

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: P525314

Luminaire Tested: **IFLD-S-SA3A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525314
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-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

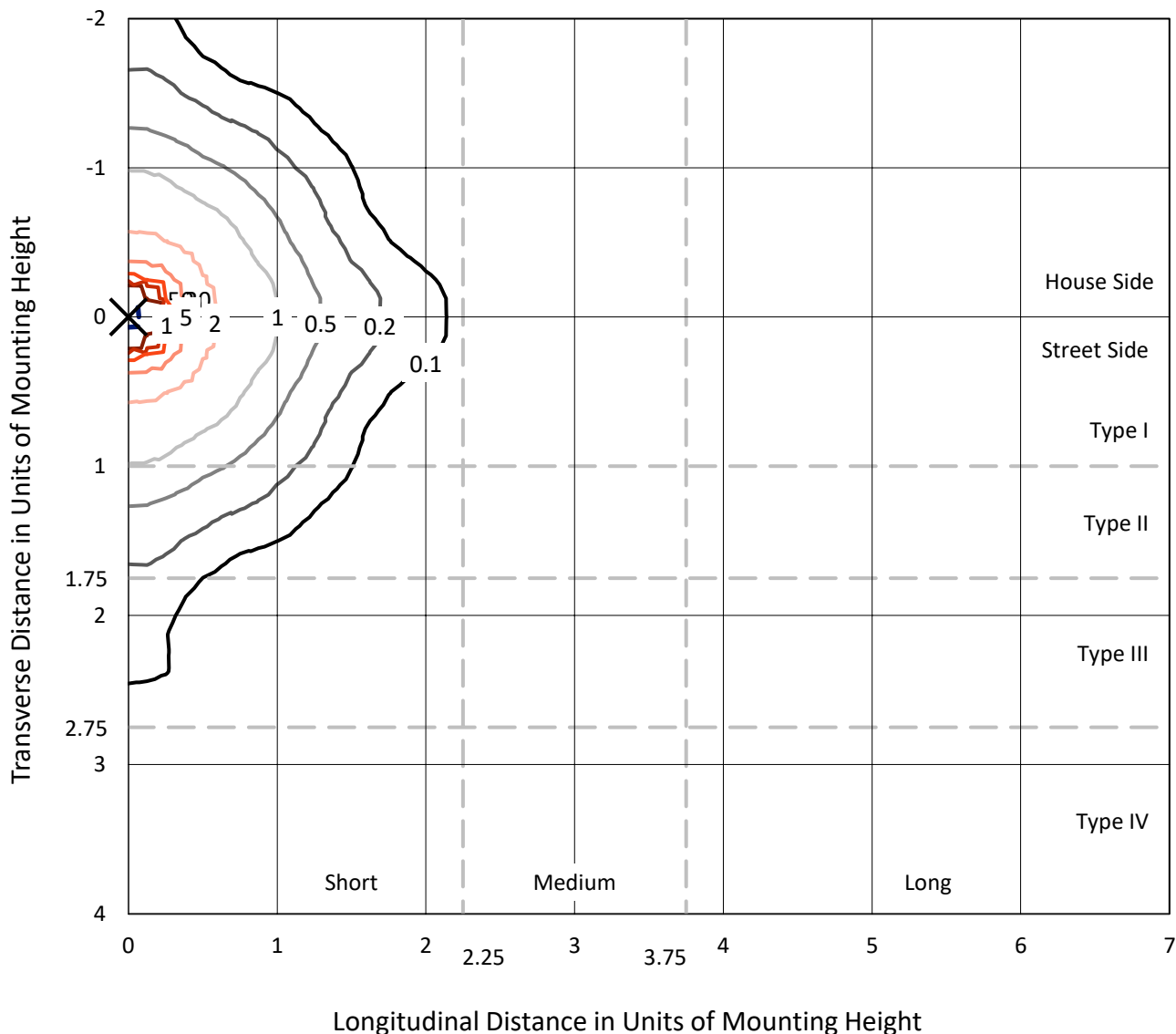
Lumens per Lamp: N/A
Luminaire Lumens: 5271.9 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.8
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

REPORT NUMBER: P525314
 CATALOG NUMBER: IFLD-S-SA3A-935-U-11

Iso-Footcandle Lines of Horizontal Illumination

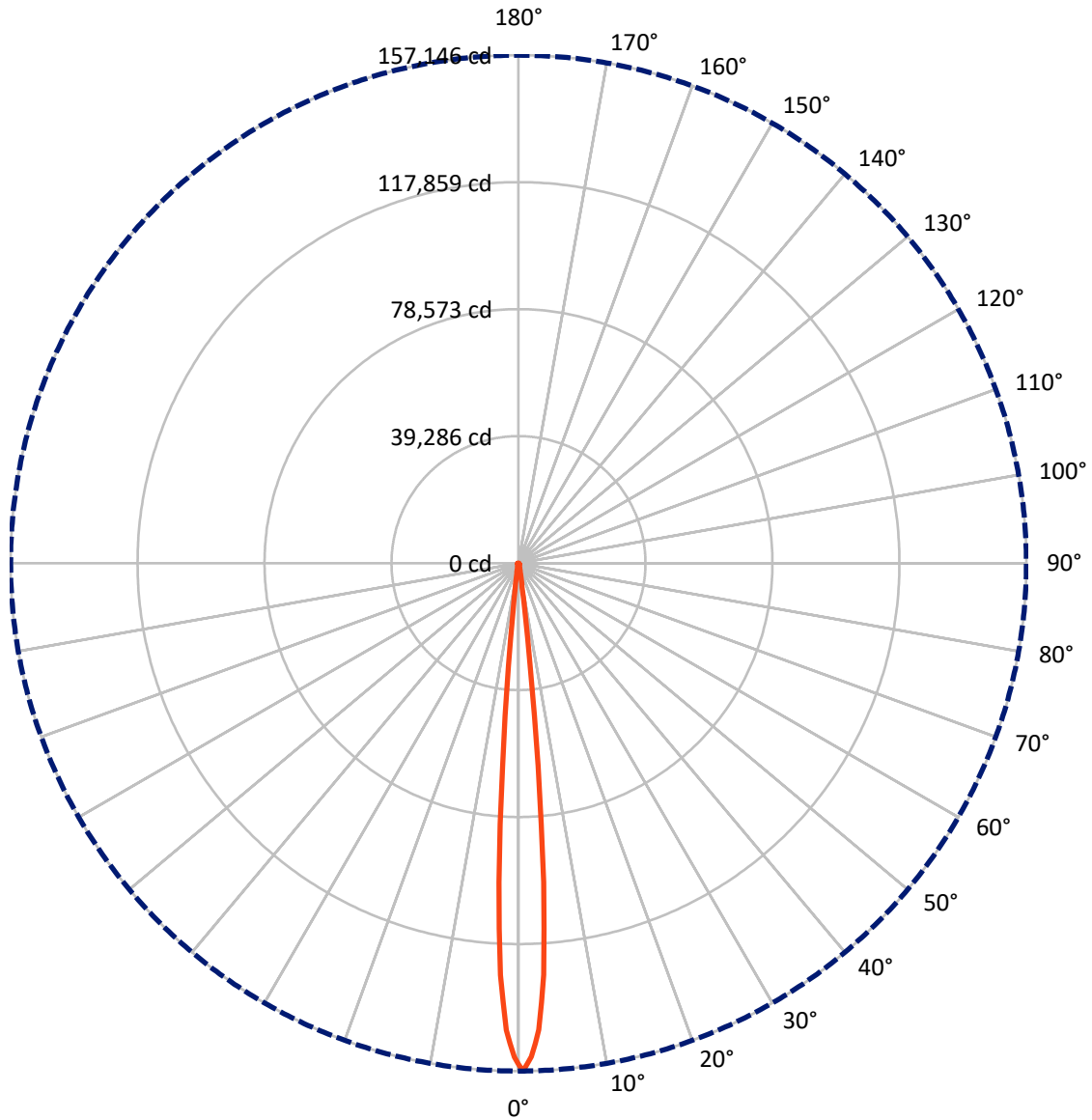
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1571.5 fc
 Type V - Short - N/A

REPORT NUMBER: P525314
CATALOG NUMBER: IFLD-S-SA3A-935-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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 CATALOG NUMBER: IFLD-S-SA3A-935-U-11

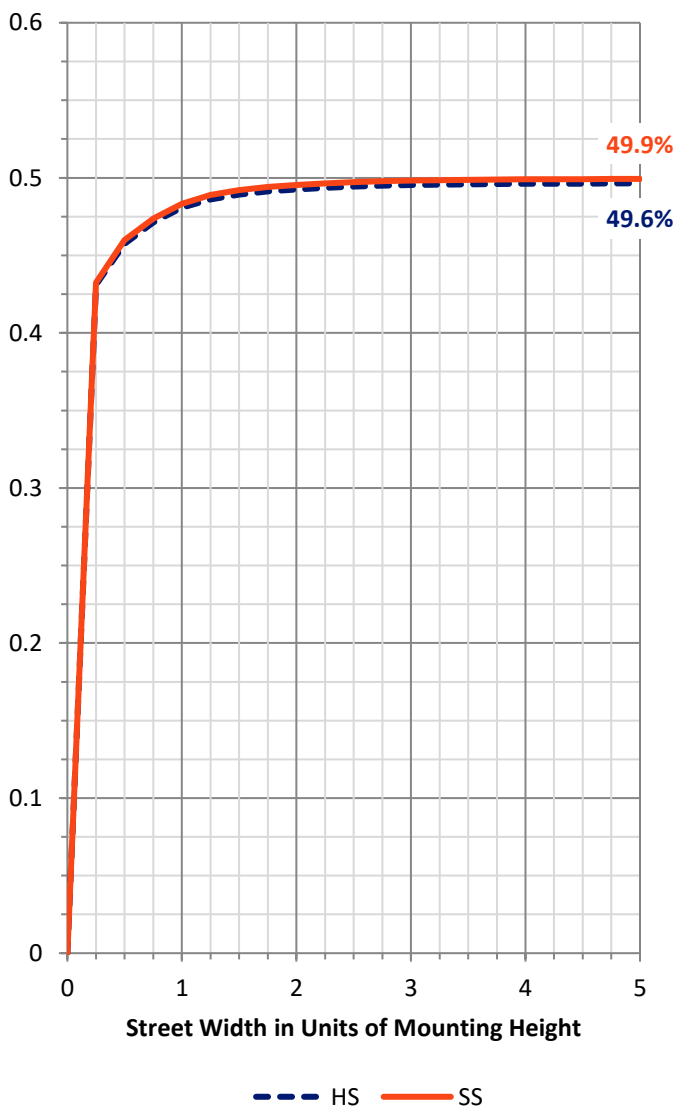
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2635.9	0.0	2635.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2635.9	0.0	2635.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5271.9	0.0	5271.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4048.8	76.8
10°-20°	394.9	7.5
20°-30°	211.0	4.0
30°-40°	174.0	3.3
40°-50°	193.7	3.7
50°-60°	130.3	2.5
60°-70°	83.1	1.6
70°-80°	32.8	0.6
80°-90°	3.2	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°	5271.9	100.0
0°-180°	5271.9	100.0

Coefficient of Utilization



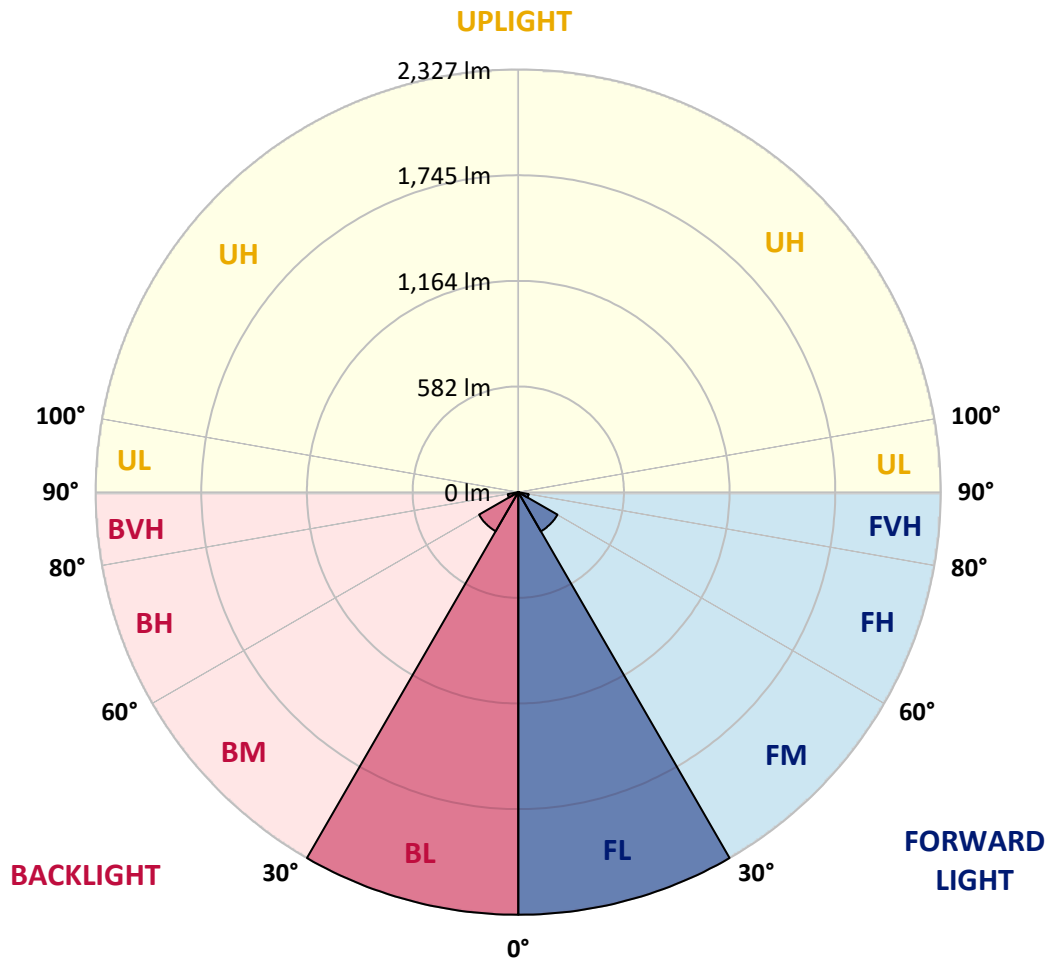
REPORT NUMBER: P525314
 CATALOG NUMBER: IFLD-S-SA3A-935-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2327.3	44.1			
FM (30°-60°)	249.0	4.7			
FH (60°-80°)	58.0	1.1			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	2327.3	44.1	B3/2500		
BM (30°-60°)	249.0	4.7	B1/1000		
BH (60°-80°)	58.0	1.1	B0/110		G0/660
BVH (80°-90°)	1.6	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°	157145.6	157145.6	157145.6	157145.6	157145.6	157145.6	157145.6	157145.6	157145.6	157145.6
1°	152778.1	153043.8	153091.7	152775.4	151968.7	152159.1	152134.4	152176.9	152097.4	151593.4
2°	144506.0	144899.0	144485.4	143598.0	141760.0	141321.8	139857.7	138223.8	136484.5	134741.0
3°	127620.7	128447.9	127857.6	128805.4	125077.5	124700.8	121622.1	117562.7	113448.5	110115.1
4°	98949.1	100477.5	100680.2	103808.2	100745.9	101703.2	98186.2	92546.4	86391.6	81683.1
5°	63072.2	65203.2	66405.7	69339.3	70749.9	74423.0	72709.7	67049.4	59937.3	54520.7
6°	31868.2	33028.2	36259.0	39484.3	43086.2	47960.5	48620.6	43651.9	37991.5	32792.7
7°	14855.6	15334.9	17613.9	18301.4	22419.6	27707.5	28447.0	25723.0	22737.4	18708.1
8°	7676.4	7862.6	8695.3	9206.2	11608.4	14650.1	15169.2	13454.5	12232.9	10205.9
9°	4727.7	4809.9	5122.1	5237.2	6135.6	7488.7	7672.3	6954.6	6623.2	5923.3
10°	3278.7	3322.5	3469.1	3499.2	3799.1	4244.3	4260.7	4025.1	4030.6	3855.3
12.5°	1747.6	1761.2	1802.3	1806.4	1864.0	1910.5	1899.6	1900.9	1924.2	1900.9
15°	1117.6	1124.4	1149.1	1154.5	1184.7	1201.1	1192.9	1191.5	1199.7	1184.7
17.5°	797.1	801.2	819.0	834.1	853.2	858.7	856.0	853.2	853.2	839.5
20°	621.8	627.3	639.6	654.6	664.2	673.8	675.2	673.8	669.7	662.9
22.5°	528.6	531.4	535.5	542.3	549.2	553.3	556.0	557.4	556.0	553.3
25°	460.2	462.9	471.1	475.2	475.2	476.6	482.1	484.8	486.2	480.7
27.5°	339.6	346.5	358.8	365.7	365.7	368.4	372.5	378.0	383.5	373.9
30°	263.0	268.4	282.1	282.1	280.8	283.5	287.6	295.8	304.0	293.1
32.5°	236.9	236.9	239.7	241.0	241.0	245.2	247.9	254.7	261.6	258.8
35°	247.9	241.0	232.8	232.8	235.6	243.8	245.2	252.0	258.8	268.4
37.5°	360.2	339.6	309.5	304.0	304.0	313.6	309.5	313.6	326.0	361.6
40°	327.3	310.9	293.1	268.4	268.4	282.1	272.5	278.0	306.8	328.7
42.5°	291.7	291.7	272.5	249.3	249.3	256.1	253.4	256.1	289.0	306.8
45°	269.8	269.8	264.3	227.3	232.8	236.9	236.9	236.9	280.8	286.2
47.5°	257.5	257.5	243.8	209.5	216.4	217.8	220.5	217.8	252.0	271.2
50°	230.1	232.8	209.5	184.9	193.1	193.1	197.2	191.7	217.8	249.3
52.5°	198.6	201.3	165.7	146.5	156.1	154.8	160.2	152.0	172.6	216.4
55°	176.7	175.3	137.0	119.2	130.1	128.7	131.5	121.9	139.7	186.3
57.5°	153.4	156.1	112.3	97.2	109.6	106.8	110.9	100.0	115.0	165.7
60°	135.6	139.7	95.9	82.2	94.5	91.8	95.9	83.5	98.6	149.3
62.5°	130.1	130.1	84.9	69.8	82.2	79.4	82.2	69.8	87.7	137.0
65°	154.8	146.5	76.7	57.5	69.8	67.1	69.8	57.5	76.7	131.5
67.5°	205.4	195.8	72.6	45.2	56.2	52.0	56.2	46.6	67.1	123.3
70°	106.8	113.7	72.6	35.6	42.5	42.5	41.1	35.6	56.2	90.4
72.5°	61.6	63.0	56.2	27.4	32.9	35.6	31.5	27.4	41.1	67.1
75°	34.2	38.3	35.6	20.5	24.7	27.4	23.3	20.5	28.8	47.9
77.5°	20.5	23.3	20.5	13.7	16.4	15.1	16.4	13.7	19.2	31.5
80°	11.0	11.0	11.0	8.2	8.2	9.6	9.6	8.2	11.0	16.4
82.5°	4.1	4.1	4.1	2.7	4.1	4.1	4.1	5.5	5.5	6.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
157145.6
152090.6
135744.9
111379.2
82774.6
55215.0
33181.6
19195.7
10481.2
6075.4
3936.1
1927.0
1195.6
843.6
664.2
554.7
480.7
372.5
290.3
258.8
273.9
379.4
349.2
308.2
284.9
267.1
246.5
210.9
183.5
161.6
145.2
135.6
131.5
121.9
89.0
65.7
42.5
23.3
13.7
6.8
1.4
1.4
0.0

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