

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: P525237

Luminaire Tested: **IFLD-S-SA3B-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525237
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-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

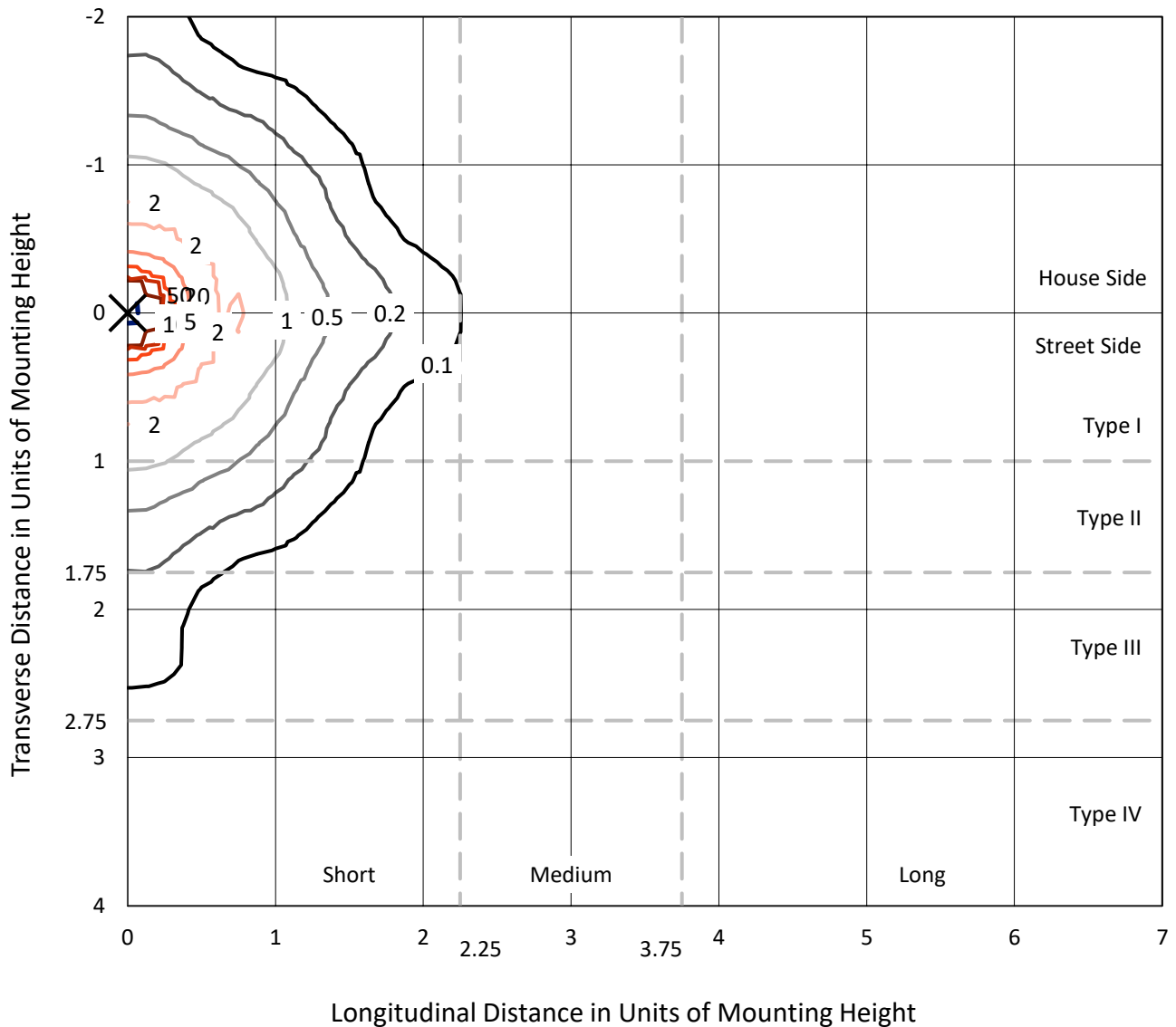
Lumens per Lamp: N/A
Luminaire Lumens: 6216.3 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

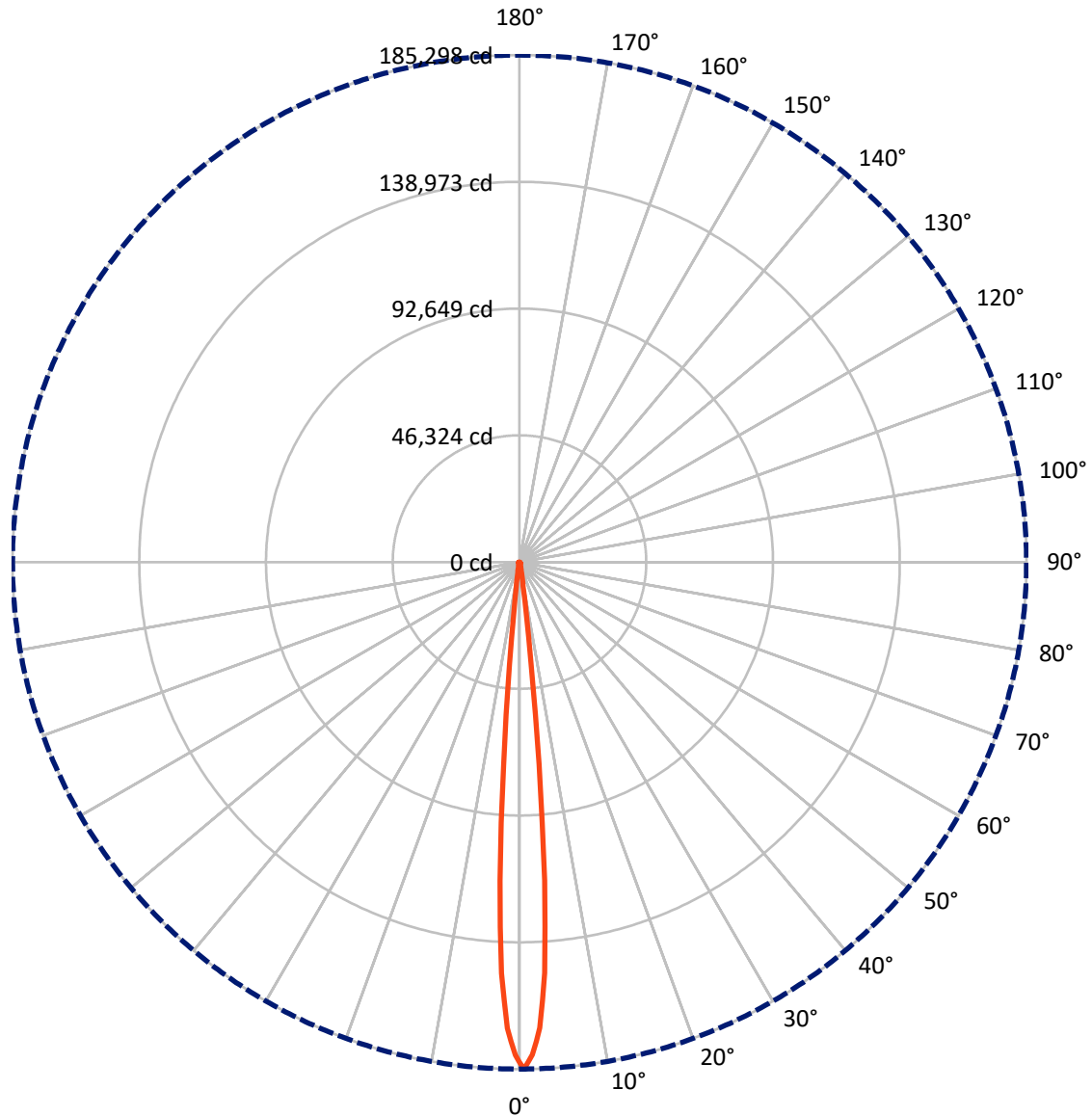
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1853 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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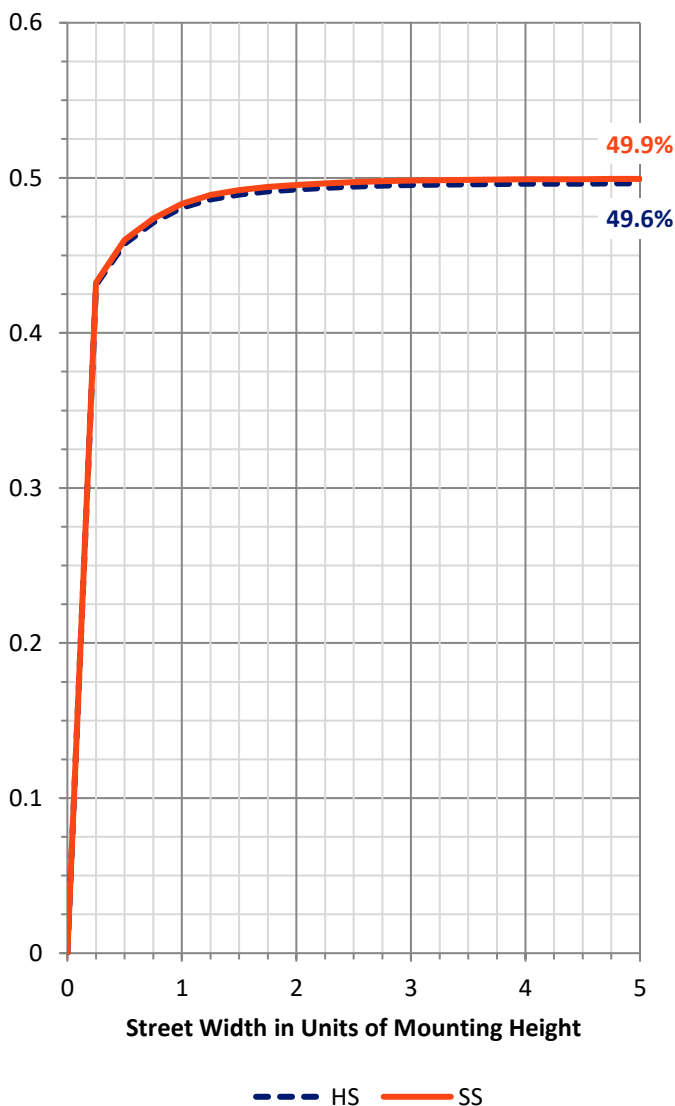
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3108.2	0.0	3108.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3108.2	0.0	3108.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6216.3	0.0	6216.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4774.1	76.8
10°-20°	465.6	7.5
20°-30°	248.8	4.0
30°-40°	205.2	3.3
40°-50°	228.5	3.7
50°-60°	153.6	2.5
60°-70°	98.0	1.6
70°-80°	38.7	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°	6216.3	100.0
0°-180°	6216.3	100.0

Coefficient of Utilization



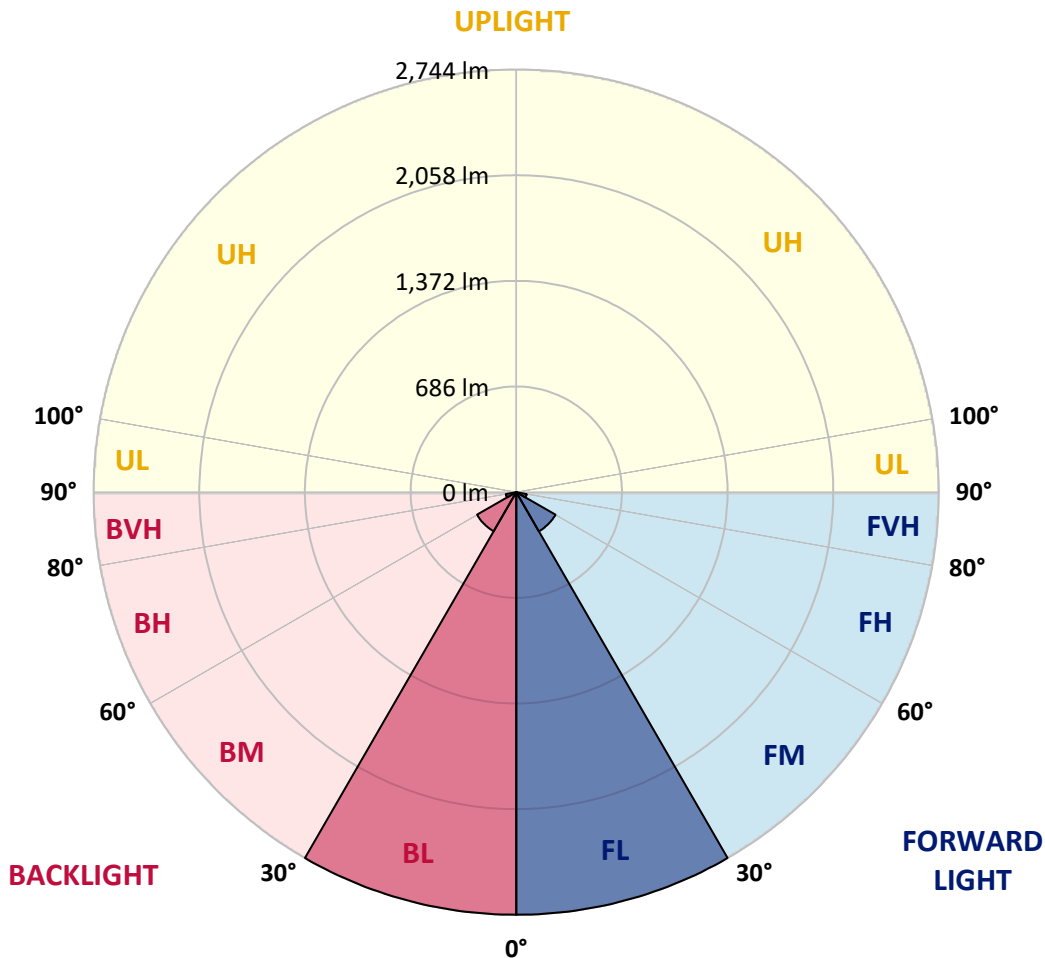
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2744.3	44.1			
FM (30°-60°)	293.6	4.7			
FH (60°-80°)	68.4	1.1			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	2744.3	44.1	B4/5000		
BM (30°-60°)	293.6	4.7	B1/1000		
BH (60°-80°)	68.4	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°	185297.6	185297.6	185297.6	185297.6	185297.6	185297.6	185297.6	185297.6	185297.6	185297.6
1°	180147.7	180461.0	180517.5	180144.4	179193.3	179417.7	179388.7	179438.7	179345.1	178750.8
2°	170393.6	170857.1	170369.4	169323.0	167155.7	166639.0	164912.6	162986.1	160935.1	158879.4
3°	150483.5	151458.9	150762.8	151880.3	147484.6	147040.5	143410.2	138623.6	133772.4	129841.7
4°	116675.4	118477.6	118716.6	122405.1	118794.1	119923.0	115775.9	109125.7	101868.3	96316.3
5°	74371.3	76884.1	78302.0	81761.1	83424.5	87755.6	85735.4	79061.0	70674.8	64287.8
6°	37577.3	38945.1	42754.7	46557.8	50805.0	56552.4	57330.8	51471.9	44797.5	38667.3
7°	17516.9	18082.1	20769.3	21580.0	26436.0	32671.2	33543.2	30331.2	26810.7	22059.6
8°	9051.6	9271.2	10253.0	10855.4	13687.9	17274.7	17886.7	15864.8	14424.3	12034.3
9°	5574.7	5671.6	6039.8	6175.4	7234.8	8830.3	9046.7	8200.5	7809.7	6984.5
10°	3866.1	3917.8	4090.6	4126.1	4479.8	5004.6	5024.0	4746.2	4752.7	4546.0
12.5°	2060.6	2076.8	2125.2	2130.1	2197.9	2252.8	2239.9	2241.5	2268.9	2241.5
15°	1317.8	1325.8	1354.9	1361.4	1396.9	1416.3	1406.6	1405.0	1414.7	1396.9
17.5°	939.9	944.7	965.7	983.5	1006.1	1012.5	1009.3	1006.1	1006.1	989.9
20°	733.2	739.6	754.2	771.9	783.2	794.5	796.1	794.5	789.7	781.6
22.5°	623.4	626.6	631.4	639.5	647.6	652.4	655.7	657.3	655.7	652.4
25°	542.6	545.8	555.5	560.4	560.4	562.0	568.4	571.7	573.3	566.8
27.5°	400.5	408.6	423.1	431.2	431.2	434.4	439.3	445.7	452.2	440.9
30°	310.1	316.5	332.7	332.7	331.1	334.3	339.1	348.8	358.5	345.6
32.5°	279.4	279.4	282.6	284.2	284.2	289.1	292.3	300.4	308.4	305.2
35°	292.3	284.2	274.5	274.5	277.8	287.5	289.1	297.1	305.2	316.5
37.5°	424.7	400.5	365.0	358.5	358.5	369.8	365.0	369.8	384.3	426.3
40°	386.0	366.6	345.6	316.5	316.5	332.7	321.4	327.8	361.7	387.6
42.5°	344.0	344.0	321.4	293.9	293.9	302.0	298.8	302.0	340.7	361.7
45°	318.1	318.1	311.7	268.1	274.5	279.4	279.4	279.4	331.1	337.5
47.5°	303.6	303.6	287.5	247.1	255.2	256.8	260.0	256.8	297.1	319.8
50°	271.3	274.5	247.1	218.0	227.7	227.7	232.5	226.1	256.8	293.9
52.5°	234.2	237.4	195.4	172.8	184.1	182.5	188.9	179.3	203.5	255.2
55°	208.3	206.7	161.5	140.5	153.4	151.8	155.0	143.7	164.7	219.6
57.5°	180.9	184.1	132.4	114.7	129.2	126.0	130.8	117.9	135.7	195.4
60°	159.9	164.7	113.0	96.9	111.4	108.2	113.0	98.5	116.3	176.0
62.5°	153.4	153.4	100.1	82.4	96.9	93.7	96.9	82.4	103.4	161.5
65°	182.5	172.8	90.4	67.8	82.4	79.1	82.4	67.8	90.4	155.0
67.5°	242.2	230.9	85.6	53.3	66.2	61.4	66.2	54.9	79.1	145.3
70°	126.0	134.0	85.6	42.0	50.1	50.1	48.4	42.0	66.2	106.6
72.5°	72.7	74.3	66.2	32.3	38.8	42.0	37.1	32.3	48.4	79.1
75°	40.4	45.2	42.0	24.2	29.1	32.3	27.5	24.2	33.9	56.5
77.5°	24.2	27.5	24.2	16.1	19.4	17.8	19.4	16.1	22.6	37.1
80°	12.9	12.9	12.9	9.7	9.7	11.3	11.3	9.7	12.9	19.4
82.5°	4.8	4.8	4.8	3.2	4.8	4.8	4.8	6.5	6.5	8.1
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°
185297.6
179337.0
160063.1
131332.3
97603.3
65106.6
39126.0
22634.5
12358.9
7163.7
4641.2
2272.2
1409.8
994.8
783.2
654.0
566.8
439.3
342.4
305.2
323.0
447.3
411.8
363.4
335.9
314.9
290.7
248.7
216.4
190.6
171.2
159.9
155.0
143.7
105.0
77.5
50.1
27.5
16.1
8.1
1.6
1.6
0.0

OF REPORT)