

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: P525334

Luminaire Tested: **IFLD-M-SA4A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525334
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

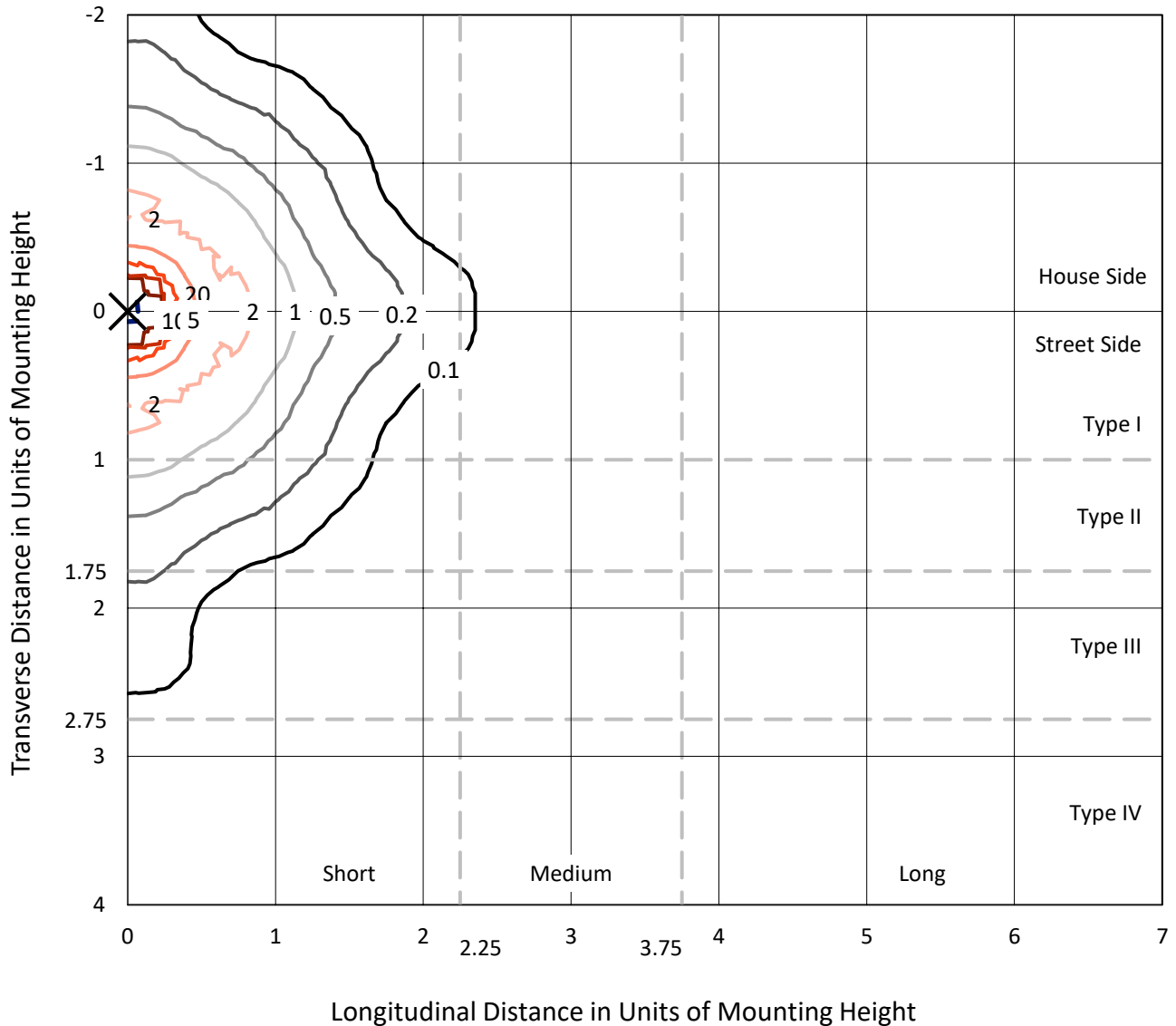
Lumens per Lamp: N/A
Luminaire Lumens: 7076.2 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 128.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

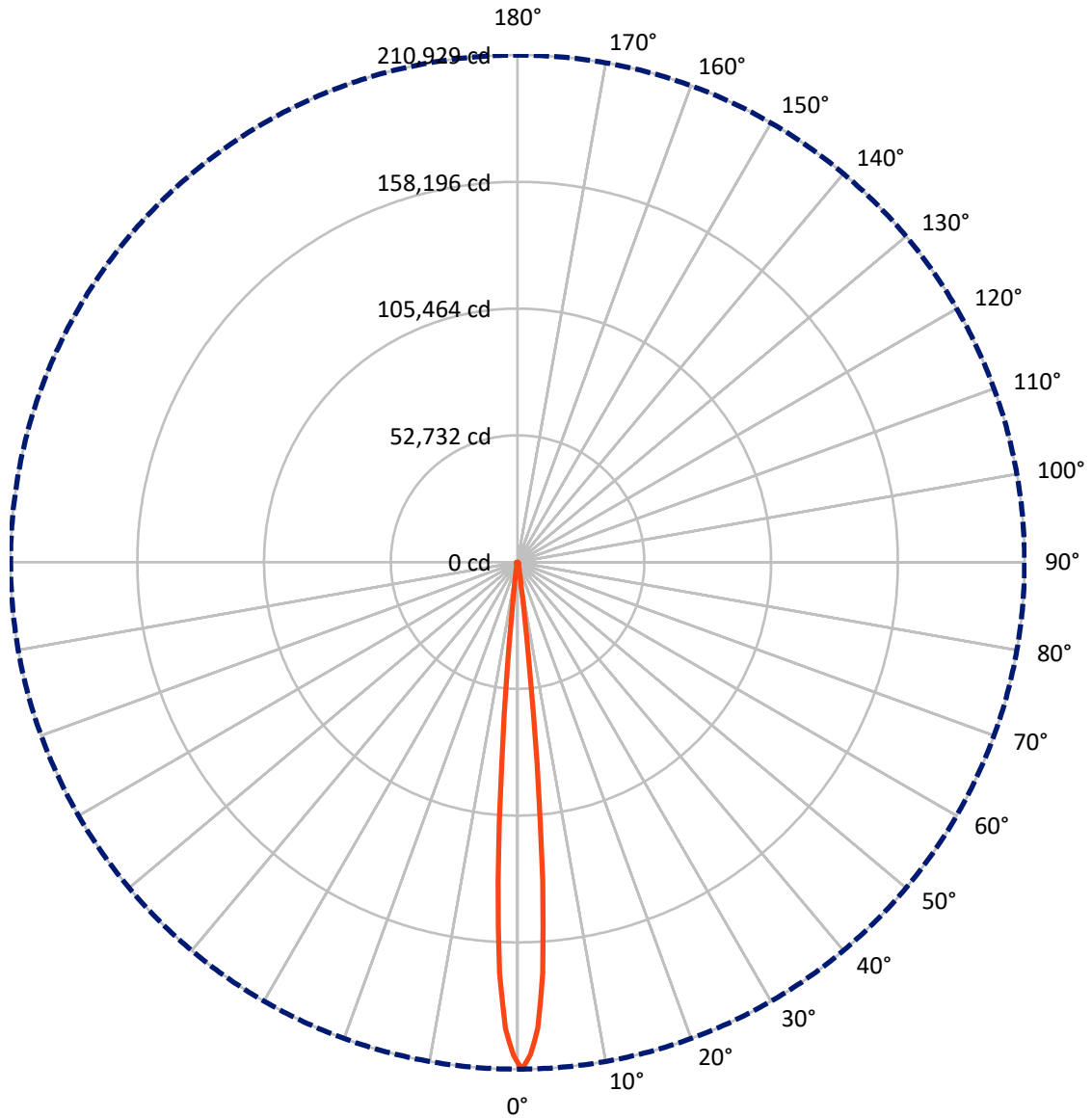
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2109.3 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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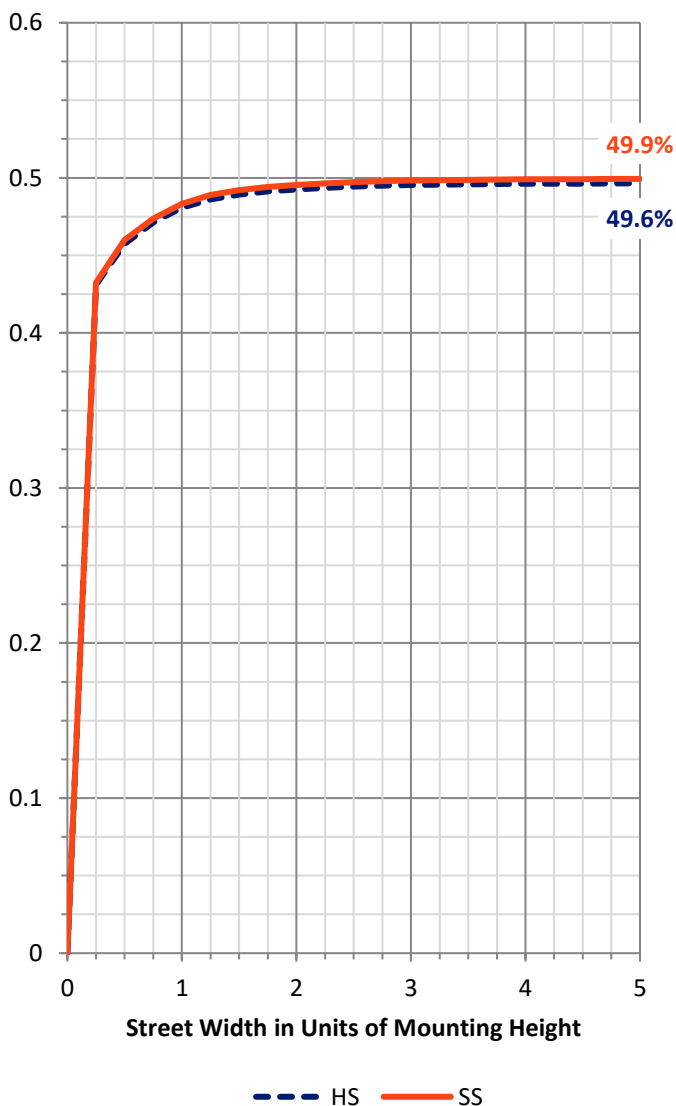
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3538.1	0.0	3538.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3538.1	0.0	3538.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7076.2	0.0	7076.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5434.5	76.8
10°-20°	530.1	7.5
20°-30°	283.2	4.0
30°-40°	233.6	3.3
40°-50°	260.1	3.7
50°-60°	174.9	2.5
60°-70°	111.6	1.6
70°-80°	44.1	0.6
80°-90°	4.3	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°	7076.2	100.0
0°-180°	7076.2	100.0

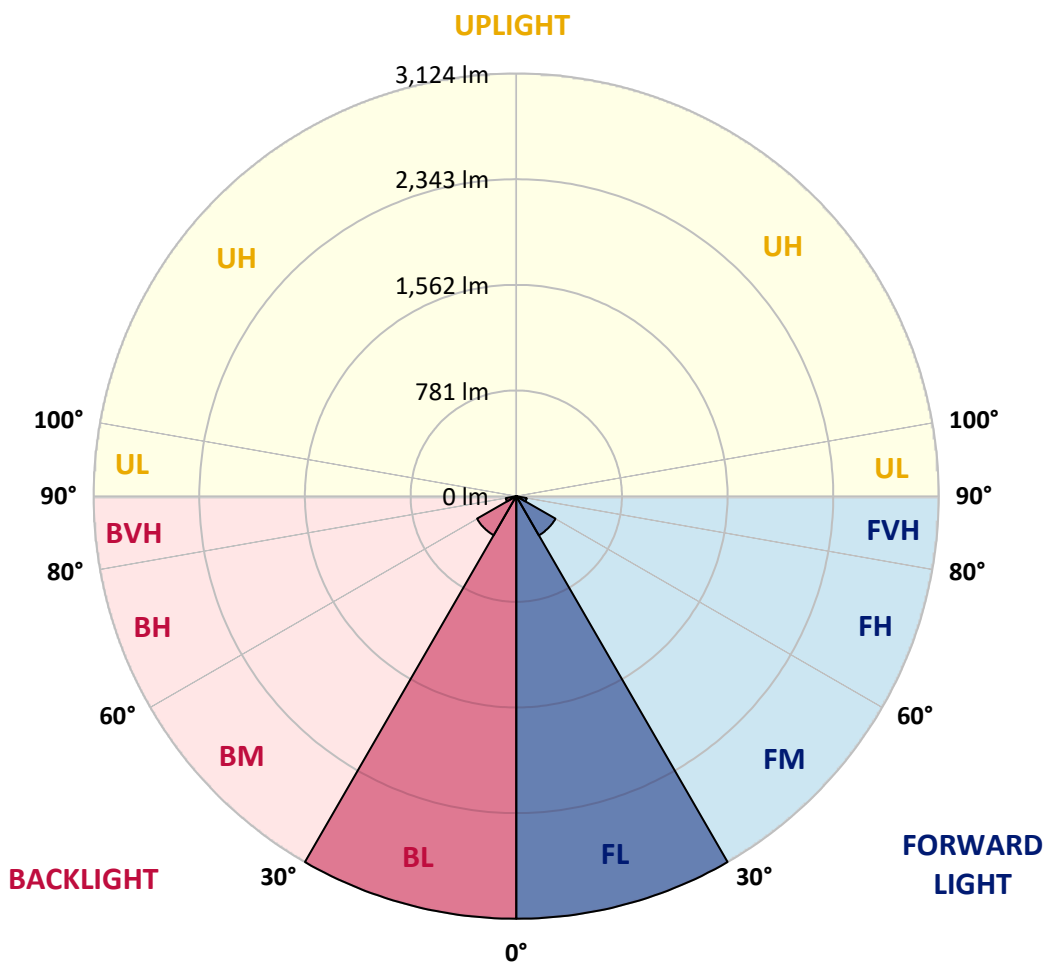


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3123.9	44.1			
FM (30°-60°)	334.2	4.7			
FH (60°-80°)	77.8	1.1			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	3123.9	44.1	B4/5000		
BM (30°-60°)	334.2	4.7	B1/1000		
BH (60°-80°)	77.8	1.1	B0/110		G0/660
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	210928.5	210928.5	210928.5	210928.5	210928.5	210928.5	210928.5	210928.5	210928.5	210928.5
1°	205066.2	205422.9	205487.2	205062.6	203979.8	204235.3	204202.3	204259.2	204152.6	203476.1
2°	193963.0	194490.6	193935.4	192744.2	190277.2	189689.0	187723.9	185530.8	183196.2	180856.0
3°	171298.8	172409.1	171616.8	172888.9	167885.1	167379.6	163247.1	157798.4	152276.2	147801.8
4°	132814.3	134865.8	135137.9	139336.5	135226.1	136511.1	131790.4	124220.3	115959.0	109639.0
5°	84658.6	87518.9	89132.9	93070.5	94964.0	99894.3	97594.6	89996.9	80450.7	73180.3
6°	42775.1	44332.1	48668.6	52997.8	57832.5	64374.9	65261.0	58591.7	50994.0	44015.9
7°	19939.9	20583.3	23642.2	24565.0	30092.7	37190.4	38183.0	34526.7	30519.2	25111.0
8°	10303.6	10553.6	11671.3	12357.0	15581.3	19664.1	20360.8	18059.3	16419.6	13698.9
9°	6345.8	6456.1	6875.2	7029.6	8235.5	10051.7	10298.1	9334.8	8889.9	7950.6
10°	4400.9	4459.7	4656.4	4696.8	5099.4	5696.8	5718.9	5402.7	5410.1	5174.8
12.5°	2345.7	2364.0	2419.2	2424.7	2501.9	2564.4	2549.7	2551.5	2582.8	2551.5
15°	1500.0	1509.2	1542.3	1549.7	1590.1	1612.2	1601.1	1599.3	1610.3	1590.1
17.5°	1069.9	1075.4	1099.3	1119.5	1145.3	1152.6	1148.9	1145.3	1145.3	1126.9
20°	834.6	841.9	858.5	878.7	891.6	904.4	906.3	904.4	898.9	889.7
22.5°	709.6	713.3	718.8	728.0	737.2	742.7	746.3	748.2	746.3	742.7
25°	617.7	621.3	632.4	637.9	637.9	639.7	647.1	650.8	652.6	645.2
27.5°	455.9	465.1	481.6	490.8	490.8	494.5	500.0	507.4	514.7	501.9
30°	353.0	360.3	378.7	378.7	376.8	380.5	386.0	397.1	408.1	393.4
32.5°	318.0	318.0	321.7	323.5	323.5	329.1	332.7	341.9	351.1	347.4
35°	332.7	323.5	312.5	312.5	316.2	327.2	329.1	338.2	347.4	360.3
37.5°	483.5	455.9	415.5	408.1	408.1	421.0	415.5	421.0	437.5	485.3
40°	439.4	417.3	393.4	360.3	360.3	378.7	365.8	373.2	411.8	441.2
42.5°	391.6	391.6	365.8	334.6	334.6	343.8	340.1	343.8	387.9	411.8
45°	362.1	362.1	354.8	305.2	312.5	318.0	318.0	318.0	376.8	384.2
47.5°	345.6	345.6	327.2	281.3	290.4	292.3	296.0	292.3	338.2	364.0
50°	308.8	312.5	281.3	248.2	259.2	259.2	264.7	257.4	292.3	334.6
52.5°	266.6	270.2	222.4	196.7	209.6	207.7	215.1	204.0	231.6	290.4
55°	237.1	235.3	183.8	159.9	174.6	172.8	176.5	163.6	187.5	250.0
57.5°	205.9	209.6	150.7	130.5	147.1	143.4	148.9	134.2	154.4	222.4
60°	182.0	187.5	128.7	110.3	126.8	123.2	128.7	112.1	132.4	200.4
62.5°	174.6	174.6	114.0	93.8	110.3	106.6	110.3	93.8	117.7	183.8
65°	207.7	196.7	102.9	77.2	93.8	90.1	93.8	77.2	102.9	176.5
67.5°	275.7	262.9	97.4	60.7	75.4	69.9	75.4	62.5	90.1	165.4
70°	143.4	152.6	97.4	47.8	57.0	57.0	55.1	47.8	75.4	121.3
72.5°	82.7	84.6	75.4	36.8	44.1	47.8	42.3	36.8	55.1	90.1
75°	46.0	51.5	47.8	27.6	33.1	36.8	31.3	27.6	38.6	64.3
77.5°	27.6	31.3	27.6	18.4	22.1	20.2	22.1	18.4	25.7	42.3
80°	14.7	14.7	14.7	11.0	11.0	12.9	12.9	11.0	14.7	22.1
82.5°	5.5	5.5	5.5	3.7	5.5	5.5	5.5	7.4	7.4	9.2
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
210928.5
204143.4
182203.5
149498.6
111104.1
74112.3
44538.0
25765.4
14068.4
8154.6
5283.2
2586.5
1604.8
1132.4
891.6
744.5
645.2
500.0
389.7
347.4
367.7
509.2
468.8
413.6
382.4
358.5
330.9
283.1
246.3
216.9
194.9
182.0
176.5
163.6
119.5
88.2
57.0
31.3
18.4
9.2
1.8
1.8
0.0

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