

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: P525276

Luminaire Tested: **IFLD-S-SA3B-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525276
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

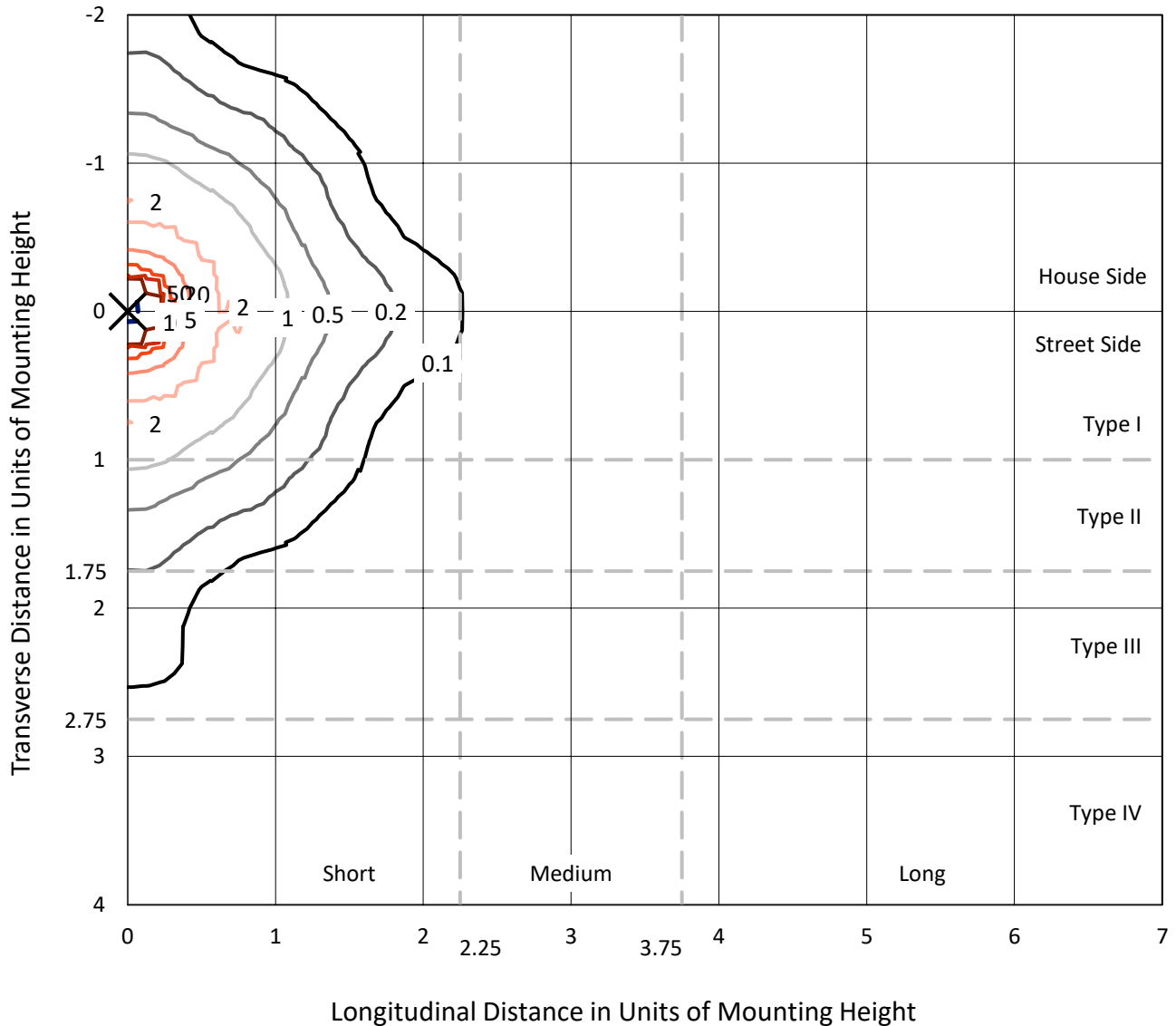
Lumens per Lamp: N/A
Luminaire Lumens: 6284.4 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

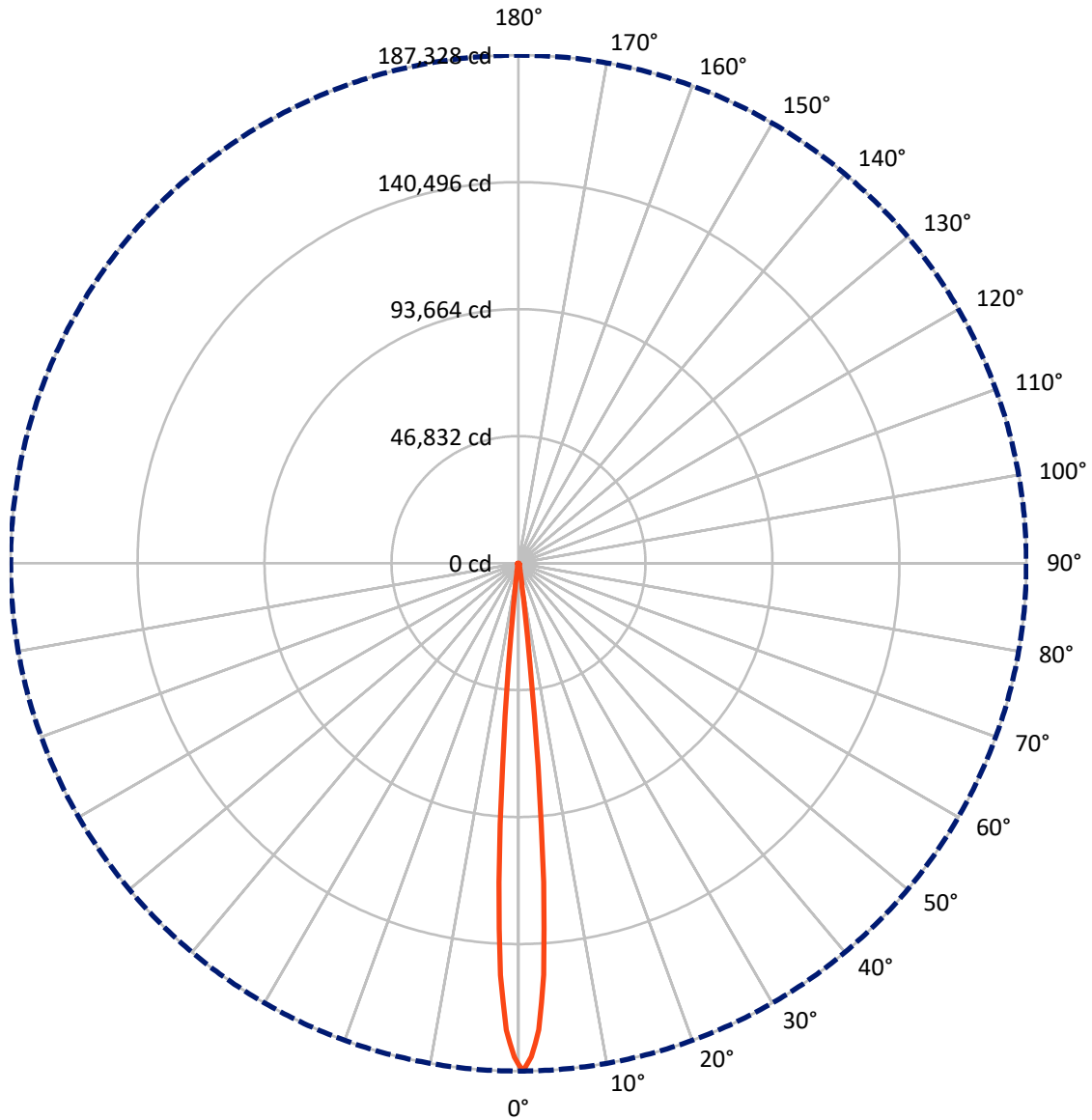
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1873.3 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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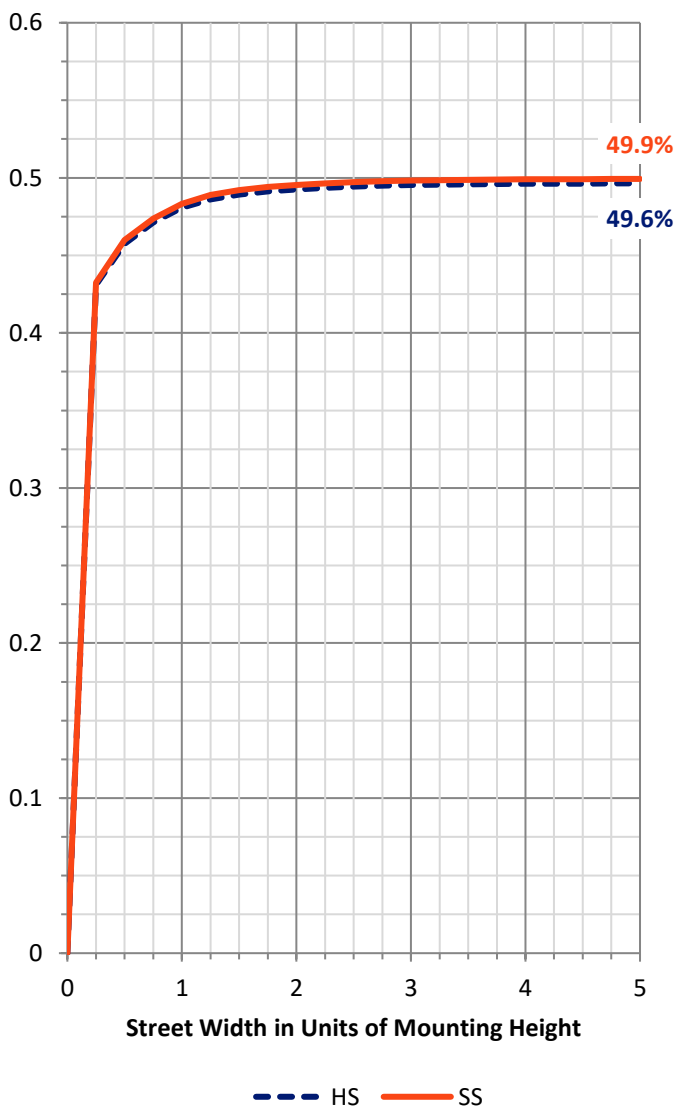
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3142.2	0.0	3142.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3142.2	0.0	3142.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6284.4	0.0	6284.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4826.4	76.8
10°-20°	470.7	7.5
20°-30°	251.5	4.0
30°-40°	207.4	3.3
40°-50°	231.0	3.7
50°-60°	155.3	2.5
60°-70°	99.1	1.6
70°-80°	39.1	0.6
80°-90°	3.8	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°	6284.4	100.0
0°-180°	6284.4	100.0

Coefficient of Utilization



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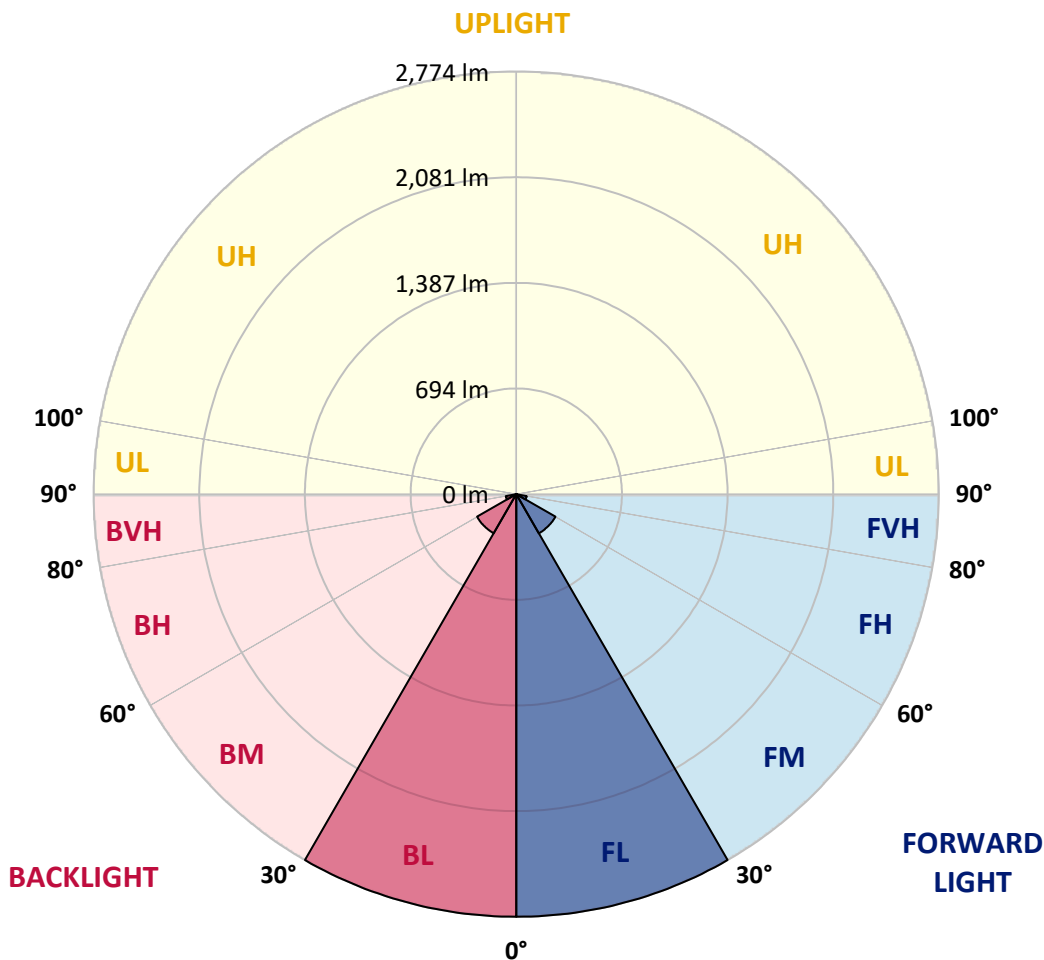
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2774.3	44.1			
FM (30°-60°)	296.8	4.7			
FH (60°-80°)	69.1	1.1			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	2774.3	44.1	B4/5000		
BM (30°-60°)	296.8	4.7	B1/1000		
BH (60°-80°)	69.1	1.1	B0/110		G0/660
BVH (80°-90°)	1.9	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°	187328.0	187328.0	187328.0	187328.0	187328.0	187328.0	187328.0	187328.0	187328.0	187328.0
1°	182121.7	182438.4	182495.5	182118.4	181156.8	181383.7	181354.3	181405.0	181310.3	180709.5
2°	172260.7	172729.3	172236.3	171178.3	168987.4	168464.9	166719.7	164772.0	162698.6	160620.3
3°	152132.4	153118.5	152414.8	153544.6	149100.7	148651.7	144981.6	140142.6	135238.2	131264.5
4°	117953.9	119775.9	120017.5	123746.3	120095.8	121237.0	117044.5	110321.5	102984.5	97371.7
5°	75186.2	77726.6	79160.0	82657.0	84338.6	88717.2	86674.8	79927.3	71449.2	64992.3
6°	37989.0	39371.8	43223.1	47067.9	51361.7	57172.1	57959.0	52035.9	45288.4	39091.0
7°	17708.8	18280.2	20996.9	21816.5	26725.7	33029.2	33910.8	30663.5	27104.5	22301.3
8°	9150.7	9372.8	10365.4	10974.4	13837.9	17463.9	18082.7	16038.7	14582.4	12166.2
9°	5635.7	5733.7	6105.9	6243.1	7314.1	8927.1	9145.8	8290.4	7895.3	7061.0
10°	3908.4	3960.7	4135.4	4171.3	4528.8	5059.4	5079.0	4798.2	4804.7	4595.8
12.5°	2083.2	2099.5	2148.5	2153.4	2222.0	2277.5	2264.4	2266.1	2293.8	2266.1
15°	1332.2	1340.4	1369.8	1376.3	1412.2	1431.8	1422.0	1420.4	1430.2	1412.2
17.5°	950.2	955.1	976.3	994.3	1017.1	1023.6	1020.4	1017.1	1017.1	1000.8
20°	741.2	747.7	762.4	780.4	791.8	803.2	804.9	803.2	798.3	790.2
22.5°	630.2	633.4	638.3	646.5	654.7	659.6	662.8	664.5	662.8	659.6
25°	548.6	551.8	561.6	566.5	566.5	568.1	574.7	577.9	579.6	573.0
27.5°	404.9	413.0	427.7	435.9	435.9	439.2	444.1	450.6	457.1	445.7
30°	313.5	320.0	336.3	336.3	334.7	337.9	342.8	352.6	362.4	349.4
32.5°	282.4	282.4	285.7	287.3	287.3	292.2	295.5	303.7	311.8	308.6
35°	295.5	287.3	277.5	277.5	280.8	290.6	292.2	300.4	308.6	320.0
37.5°	429.4	404.9	369.0	362.4	362.4	373.9	369.0	373.9	388.6	431.0
40°	390.2	370.6	349.4	320.0	320.0	336.3	324.9	331.4	365.7	391.8
42.5°	347.7	347.7	324.9	297.1	297.1	305.3	302.0	305.3	344.5	365.7
45°	321.6	321.6	315.1	271.0	277.5	282.4	282.4	282.4	334.7	341.2
47.5°	306.9	306.9	290.6	249.8	258.0	259.6	262.8	259.6	300.4	323.3
50°	274.3	277.5	249.8	220.4	230.2	230.2	235.1	228.6	259.6	297.1
52.5°	236.7	240.0	197.5	174.7	186.1	184.5	191.0	181.2	205.7	258.0
55°	210.6	209.0	163.3	142.0	155.1	153.5	156.7	145.3	166.5	222.0
57.5°	182.9	186.1	133.9	115.9	130.6	127.3	132.2	119.2	137.1	197.5
60°	161.6	166.5	114.3	98.0	112.6	109.4	114.3	99.6	117.5	178.0
62.5°	155.1	155.1	101.2	83.3	98.0	94.7	98.0	83.3	104.5	163.3
65°	184.5	174.7	91.4	68.6	83.3	80.0	83.3	68.6	91.4	156.7
67.5°	244.9	233.5	86.5	53.9	66.9	62.0	66.9	55.5	80.0	146.9
70°	127.3	135.5	86.5	42.4	50.6	50.6	49.0	42.4	66.9	107.8
72.5°	73.5	75.1	66.9	32.7	39.2	42.4	37.5	32.7	49.0	80.0
75°	40.8	45.7	42.4	24.5	29.4	32.7	27.8	24.5	34.3	57.1
77.5°	24.5	27.8	24.5	16.3	19.6	18.0	19.6	16.3	22.9	37.5
80°	13.1	13.1	13.1	9.8	9.8	11.4	11.4	9.8	13.1	19.6
82.5°	4.9	4.9	4.9	3.3	4.9	4.9	4.9	6.5	6.5	8.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
187328.0
181302.1
161817.0
132771.4
98672.8
65820.0
39554.7
22882.6
12494.3
7242.2
4692.1
2297.1
1425.3
1005.7
791.8
661.2
573.0
444.1
346.1
308.6
326.5
452.2
416.3
367.3
339.6
318.4
293.9
251.4
218.8
192.6
173.1
161.6
156.7
145.3
106.1
78.4
50.6
27.8
16.3
8.2
1.6
1.6
0.0

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