

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: P525317

Luminaire Tested: **IFLD-S-SA3D-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525317
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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

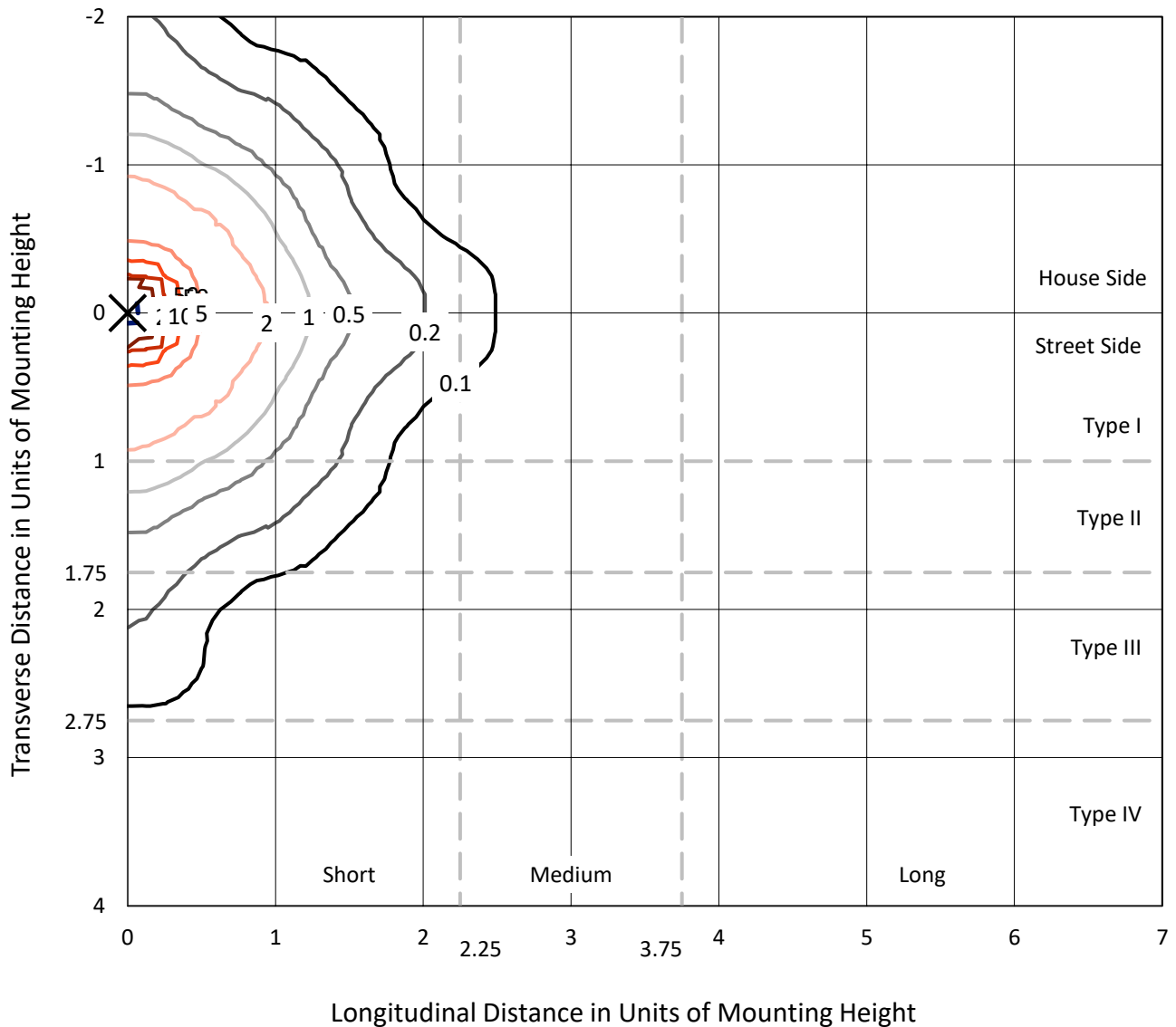
Lumens per Lamp: N/A
Luminaire Lumens: 8930.6 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 184.1
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

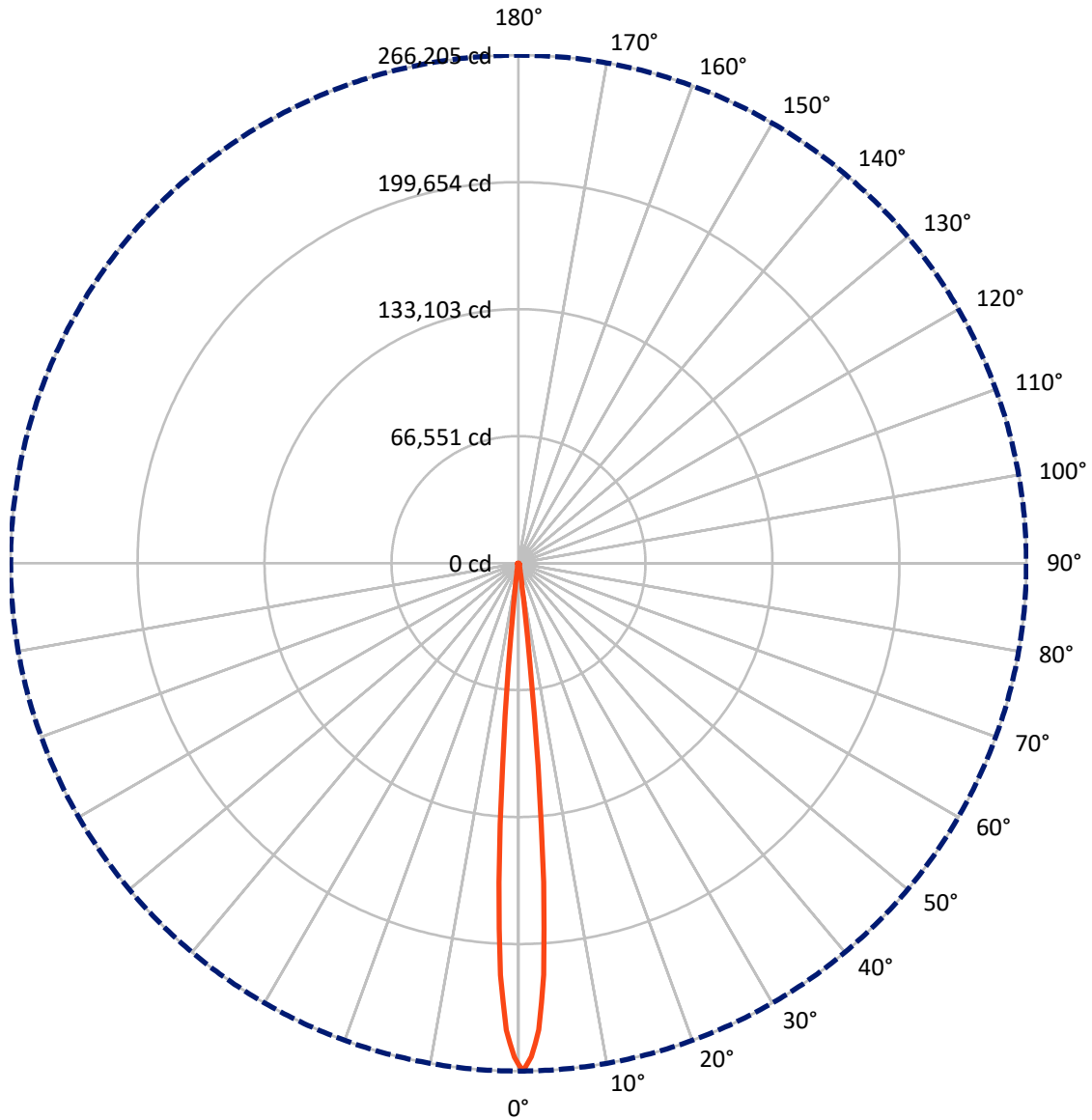
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2662.1 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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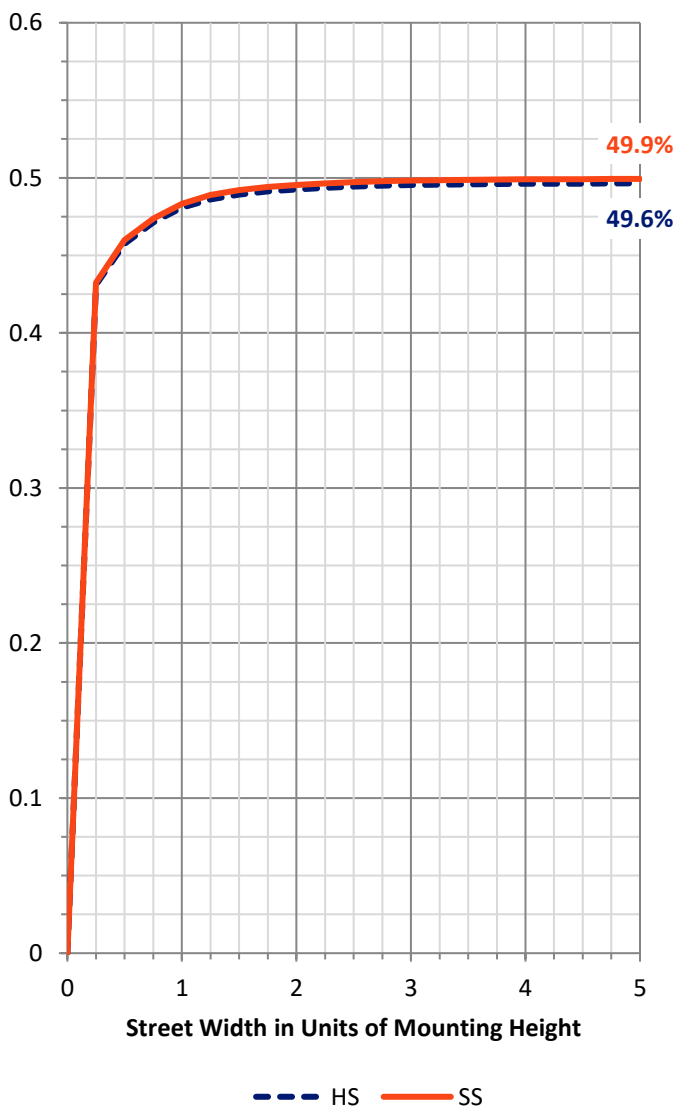
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4465.3	0.0	4465.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4465.3	0.0	4465.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8930.6	0.0	8930.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6858.7	76.8
10°-20°	669.0	7.5
20°-30°	357.4	4.0
30°-40°	294.8	3.3
40°-50°	328.2	3.7
50°-60°	220.7	2.5
60°-70°	140.8	1.6
70°-80°	55.6	0.6
80°-90°	5.4	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°	8930.6	100.0
0°-180°	8930.6	100.0

Coefficient of Utilization

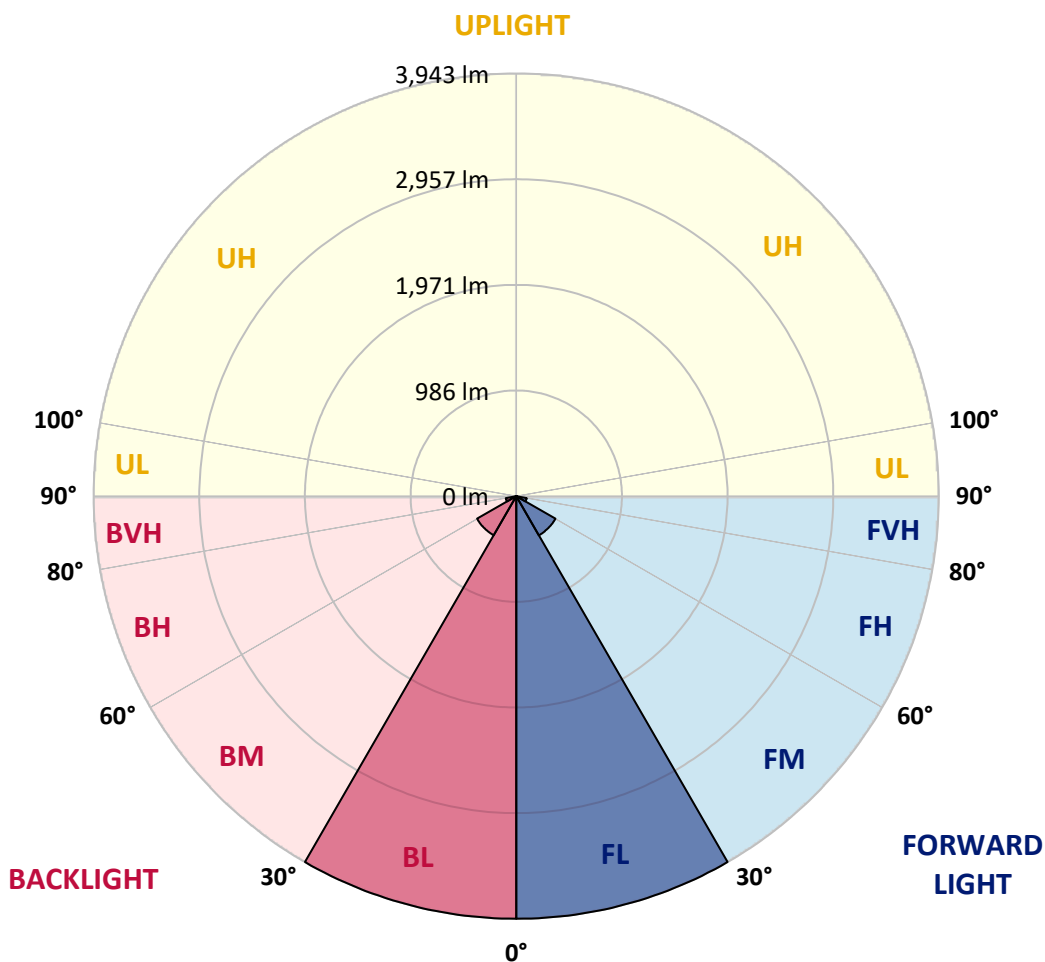


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3942.5	44.1			
FM (30°-60°)	421.8	4.7			
FH (60°-80°)	98.2	1.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	3942.5	44.1	B4/5000		
BM (30°-60°)	421.8	4.7	B1/1000		
BH (60°-80°)	98.2	1.1	B0/110		G0/660
BVH (80°-90°)	2.7	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°	266205.4	266205.4	266205.4	266205.4	266205.4	266205.4	266205.4	266205.4	266205.4	266205.4
1°	258806.8	259256.9	259338.1	258802.2	257435.7	257758.2	257716.4	257788.4	257653.8	256800.0
2°	244793.8	245459.7	244759.0	243255.7	240142.2	239399.8	236919.6	234151.8	231205.4	228252.0
3°	216190.1	217591.4	216591.5	218197.0	211881.8	211243.8	206028.4	199151.8	192182.4	186535.4
4°	167620.2	170209.4	170552.7	175851.7	170664.1	172285.8	166327.9	156774.0	146347.8	138371.5
5°	106844.6	110454.5	112491.5	117461.0	119850.7	126073.0	123170.7	113581.9	101534.0	92358.3
6°	53984.9	55950.0	61422.9	66886.6	72988.3	81245.3	82363.6	73946.5	64357.8	55550.9
7°	25165.4	25977.4	29838.0	31002.6	37979.0	46936.6	48189.4	43574.9	38517.2	31691.7
8°	13003.8	13319.3	14729.9	15595.3	19664.6	24817.4	25696.7	22792.0	20722.6	17288.9
9°	8008.8	8148.0	8676.9	8871.8	10393.8	12686.0	12996.8	11781.1	11219.7	10034.2
10°	5554.2	5628.4	5876.6	5927.7	6435.8	7189.8	7217.6	6818.6	6827.9	6530.9
12.5°	2960.4	2983.6	3053.2	3060.1	3157.6	3236.4	3217.9	3220.2	3259.6	3220.2
15°	1893.1	1904.7	1946.5	1955.8	2006.8	2034.7	2020.8	2018.4	2032.4	2006.8
17.5°	1350.3	1357.2	1387.4	1412.9	1445.4	1454.7	1450.0	1445.4	1445.4	1422.2
20°	1053.3	1062.6	1083.5	1109.0	1125.2	1141.5	1143.8	1141.5	1134.5	1122.9
22.5°	895.5	900.2	907.1	918.7	930.3	937.3	941.9	944.3	941.9	937.3
25°	779.5	784.2	798.1	805.1	805.1	807.4	816.7	821.3	823.6	814.3
27.5°	575.4	587.0	607.8	619.4	619.4	624.1	631.0	640.3	649.6	633.4
30°	445.4	454.7	477.9	477.9	475.6	480.2	487.2	501.1	515.0	496.5
32.5°	401.4	401.4	406.0	408.3	408.3	415.3	419.9	431.5	443.1	438.5
35°	419.9	408.3	394.4	394.4	399.0	413.0	415.3	426.9	438.5	454.7
37.5°	610.2	575.4	524.3	515.0	515.0	531.3	524.3	531.3	552.2	612.5
40°	554.5	526.6	496.5	454.7	454.7	477.9	461.7	471.0	519.7	556.8
42.5°	494.2	494.2	461.7	422.2	422.2	433.8	429.2	433.8	489.5	519.7
45°	457.0	457.0	447.8	385.1	394.4	401.4	401.4	401.4	475.6	484.9
47.5°	436.2	436.2	413.0	355.0	366.6	368.9	373.5	368.9	426.9	459.4
50°	389.8	394.4	355.0	313.2	327.1	327.1	334.1	324.8	368.9	422.2
52.5°	336.4	341.0	280.7	248.2	264.5	262.2	271.4	257.5	292.3	366.6
55°	299.3	297.0	232.0	201.8	220.4	218.1	222.7	206.5	236.6	315.5
57.5°	259.8	264.5	190.2	164.7	185.6	181.0	187.9	169.4	194.9	280.7
60°	229.7	236.6	162.4	139.2	160.1	155.4	162.4	141.5	167.0	252.9
62.5°	220.4	220.4	143.8	118.3	139.2	134.6	139.2	118.3	148.5	232.0
65°	262.2	248.2	129.9	97.4	118.3	113.7	118.3	97.4	129.9	222.7
67.5°	348.0	331.8	123.0	76.6	95.1	88.2	95.1	78.9	113.7	208.8
70°	181.0	192.6	123.0	60.3	71.9	71.9	69.6	60.3	95.1	153.1
72.5°	104.4	106.7	95.1	46.4	55.7	60.3	53.4	46.4	69.6	113.7
75°	58.0	65.0	60.3	34.8	41.8	46.4	39.4	34.8	48.7	81.2
77.5°	34.8	39.4	34.8	23.2	27.8	25.5	27.8	23.2	32.5	53.4
80°	18.6	18.6	18.6	13.9	13.9	16.2	16.2	13.9	18.6	27.8
82.5°	7.0	7.0	7.0	4.6	7.0	7.0	7.0	9.3	9.3	11.6
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
266205.4
257642.2
229952.6
188676.8
140220.6
93534.5
56209.8
32517.6
17755.2
10291.7
6667.8
3264.3
2025.4
1429.1
1125.2
939.6
814.3
631.0
491.8
438.5
464.0
642.6
591.6
522.0
482.6
452.4
417.6
357.3
310.9
273.8
245.9
229.7
222.7
206.5
150.8
111.4
71.9
39.4
23.2
11.6
2.3
2.3
0.0

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