

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: P524176

Luminaire Tested: **IFLD-L-SA8C-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524176
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

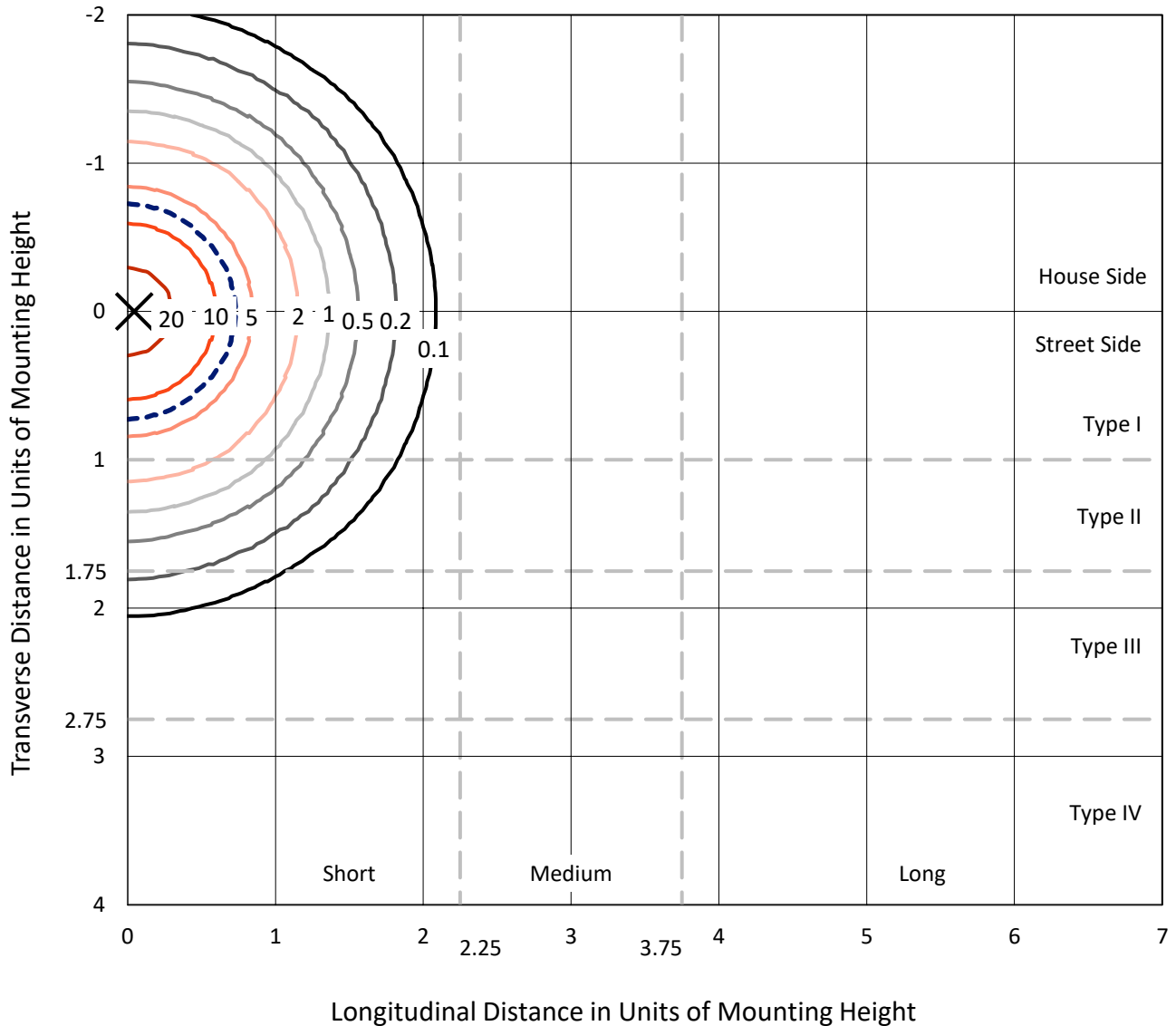
Lumens per Lamp: N/A
Luminaire Lumens: 34334.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

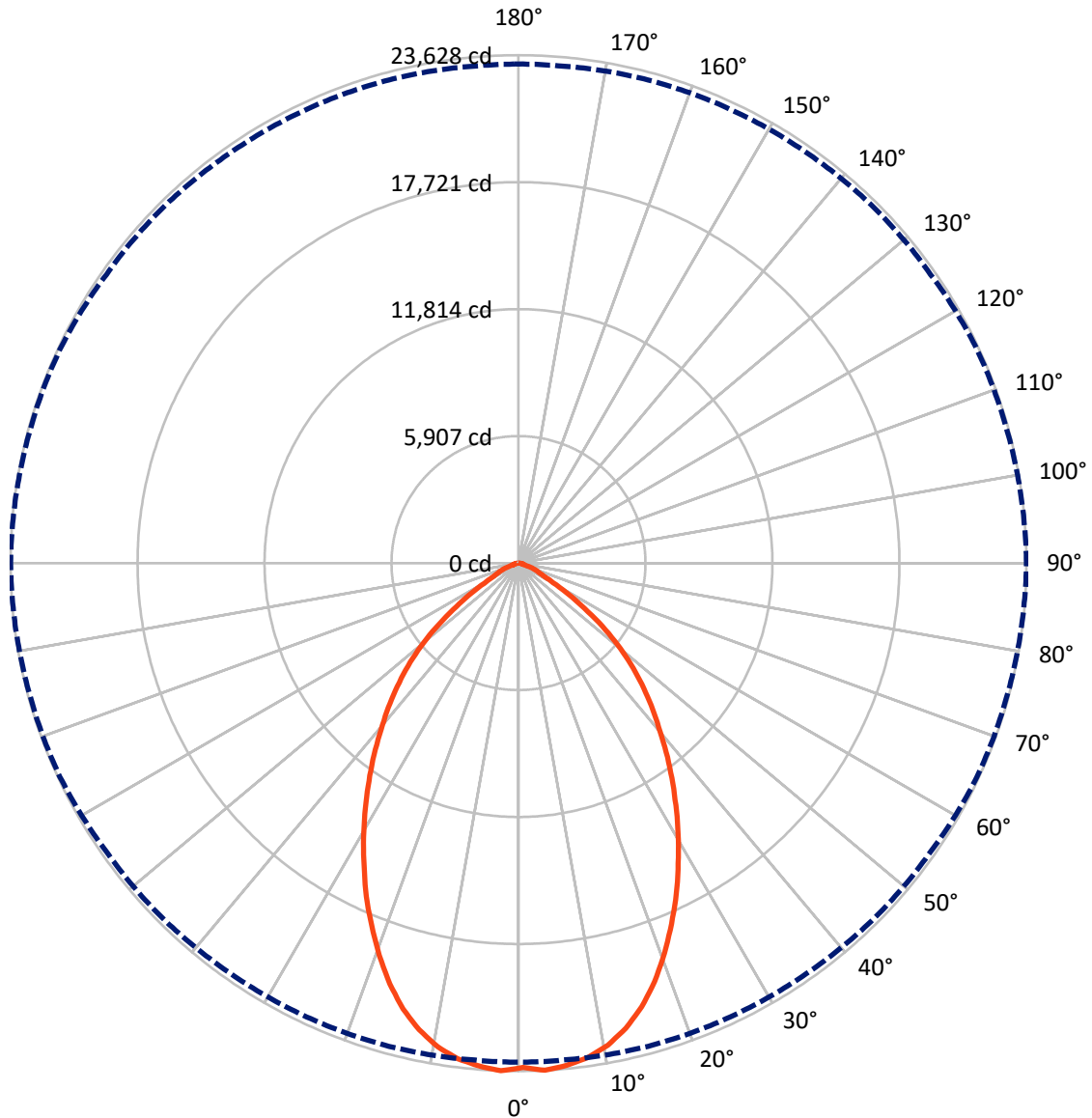
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 26.1 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	17167.5	0.0	17167.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17167.5	0.0	17167.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34334.9	0.0	34334.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2203.2	6.4
10°-20°	5920.0	17.2
20°-30°	7659.3	22.3
30°-40°	7553.9	22.0
40°-50°	6111.4	17.8
50°-60°	3327.5	9.7
60°-70°	1054.3	3.1
70°-80°	407.9	1.2
80°-90°	97.5	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°	34334.9	100.0
0°-180°	34334.9	100.0

Coefficient of Utilization



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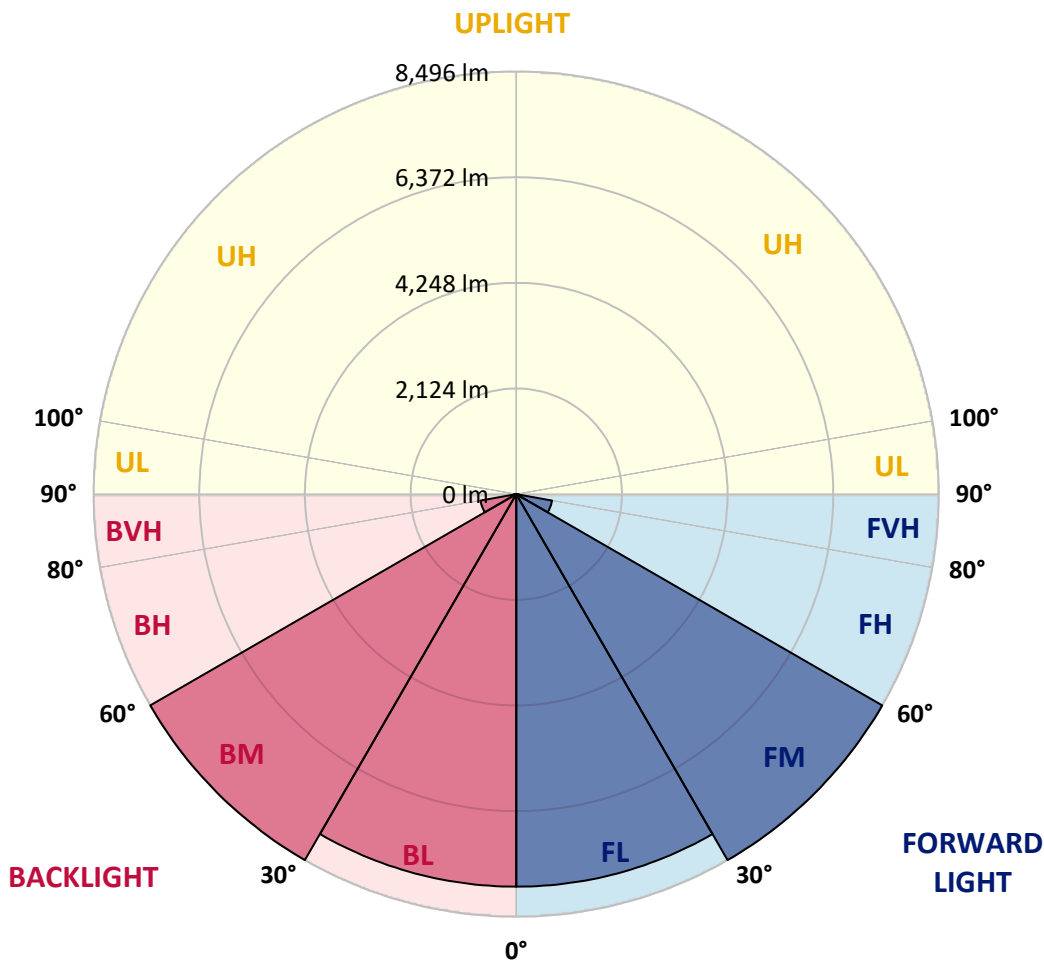
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7891.2	23.0			
FM	(30°-60°)	8496.4	24.7			
FH	(60°-80°)	731.1	2.1			G1/1800
FVH	(80°-90°)	48.8	0.1			G1/100
BL	(0°-30°)	7891.2	23.0	B5		
BM	(30°-60°)	8496.4	24.7	B4/8500		
BH	(60°-80°)	731.1	2.1	B2/1000		G1/1800
BVH	(80°-90°)	48.8	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°	90°
0°	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8	23468.8
2.5°	23215.8	23210.9	23270.4	23295.2	23325.0	23384.5	23404.3	23533.3	23548.2	23597.8	23627.6
5°	23176.2	23156.3	23215.8	23225.8	23260.5	23270.4	23300.2	23389.5	23379.5	23454.0	23468.8
7.5°	22962.8	22938.0	22987.7	22997.6	23047.2	23032.3	23081.9	23146.4	23146.4	23201.0	23225.8
10°	22486.6	22481.7	22531.3	22536.2	22605.7	22590.8	22670.2	22685.1	22724.7	22764.4	22809.1
12.5°	21916.2	21851.7	21916.2	21891.3	21985.6	21931.0	22040.2	22074.9	22094.7	22164.2	22198.9
15°	21182.0	21102.6	21147.3	21122.4	21182.0	21112.5	21226.6	21296.1	21320.9	21390.3	21425.0
17.5°	20199.8	20135.3	20145.2	20110.5	20150.2	20095.6	20204.7	20313.9	20348.6	20423.0	20472.6
20°	18964.6	18964.6	18969.5	18939.8	18974.5	18919.9	18989.4	19158.0	19192.8	19292.0	19376.3
22.5°	17759.1	17759.1	17774.0	17734.3	17744.2	17719.4	17793.9	17957.6	18012.1	18116.3	18220.5
25°	16603.3	16583.5	16593.4	16558.7	16519.0	16528.9	16618.2	16722.4	16841.4	16975.3	17054.7
27.5°	15502.0	15526.8	15467.3	15442.5	15412.7	15358.2	15462.3	15591.3	15675.7	15784.8	15824.5
30°	14326.4	14376.0	14331.3	14311.5	14237.1	14167.6	14276.8	14405.7	14490.1	14594.2	14638.9
32.5°	13279.7	13264.8	13225.1	13180.4	13106.0	13051.5	13096.1	13244.9	13309.4	13418.6	13433.4
35°	12158.6	12148.6	12123.8	12034.5	12009.7	11945.2	11984.9	12113.9	12163.5	12228.0	12277.6
37.5°	11062.2	11027.5	11017.6	10982.9	10938.2	10923.4	10923.4	10992.8	11042.4	11106.9	11156.5
40°	9975.9	9985.8	9956.0	9926.3	9911.4	9891.5	9896.5	9936.2	9975.9	10005.6	10035.4
42.5°	8993.7	8939.1	8919.2	8889.5	8904.4	8929.2	8874.6	8934.1	8983.7	8983.7	9048.2
45°	7867.6	7892.4	7902.3	7951.9	7951.9	7927.1	7907.3	7937.0	7986.6	7981.7	8046.2
47.5°	6885.4	6855.6	6880.4	6954.8	7019.3	7029.2	6969.7	6984.6	6999.5	6974.7	7034.2
50°	5808.9	5818.8	5813.9	5928.0	6057.0	6012.3	5967.7	5982.5	5977.6	5977.6	5987.5
52.5°	4638.2	4663.0	4633.2	4796.9	4935.8	4901.1	4871.4	4871.4	4896.2	4891.2	4886.2
55°	3571.7	3561.7	3497.3	3576.6	3700.6	3705.6	3661.0	3680.8	3705.6	3730.4	3725.4
57.5°	2658.9	2629.1	2539.9	2544.8	2683.7	2718.4	2678.8	2673.8	2703.6	2713.5	2768.0
60°	1790.8	1785.8	1706.5	1701.5	1756.1	1850.3	1805.7	1805.7	1815.6	1830.5	1845.4
62.5°	1225.3	1235.2	1205.4	1200.5	1210.4	1289.8	1284.8	1279.8	1274.9	1294.7	1289.8
65°	962.4	967.3	957.4	957.4	962.4	997.1	1031.8	1036.8	1041.7	1046.7	1041.7
67.5°	773.9	778.8	768.9	778.8	778.8	783.8	833.4	853.2	858.2	858.2	853.2
70°	595.3	615.1	625.0	625.0	625.0	625.0	659.8	684.6	679.6	649.8	620.1
72.5°	297.6	362.1	501.0	506.0	501.0	496.1	515.9	540.7	535.8	377.0	282.8
75°	198.4	213.3	391.9	411.7	406.8	386.9	406.8	436.5	426.6	243.1	233.2
77.5°	114.1	124.0	262.9	302.6	327.4	282.8	322.4	352.2	337.3	198.4	193.5
80°	89.3	84.3	188.5	233.2	223.2	178.6	262.9	282.8	258.0	148.8	133.9
82.5°	54.6	54.6	124.0	178.6	163.7	104.2	183.5	218.3	193.5	109.1	99.2
85°	29.8	34.7	59.5	89.3	94.3	69.4	99.2	119.1	119.1	69.4	69.4
87.5°	14.9	14.9	19.8	19.8	24.8	29.8	29.8	34.7	24.8	19.8	19.8
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)