

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: P525315

Luminaire Tested: **IFLD-S-SA3B-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525315
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

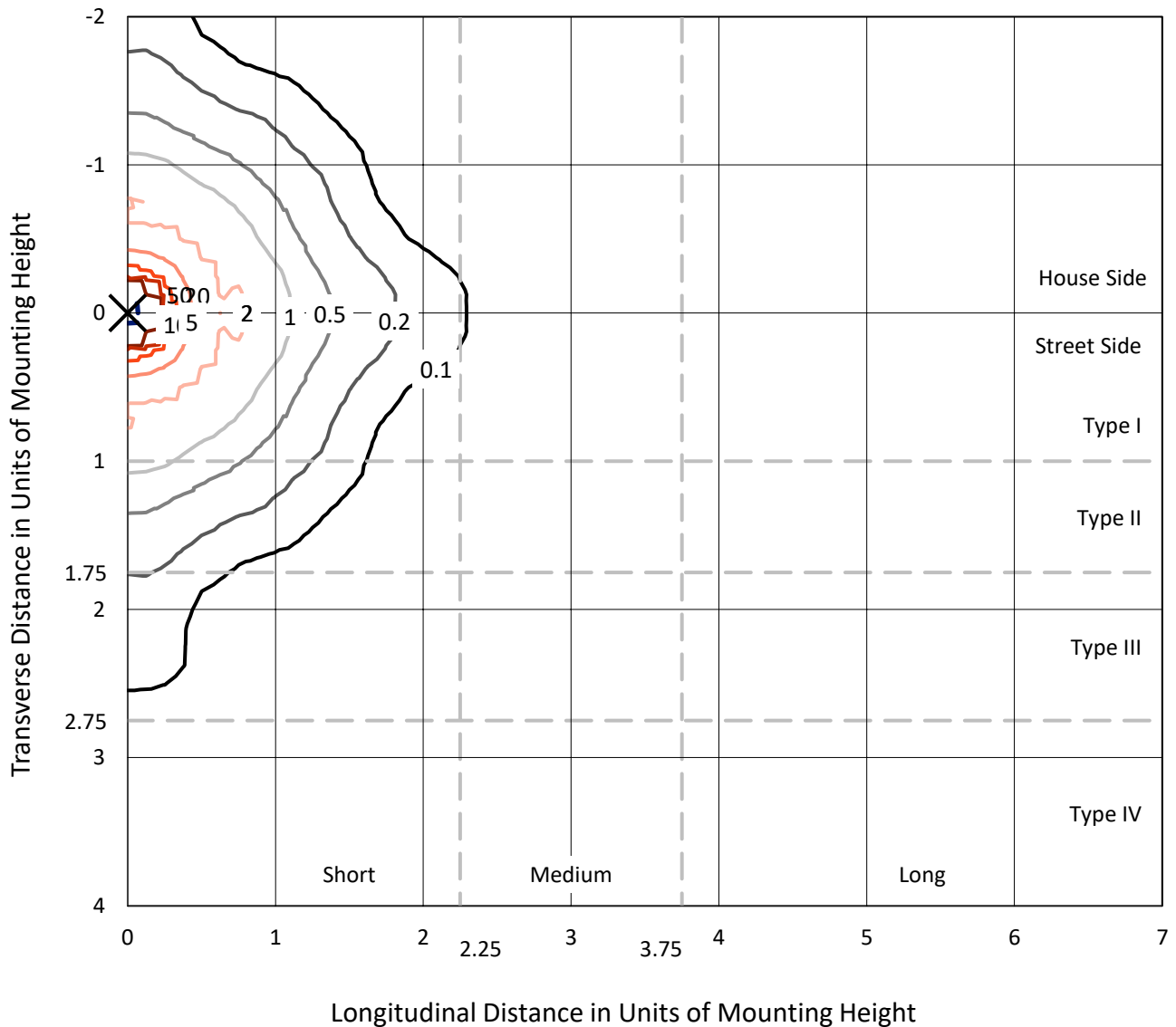
Lumens per Lamp: N/A
Luminaire Lumens: 6520 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 122.4
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

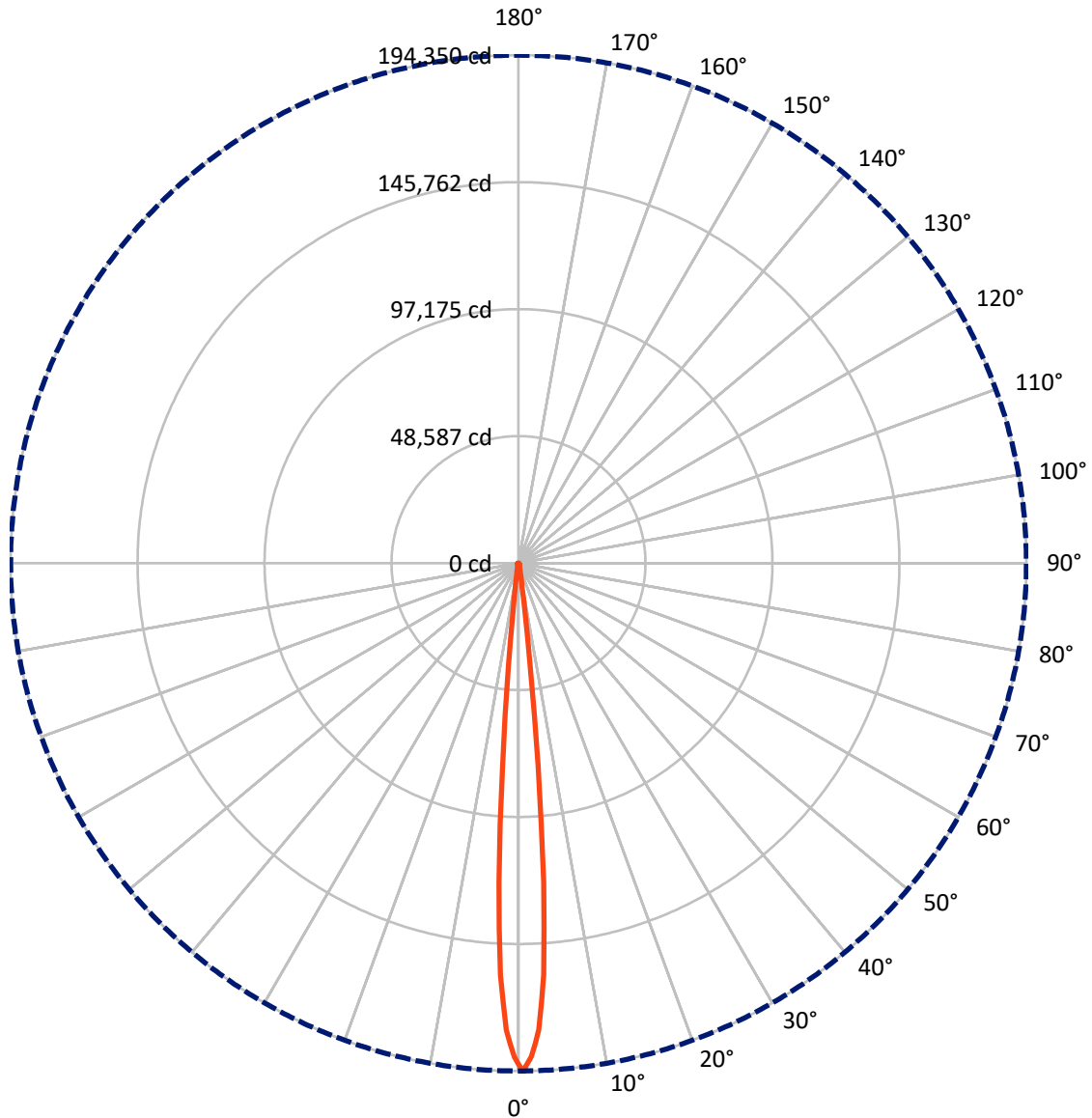
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1943.5 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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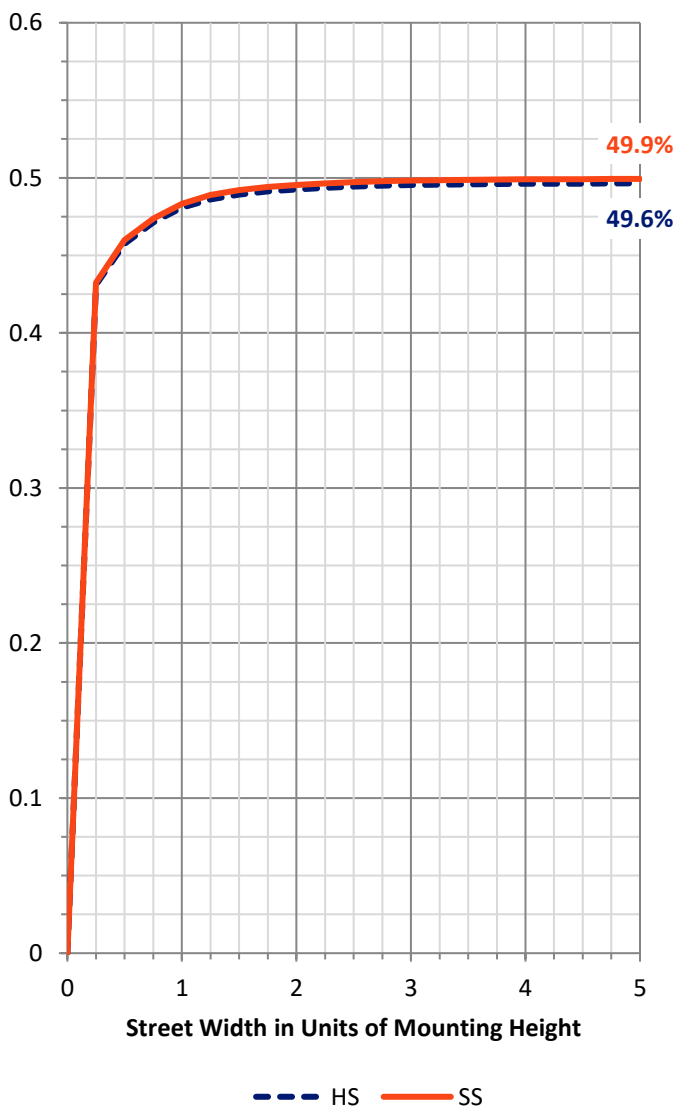
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.0	0.0	3260.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3260.0	0.0	3260.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6520.0	0.0	6520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5007.3	76.8
10°-20°	488.4	7.5
20°-30°	260.9	4.0
30°-40°	215.2	3.3
40°-50°	239.6	3.7
50°-60°	161.1	2.5
60°-70°	102.8	1.6
70°-80°	40.6	0.6
80°-90°	4.0	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°	6520.0	100.0
0°-180°	6520.0	100.0

Coefficient of Utilization



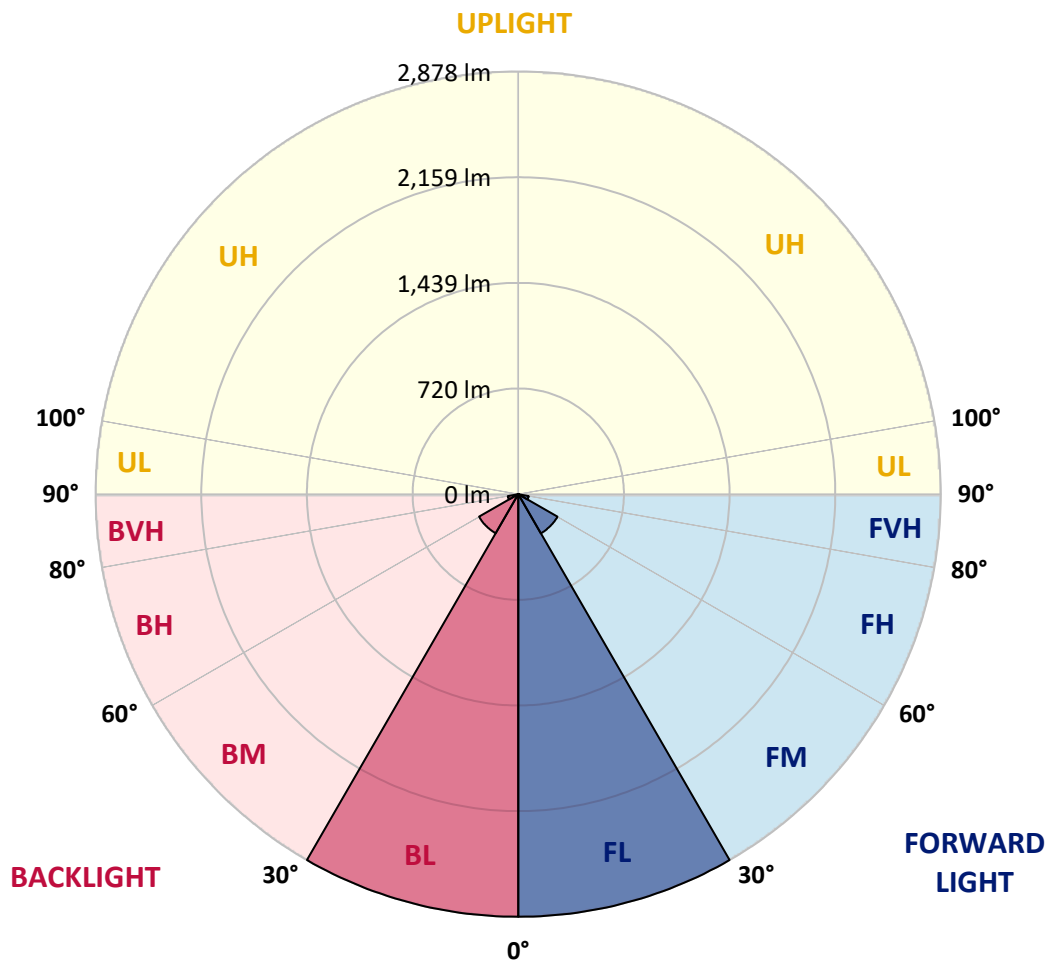
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2878.3	44.1			
FM (30°-60°)	308.0	4.7			
FH (60°-80°)	71.7	1.1			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	2878.3	44.1	B4/5000		
BM (30°-60°)	308.0	4.7	B1/1000		
BH (60°-80°)	71.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.0	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°	194349.9	194349.9	194349.9	194349.9	194349.9	194349.9	194349.9	194349.9	194349.9	194349.9
1°	188948.4	189277.0	189336.3	188945.0	187947.4	188182.8	188152.3	188204.8	188106.6	187483.3
2°	178717.9	179204.0	178692.4	177594.9	175321.8	174779.8	172969.1	170948.4	168797.3	166641.1
3°	157835.0	158858.1	158128.0	159300.1	154689.6	154223.8	150416.2	145395.7	140307.6	136184.9
4°	122375.3	124265.6	124516.3	128384.9	124597.6	125781.5	121431.9	114456.8	106844.9	101021.6
5°	78004.5	80640.1	82127.3	85755.4	87500.0	92042.8	89923.8	82923.3	74127.4	67428.5
6°	39413.0	40847.7	44843.3	48832.2	53286.9	59315.2	60131.6	53986.5	46986.0	40556.3
7°	18372.6	18965.5	21784.0	22634.2	27727.5	34267.3	35181.9	31812.9	28120.5	23137.3
8°	9493.7	9724.1	10753.9	11385.7	14356.6	18118.6	18760.5	16639.9	15129.0	12622.2
9°	5847.0	5948.6	6334.8	6477.1	7588.2	9261.7	9488.7	8601.1	8191.2	7325.7
10°	4055.0	4109.2	4290.4	4327.7	4698.6	5249.1	5269.4	4978.1	4984.9	4768.0
12.5°	2161.3	2178.2	2229.0	2234.1	2305.3	2362.9	2349.3	2351.0	2379.8	2351.0
15°	1382.1	1390.6	1421.1	1427.9	1465.1	1485.5	1475.3	1473.6	1483.8	1465.1
17.5°	985.8	990.9	1012.9	1031.5	1055.2	1062.0	1058.6	1055.2	1055.2	1038.3
20°	769.0	775.8	791.0	809.6	821.5	833.3	835.0	833.3	828.3	819.8
22.5°	653.8	657.2	662.3	670.7	679.2	684.3	687.7	689.4	687.7	684.3
25°	569.1	572.5	582.7	587.7	587.7	589.4	596.2	599.6	601.3	594.5
27.5°	420.1	428.5	443.8	452.2	452.2	455.6	460.7	467.5	474.3	462.4
30°	325.2	332.0	348.9	348.9	347.2	350.6	355.7	365.9	376.0	362.5
32.5°	293.0	293.0	296.4	298.1	298.1	303.2	306.6	315.0	323.5	320.1
35°	306.6	298.1	287.9	287.9	291.3	301.5	303.2	311.7	320.1	332.0
37.5°	445.5	420.1	382.8	376.0	376.0	387.9	382.8	387.9	403.1	447.2
40°	404.8	384.5	362.5	332.0	332.0	348.9	337.1	343.8	379.4	406.5
42.5°	360.8	360.8	337.1	308.3	308.3	316.7	313.4	316.7	357.4	379.4
45°	333.7	333.7	326.9	281.2	287.9	293.0	293.0	293.0	347.2	354.0
47.5°	318.4	318.4	301.5	259.2	267.6	269.3	272.7	269.3	311.7	335.4
50°	284.6	287.9	259.2	228.7	238.8	238.8	243.9	237.1	269.3	308.3
52.5°	245.6	249.0	204.9	181.2	193.1	191.4	198.2	188.0	213.4	267.6
55°	218.5	216.8	169.4	147.4	160.9	159.2	162.6	150.7	172.8	230.4
57.5°	189.7	193.1	138.9	120.3	135.5	132.1	137.2	123.6	142.3	204.9
60°	167.7	172.8	118.6	101.6	116.9	113.5	118.6	103.3	122.0	184.6
62.5°	160.9	160.9	105.0	86.4	101.6	98.2	101.6	86.4	108.4	169.4
65°	191.4	181.2	94.9	71.1	86.4	83.0	86.4	71.1	94.9	162.6
67.5°	254.1	242.2	89.8	55.9	69.4	64.4	69.4	57.6	83.0	152.4
70°	132.1	140.6	89.8	44.0	52.5	52.5	50.8	44.0	69.4	111.8
72.5°	76.2	77.9	69.4	33.9	40.7	44.0	39.0	33.9	50.8	83.0
75°	42.3	47.4	44.0	25.4	30.5	33.9	28.8	25.4	35.6	59.3
77.5°	25.4	28.8	25.4	16.9	20.3	18.6	20.3	16.9	23.7	39.0
80°	13.6	13.6	13.6	10.2	10.2	11.9	11.9	10.2	13.6	20.3
82.5°	5.1	5.1	5.1	3.4	5.1	5.1	5.1	6.8	6.8	8.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
194349.9
188098.1
167882.6
137748.2
102371.5
68287.2
41037.4
23740.3
12962.6
7513.7
4868.0
2383.2
1478.7
1043.4
821.5
686.0
594.5
460.7
359.1
320.1
338.8
469.2
431.9
381.1
352.3
330.3
304.9
260.8
227.0
199.9
179.5
167.7
162.6
150.7
110.1
81.3
52.5
28.8
16.9
8.5
1.7
1.7
0.0

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