

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: P524210

Luminaire Tested: **IFLD-L-SA7C-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524210
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

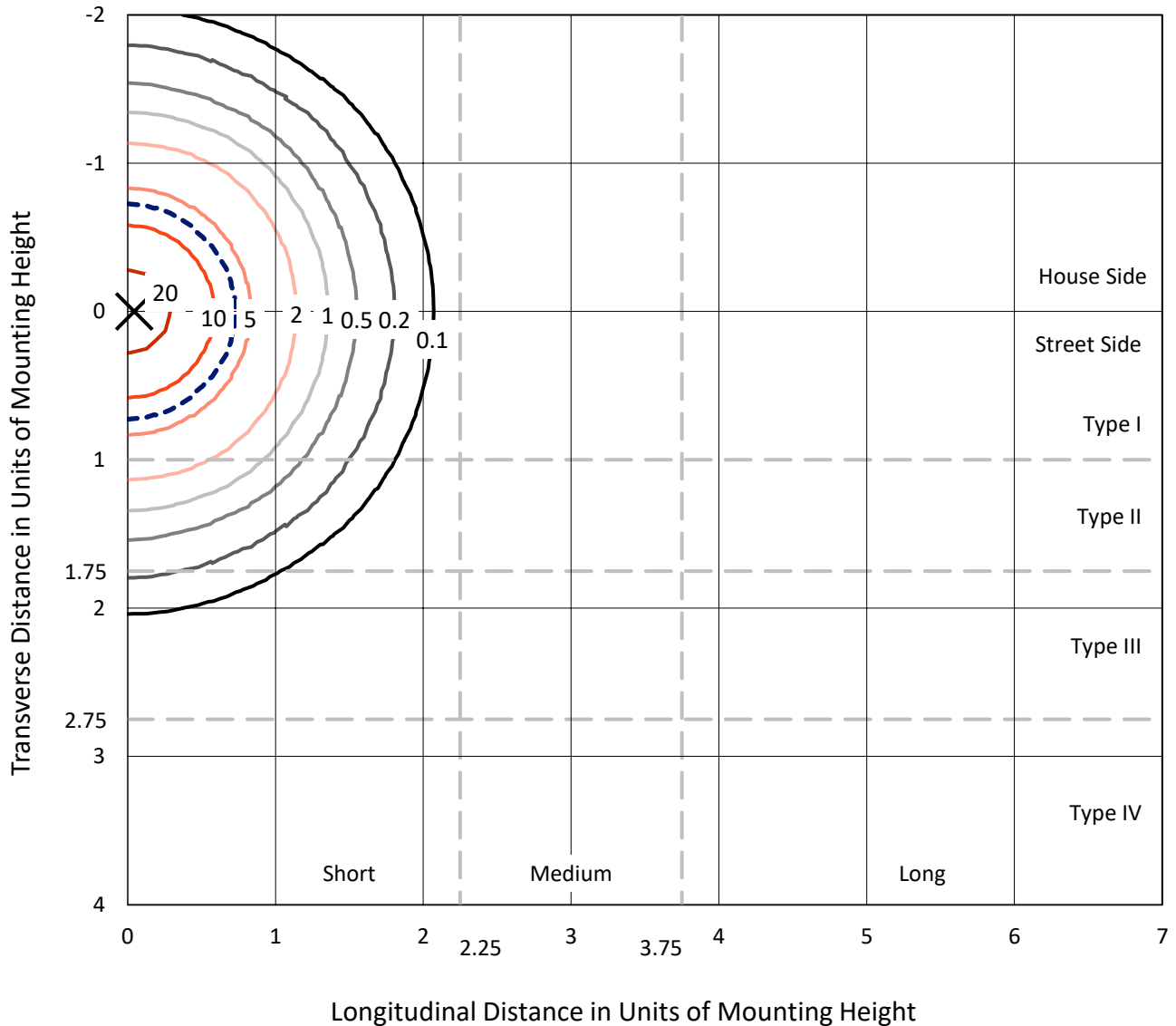
Lumens per Lamp: N/A
Luminaire Lumens: 33236.9 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

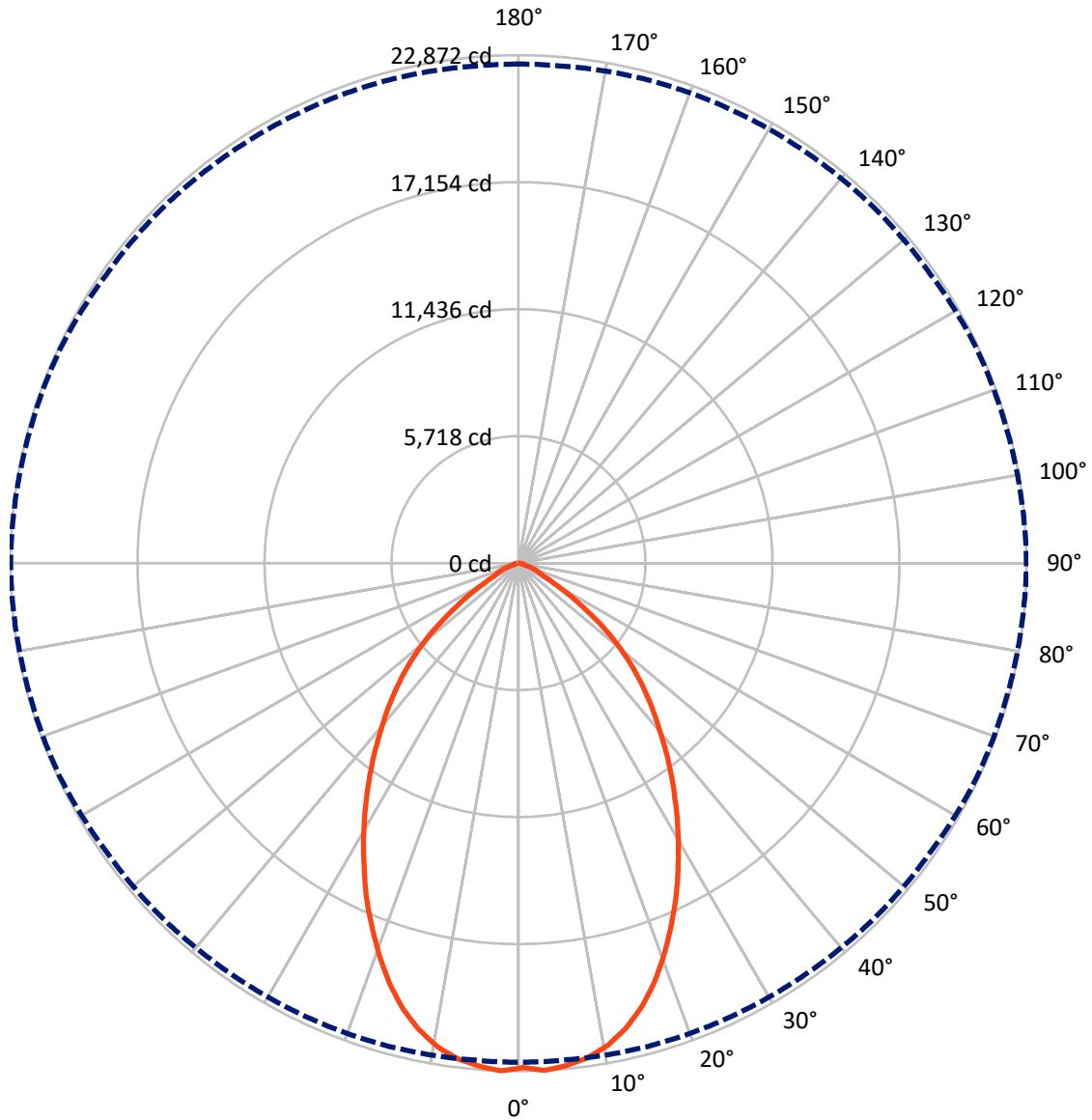
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 25.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16618.4	0.0	16618.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16618.4	0.0	16618.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	33236.9	0.0	33236.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2132.7	6.4
10°-20°	5730.7	17.2
20°-30°	7414.3	22.3
30°-40°	7312.3	22.0
40°-50°	5916.0	17.8
50°-60°	3221.1	9.7
60°-70°	1020.6	3.1
70°-80°	394.9	1.2
80°-90°	94.4	0.3
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°	33236.9	100.0
0°-180°	33236.9	100.0

Coefficient of Utilization



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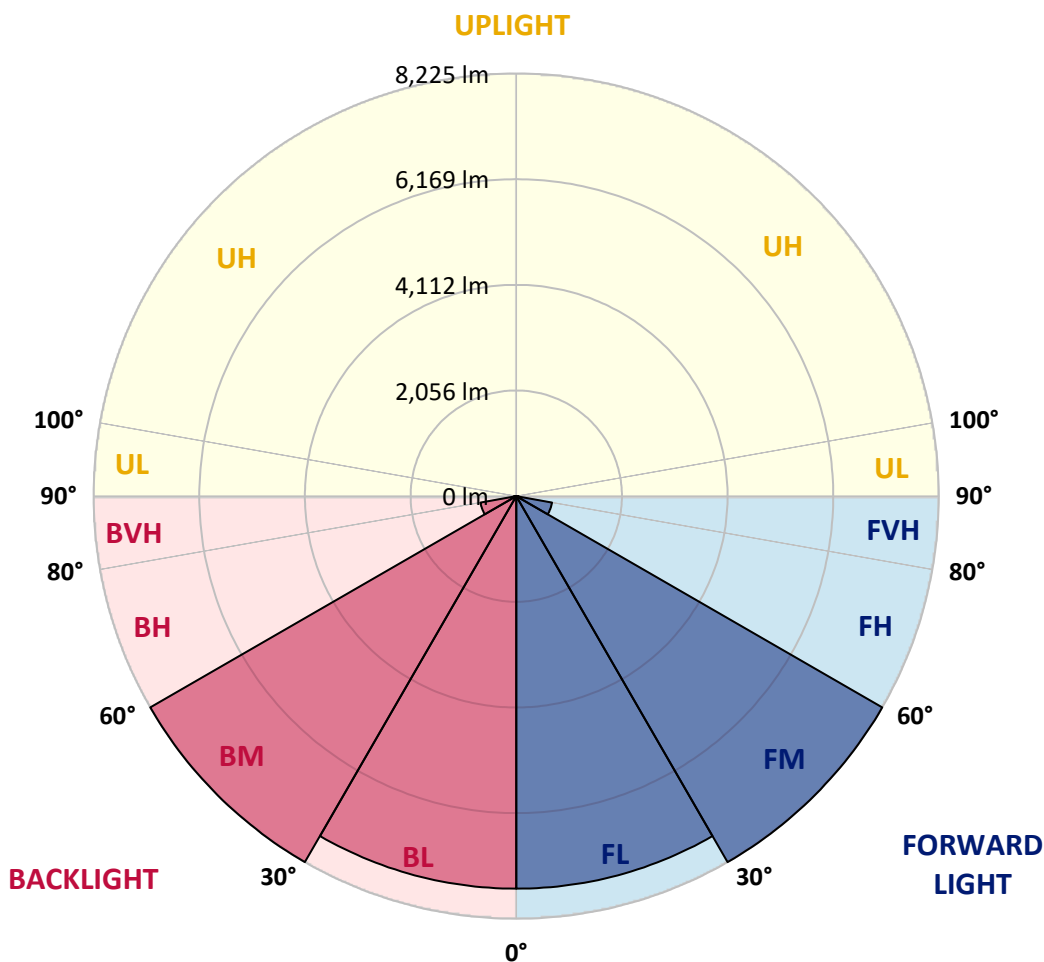
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7638.8	23.0			
FM (30°-60°)	8224.7	24.7			
FH (60°-80°)	707.7	2.1			G1/1800
FVH (80°-90°)	47.2	0.1			G1/100
BL (0°-30°)	7638.8	23.0	B5		
BM (30°-60°)	8224.7	24.7	B4/8500		
BH (60°-80°)	707.7	2.1	B2/1000		G1/1800
BVH (80°-90°)	47.2	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°	90°
0°	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3	22718.3
2.5°	22473.4	22468.6	22526.2	22550.2	22579.0	22636.7	22655.9	22780.7	22795.1	22843.2	22872.0
5°	22435.0	22415.8	22473.4	22483.0	22516.6	22526.2	22555.0	22641.5	22631.9	22703.9	22718.3
7.5°	22228.5	22204.5	22252.5	22262.1	22310.1	22295.7	22343.7	22406.2	22406.2	22459.0	22483.0
10°	21767.5	21762.7	21810.7	21815.5	21882.8	21868.3	21945.2	21959.6	21998.0	22036.4	22079.6
12.5°	21215.3	21152.8	21215.3	21191.3	21282.5	21229.7	21335.3	21368.9	21388.1	21455.4	21489.0
15°	20504.6	20427.7	20471.0	20446.9	20504.6	20437.3	20547.8	20615.0	20639.0	20706.3	20739.9
17.5°	19553.8	19491.4	19501.0	19467.3	19505.8	19452.9	19558.6	19664.2	19697.8	19769.9	19817.9
20°	18358.1	18358.1	18362.9	18334.1	18367.7	18314.9	18382.1	18545.4	18579.0	18675.0	18756.6
22.5°	17191.2	17191.2	17205.6	17167.2	17176.8	17152.8	17224.8	17383.3	17436.1	17536.9	17637.8
25°	16072.3	16053.1	16062.7	16029.1	15990.7	16000.3	16086.7	16187.6	16302.8	16432.5	16509.3
27.5°	15006.3	15030.3	14972.7	14948.7	14919.8	14867.0	14967.9	15092.7	15174.3	15280.0	15318.4
30°	13868.2	13916.2	13873.0	13853.8	13781.8	13714.5	13820.2	13945.0	14026.7	14127.5	14170.7
32.5°	12855.0	12840.6	12802.2	12758.9	12686.9	12634.1	12677.3	12821.4	12883.8	12989.4	13003.8
35°	11769.7	11760.1	11736.1	11649.7	11625.7	11563.2	11601.7	11726.5	11774.5	11836.9	11885.0
37.5°	10708.5	10674.9	10665.3	10631.6	10588.4	10574.0	10574.0	10641.2	10689.3	10751.7	10799.7
40°	9656.8	9666.4	9637.6	9608.8	9594.4	9575.2	9580.0	9618.4	9656.8	9685.7	9714.5
42.5°	8706.0	8653.2	8634.0	8605.2	8619.6	8643.6	8590.8	8648.4	8696.4	8696.4	8758.9
45°	7616.0	7640.0	7649.6	7697.6	7697.6	7673.6	7654.4	7683.2	7731.2	7726.4	7788.9
47.5°	6665.2	6636.4	6660.4	6732.4	6794.8	6804.4	6746.8	6761.2	6775.6	6751.6	6809.2
50°	5623.2	5632.8	5628.0	5738.4	5863.3	5820.0	5776.8	5791.2	5786.4	5786.4	5796.0
52.5°	4489.9	4513.9	4485.1	4643.5	4778.0	4744.4	4715.6	4715.6	4739.6	4734.8	4730.0
55°	3457.4	3447.8	3385.4	3462.2	3582.3	3587.1	3543.9	3563.1	3587.1	3611.1	3606.3
57.5°	2573.9	2545.1	2458.6	2463.4	2597.9	2631.5	2593.1	2588.3	2617.1	2626.7	2679.5
60°	1733.5	1728.7	1651.9	1647.1	1699.9	1791.1	1747.9	1747.9	1757.5	1771.9	1786.3
62.5°	1186.1	1195.7	1166.9	1162.1	1171.7	1248.5	1243.7	1238.9	1234.1	1253.3	1248.5
65°	931.6	936.4	926.8	926.8	931.6	965.2	998.8	1003.6	1008.4	1013.2	1008.4
67.5°	749.1	753.9	744.3	753.9	753.9	758.7	806.7	825.9	830.7	830.7	825.9
70°	576.2	595.4	605.1	605.1	605.1	605.1	638.7	662.7	657.9	629.1	600.3
72.5°	288.1	350.5	485.0	489.8	485.0	480.2	499.4	523.4	518.6	365.0	273.7
75°	192.1	206.5	379.4	398.6	393.8	374.6	393.8	422.6	413.0	235.3	225.7
77.5°	110.4	120.1	254.5	292.9	316.9	273.7	312.1	340.9	326.5	192.1	187.3
80°	86.4	81.6	182.5	225.7	216.1	172.9	254.5	273.7	249.7	144.1	129.7
82.5°	52.8	52.8	120.1	172.9	158.5	100.8	177.7	211.3	187.3	105.6	96.0
85°	28.8	33.6	57.6	86.4	91.2	67.2	96.0	115.2	115.2	67.2	67.2
87.5°	14.4	14.4	19.2	19.2	24.0	28.8	28.8	33.6	24.0	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)