

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: P525260

Luminaire Tested: **IFLD-M-SA4E-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525260
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

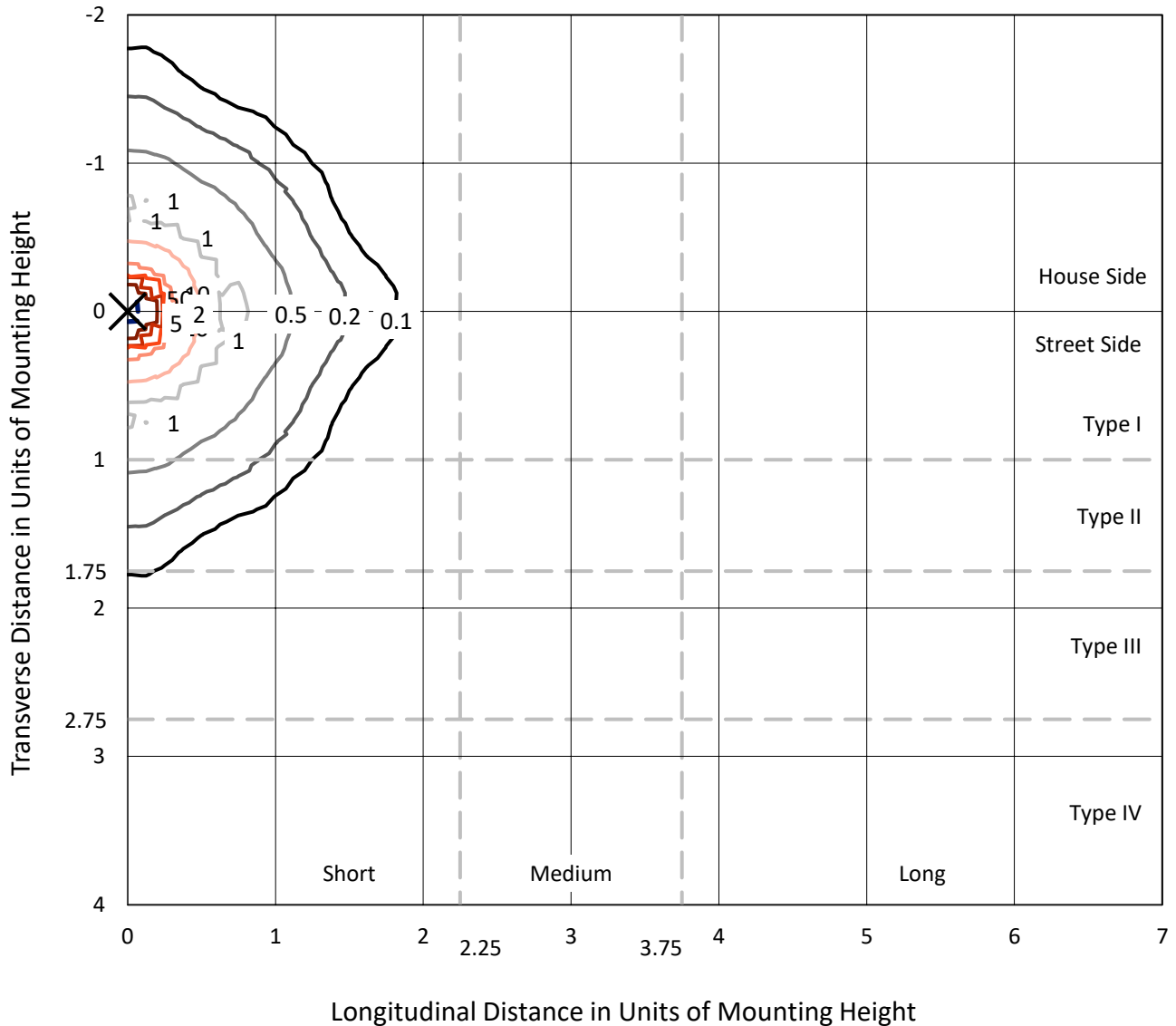
Lumens per Lamp: N/A
Luminaire Lumens: 13226.4 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 314.8
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

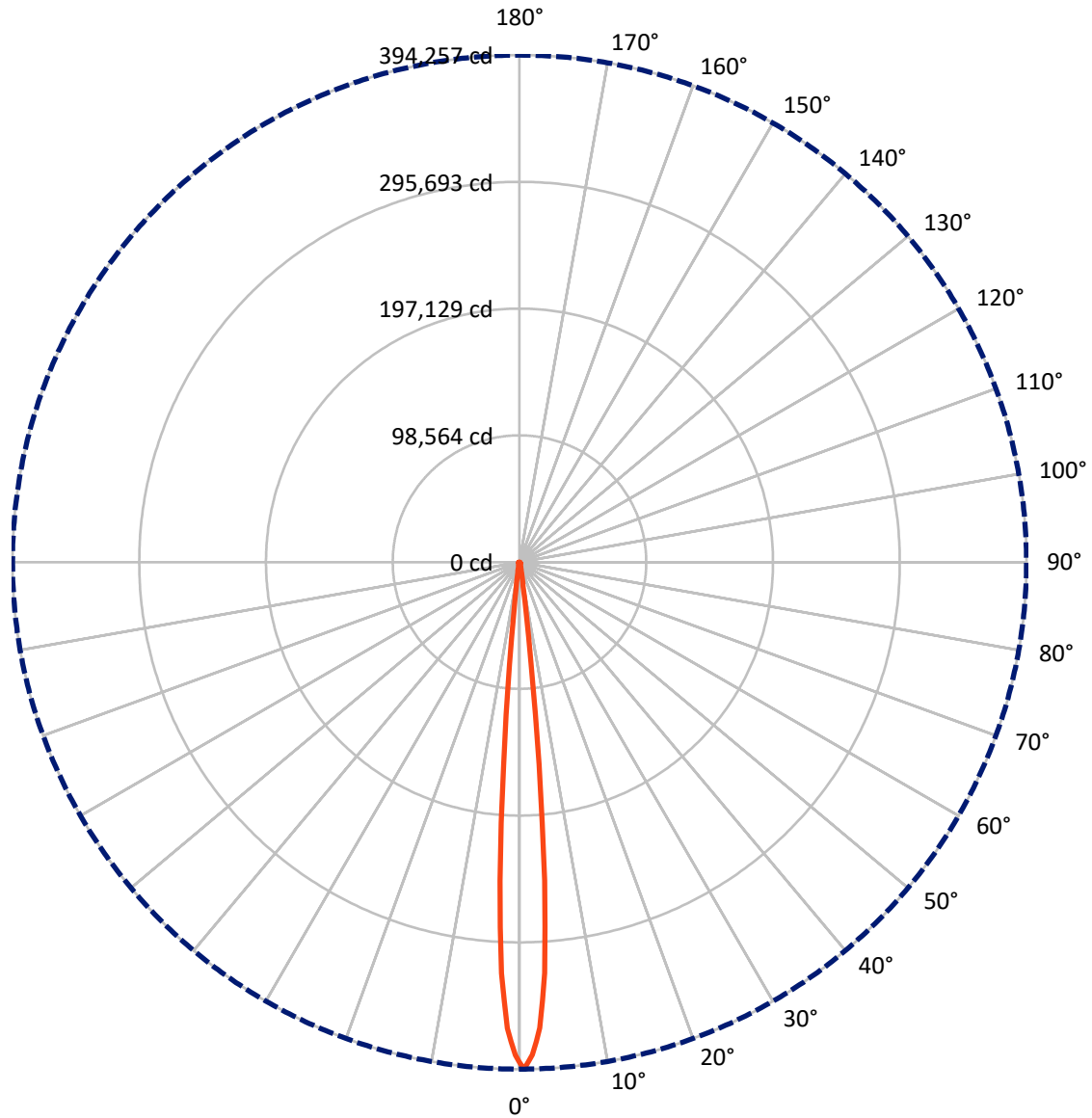
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 985.6 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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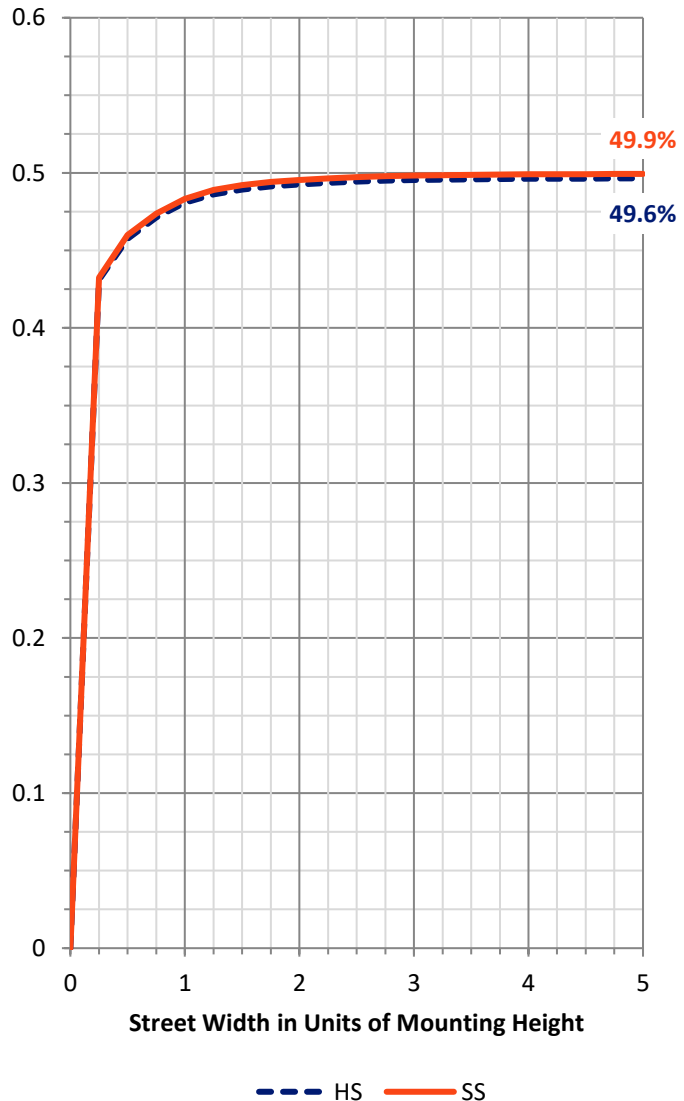
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6613.2	0.0	6613.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6613.2	0.0	6613.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13226.4	0.0	13226.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10157.8	76.8
10°-20°	990.8	7.5
20°-30°	529.3	4.0
30°-40°	436.5	3.3
40°-50°	486.1	3.7
50°-60°	326.9	2.5
60°-70°	208.6	1.6
70°-80°	82.3	0.6
80°-90°	8.0	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°	13226.4	100.0
0°-180°	13226.4	100.0

Coefficient of Utilization

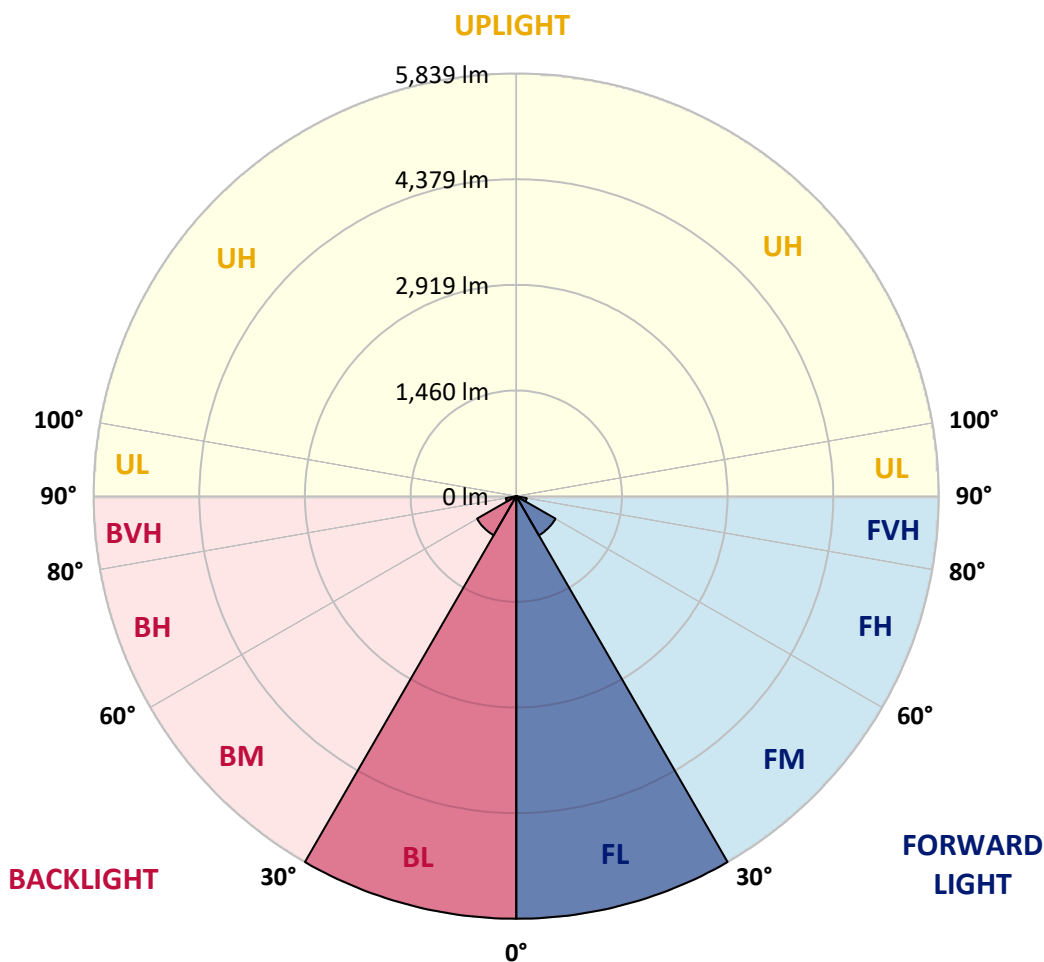


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5838.9	44.1			
FM (30°-60°)	624.8	4.7			
FH (60°-80°)	145.5	1.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	5838.9	44.1	B5		
BM (30°-60°)	624.8	4.7	B1/1000		
BH (60°-80°)	145.5	1.1	B1/500		G0/660
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	394257.0	394257.0	394257.0	394257.0	394257.0	394257.0	394257.0	394257.0	394257.0	394257.0
1°	383299.5	383966.1	384086.4	383292.6	381268.8	381746.4	381684.6	381791.1	381591.8	380327.3
2°	362545.9	363532.0	362494.3	360267.8	355656.6	354557.1	350884.0	346784.8	342421.1	338047.0
3°	320183.1	322258.4	320777.5	323155.2	313802.4	312857.5	305133.3	294948.9	284627.0	276263.7
4°	248249.8	252084.4	252592.9	260440.8	252757.8	255159.6	246335.9	232186.3	216744.8	204931.7
5°	158239.5	163586.0	166602.8	173962.8	177501.9	186717.3	182418.9	168217.7	150374.4	136784.9
6°	79953.0	82863.3	90968.9	99060.8	108097.5	120326.4	121982.5	109516.6	95315.5	82272.3
7°	37270.6	38473.2	44190.8	45915.7	56247.8	69514.3	71369.8	64535.5	57045.0	46936.2
8°	19259.0	19726.3	21815.4	23097.0	29123.8	36755.2	38057.5	33755.6	30690.6	25605.3
9°	11861.2	12067.3	12850.8	13139.4	15393.4	18788.2	19248.6	17448.2	16616.6	14860.8
10°	8225.9	8335.8	8703.5	8779.1	9531.5	10648.3	10689.5	10098.5	10112.2	9672.4
12.5°	4384.4	4418.7	4521.8	4532.1	4676.4	4793.3	4765.8	4769.2	4827.6	4769.2
15°	2803.8	2821.0	2882.8	2896.6	2972.2	3013.4	2992.8	2989.3	3010.0	2972.2
17.5°	1999.8	2010.1	2054.7	2092.5	2140.6	2154.4	2147.5	2140.6	2140.6	2106.3
20°	1560.0	1573.7	1604.6	1642.4	1666.5	1690.5	1694.0	1690.5	1680.2	1663.0
22.5°	1326.3	1333.2	1343.5	1360.7	1377.8	1388.2	1395.0	1398.5	1395.0	1388.2
25°	1154.5	1161.4	1182.0	1192.3	1192.3	1195.7	1209.5	1216.4	1219.8	1206.0
27.5°	852.1	869.3	900.2	917.4	917.4	924.3	934.6	948.3	962.1	938.0
30°	659.7	673.5	707.8	707.8	704.4	711.3	721.6	742.2	762.8	735.3
32.5°	594.4	594.4	601.3	604.7	604.7	615.0	621.9	639.1	656.3	649.4
35°	621.9	604.7	584.1	584.1	591.0	611.6	615.0	632.2	649.4	673.5
37.5°	903.7	852.1	776.5	762.8	762.8	786.9	776.5	786.9	817.8	907.1
40°	821.2	780.0	735.3	673.5	673.5	707.8	683.8	697.5	769.7	824.6
42.5°	731.9	731.9	683.8	625.4	625.4	642.5	635.7	642.5	725.0	769.7
45°	676.9	676.9	663.2	570.4	584.1	594.4	594.4	594.4	704.4	718.1
47.5°	646.0	646.0	611.6	525.7	542.9	546.3	553.2	546.3	632.2	680.3
50°	577.3	584.1	525.7	463.9	484.5	484.5	494.8	481.0	546.3	625.4
52.5°	498.2	505.1	415.8	367.7	391.7	388.3	402.0	381.4	432.9	542.9
55°	443.2	439.8	343.6	298.9	326.4	323.0	329.9	305.8	350.5	467.3
57.5°	384.8	391.7	281.8	244.0	274.9	268.0	278.3	250.8	288.6	415.8
60°	340.2	350.5	240.5	206.2	237.1	230.2	240.5	209.6	247.4	374.5
62.5°	326.4	326.4	213.0	175.2	206.2	199.3	206.2	175.2	219.9	343.6
65°	388.3	367.7	192.4	144.3	175.2	168.4	175.2	144.3	192.4	329.9
67.5°	515.4	491.4	182.1	113.4	140.9	130.6	140.9	116.8	168.4	309.2
70°	268.0	285.2	182.1	89.3	106.5	106.5	103.1	89.3	140.9	226.8
72.5°	154.6	158.1	140.9	68.7	82.5	89.3	79.0	68.7	103.1	168.4
75°	85.9	96.2	89.3	51.5	61.8	68.7	58.4	51.5	72.2	120.3
77.5°	51.5	58.4	51.5	34.4	41.2	37.8	41.2	34.4	48.1	79.0
80°	27.5	27.5	27.5	20.6	20.6	24.1	24.1	20.6	27.5	41.2
82.5°	10.3	10.3	10.3	6.9	10.3	10.3	10.3	13.7	13.7	17.2
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
394257.0
381574.6
340565.6
279435.2
207670.2
138527.0
83248.1
48159.4
26295.9
15242.2
9875.2
4834.5
2999.7
2116.6
1666.5
1391.6
1206.0
934.6
728.4
649.4
687.2
951.8
876.2
773.1
714.7
670.0
618.5
529.1
460.4
405.5
364.2
340.2
329.9
305.8
223.3
164.9
106.5
58.4
34.4
17.2
3.4
3.4
0.0

OF REPORT)