

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: P524137

Luminaire Tested: **IFLD-L-SA8C-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524137
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

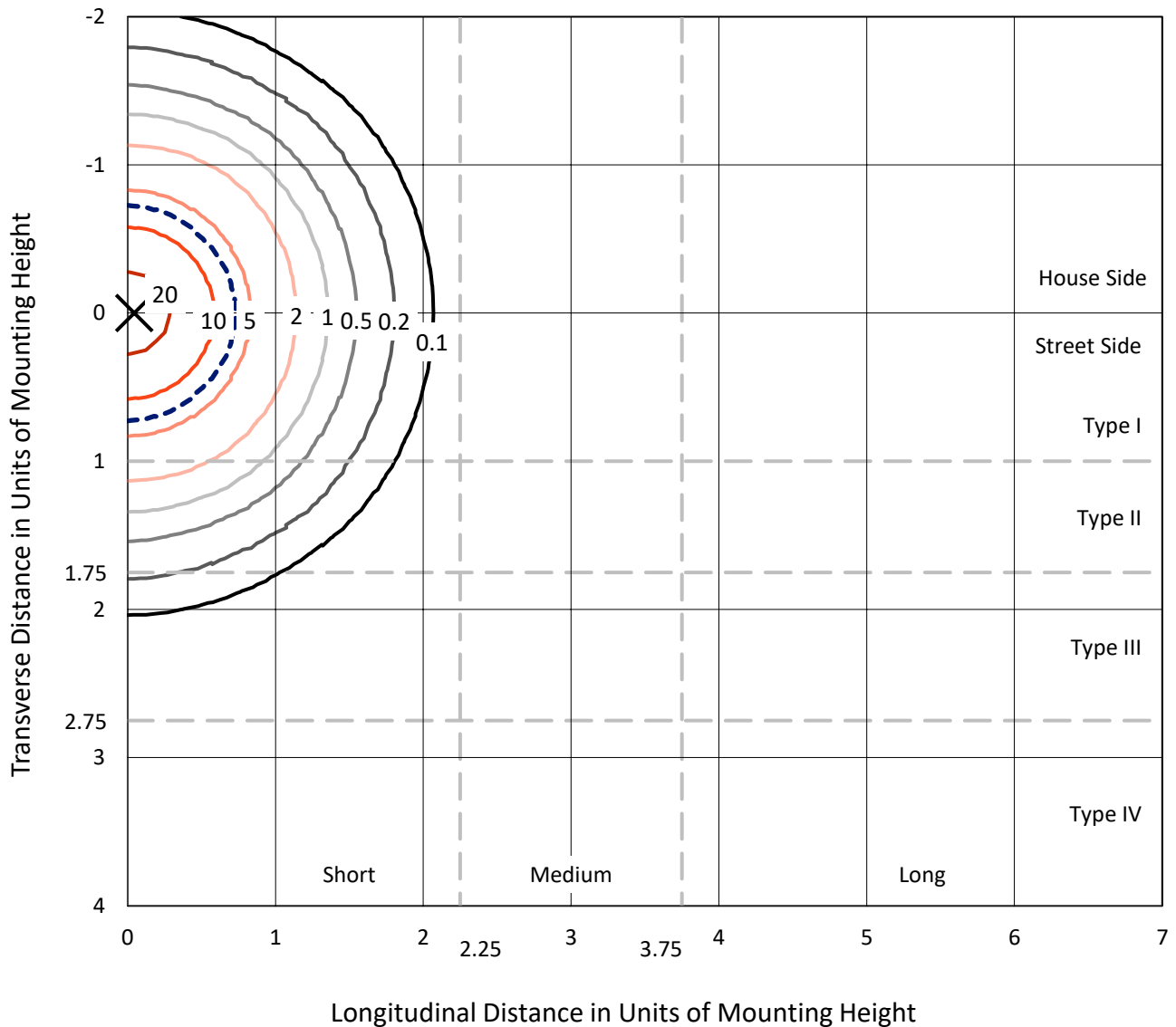
Lumens per Lamp: N/A
Luminaire Lumens: 33094.4 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

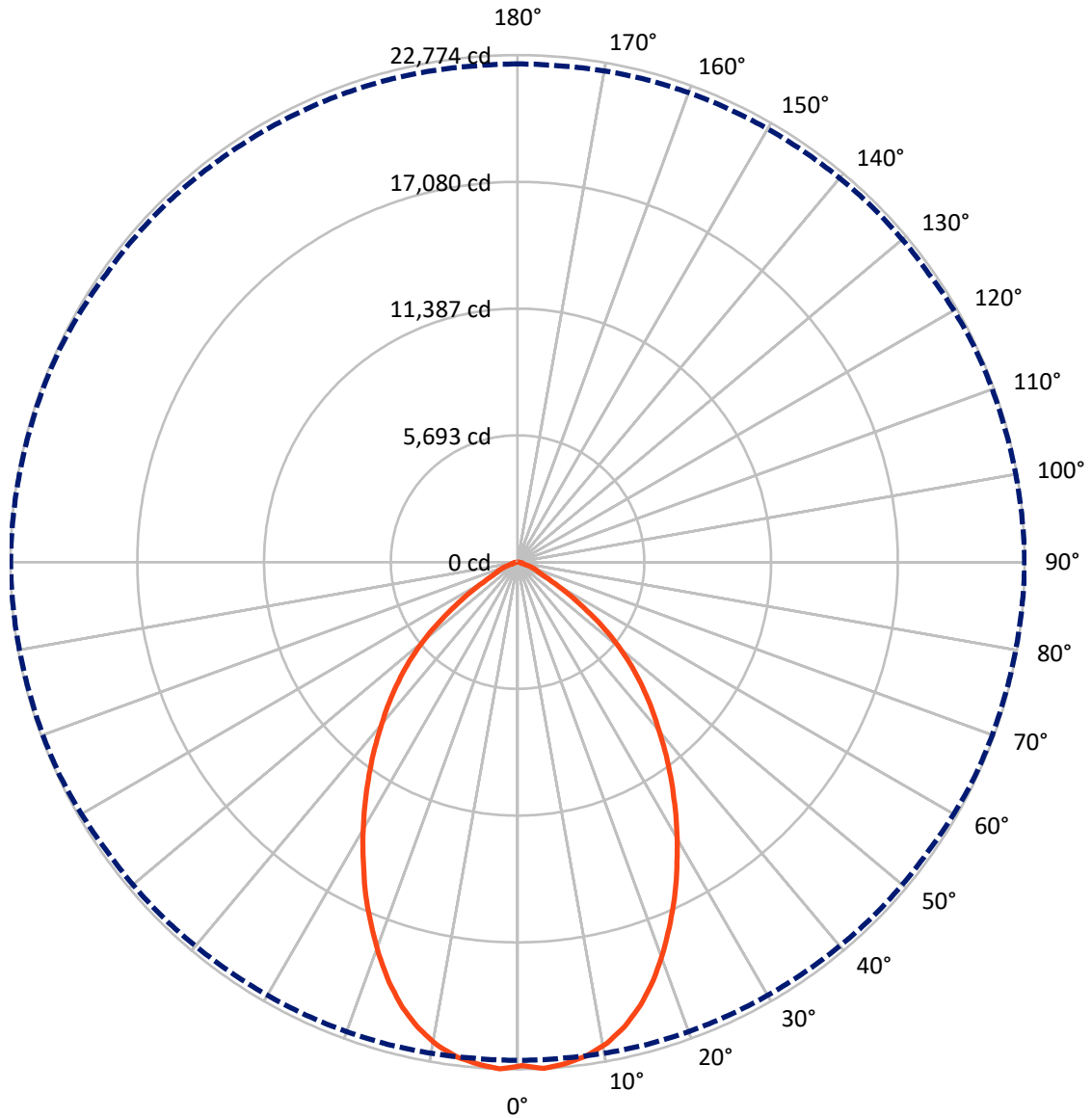
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 25.1 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	16547.2	0.0	16547.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16547.2	0.0	16547.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33094.4	0.0	33094.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2123.6	6.4
10°-20°	5706.1	17.2
20°-30°	7382.5	22.3
30°-40°	7281.0	22.0
40°-50°	5890.6	17.8
50°-60°	3207.3	9.7
60°-70°	1016.2	3.1
70°-80°	393.2	1.2
80°-90°	94.0	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°	33094.4	100.0
0°-180°	33094.4	100.0

Coefficient of Utilization



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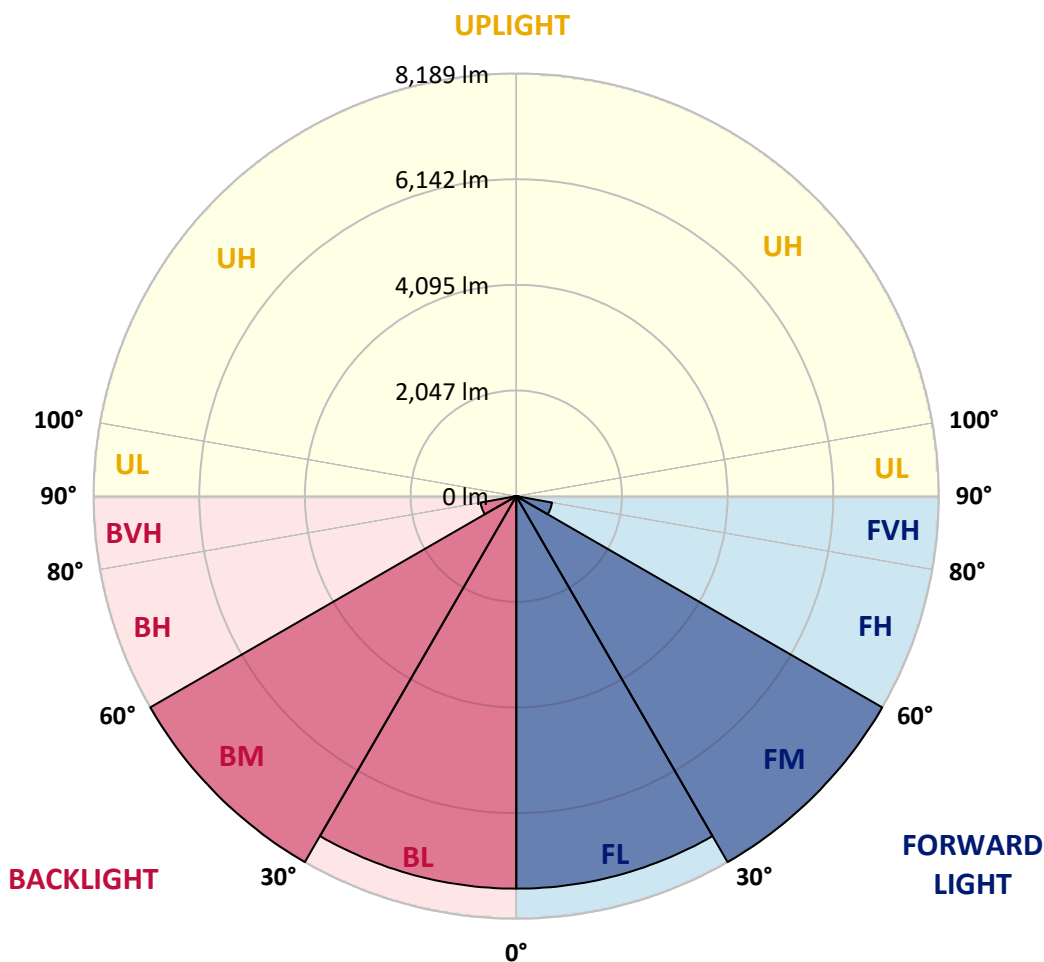
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7606.1	23.0			
FM	(30°-60°)	8189.4	24.7			
FH	(60°-80°)	704.7	2.1			G1/1800
FVH	(80°-90°)	47.0	0.1			G1/100
BL	(0°-30°)	7606.1	23.0	B5		
BM	(30°-60°)	8189.4	24.7	B4/8500		
BH	(60°-80°)	704.7	2.1	B2/1000		G1/1800
BVH	(80°-90°)	47.0	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°	90°
0°	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9	22620.9
2.5°	22377.1	22372.3	22429.6	22453.6	22482.2	22539.6	22558.7	22683.1	22697.4	22745.2	22773.9
5°	22338.8	22319.7	22377.1	22386.6	22420.1	22429.6	22458.3	22544.4	22534.8	22606.6	22620.9
7.5°	22133.2	22109.3	22157.1	22166.7	22214.5	22200.1	22248.0	22310.1	22310.1	22362.7	22386.6
10°	21674.2	21669.4	21717.2	21722.0	21788.9	21774.6	21851.1	21865.4	21903.7	21941.9	21985.0
12.5°	21124.3	21062.2	21124.3	21100.4	21191.3	21138.7	21243.9	21277.3	21296.4	21363.4	21396.9
15°	20416.7	20340.2	20383.2	20359.3	20416.7	20349.7	20459.7	20526.6	20550.5	20617.5	20651.0
17.5°	19469.9	19407.8	19417.4	19383.9	19422.1	19369.5	19474.7	19579.9	19613.4	19685.1	19732.9
20°	18279.4	18279.4	18284.2	18255.5	18288.9	18236.3	18303.3	18465.8	18499.3	18594.9	18676.2
22.5°	17117.5	17117.5	17131.8	17093.6	17103.1	17079.2	17151.0	17308.7	17361.3	17461.7	17562.2
25°	16003.4	15984.3	15993.9	15960.4	15922.1	15931.7	16017.8	16118.2	16232.9	16362.0	16438.5
27.5°	14941.9	14965.8	14908.5	14884.6	14855.9	14803.3	14903.7	15028.0	15109.3	15214.5	15252.7
30°	13808.7	13856.6	13813.5	13794.4	13722.7	13655.7	13760.9	13885.2	13966.5	14066.9	14110.0
32.5°	12799.9	12785.5	12747.3	12704.2	12632.5	12579.9	12623.0	12766.4	12828.6	12933.7	12948.1
35°	11719.3	11709.7	11685.8	11599.7	11575.8	11513.7	11551.9	11676.2	11724.0	11786.2	11834.0
37.5°	10662.6	10629.1	10619.5	10586.1	10543.0	10528.7	10528.7	10595.6	10643.4	10705.6	10753.4
40°	9615.4	9625.0	9596.3	9567.6	9553.3	9534.2	9538.9	9577.2	9615.4	9644.1	9672.8
42.5°	8668.7	8616.1	8597.0	8568.3	8582.7	8606.6	8554.0	8611.3	8659.2	8659.2	8721.3
45°	7583.3	7607.2	7616.8	7664.6	7664.6	7640.7	7621.6	7650.3	7698.1	7693.3	7755.5
47.5°	6636.6	6607.9	6631.8	6703.6	6765.7	6775.3	6717.9	6732.2	6746.6	6722.7	6780.1
50°	5599.0	5608.6	5603.8	5713.8	5838.1	5795.1	5752.0	5766.4	5761.6	5761.6	5771.2
52.5°	4470.6	4494.5	4465.8	4623.6	4757.5	4724.0	4695.4	4695.4	4719.3	4714.5	4709.7
55°	3442.6	3433.1	3370.9	3447.4	3566.9	3571.7	3528.7	3547.8	3571.7	3595.6	3590.8
57.5°	2562.8	2534.2	2448.1	2452.9	2586.7	2620.2	2582.0	2577.2	2605.9	2615.4	2668.0
60°	1726.1	1721.3	1644.8	1640.0	1692.6	1783.5	1740.4	1740.4	1750.0	1764.3	1778.7
62.5°	1181.0	1190.6	1161.9	1157.1	1166.7	1243.2	1238.4	1233.6	1228.8	1248.0	1243.2
65°	927.6	932.4	922.8	922.8	927.6	961.1	994.5	999.3	1004.1	1008.9	1004.1
67.5°	745.9	750.7	741.1	750.7	750.7	755.5	803.3	822.4	827.2	827.2	822.4
70°	573.8	592.9	602.5	602.5	602.5	602.5	635.9	659.8	655.1	626.4	597.7
72.5°	286.9	349.0	482.9	487.7	482.9	478.1	497.3	521.2	516.4	363.4	272.5
75°	191.3	205.6	377.7	396.9	392.1	373.0	392.1	420.8	411.2	234.3	224.7
77.5°	110.0	119.5	253.4	291.7	315.6	272.5	310.8	339.5	325.1	191.3	186.5
80°	86.1	81.3	181.7	224.7	215.2	172.1	253.4	272.5	248.6	143.4	129.1
82.5°	52.6	52.6	119.5	172.1	157.8	100.4	176.9	210.4	186.5	105.2	95.6
85°	28.7	33.5	57.4	86.1	90.8	66.9	95.6	114.8	114.8	66.9	66.9
87.5°	14.3	14.3	19.1	19.1	23.9	28.7	28.7	33.5	23.9	19.1	19.1
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)