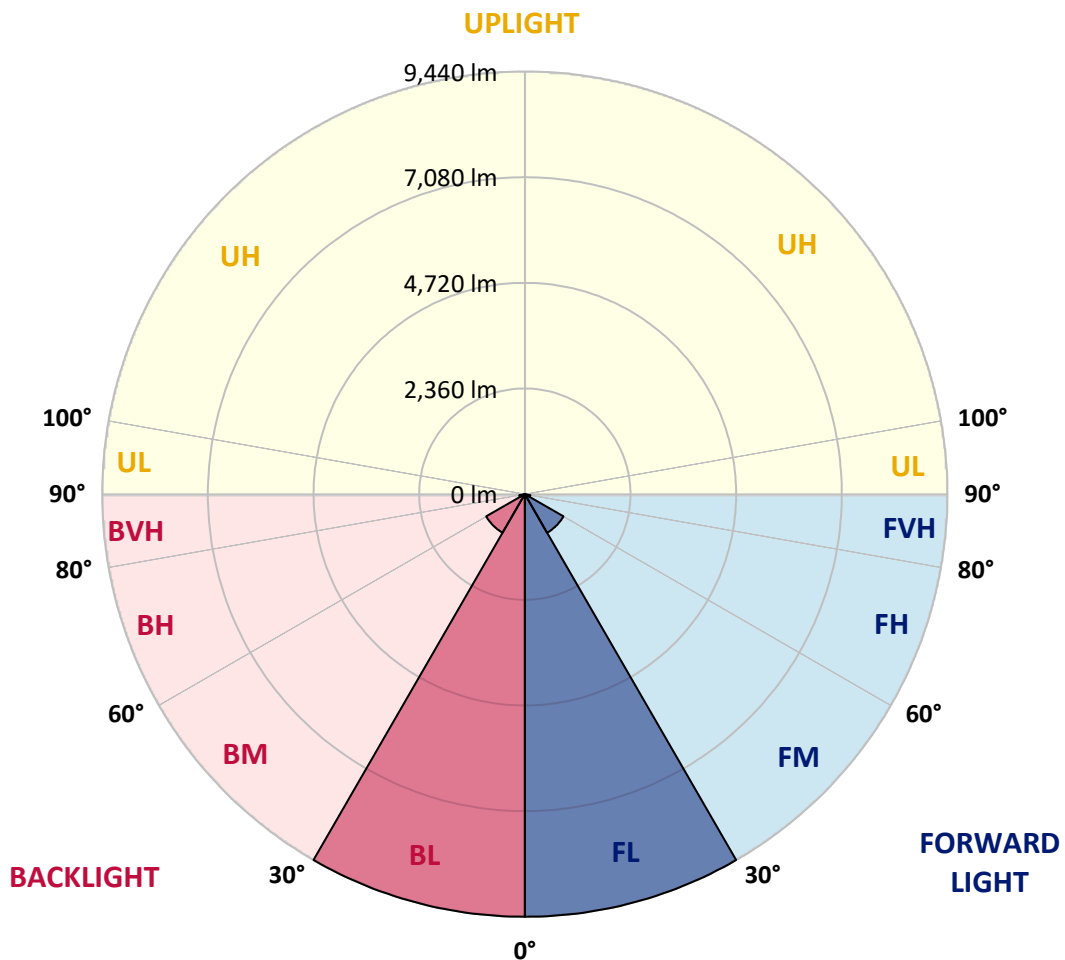
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9439.6	44.6			
FM (30°-60°)	995.0	4.7			
FH (60°-80°)	124.3	0.6			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	9439.6	44.6	B5		
BM (30°-60°)	995.0	4.7	B1/1000		
BH (60°-80°)	124.3	0.6	B1/500		G0/660
BVH (80°-90°)	13.8	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°	63467.9	63467.9	63467.9	63467.9	63467.9	63467.9	63467.9	63467.9	63467.9	63467.9
1°	62549.2	62556.8	62897.5	62974.1	63207.6	63326.3	63540.6	63517.7	63452.6	63460.2
2°	61397.0	61347.2	61664.9	62017.1	62296.5	62526.2	62782.7	62836.3	62775.0	62832.4
3°	59502.1	59429.4	59873.4	60313.6	60799.8	61194.1	61580.7	61596.0	61523.3	61519.4
4°	57010.1	56876.1	57404.4	58189.1	58801.6	59326.0	59808.3	59800.7	59701.2	59781.5
5°	53997.5	53829.0	54514.2	55547.8	56455.0	57086.6	57618.7	57492.4	57262.7	57274.2
6°	50299.6	50464.2	51302.6	52753.4	53825.2	54349.6	55004.2	54766.9	54368.8	54326.7
7°	46823.8	47195.2	47865.0	49614.4	50889.2	51440.4	51995.4	51516.9	50977.2	50889.2
8°	43164.3	43784.4	44710.8	46322.4	47681.3	48236.4	48446.9	47934.0	47355.9	47333.0
9°	40197.6	40622.5	41418.7	42838.9	44220.8	44592.1	44638.1	44190.2	43612.2	43650.4
10°	37498.9	37579.3	38268.3	39489.4	40595.7	40859.8	40848.4	40523.0	40048.3	40174.6
12.5°	31458.3	31676.5	31875.6	32266.0	32637.3	32809.6	32744.5	32610.6	32350.3	32361.7
15°	27358.6	27354.7	27377.7	27557.6	27668.6	27687.8	27687.8	27519.3	27408.3	27572.9
17.5°	23741.1	23940.2	24296.2	24441.6	24587.1	24533.5	24434.0	24357.4	24284.7	24426.3
20°	20927.6	21015.6	21019.4	21115.1	21850.1	21888.4	21762.1	21543.9	21360.1	21325.7
22.5°	17761.8	17895.8	17953.2	18037.4	18114.0	18672.9	18523.6	18171.4	17953.2	17888.1
25°	13332.9	13286.9	13662.1	14351.1	14462.1	14531.0	14492.7	14309.0	14167.4	14194.1
27.5°	9213.9	9294.3	9279.0	9286.7	10017.8	10014.0	10002.5	9841.7	9799.6	9738.4
30°	5152.5	5114.2	5133.3	5083.6	4980.2	5106.5	4903.6	5075.9	4907.5	4961.1
32.5°	3047.1	3020.3	2993.5	3005.0	2928.4	2740.8	2660.4	2779.1	2740.8	2725.5
35°	1944.6	1956.1	1990.5	1986.7	1917.8	1810.6	1695.8	1803.0	1787.7	1741.7
37.5°	1240.3	1240.3	1251.7	1351.3	1293.9	1202.0	1121.6	1167.5	1163.7	1156.0
40°	880.4	880.4	895.7	922.5	891.9	846.0	800.0	800.0	807.7	784.7
42.5°	654.6	654.6	669.9	685.2	646.9	631.6	608.6	593.3	612.5	593.3
45°	512.9	509.1	512.9	505.3	482.3	482.3	463.2	440.2	463.2	451.7
47.5°	421.1	417.2	413.4	398.1	375.1	379.0	371.3	352.2	363.7	359.8
50°	367.5	359.8	363.7	348.3	329.2	325.4	325.4	306.2	310.1	310.1
52.5°	321.6	321.6	317.7	310.1	302.4	287.1	290.9	271.8	271.8	271.8
55°	302.4	302.4	294.8	279.4	283.3	271.8	260.3	248.8	245.0	245.0
57.5°	298.6	298.6	294.8	279.4	268.0	264.1	248.8	233.5	222.0	225.9
60°	290.9	290.9	283.3	279.4	260.3	252.6	229.7	218.2	202.9	202.9
62.5°	279.4	275.6	260.3	237.3	237.3	218.2	202.9	179.9	168.4	164.6
65°	237.3	233.5	222.0	202.9	191.4	179.9	156.9	134.0	126.3	114.8
67.5°	195.2	195.2	187.6	168.4	160.8	145.5	118.7	103.4	84.2	76.6
70°	160.8	160.8	153.1	141.6	134.0	114.8	91.9	76.6	57.4	49.8
72.5°	130.2	130.2	122.5	114.8	107.2	95.7	76.6	57.4	38.3	30.6
75°	103.4	103.4	99.5	91.9	84.2	76.6	61.2	45.9	26.8	15.3
77.5°	84.2	84.2	80.4	76.6	68.9	61.2	49.8	38.3	19.1	7.7
80°	65.1	65.1	65.1	65.1	57.4	49.8	42.1	30.6	15.3	3.8
82.5°	45.9	45.9	49.8	57.4	45.9	38.3	38.3	30.6	11.5	3.8
85°	30.6	34.5	38.3	34.5	30.6	30.6	53.6	49.8	11.5	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	11.5	15.3	11.5	7.7	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°  
63467.9  
62989.4  
62380.7  
61186.4  
59402.6  
56715.3  
53767.8  
50471.9  
46494.6  
43080.1  
39730.6  
31982.8  
27190.1  
24101.0  
21103.6  
17654.6  
14102.3  
9516.4  
5026.1  
2687.2  
1692.0  
1140.7  
777.1  
589.5  
451.7  
359.8  
313.9  
271.8  
241.2  
225.9  
191.4  
156.9  
111.0  
72.7  
45.9  
26.8  
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