

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: P636092

Luminaire Tested: **IFLD-L-SA7C-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636092
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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: 30438.8 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

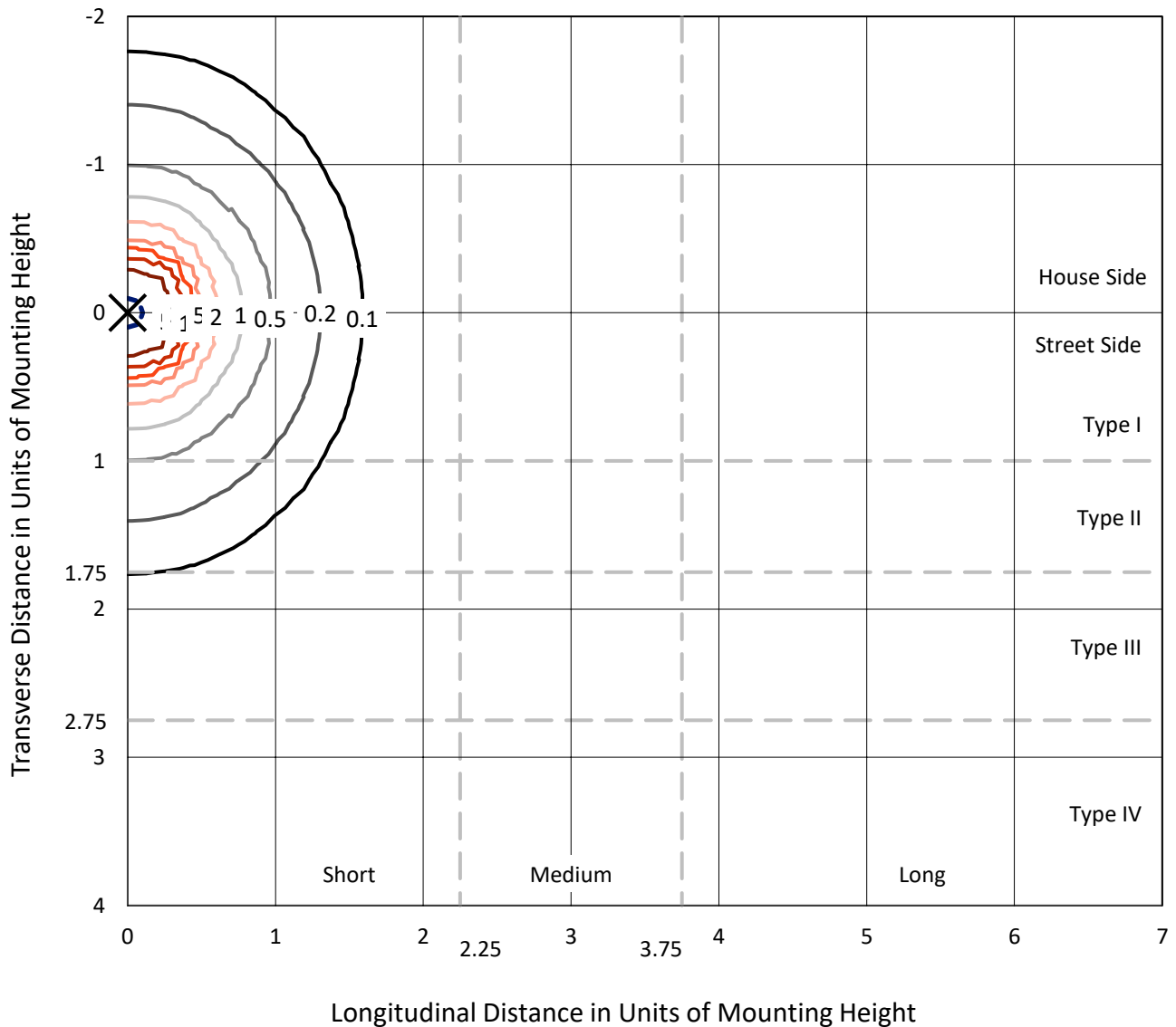
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

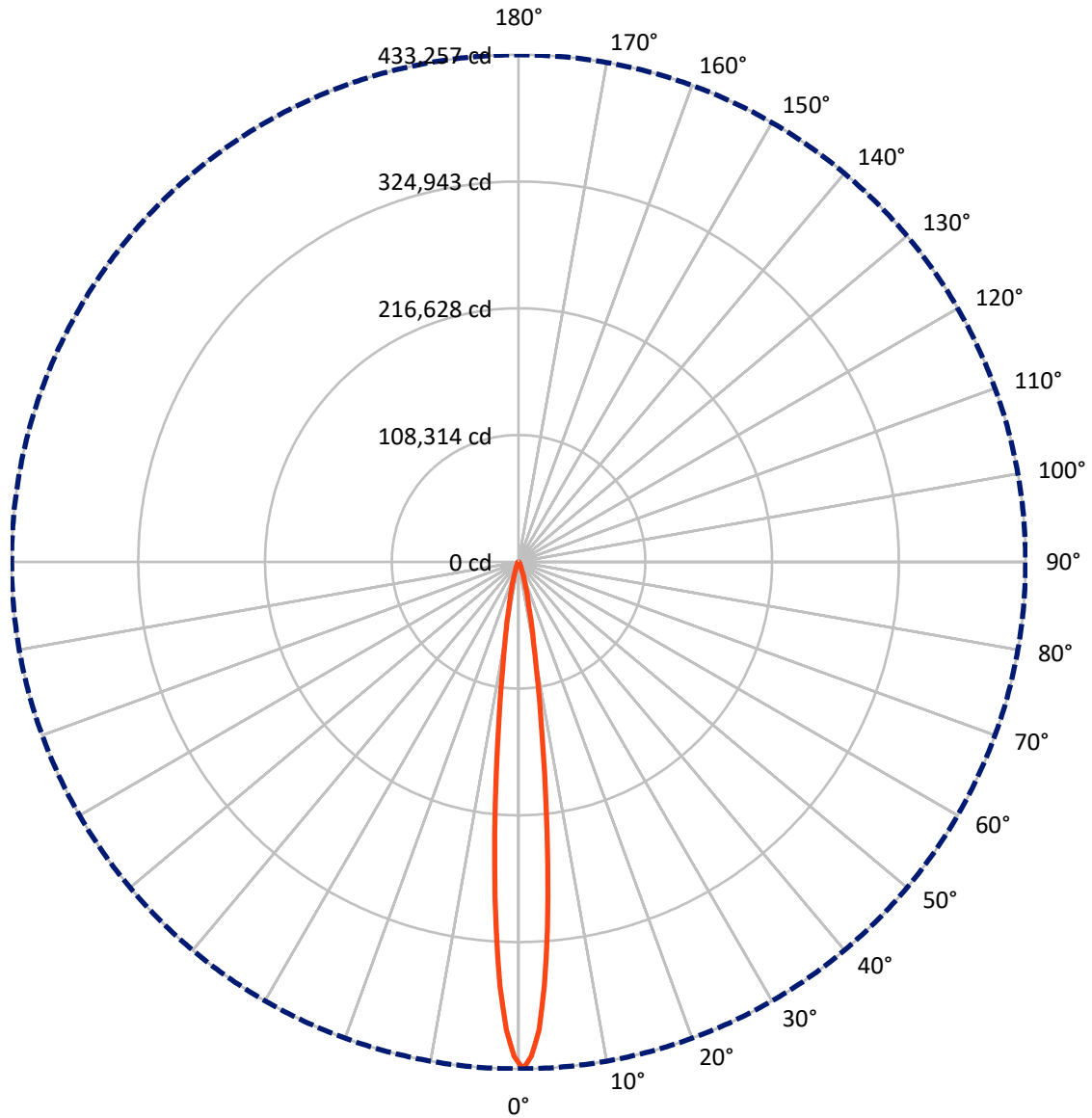
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1083.1 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	15219.4	0.0	15219.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15219.4	0.0	15219.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	30438.8	0.0	30438.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18554.9	61.0
10°-20°	8312.7	27.3
20°-30°	1856.4	6.1
30°-40°	605.9	2.0
40°-50°	417.9	1.4
50°-60°	315.7	1.0
60°-70°	216.1	0.7
70°-80°	113.8	0.4
80°-90°	45.4	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°	30438.8	100.0
0°-180°	30438.8	100.0

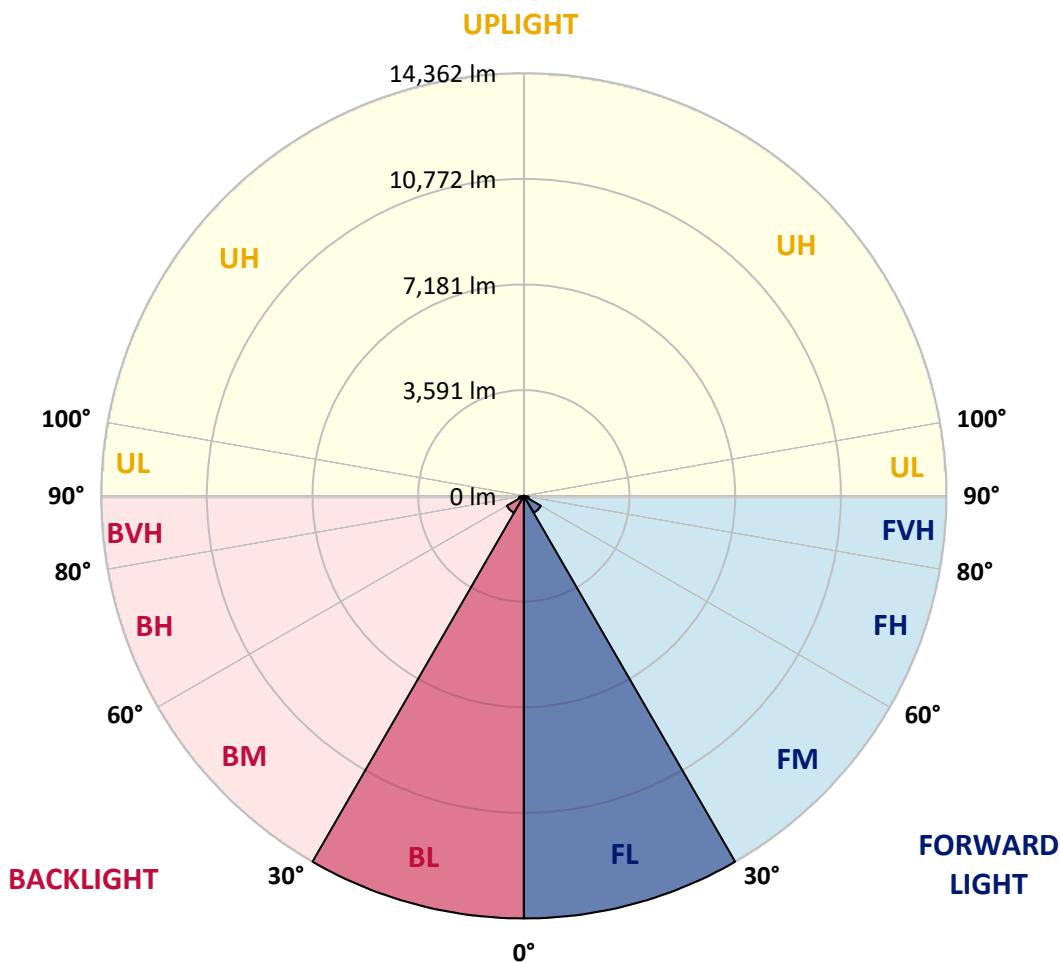


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14362.0	47.2			
FM (30°-60°)	669.8	2.2			
FH (60°-80°)	164.9	0.5			G0/660
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	14362.0	47.2	B5		
BM (30°-60°)	669.8	2.2	B1/1000		
BH (60°-80°)	164.9	0.5	B1/500		G0/660
BVH (80°-90°)	22.7	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°	433256.8	433256.8	433256.8	433256.8	433256.8	433256.8	433256.8	433256.8	433256.8	433256.8
1°	422500.0	423074.7	422435.0	425666.3	427000.1	427694.1	427775.4	429597.1	428192.9	428583.2
2°	400232.9	401512.5	399370.9	401442.0	405584.2	407151.1	404597.4	407752.9	406625.2	407281.2
3°	362817.5	364384.4	361424.1	363956.1	369285.6	370478.4	366292.8	370776.6	370662.8	371606.1
4°	314591.1	317133.9	312905.0	315903.2	318261.6	322414.7	318359.2	323461.1	323363.5	325000.9
5°	259847.8	262596.6	258920.7	262032.8	264266.5	265811.7	264326.2	269970.2	270328.0	272019.6
6°	206281.0	208845.5	204741.2	207712.3	211252.7	211887.1	211502.1	216360.0	217438.9	216121.4
7°	158754.0	159393.8	158748.6	161448.6	164289.6	164392.6	164891.4	169163.7	170112.6	169657.1
8°	121582.5	118654.8	121170.5	122601.8	123480.2	127513.9	127812.1	129964.6	131710.4	131835.1
9°	92549.1	89838.3	92749.7	93319.0	95335.9	98919.7	98469.7	100822.7	101917.9	101847.4
10°	70558.5	69181.4	70639.9	71268.8	72927.8	75964.0	76489.9	77568.9	78382.1	78913.4
12.5°	38288.3	38608.2	39454.0	40115.5	42349.2	43157.1	43482.4	43574.5	43569.1	43655.9
15°	23785.2	24045.4	24636.4	25834.6	27195.5	28198.5	28339.4	27819.0	27368.9	27298.5
17.5°	14833.9	14730.9	16118.8	17430.9	19068.3	19588.8	19046.6	18450.2	17837.5	17485.1
20°	8902.5	8973.0	9444.7	10030.2	11353.1	12253.1	11689.3	11082.0	10447.7	10030.2
22.5°	5058.5	5134.4	5340.4	5644.0	6148.3	6966.9	6609.1	5996.4	5546.4	5362.1
25°	2987.4	2987.4	3112.1	3247.6	3459.1	3648.8	3572.9	3247.6	2982.0	2906.1
27.5°	1935.6	1919.3	1962.7	2027.7	2125.3	2136.2	2049.4	1951.8	1816.3	1767.5
30°	1415.1	1420.5	1415.1	1442.2	1436.8	1398.8	1344.6	1350.0	1295.8	1290.4
32.5°	1149.4	1154.8	1154.8	1149.4	1122.3	1062.7	1024.7	1062.7	1051.8	1041.0
35°	954.2	959.6	1013.9	1008.4	965.1	900.0	872.9	916.3	948.8	900.0
37.5°	824.1	829.5	872.9	894.6	840.4	797.0	764.5	802.4	851.2	797.0
40°	726.5	731.9	742.8	748.2	721.1	699.4	683.1	694.0	715.7	688.6
42.5°	639.8	634.3	639.8	634.3	601.8	612.7	601.8	585.5	601.8	580.1
45°	558.4	558.4	558.4	542.2	509.6	531.3	520.5	504.2	509.6	493.4
47.5°	509.6	509.6	509.6	488.0	460.8	460.8	466.3	439.2	444.6	439.2
50°	460.8	460.8	471.7	450.0	428.3	412.1	417.5	395.8	401.2	395.8
52.5°	422.9	422.9	422.9	412.1	395.8	384.9	374.1	363.3	357.8	352.4
55°	406.6	406.6	401.2	368.7	363.3	352.4	330.7	325.3	314.5	309.0
57.5°	379.5	379.5	374.1	347.0	325.3	325.3	292.8	287.4	271.1	271.1
60°	336.1	336.1	330.7	325.3	298.2	281.9	260.2	249.4	233.1	227.7
62.5°	319.9	319.9	309.0	281.9	276.5	249.4	227.7	206.0	195.2	184.3
65°	298.2	292.8	287.4	260.2	238.6	222.3	195.2	168.1	157.2	135.5
67.5°	265.7	265.7	260.2	238.6	216.9	189.8	162.7	141.0	113.9	97.6
70°	233.1	227.7	227.7	206.0	189.8	168.1	130.1	108.4	81.3	65.1
72.5°	195.2	195.2	189.8	173.5	162.7	146.4	113.9	86.7	54.2	43.4
75°	157.2	157.2	151.8	141.0	135.5	119.3	97.6	75.9	43.4	21.7
77.5°	130.1	124.7	124.7	113.9	108.4	97.6	81.3	59.6	32.5	16.3
80°	97.6	97.6	103.0	97.6	86.7	81.3	70.5	54.2	27.1	10.8
82.5°	70.5	70.5	75.9	75.9	75.9	70.5	70.5	54.2	27.1	5.4
85°	48.8	48.8	59.6	54.2	54.2	59.6	86.7	70.5	21.7	5.4
87.5°	27.1	27.1	27.1	21.7	21.7	27.1	32.5	27.1	10.8	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
433256.8
425715.1
404939.0
369074.2
322127.3
268788.2
216257.0
169033.6
130262.8
103506.5
79227.9
43726.3
27081.6
17430.9
10122.4
5383.8
2895.2
1767.5
1285.0
1019.3
889.2
791.6
677.7
580.1
493.4
439.2
395.8
352.4
303.6
271.1
216.9
178.9
130.1
97.6
65.1
38.0
21.7
10.8
5.4
5.4
5.4
5.4
0.0

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