

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: P525318

Luminaire Tested: **IFLD-S-SA3E-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525318
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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

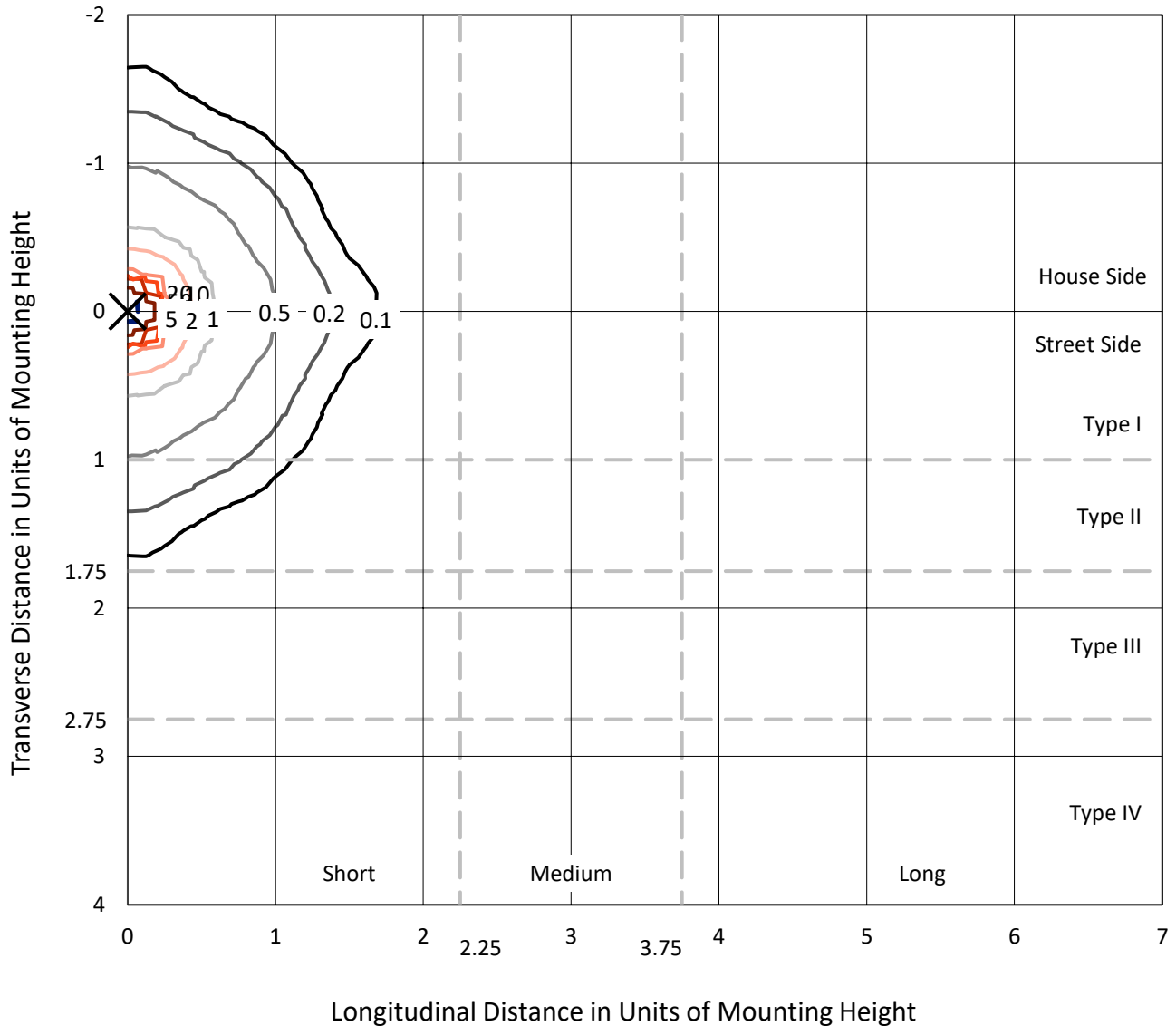
Lumens per Lamp: N/A
Luminaire Lumens: 10335.4 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 232.1
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

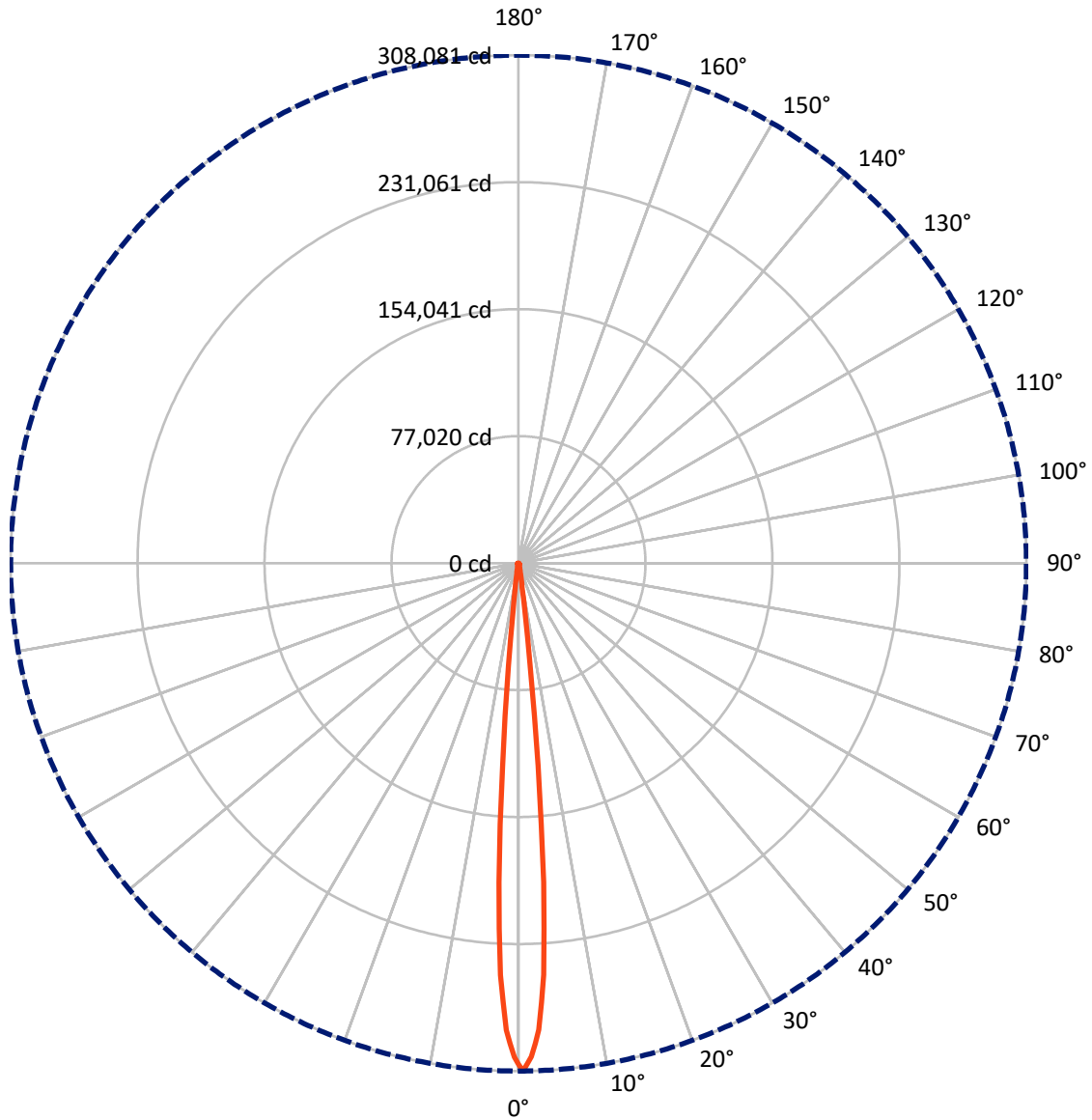
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 770.2 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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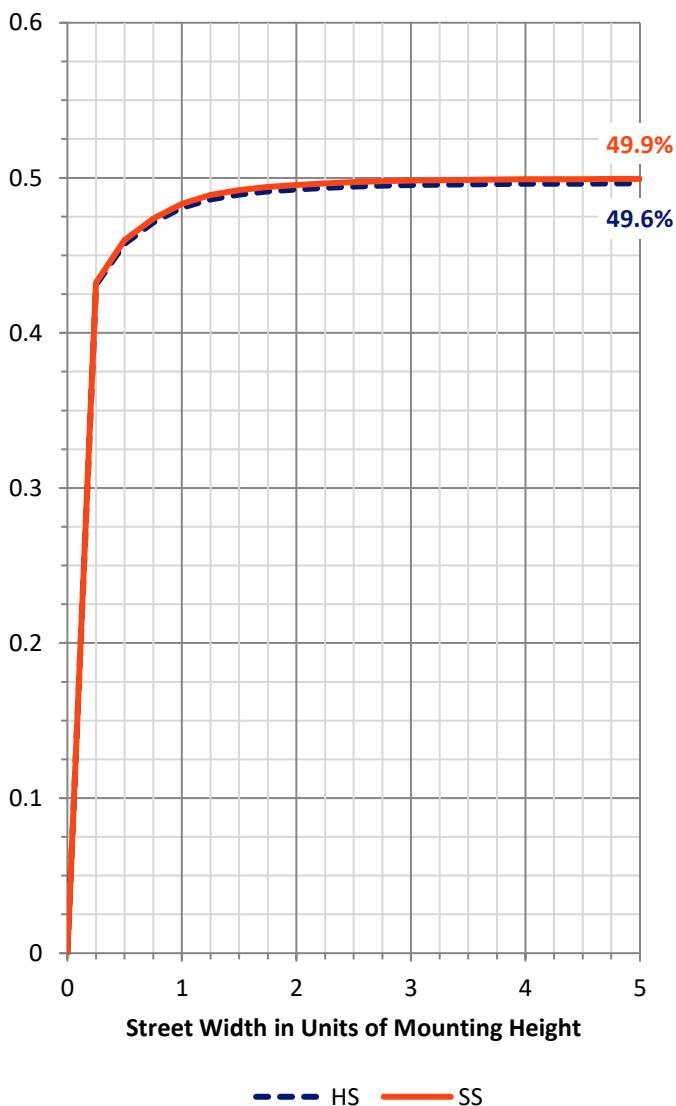
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5167.7	0.0	5167.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5167.7	0.0	5167.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10335.4	0.0	10335.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7937.6	76.8
10°-20°	774.2	7.5
20°-30°	413.6	4.0
30°-40°	341.1	3.3
40°-50°	379.8	3.7
50°-60°	255.4	2.5
60°-70°	163.0	1.6
70°-80°	64.3	0.6
80°-90°	6.3	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°	10335.4	100.0
0°-180°	10335.4	100.0

Coefficient of Utilization



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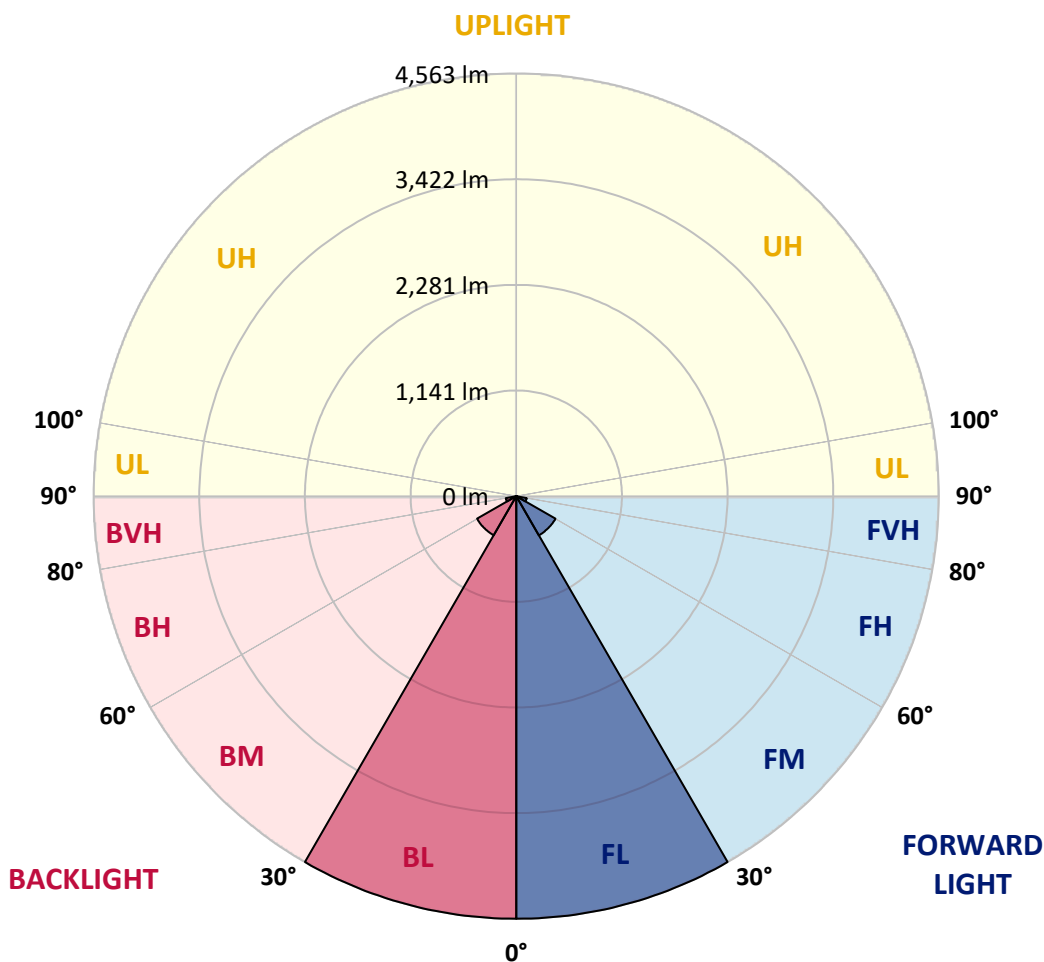
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4562.7	44.1			
FM (30°-60°)	488.2	4.7			
FH (60°-80°)	113.7	1.1			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	4562.7	44.1	B4/5000		
BM (30°-60°)	488.2	4.7	B1/1000		
BH (60°-80°)	113.7	1.1	B1/500		G0/660
BVH (80°-90°)	3.2	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°	308081.2	308081.2	308081.2	308081.2	308081.2	308081.2	308081.2	308081.2	308081.2	308081.2
1°	299518.8	300039.7	300133.6	299513.4	297931.9	298305.2	298256.8	298340.1	298184.3	297196.3
2°	283301.4	284072.0	283261.1	281521.3	277918.0	277058.8	274188.6	270985.4	267575.4	264157.4
3°	250198.2	251819.9	250662.7	252520.7	245212.1	244473.8	238437.9	230479.6	222413.9	215878.6
4°	193987.9	196984.3	197381.7	203514.2	197510.6	199387.4	192492.4	181435.6	169369.2	160138.2
5°	123651.9	127829.7	130187.1	135938.4	138703.9	145905.1	142546.2	131449.1	117505.9	106886.8
6°	62477.0	64751.2	71085.1	77408.3	84469.8	94025.7	95319.9	85578.7	74481.6	64289.4
7°	29124.1	30063.8	34531.7	35879.5	43953.3	54320.0	55769.9	50429.5	44576.2	36677.0
8°	15049.4	15414.5	17047.0	18048.5	22758.0	28721.3	29739.0	26377.3	23982.3	20008.6
9°	9268.6	9429.7	10041.9	10267.4	12028.8	14681.5	15041.3	13634.4	12984.6	11612.6
10°	6427.9	6513.8	6801.1	6860.2	7448.2	8320.8	8353.0	7891.2	7901.9	7558.2
12.5°	3426.0	3452.9	3533.4	3541.5	3654.3	3745.6	3724.1	3726.8	3772.4	3726.8
15°	2191.0	2204.4	2252.7	2263.4	2322.5	2354.7	2338.6	2335.9	2352.1	2322.5
17.5°	1562.7	1570.7	1605.6	1635.2	1672.7	1683.5	1678.1	1672.7	1672.7	1645.9
20°	1219.0	1229.7	1253.9	1283.4	1302.2	1321.0	1323.7	1321.0	1313.0	1299.5
22.5°	1036.4	1041.8	1049.8	1063.3	1076.7	1084.7	1090.1	1092.8	1090.1	1084.7
25°	902.2	907.5	923.6	931.7	931.7	934.4	945.1	950.5	953.2	942.4
27.5°	665.9	679.3	703.5	716.9	716.9	722.3	730.3	741.1	751.8	733.0
30°	515.5	526.3	553.1	553.1	550.4	555.8	563.8	580.0	596.1	574.6
32.5°	464.5	464.5	469.9	472.6	472.6	480.6	486.0	499.4	512.8	507.5
35°	486.0	472.6	456.4	456.4	461.8	477.9	480.6	494.0	507.5	526.3
37.5°	706.2	665.9	606.8	596.1	596.1	614.9	606.8	614.9	639.0	708.8
40°	641.7	609.5	574.6	526.3	526.3	553.1	534.3	545.1	601.4	644.4
42.5°	571.9	571.9	534.3	488.7	488.7	502.1	496.7	502.1	566.5	601.4
45°	528.9	528.9	518.2	445.7	456.4	464.5	464.5	464.5	550.4	561.2
47.5°	504.8	504.8	477.9	410.8	424.2	426.9	432.3	426.9	494.0	531.6
50°	451.1	456.4	410.8	362.5	378.6	378.6	386.6	375.9	426.9	488.7
52.5°	389.3	394.7	324.9	287.3	306.1	303.4	314.1	298.0	338.3	424.2
55°	346.4	343.7	268.5	233.6	255.1	252.4	257.8	239.0	273.9	365.2
57.5°	300.7	306.1	220.2	190.6	214.8	209.4	217.5	196.0	225.5	324.9
60°	265.8	273.9	187.9	161.1	185.3	179.9	187.9	163.8	193.3	292.7
62.5°	255.1	255.1	166.5	136.9	161.1	155.7	161.1	136.9	171.8	268.5
65°	303.4	287.3	150.4	112.8	136.9	131.6	136.9	112.8	150.4	257.8
67.5°	402.7	384.0	142.3	88.6	110.1	102.0	110.1	91.3	131.6	241.6
70°	209.4	222.9	142.3	69.8	83.2	83.2	80.5	69.8	110.1	177.2
72.5°	120.8	123.5	110.1	53.7	64.4	69.8	61.8	53.7	80.5	131.6
75°	67.1	75.2	69.8	40.3	48.3	53.7	45.6	40.3	56.4	94.0
77.5°	40.3	45.6	40.3	26.8	32.2	29.5	32.2	26.8	37.6	61.8
80°	21.5	21.5	21.5	16.1	16.1	18.8	18.8	16.1	21.5	32.2
82.5°	8.1	8.1	8.1	5.4	8.1	8.1	8.1	10.7	10.7	13.4
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
308081.2
298170.9
266125.5
218356.9
162278.2
108248.1
65052.0
37632.8
20548.2
11910.6
7716.7
3777.8
2344.0
1654.0
1302.2
1087.4
942.4
730.3
569.2
507.5
537.0
743.7
684.7
604.1
558.5
523.6
483.3
413.5
359.8
316.8
284.6
265.8
257.8
239.0
174.5
128.9
83.2
45.6
26.8
13.4
2.7
2.7
0.0

OF REPORT)