

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: P525239

Luminaire Tested: **IFLD-S-SA3D-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525239
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

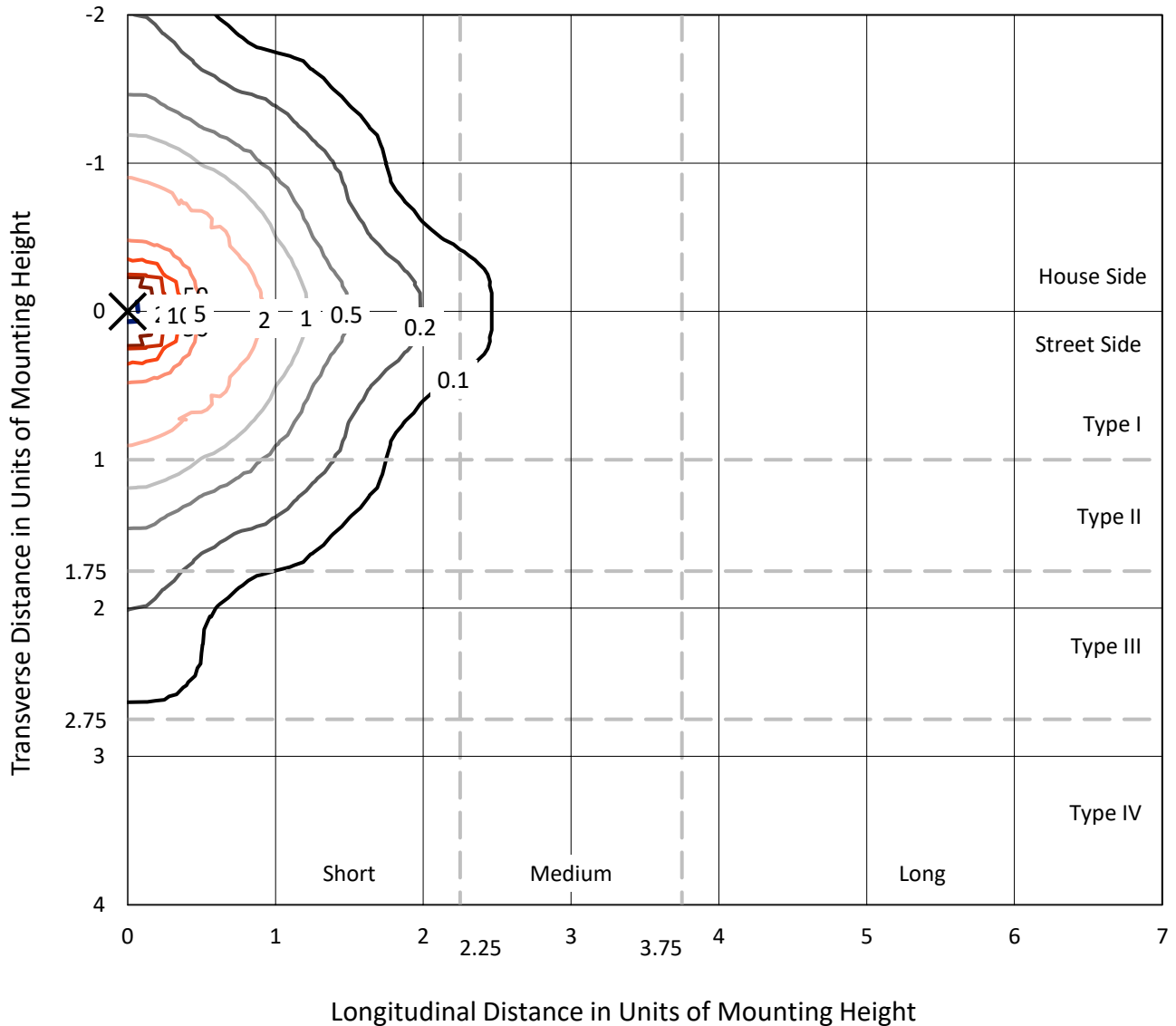
Lumens per Lamp: N/A
Luminaire Lumens: 8514.6 lumens
Efficiency: N/A
Efficacy: 46.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

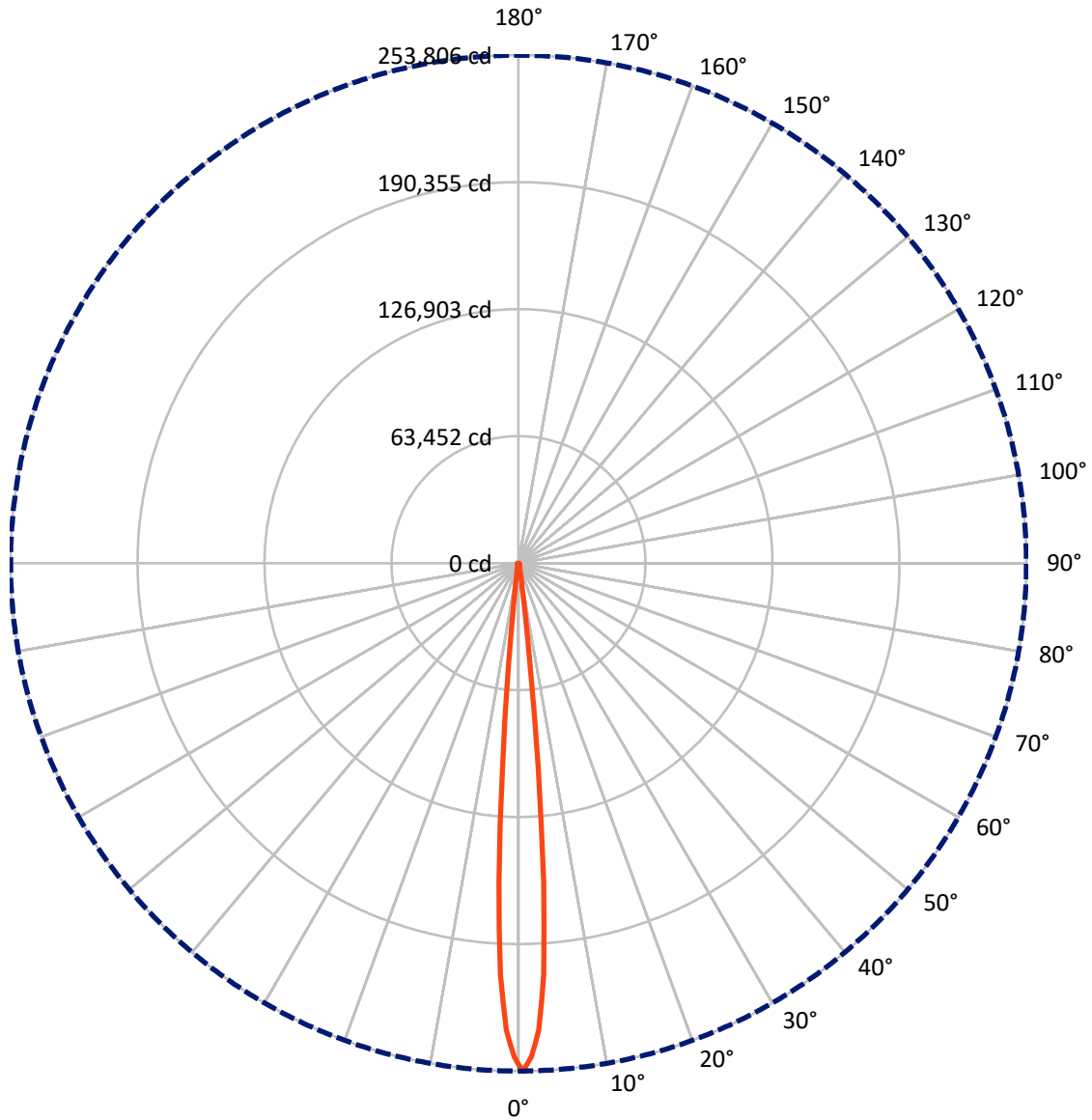
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2538.1 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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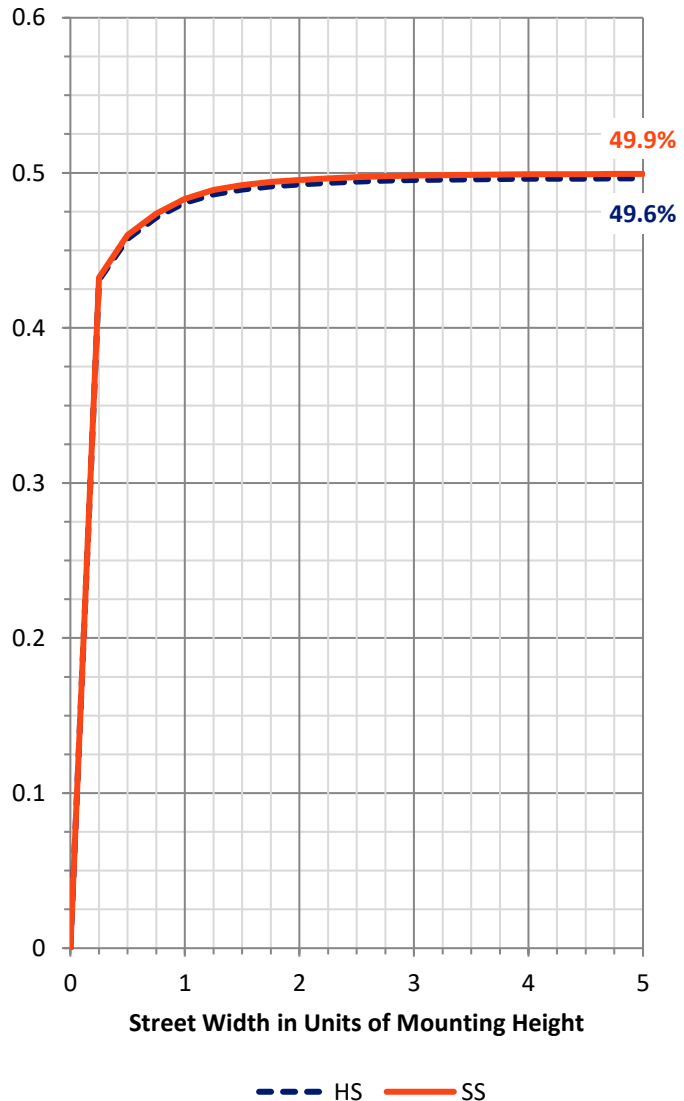
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4257.3	0.0	4257.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4257.3	0.0	4257.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8514.6	0.0	8514.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6539.2	76.8
10°-20°	637.8	7.5
20°-30°	340.7	4.0
30°-40°	281.0	3.3
40°-50°	312.9	3.7
50°-60°	210.4	2.5
60°-70°	134.3	1.6
70°-80°	53.0	0.6
80°-90°	5.2	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°	8514.6	100.0
0°-180°	8514.6	100.0

Coefficient of Utilization



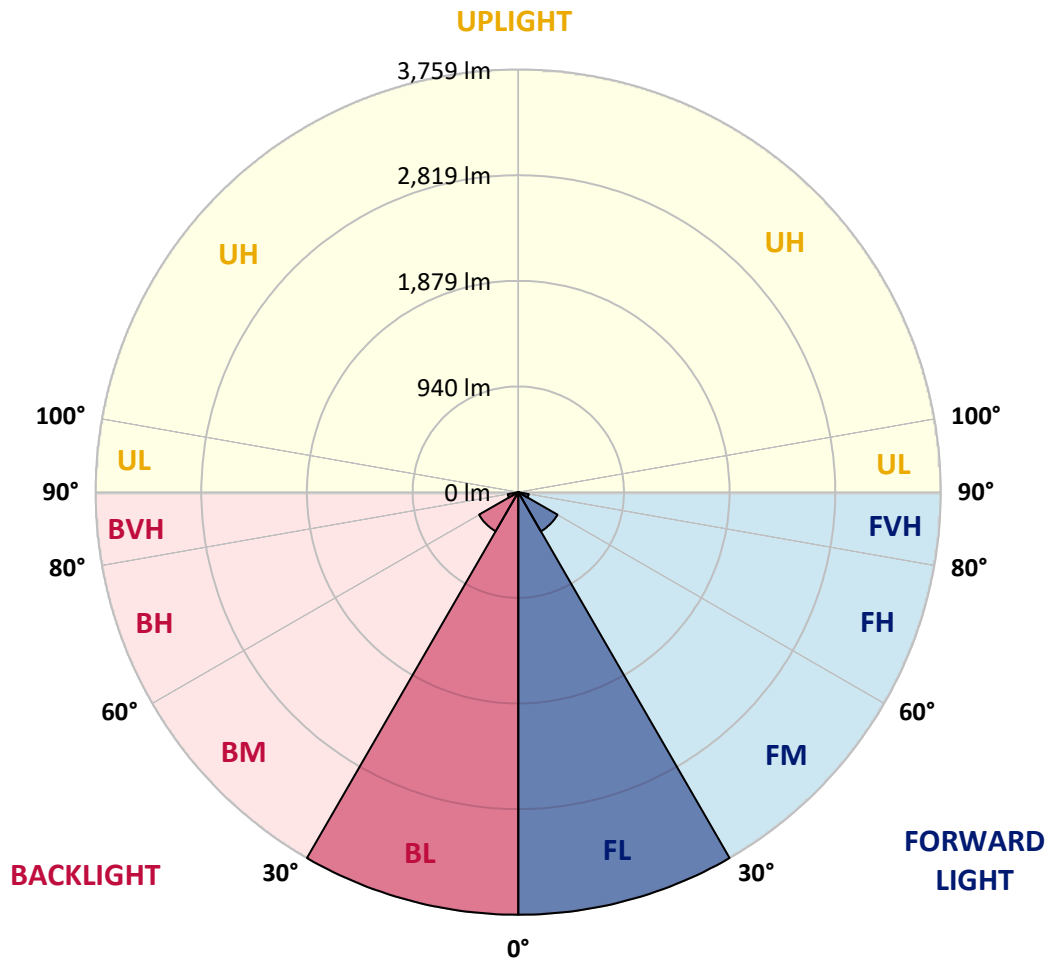
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3758.9	44.1			
FM (30°-60°)	402.2	4.7			
FH (60°-80°)	93.6	1.1			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	3758.9	44.1	B4/5000		
BM (30°-60°)	402.2	4.7	B1/1000		
BH (60°-80°)	93.6	1.1	B0/110		G0/660
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	253806.3	253806.3	253806.3	253806.3	253806.3	253806.3	253806.3	253806.3	253806.3	253806.3
1°	246752.3	247181.4	247258.8	246747.9	245445.0	245752.5	245712.7	245781.2	245652.9	244838.9
2°	233392.0	234026.8	233358.8	231925.4	228957.0	228249.1	225884.5	223245.6	220436.4	217620.6
3°	206120.5	207456.6	206503.2	208033.9	202012.9	201404.6	196432.1	189875.8	183231.0	177847.1
4°	159812.9	162281.4	162608.8	167661.0	162715.0	164261.2	158580.8	149471.9	139531.3	131926.5
5°	101868.0	105309.9	107252.0	111990.0	114268.3	120200.9	117433.7	108291.6	96804.8	88056.5
6°	51470.4	53344.0	58562.0	63771.2	69588.7	77461.1	78527.3	70502.2	61360.1	52963.5
7°	23993.3	24767.5	28448.2	29558.6	36210.0	44750.4	45944.9	41545.3	36723.2	30215.6
8°	12398.1	12698.9	14043.8	14868.9	18748.7	23661.5	24499.8	21730.4	19757.3	16483.6
9°	7635.7	7768.5	8272.8	8458.6	9909.6	12095.1	12391.5	11232.4	10697.1	9566.8
10°	5295.5	5366.2	5602.9	5651.6	6136.0	6854.9	6881.4	6501.0	6509.8	6226.7
12.5°	2822.5	2844.6	2911.0	2917.6	3010.5	3085.7	3068.0	3070.2	3107.8	3070.2
15°	1805.0	1816.0	1855.8	1864.7	1913.4	1939.9	1926.6	1924.4	1937.7	1913.4
17.5°	1287.4	1294.0	1322.8	1347.1	1378.1	1386.9	1382.5	1378.1	1378.1	1355.9
20°	1004.2	1013.1	1033.0	1057.3	1072.8	1088.3	1090.5	1088.3	1081.7	1070.6
22.5°	853.8	858.2	864.9	875.9	887.0	893.6	898.1	900.3	898.1	893.6
25°	743.2	747.6	760.9	767.6	767.6	769.8	778.6	783.0	785.3	776.4
27.5°	548.6	559.6	579.5	590.6	590.6	595.0	601.7	610.5	619.4	603.9
30°	424.7	433.5	455.7	455.7	453.5	457.9	464.5	477.8	491.1	473.4
32.5°	382.7	382.7	387.1	389.3	389.3	395.9	400.4	411.4	422.5	418.1
35°	400.4	389.3	376.0	376.0	380.5	393.7	395.9	407.0	418.1	433.5
37.5°	581.7	548.6	499.9	491.1	491.1	506.5	499.9	506.5	526.4	584.0
40°	528.7	502.1	473.4	433.5	433.5	455.7	440.2	449.0	495.5	530.9
42.5°	471.2	471.2	440.2	402.6	402.6	413.6	409.2	413.6	466.7	495.5
45°	435.8	435.8	426.9	367.2	376.0	382.7	382.7	382.7	453.5	462.3
47.5°	415.9	415.9	393.7	338.4	349.5	351.7	356.1	351.7	407.0	438.0
50°	371.6	376.0	338.4	298.6	311.9	311.9	318.5	309.7	351.7	402.6
52.5°	320.7	325.2	267.6	236.7	252.2	250.0	258.8	245.5	278.7	349.5
55°	285.3	283.1	221.2	192.4	210.1	207.9	212.3	196.9	225.6	300.8
57.5°	247.7	252.2	181.4	157.1	177.0	172.5	179.2	161.5	185.8	267.6
60°	219.0	225.6	154.8	132.7	152.6	148.2	154.8	134.9	159.3	241.1
62.5°	210.1	210.1	137.1	112.8	132.7	128.3	132.7	112.8	141.6	221.2
65°	250.0	236.7	123.9	92.9	112.8	108.4	112.8	92.9	123.9	212.3
67.5°	331.8	316.3	117.2	73.0	90.7	84.1	90.7	75.2	108.4	199.1
70°	172.5	183.6	117.2	57.5	68.6	68.6	66.4	57.5	90.7	146.0
72.5°	99.5	101.8	90.7	44.2	53.1	57.5	50.9	44.2	66.4	108.4
75°	55.3	61.9	57.5	33.2	39.8	44.2	37.6	33.2	46.5	77.4
77.5°	33.2	37.6	33.2	22.1	26.5	24.3	26.5	22.1	31.0	50.9
80°	17.7	17.7	17.7	13.3	13.3	15.5	15.5	13.3	17.7	26.5
82.5°	6.6	6.6	6.6	4.4	6.6	6.6	6.6	8.8	8.8	11.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
253806.3
245641.9
219242.0
179888.8
133689.5
89177.9
53591.7
31003.0
16928.2
9812.3
6357.2
3112.2
1931.1
1362.6
1072.8
895.8
776.4
601.7
468.9
418.1
442.4
612.7
564.1
497.7
460.1
431.3
398.2
340.6
296.4
261.0
234.5
219.0
212.3
196.9
143.8
106.2
68.6
37.6
22.1
11.1
2.2
2.2
0.0

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