

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: P525232

Luminaire Tested: **IFLD-S-SA2B-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525232
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

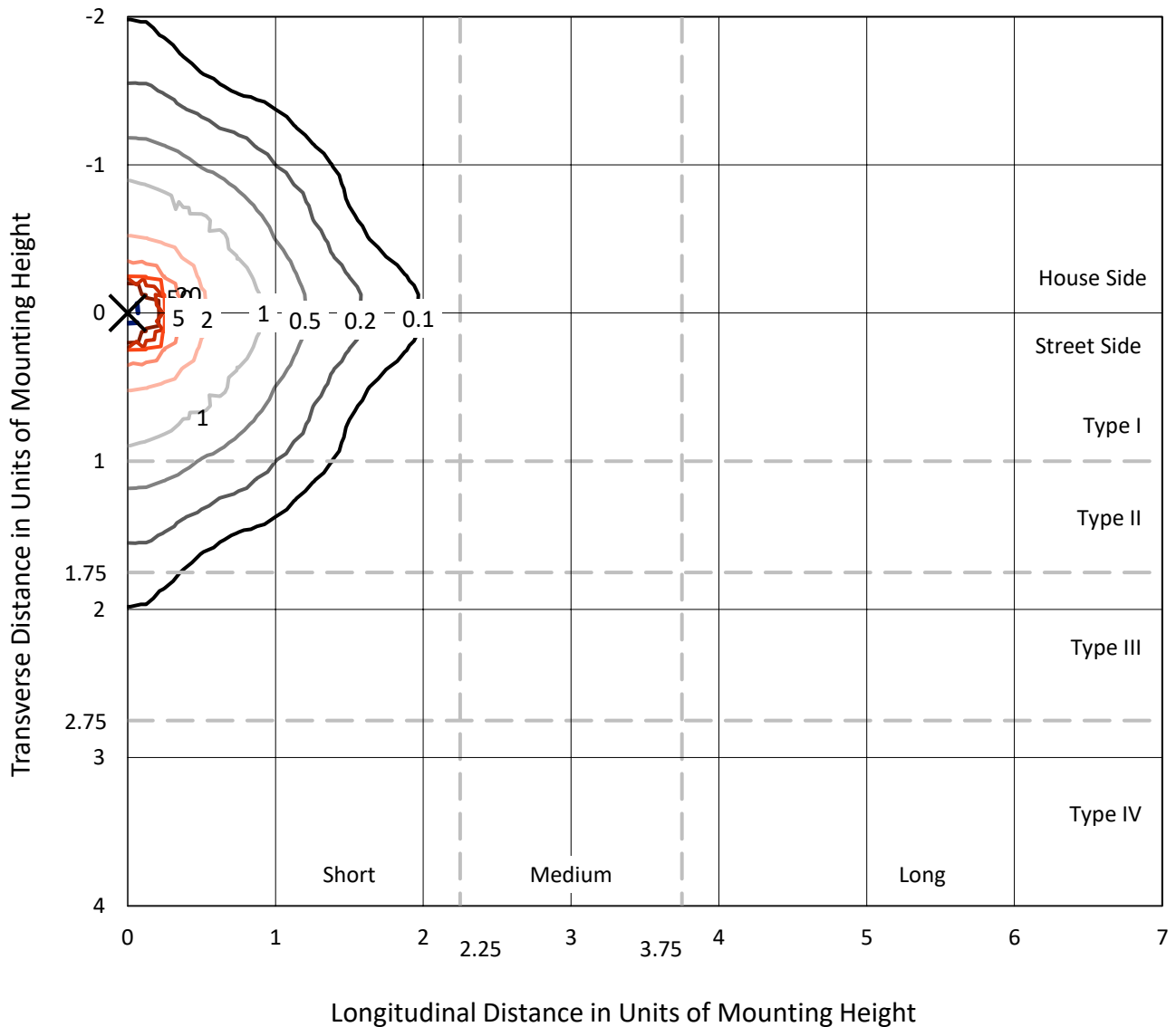
Lumens per Lamp: N/A
Luminaire Lumens: 4171.2 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 82.4
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

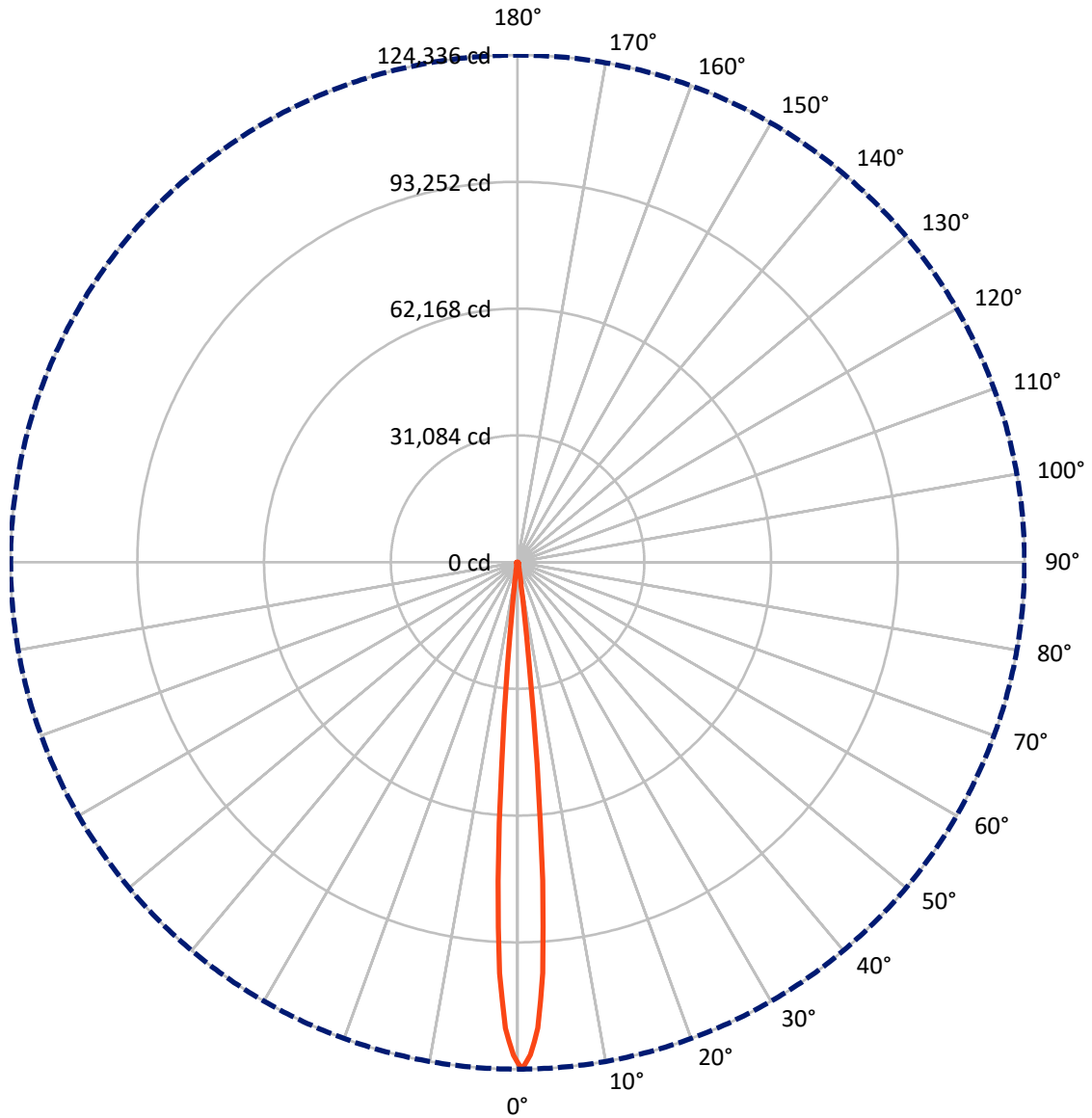
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1243.4 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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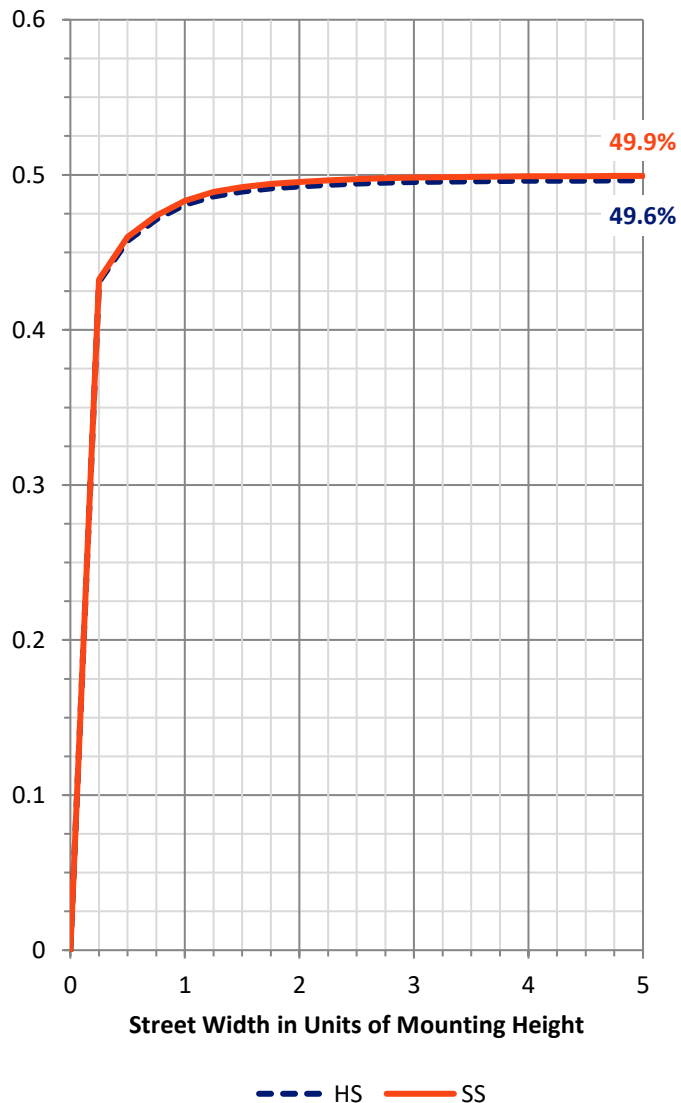
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.6	0.0	2085.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2085.6	0.0	2085.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4171.2	0.0	4171.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3203.5	76.8
10°-20°	312.5	7.5
20°-30°	166.9	4.0
30°-40°	137.7	3.3
40°-50°	153.3	3.7
50°-60°	103.1	2.5
60°-70°	65.8	1.6
70°-80°	26.0	0.6
80°-90°	2.6	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°	4171.2	100.0
0°-180°	4171.2	100.0

Coefficient of Utilization



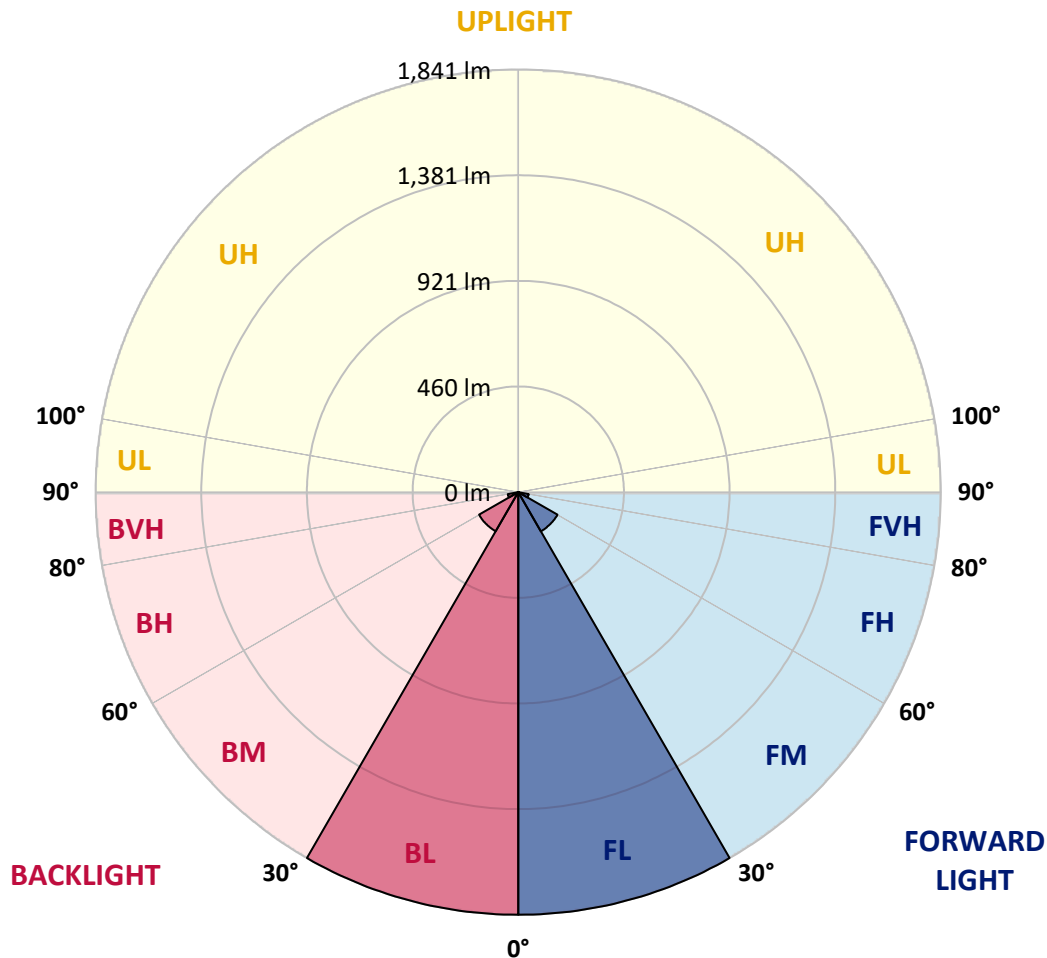
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1841.4	44.1			
FM (30°-60°)	197.0	4.7			
FH (60°-80°)	45.9	1.1			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	1841.4	44.1	B3/2500		
BM (30°-60°)	197.0	4.7	B0/220		
BH (60°-80°)	45.9	1.1	B0/110		G0/660
BVH (80°-90°)	1.3	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°	124336.1	124336.1	124336.1	124336.1	124336.1	124336.1	124336.1	124336.1	124336.1	124336.1
1°	120880.4	121090.6	121128.6	120878.2	120240.0	120390.6	120371.1	120404.7	120341.9	119943.1
2°	114335.4	114646.4	114319.1	113616.9	112162.7	111816.0	110657.6	109364.8	107988.7	106609.2
3°	100975.5	101630.0	101163.0	101912.8	98963.2	98665.2	96229.3	93017.4	89762.3	87124.7
4°	78290.0	79499.4	79659.7	82134.7	79711.7	80469.2	77686.5	73224.1	68354.4	64628.9
5°	49903.7	51589.8	52541.2	54862.3	55978.4	58884.7	57529.1	53050.5	47423.3	43137.6
6°	25214.6	26132.4	28688.7	31240.6	34090.5	37947.1	38469.4	34538.0	30059.5	25946.1
7°	11754.0	12133.2	13936.4	14480.3	17738.8	21922.6	22507.7	20352.4	17990.2	14802.2
8°	6073.7	6221.0	6879.9	7284.1	9184.7	11591.4	12002.1	10645.4	9678.8	8075.1
9°	3740.6	3805.7	4052.7	4143.7	4854.6	5925.2	6070.4	5502.6	5240.4	4686.6
10°	2594.2	2628.8	2744.8	2768.6	3005.9	3358.1	3371.1	3184.7	3189.1	3050.4
12.5°	1382.7	1393.5	1426.0	1429.3	1474.8	1511.6	1503.0	1504.1	1522.5	1504.1
15°	884.2	889.6	909.2	913.5	937.3	950.3	943.8	942.7	949.2	937.3
17.5°	630.7	633.9	648.0	659.9	675.1	679.4	677.3	675.1	675.1	664.3
20°	492.0	496.3	506.0	518.0	525.6	533.1	534.2	533.1	529.9	524.5
22.5°	418.3	420.4	423.7	429.1	434.5	437.8	439.9	441.0	439.9	437.8
25°	364.1	366.3	372.8	376.0	376.0	377.1	381.4	383.6	384.7	380.3
27.5°	268.7	274.2	283.9	289.3	289.3	291.5	294.7	299.1	303.4	295.8
30°	208.1	212.4	223.2	223.2	222.1	224.3	227.6	234.1	240.6	231.9
32.5°	187.5	187.5	189.6	190.7	190.7	194.0	196.1	201.6	207.0	204.8
35°	196.1	190.7	184.2	184.2	186.4	192.9	194.0	199.4	204.8	212.4
37.5°	285.0	268.7	244.9	240.6	240.6	248.1	244.9	248.1	257.9	286.1
40°	259.0	246.0	231.9	212.4	212.4	223.2	215.6	220.0	242.7	260.1
42.5°	230.8	230.8	215.6	197.2	197.2	202.6	200.5	202.6	228.6	242.7
45°	213.5	213.5	209.1	179.9	184.2	187.5	187.5	187.5	222.1	226.5
47.5°	203.7	203.7	192.9	165.8	171.2	172.3	174.5	172.3	199.4	214.6
50°	182.0	184.2	165.8	146.3	152.8	152.8	156.0	151.7	172.3	197.2
52.5°	157.1	159.3	131.1	115.9	123.5	122.4	126.8	120.3	136.5	171.2
55°	139.8	138.7	108.4	94.3	102.9	101.9	104.0	96.4	110.5	147.4
57.5°	121.4	123.5	88.9	76.9	86.7	84.5	87.8	79.1	91.0	131.1
60°	107.3	110.5	75.9	65.0	74.8	72.6	75.9	66.1	78.0	118.1
62.5°	102.9	102.9	67.2	55.3	65.0	62.8	65.0	55.3	69.4	108.4
65°	122.4	115.9	60.7	45.5	55.3	53.1	55.3	45.5	60.7	104.0
67.5°	162.5	155.0	57.4	35.8	44.4	41.2	44.4	36.8	53.1	97.5
70°	84.5	89.9	57.4	28.2	33.6	33.6	32.5	28.2	44.4	71.5
72.5°	48.8	49.8	44.4	21.7	26.0	28.2	24.9	21.7	32.5	53.1
75°	27.1	30.3	28.2	16.3	19.5	21.7	18.4	16.3	22.8	37.9
77.5°	16.3	18.4	16.3	10.8	13.0	11.9	13.0	10.8	15.2	24.9
80°	8.7	8.7	8.7	6.5	6.5	7.6	7.6	6.5	8.7	13.0
82.5°	3.3	3.3	3.3	2.2	3.3	3.3	3.3	4.3	4.3	5.4
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
124336.1
120336.4
107403.5
88124.9
65492.6
43687.0
26253.8
15187.9
8292.9
4806.9
3114.3
1524.6
946.0
667.5
525.6
438.9
380.3
294.7
229.7
204.8
216.7
300.2
276.3
243.8
225.4
211.3
195.1
166.9
145.2
127.9
114.9
107.3
104.0
96.4
70.4
52.0
33.6
18.4
10.8
5.4
1.1
1.1
0.0

OF REPORT)