

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: P636148

Luminaire Tested: **IFLD-L-SA7A-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636148
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18963.7 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

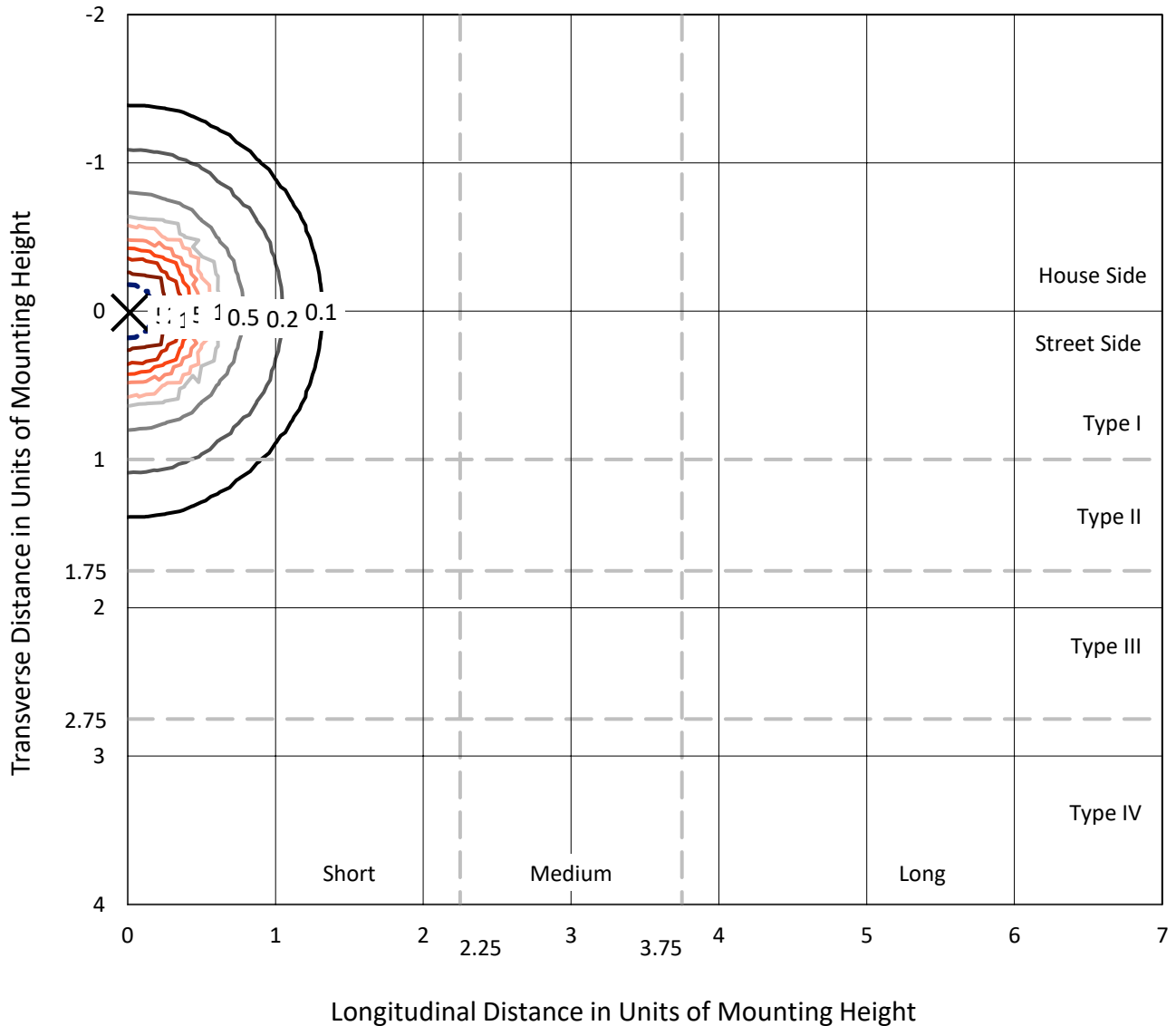
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

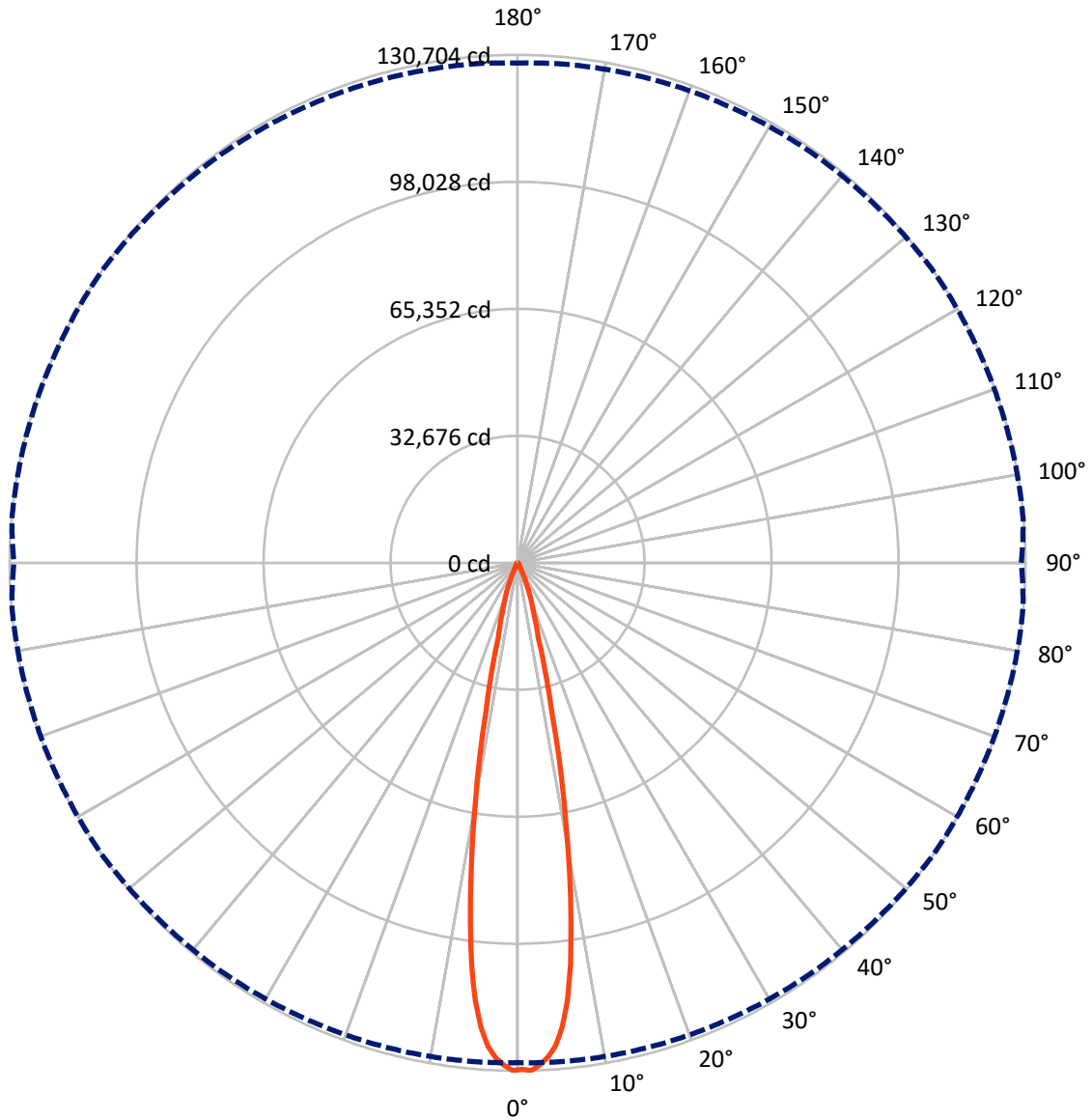
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 325.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9481.9	0.0	9481.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9481.9	0.0	9481.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18963.7	0.0	18963.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9635.0	50.8
10°-20°	6828.4	36.0
20°-30°	1600.0	8.4
30°-40°	334.4	1.8
40°-50°	215.7	1.1
50°-60°	159.8	0.8
60°-70°	108.6	0.6
70°-80°	58.0	0.3
80°-90°	23.8	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°	18963.7	100.0
0°-180°	18963.7	100.0

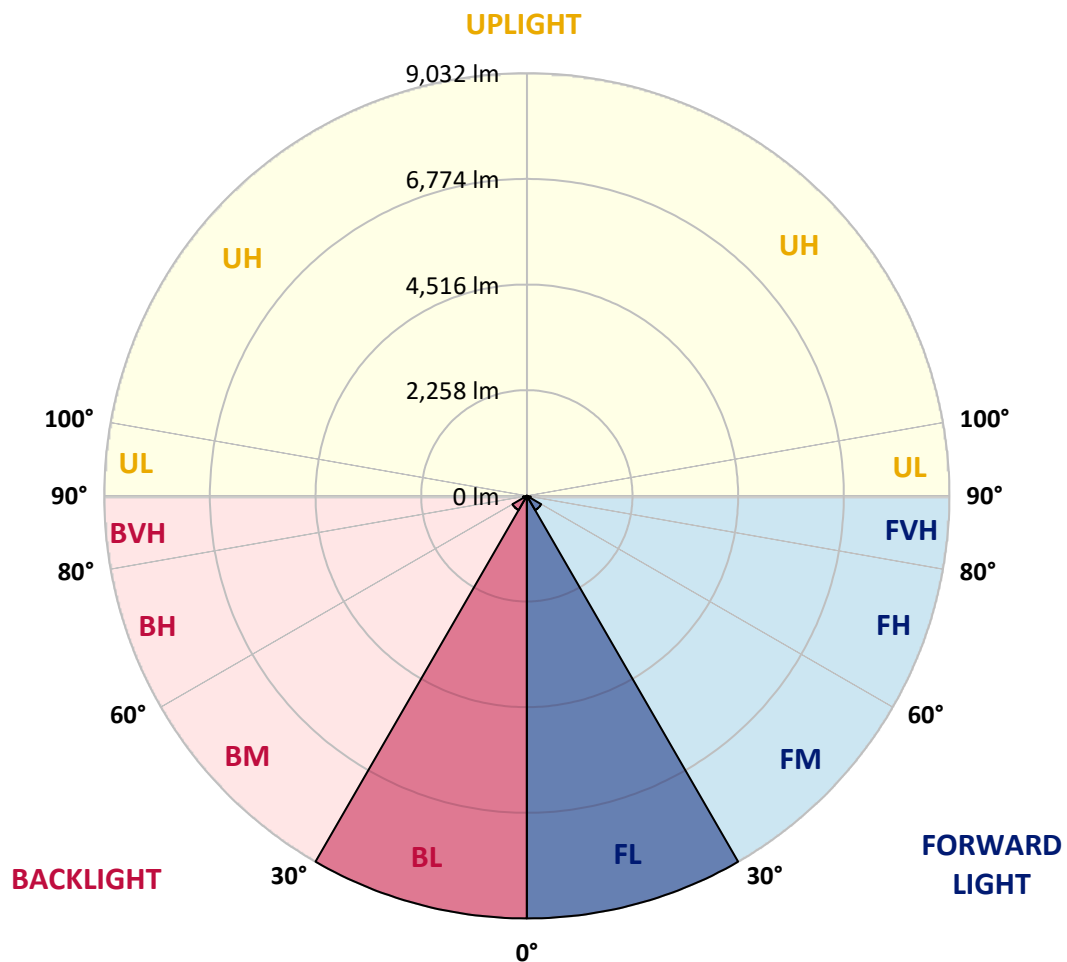


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9031.7	47.6			
FM (30°-60°)	355.0	1.9			
FH (60°-80°)	83.3	0.4			G0/660
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	9031.7	47.6	B5		
BM (30°-60°)	355.0	1.9	B1/1000		
BH (60°-80°)	83.3	0.4	B0/110		G0/660
BVH (80°-90°)	11.9	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°	130368.4	130368.4	130368.4	130368.4	130368.4	130368.4	130368.4	130368.4	130368.4	130368.4
1°	128614.4	128852.6	129144.3	129409.3	129808.4	130133.7	130703.8	130583.1	130566.3	130589.8
2°	126122.6	126421.1	126870.5	127135.5	128165.0	128587.6	129449.5	129704.4	129499.8	129731.2
3°	122390.0	122634.8	123339.1	123858.9	125193.7	126333.9	127487.6	127869.9	127631.8	127739.1
4°	117946.3	118197.8	119049.7	120109.5	122037.8	123302.2	124683.9	125026.0	124247.9	124301.6
5°	112657.5	112774.9	113817.9	114783.8	117091.1	118623.8	119935.1	120042.4	119331.4	119059.7
6°	106708.1	106496.8	107455.9	107865.1	110732.5	112295.3	113254.5	113130.4	112590.5	112359.0
7°	99638.5	99350.0	100124.7	99903.4	102442.2	103334.2	104256.5	103833.9	103404.7	103937.9
8°	91458.8	91297.8	90798.1	91703.6	92206.7	93004.8	93001.5	92756.7	92743.3	93632.0
9°	79566.6	81052.2	80612.9	81562.0	81434.6	81397.7	81152.9	80995.2	80324.5	81347.4
10°	66507.2	67479.8	68221.0	69636.2	69361.2	69750.3	68388.7	68620.1	68174.0	69019.2
12.5°	34425.7	35519.0	36159.6	37239.5	38426.7	39640.7	39248.4	38842.6	38235.5	38980.1
15°	16946.3	17378.9	17583.5	18680.1	19525.2	19830.4	19877.4	19518.5	19364.3	19525.2
17.5°	10399.8	10550.7	11144.3	12405.3	13136.4	13317.5	13200.2	12807.8	12368.4	12184.0
20°	7529.1	7572.7	7797.4	8042.2	9018.1	9527.9	9340.1	8954.4	8548.6	8357.4
22.5°	4916.5	4960.1	5033.9	5168.1	5429.6	6060.1	5855.6	5594.0	5319.0	5262.0
25°	2783.6	2783.6	2860.7	2998.2	3192.7	3239.7	3279.9	3001.6	2874.1	2817.1
27.5°	1552.8	1562.8	1579.6	1633.3	1730.5	1720.4	1676.9	1603.1	1515.9	1425.3
30°	858.5	868.6	878.7	892.1	908.9	878.7	851.8	838.4	801.5	791.5
32.5°	643.9	643.9	650.6	647.3	630.5	593.6	576.8	597.0	593.6	576.8
35°	529.9	529.9	536.6	550.0	516.5	489.6	476.2	503.1	503.1	493.0
37.5°	432.6	436.0	439.3	456.1	446.0	415.9	412.5	419.2	422.6	419.2
40°	379.0	375.6	375.6	379.0	372.3	365.6	358.8	355.5	358.8	355.5
42.5°	328.7	325.3	332.0	325.3	311.9	315.2	315.2	305.2	308.5	301.8
45°	288.4	285.1	288.4	281.7	271.6	275.0	275.0	261.6	261.6	258.2
47.5°	254.9	254.9	254.9	258.2	241.5	238.1	241.5	238.1	228.1	224.7
50°	221.3	224.7	228.1	234.8	218.0	211.3	211.3	211.3	204.6	201.2
52.5°	204.6	207.9	207.9	207.9	197.9	191.2	191.2	187.8	184.5	181.1
55°	197.9	197.9	197.9	184.5	181.1	177.7	167.7	164.3	161.0	161.0
57.5°	187.8	187.8	184.5	174.4	164.3	164.3	150.9	147.6	144.2	144.2
60°	167.7	167.7	167.7	164.3	150.9	147.6	134.1	127.4	124.1	124.1
62.5°	154.3	154.3	154.3	140.9	137.5	127.4	117.4	107.3	104.0	97.3
65°	140.9	140.9	140.9	127.4	120.7	110.7	97.3	87.2	80.5	70.4
67.5°	130.8	130.8	127.4	117.4	107.3	93.9	80.5	70.4	57.0	50.3
70°	114.0	114.0	110.7	104.0	93.9	83.8	67.1	53.7	43.6	33.5
72.5°	97.3	97.3	93.9	87.2	80.5	70.4	57.0	47.0	30.2	23.5
75°	80.5	80.5	77.1	70.4	67.1	60.4	50.3	36.9	23.5	10.1
77.5°	67.1	67.1	63.7	60.4	57.0	50.3	43.6	30.2	16.8	6.7
80°	50.3	53.7	53.7	53.7	47.0	43.6	40.2	30.2	13.4	3.4
82.5°	36.9	40.2	40.2	40.2	36.9	33.5	36.9	26.8	13.4	3.4
85°	26.8	26.8	30.2	30.2	30.2	30.2	40.2	30.2	10.1	3.4
87.5°	13.4	13.4	13.4	13.4	13.4	16.8	20.1	16.8	6.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
130368.4
129654.1
128852.6
126934.2
123503.4
118493.0
111839.2
103773.6
91167.0
79439.1
66852.7
36964.5
18774.0
11925.8
8209.9
5144.6
2770.2
1428.7
791.5
566.8
489.6
419.2
358.8
305.2
258.2
224.7
197.9
177.7
157.6
144.2
120.7
90.5
70.4
47.0
33.5
20.1
10.1
3.4
3.4
3.4
3.4
0.0
0.0

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