

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: P525309

Luminaire Tested: **IFLD-S-SA2A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525309
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

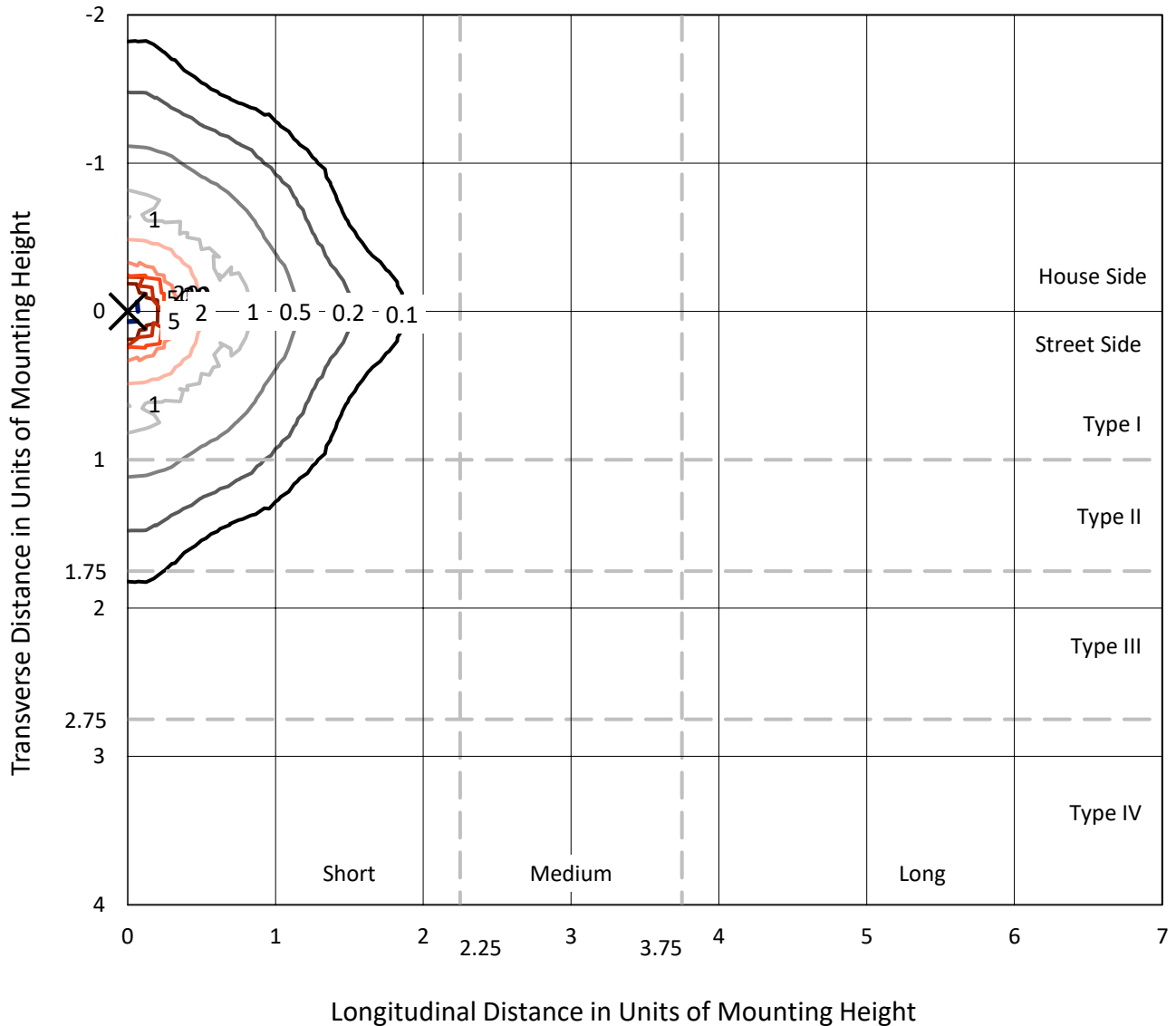
Lumens per Lamp: N/A
Luminaire Lumens: 3537.5 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8
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

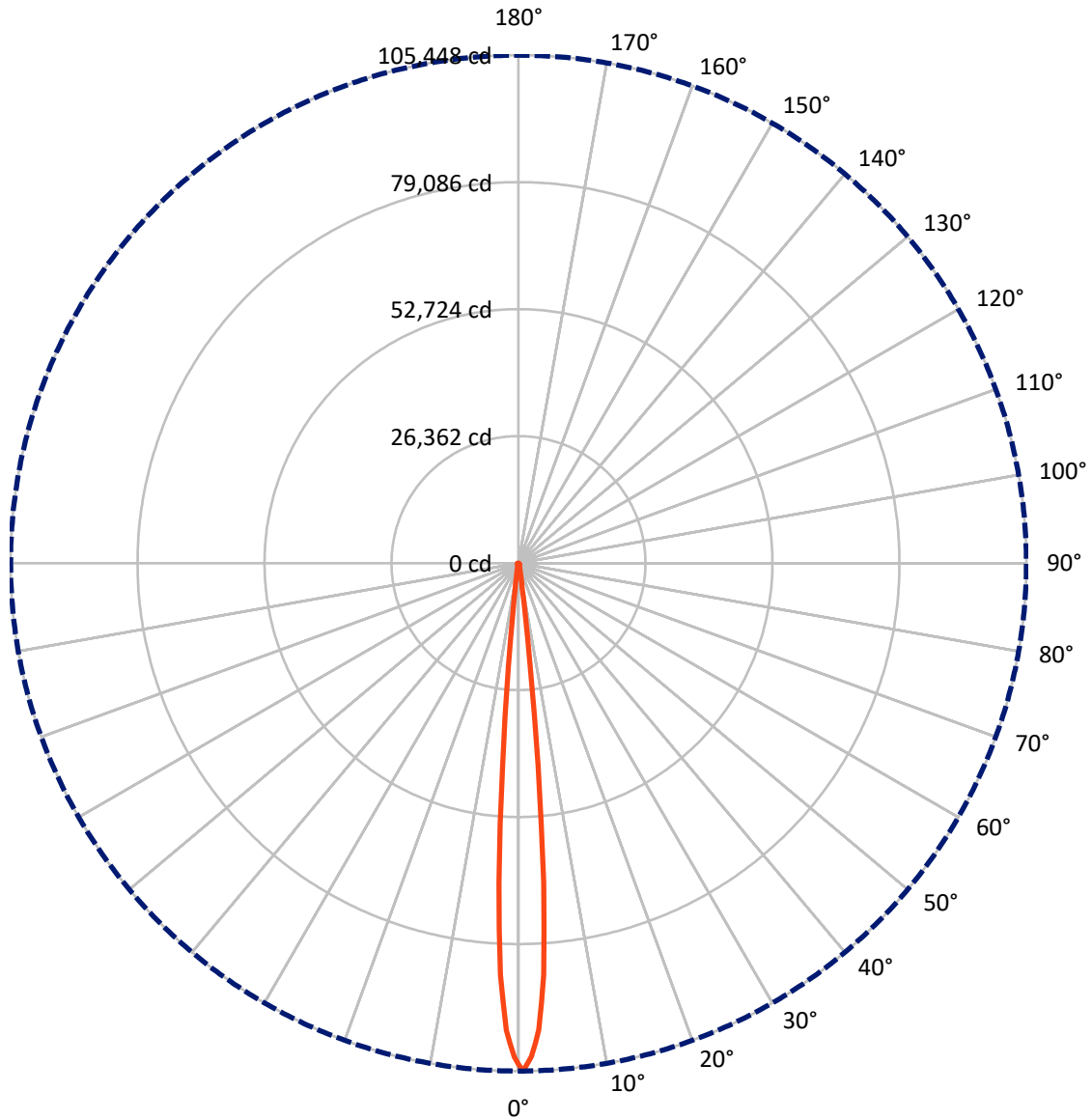
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1054.5 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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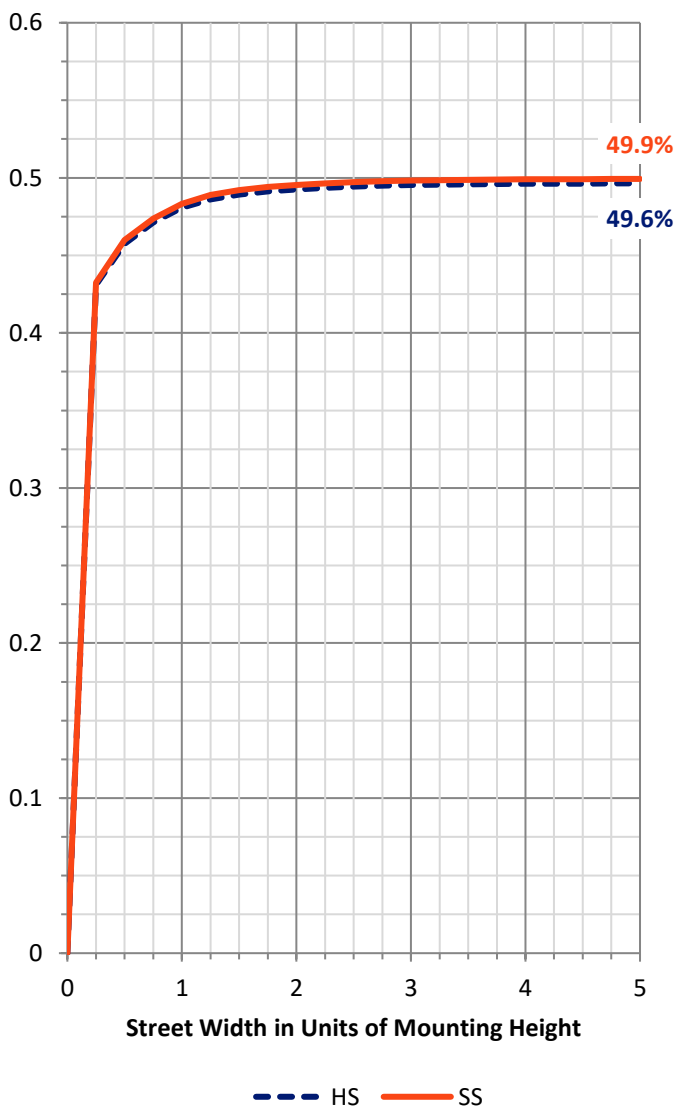
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1768.8	0.0	1768.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1768.8	0.0	1768.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3537.5	0.0	3537.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2716.8	76.8
10°-20°	265.0	7.5
20°-30°	141.6	4.0
30°-40°	116.8	3.3
40°-50°	130.0	3.7
50°-60°	87.4	2.5
60°-70°	55.8	1.6
70°-80°	22.0	0.6
80°-90°	2.2	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°	3537.5	100.0
0°-180°	3537.5	100.0

Coefficient of Utilization



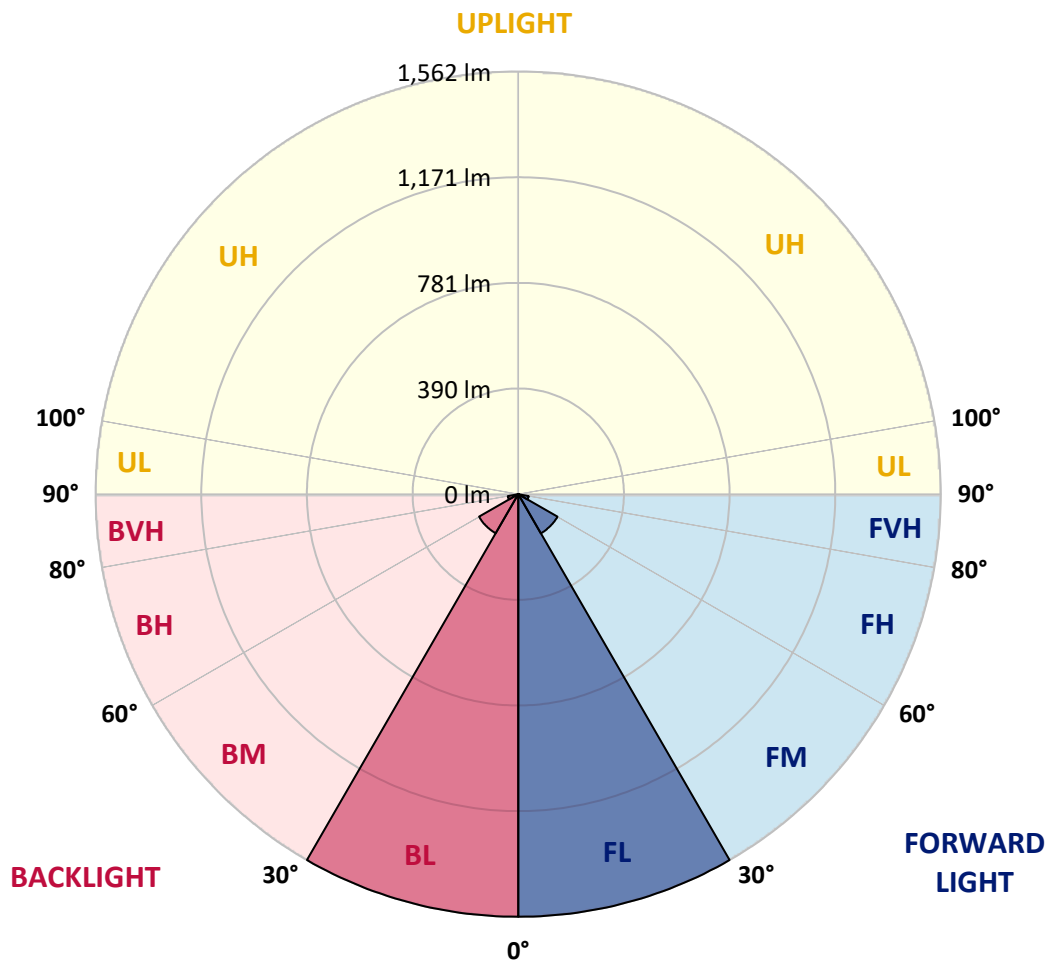
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1561.7	44.1			
FM (30°-60°)	167.1	4.7			
FH (60°-80°)	38.9	1.1			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	1561.7	44.1	B3/2500		
BM (30°-60°)	167.1	4.7	B0/220		
BH (60°-80°)	38.9	1.1	B0/110		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	105447.5	105447.5	105447.5	105447.5	105447.5	105447.5	105447.5	105447.5	105447.5	105447.5
1°	102516.9	102695.1	102727.3	102515.0	101973.7	102101.5	102084.9	102113.4	102060.1	101721.9
2°	96966.1	97229.9	96952.3	96356.8	95123.5	94829.5	93847.0	92750.7	91583.6	90413.7
3°	85635.8	86190.9	85794.8	86430.7	83929.2	83676.5	81610.6	78886.7	76126.0	73889.2
4°	66396.6	67422.2	67558.2	69657.2	67602.3	68244.7	65884.7	62100.3	57970.3	54810.8
5°	42322.6	43752.5	44559.4	46527.9	47474.5	49939.2	48789.5	44991.3	40219.0	36584.3
6°	21384.1	22162.5	24330.4	26494.7	28911.6	32182.4	32625.3	29291.2	25493.0	22004.5
7°	9968.4	10290.0	11819.2	12280.6	15044.0	18592.2	19088.5	17260.6	15257.2	12553.5
8°	5151.0	5276.0	5834.7	6177.5	7789.4	9830.5	10178.8	9028.2	8208.5	6848.4
9°	3172.4	3227.5	3437.0	3514.2	4117.1	5025.1	5148.2	4666.7	4444.3	3974.7
10°	2200.1	2229.5	2327.8	2348.0	2549.3	2848.0	2859.0	2700.9	2704.6	2587.0
12.5°	1172.6	1181.8	1209.4	1212.2	1250.8	1282.0	1274.6	1275.6	1291.2	1275.6
15°	749.9	754.5	771.0	774.7	794.9	806.0	800.4	799.5	805.0	794.9
17.5°	534.9	537.6	549.6	559.7	572.5	576.2	574.4	572.5	572.5	563.3
20°	417.2	420.9	429.2	439.3	445.7	452.1	453.1	452.1	449.4	444.8
22.5°	354.7	356.6	359.3	363.9	368.5	371.3	373.1	374.0	373.1	371.3
25°	308.8	310.6	316.1	318.9	318.9	319.8	323.5	325.3	326.2	322.6
27.5°	227.9	232.5	240.8	245.4	245.4	247.2	250.0	253.6	257.3	250.9
30°	176.4	180.1	189.3	189.3	188.4	190.2	193.0	198.5	204.0	196.7
32.5°	159.0	159.0	160.8	161.7	161.7	164.5	166.3	170.9	175.5	173.7
35°	166.3	161.7	156.2	156.2	158.1	163.6	164.5	169.1	173.7	180.1
37.5°	241.7	227.9	207.7	204.0	204.0	210.5	207.7	210.5	218.7	242.6
40°	219.6	208.6	196.7	180.1	180.1	189.3	182.9	186.6	205.9	220.6
42.5°	195.7	195.7	182.9	167.3	167.3	171.9	170.0	171.9	193.9	205.9
45°	181.0	181.0	177.4	152.6	156.2	159.0	159.0	159.0	188.4	192.1
47.5°	172.8	172.8	163.6	140.6	145.2	146.1	148.0	146.1	169.1	182.0
50°	154.4	156.2	140.6	124.1	129.6	129.6	132.3	128.7	146.1	167.3
52.5°	133.3	135.1	111.2	98.3	104.8	103.8	107.5	102.0	115.8	145.2
55°	118.6	117.6	91.9	80.0	87.3	86.4	88.2	81.8	93.7	125.0
57.5°	102.9	104.8	75.4	65.2	73.5	71.7	74.4	67.1	77.2	111.2
60°	91.0	93.7	64.3	55.1	63.4	61.6	64.3	56.1	66.2	100.2
62.5°	87.3	87.3	57.0	46.9	55.1	53.3	55.1	46.9	58.8	91.9
65°	103.8	98.3	51.5	38.6	46.9	45.0	46.9	38.6	51.5	88.2
67.5°	137.8	131.4	48.7	30.3	37.7	34.9	37.7	31.2	45.0	82.7
70°	71.7	76.3	48.7	23.9	28.5	28.5	27.6	23.9	37.7	60.7
72.5°	41.4	42.3	37.7	18.4	22.1	23.9	21.1	18.4	27.6	45.0
75°	23.0	25.7	23.9	13.8	16.5	18.4	15.6	13.8	19.3	32.2
77.5°	13.8	15.6	13.8	9.2	11.0	10.1	11.0	9.2	12.9	21.1
80°	7.4	7.4	7.4	5.5	5.5	6.4	6.4	5.5	7.4	11.0
82.5°	2.8	2.8	2.8	1.8	2.8	2.8	2.8	3.7	3.7	4.6
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
105447.5
102055.5
91087.3
74737.4
55543.3
37050.3
22265.5
12880.7
7033.1
4076.7
2641.2
1293.0
802.3
566.1
445.7
372.2
322.6
250.0
194.8
173.7
183.8
254.6
234.3
206.8
191.2
179.2
165.4
141.5
123.1
108.4
97.4
91.0
88.2
81.8
59.7
44.1
28.5
15.6
9.2
4.6
0.9
0.9
0.0

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