

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: P636093

Luminaire Tested: **IFLD-L-SA7D-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636093
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33493.1 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

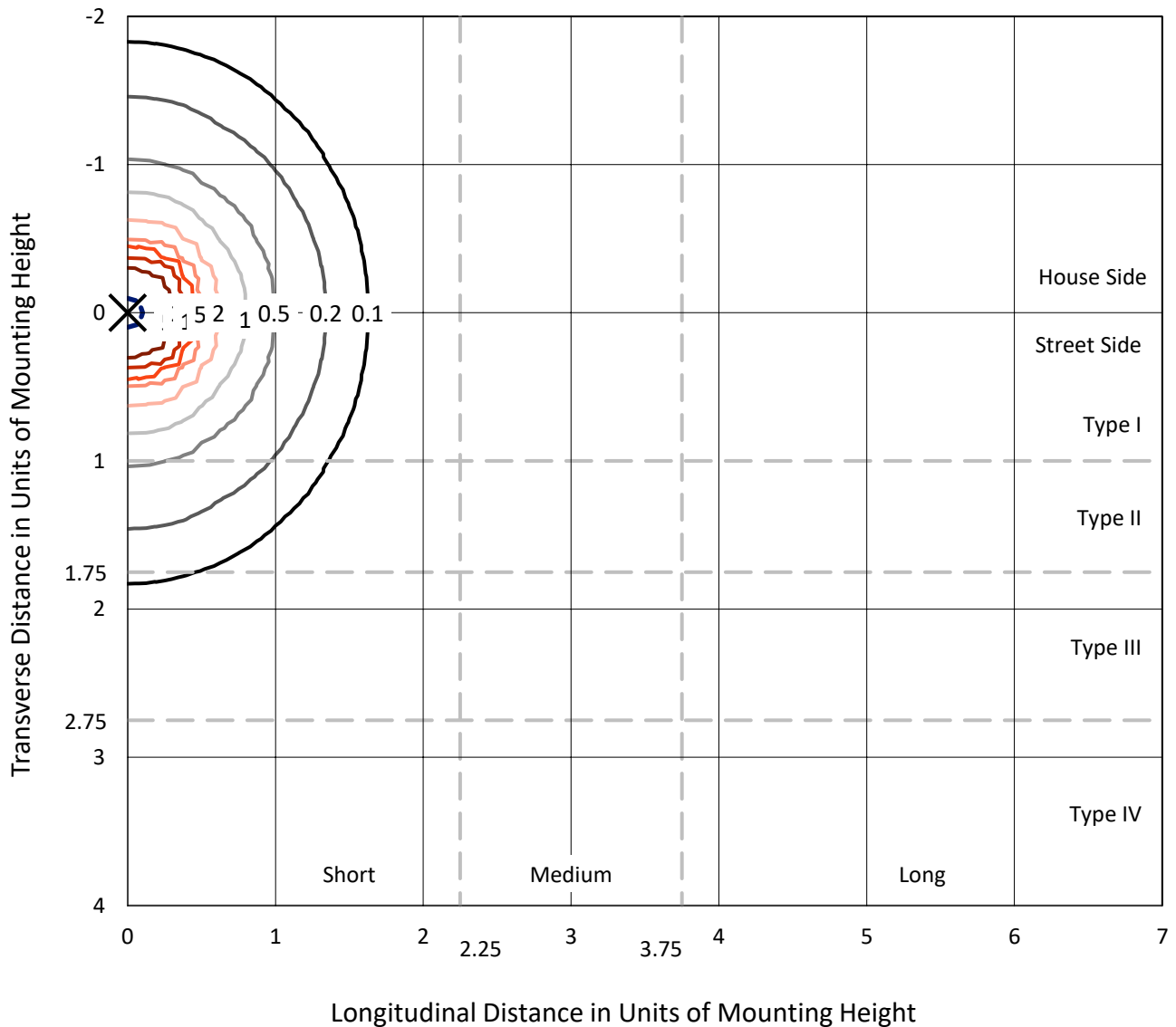
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

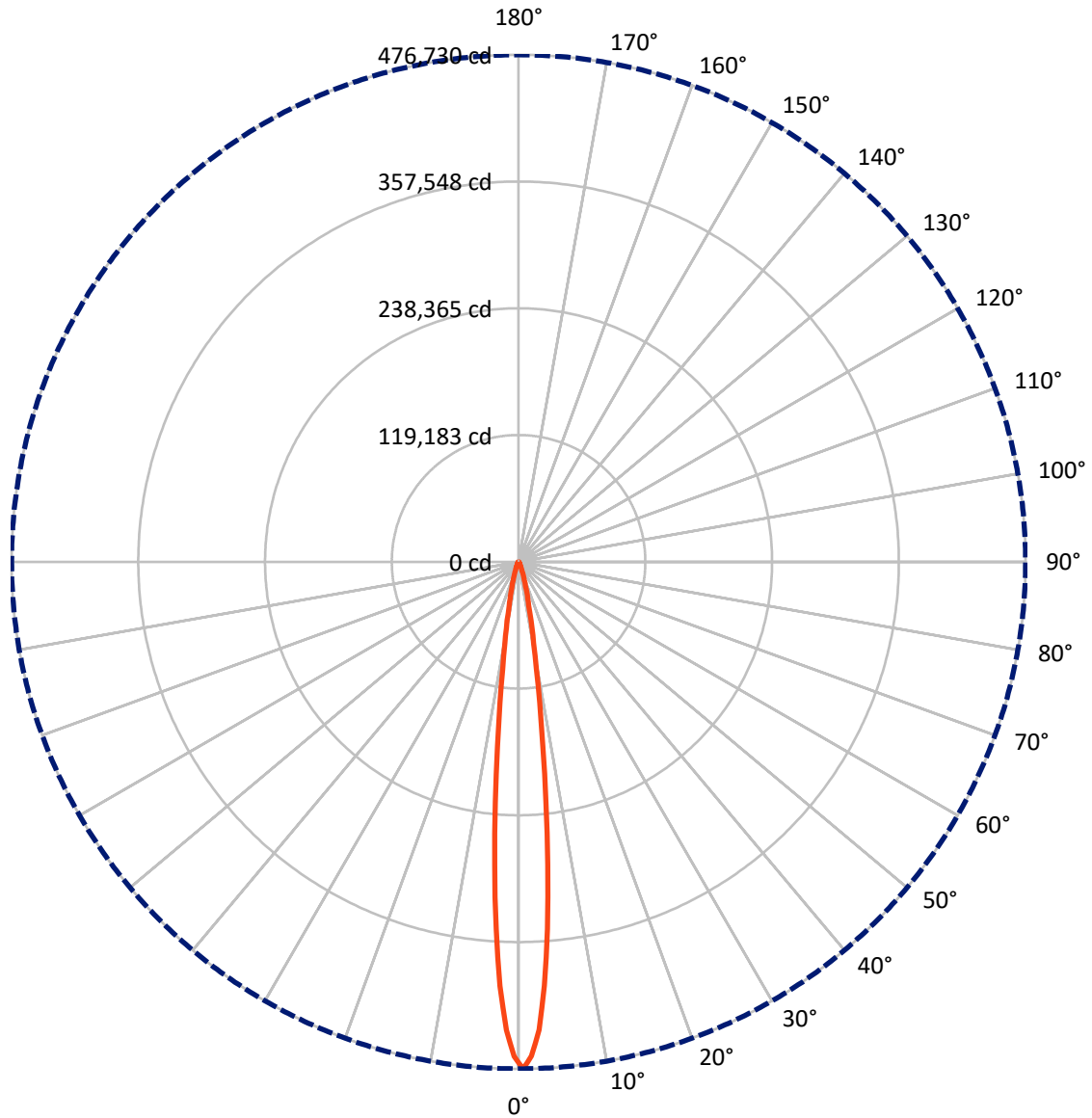
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1191.8 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
House Side	Lumens	16746.6	0.0	16746.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16746.6	0.0	16746.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	33493.1	0.0	33493.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20416.7	61.0
10°-20°	9146.8	27.3
20°-30°	2042.7	6.1
30°-40°	666.7	2.0
40°-50°	459.8	1.4
50°-60°	347.4	1.0
60°-70°	237.7	0.7
70°-80°	125.2	0.4
80°-90°	50.0	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°	33493.1	100.0
0°-180°	33493.1	100.0

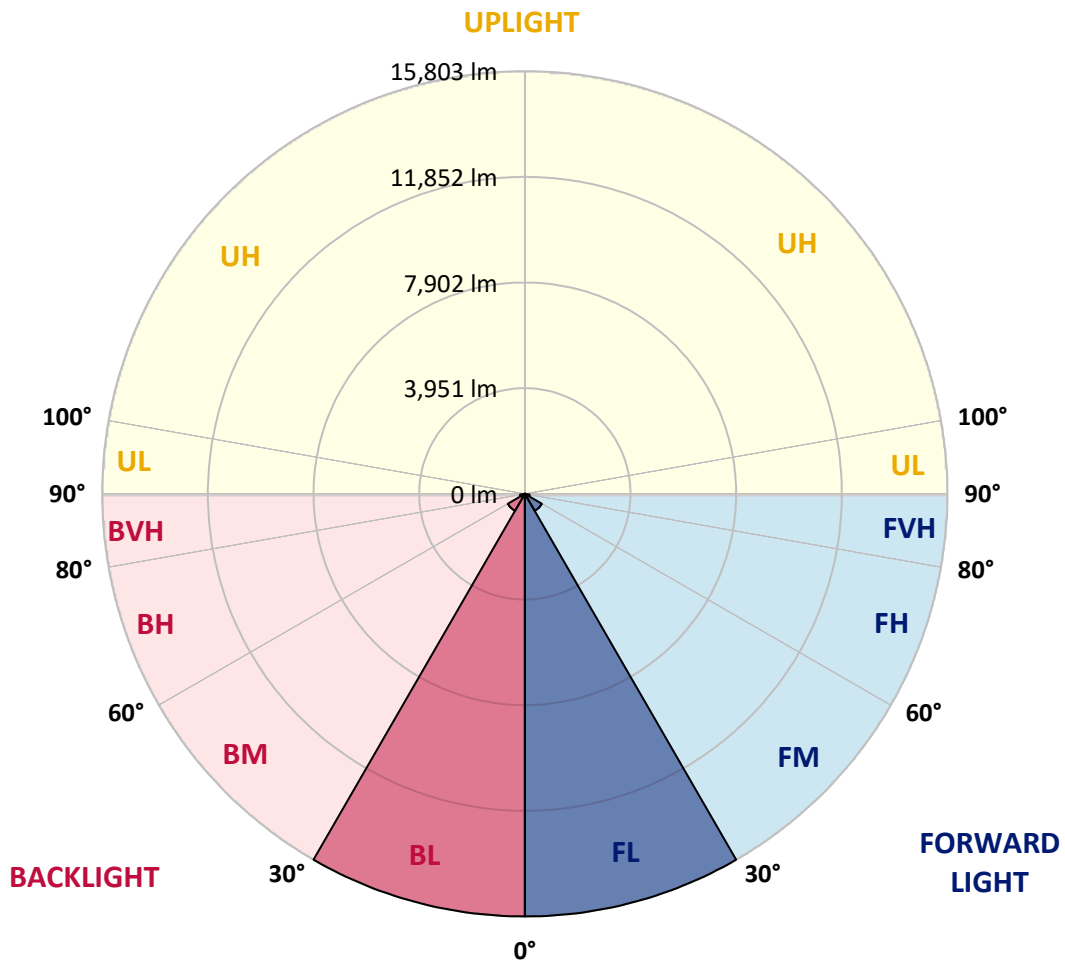


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15803.1	47.2			
FM (30°-60°)	737.0	2.2			
FH (60°-80°)	181.5	0.5			G0/660
FVH (80°-90°)	25.0	0.1			G1/100
BL (0°-30°)	15803.1	47.2	B5		
BM (30°-60°)	737.0	2.2	B1/1000		
BH (60°-80°)	181.5	0.5	B1/500		G0/660
BVH (80°-90°)	25.0	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°	476730.3	476730.3	476730.3	476730.3	476730.3	476730.3	476730.3	476730.3	476730.3	476730.3
1°	464894.2	465526.6	464822.6	468378.2	469845.8	470609.4	470698.9	472703.4	471158.3	471587.8
2°	440392.8	441800.8	439444.3	441723.2	446281.0	448005.1	445195.3	448667.3	447426.5	448148.3
3°	399223.1	400947.2	397689.9	400475.9	406340.2	407652.7	403047.1	407980.8	407855.5	408893.6
4°	346157.6	348955.5	344302.2	347601.3	350196.4	354766.2	350303.8	355917.6	355810.2	357611.9
5°	285921.3	288945.9	284901.1	288325.5	290783.4	292483.6	290849.0	297059.3	297453.1	299314.4
6°	226979.5	229801.3	225285.2	228554.5	232450.1	233148.1	232724.5	238069.8	239257.0	237807.4
7°	174683.6	175387.5	174677.6	177648.6	180774.6	180888.0	181436.8	186137.9	187181.9	186680.7
8°	133782.3	130560.8	133328.9	134903.9	135870.3	140308.8	140637.0	143005.4	144926.3	145063.6
9°	101835.6	98852.7	102056.4	102682.8	104902.0	108845.4	108350.2	110939.4	112144.5	112066.9
10°	77638.5	76123.2	77728.0	78420.0	80245.5	83586.3	84165.0	85352.2	86247.1	86831.7
12.5°	42130.2	42482.2	43412.9	44140.7	46598.6	47487.5	47845.4	47946.9	47940.9	48036.3
15°	26171.8	26458.2	27108.4	28426.9	29924.3	31027.9	31183.1	30610.3	30115.2	30037.6
17.5°	16322.3	16209.0	17736.2	19179.9	20981.6	21554.3	20957.7	20301.5	19627.4	19239.6
20°	9795.8	9873.3	10392.4	11036.7	12492.3	13482.6	12862.2	12194.0	11496.0	11036.7
22.5°	5566.1	5649.6	5876.3	6210.4	6765.2	7666.0	7272.3	6598.1	6103.0	5900.1
25°	3287.1	3287.1	3424.3	3573.5	3806.2	4015.0	3931.4	3573.5	3281.2	3197.7
27.5°	2129.8	2111.9	2159.6	2231.2	2338.6	2350.5	2255.1	2147.7	1998.5	1944.8
30°	1557.1	1563.0	1557.1	1586.9	1580.9	1539.2	1479.5	1485.5	1425.8	1419.9
32.5°	1264.7	1270.7	1270.7	1264.7	1234.9	1169.3	1127.5	1169.3	1157.4	1145.4
35°	1050.0	1055.9	1115.6	1109.6	1061.9	990.3	960.5	1008.2	1044.0	990.3
37.5°	906.8	912.8	960.5	984.4	924.7	877.0	841.2	882.9	936.6	877.0
40°	799.4	805.4	817.3	823.3	793.4	769.6	751.7	763.6	787.5	757.7
42.5°	704.0	698.0	704.0	698.0	662.2	674.1	662.2	644.3	662.2	638.3
45°	614.5	614.5	614.5	596.6	560.8	584.6	572.7	554.8	560.8	542.9
47.5°	560.8	560.8	560.8	536.9	507.1	507.1	513.1	483.2	489.2	483.2
50°	507.1	507.1	519.0	495.2	471.3	453.4	459.4	435.5	441.5	435.5
52.5°	465.3	465.3	465.3	453.4	435.5	423.6	411.6	399.7	393.7	387.8
55°	447.4	447.4	441.5	405.7	399.7	387.8	363.9	357.9	346.0	340.0
57.5°	417.6	417.6	411.6	381.8	357.9	357.9	322.2	316.2	298.3	298.3
60°	369.9	369.9	363.9	357.9	328.1	310.2	286.4	274.4	256.5	250.6
62.5°	352.0	352.0	340.0	310.2	304.3	274.4	250.6	226.7	214.8	202.8
65°	328.1	322.2	316.2	286.4	262.5	244.6	214.8	184.9	173.0	149.1
67.5°	292.3	292.3	286.4	262.5	238.6	208.8	179.0	155.1	125.3	107.4
70°	256.5	250.6	250.6	226.7	208.8	184.9	143.2	119.3	89.5	71.6
72.5°	214.8	214.8	208.8	190.9	179.0	161.1	125.3	95.5	59.7	47.7
75°	173.0	173.0	167.0	155.1	149.1	131.2	107.4	83.5	47.7	23.9
77.5°	143.2	137.2	137.2	125.3	119.3	107.4	89.5	65.6	35.8	17.9
80°	107.4	107.4	113.3	107.4	95.5	89.5	77.6	59.7	29.8	11.9
82.5°	77.6	77.6	83.5	83.5	83.5	77.6	77.6	59.7	29.8	6.0
85°	53.7	53.7	65.6	59.7	59.7	65.6	95.5	77.6	23.9	6.0
87.5°	29.8	29.8	29.8	23.9	23.9	29.8	35.8	29.8	11.9	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°
476730.3
468431.9
445571.1
406107.6
354450.0
295758.8
237956.5
185994.7
143333.5
113892.4
87177.7
48113.9
29799.0
19179.9
11138.1
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3185.7
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