

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: P525302

Luminaire Tested: **IFLD-L-SA7C-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525302
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

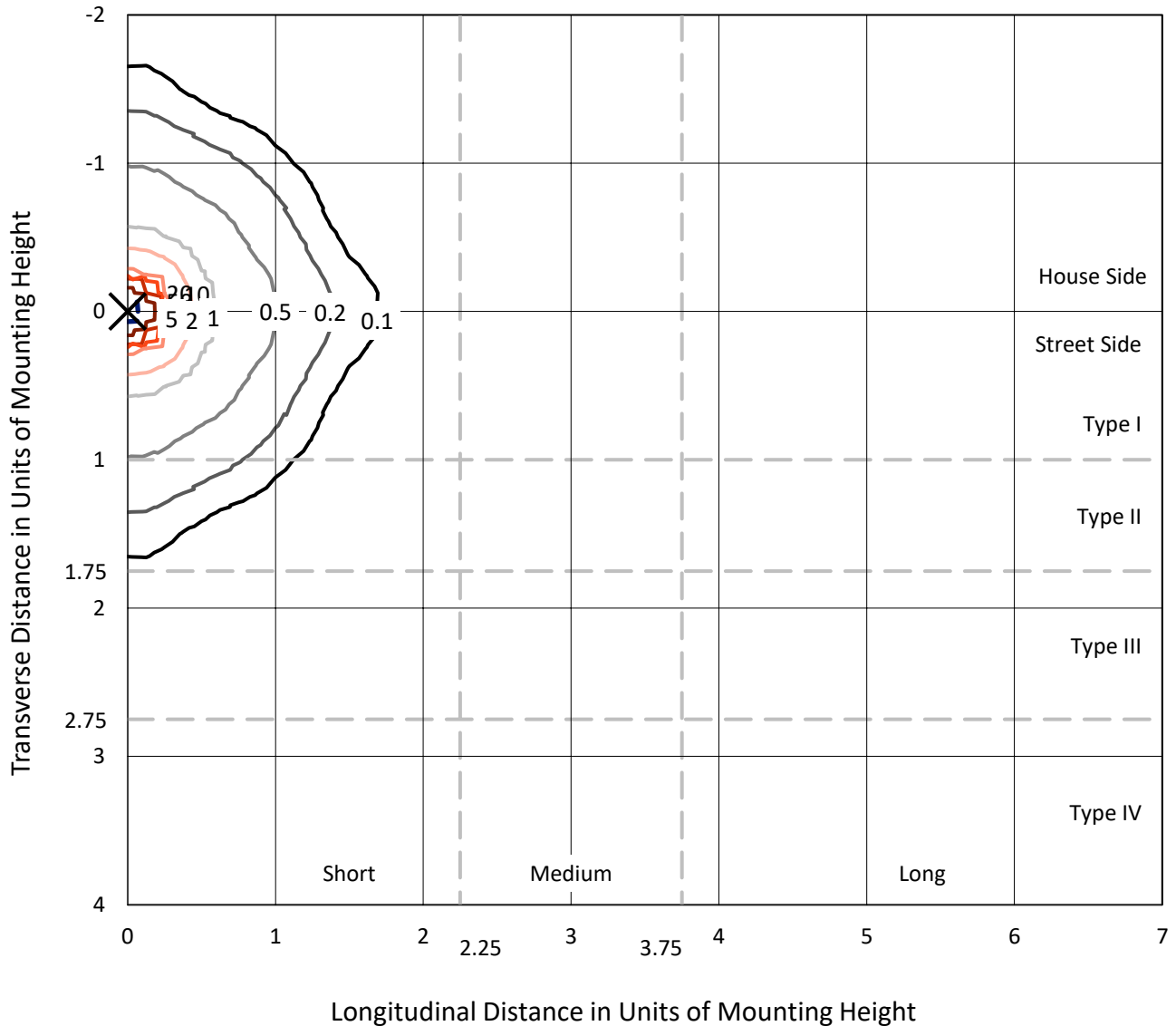
Lumens per Lamp: N/A
Luminaire Lumens: 16372.6 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 369
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

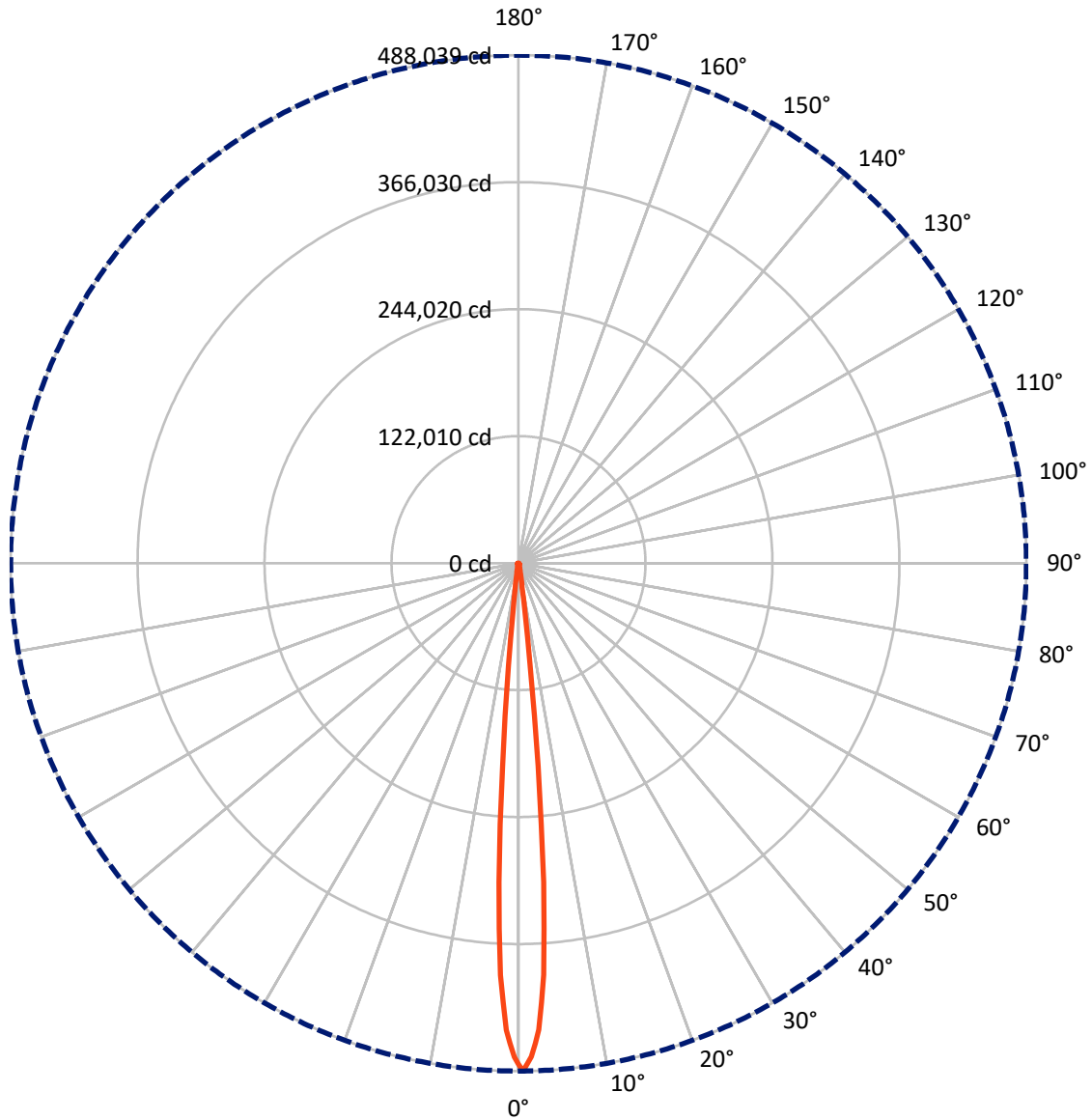
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 780.9 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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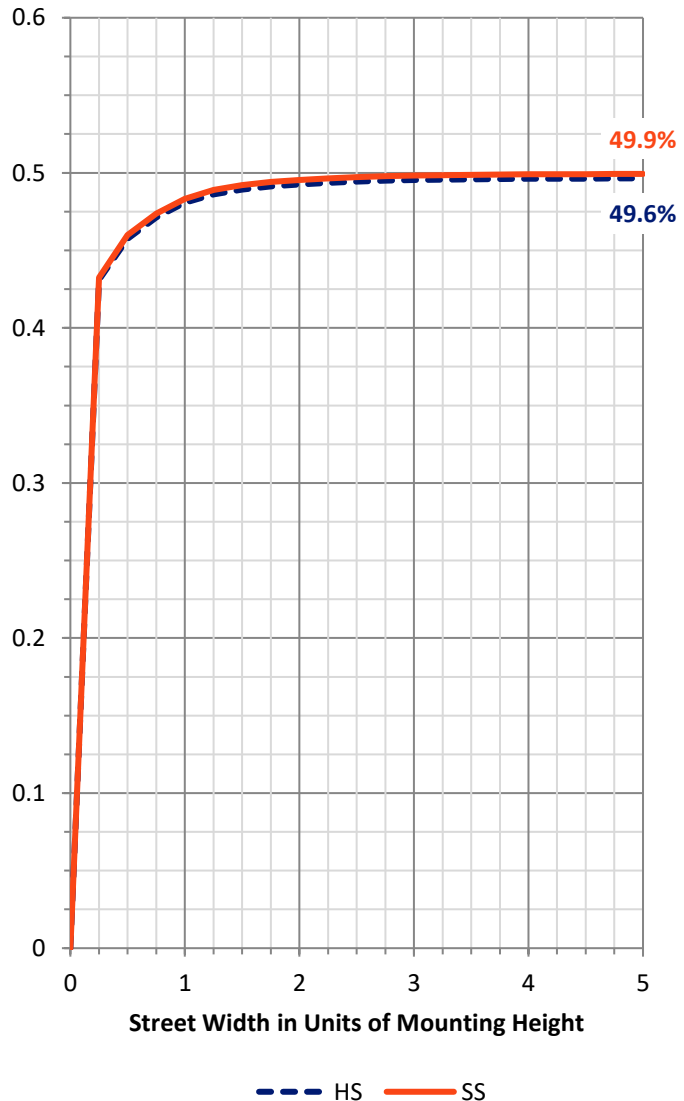
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8186.3	0.0	8186.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8186.3	0.0	8186.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16372.6	0.0	16372.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12574.1	76.8
10°-20°	1226.4	7.5
20°-30°	655.2	4.0
30°-40°	540.4	3.3
40°-50°	601.7	3.7
50°-60°	404.6	2.5
60°-70°	258.2	1.6
70°-80°	101.9	0.6
80°-90°	10.0	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°	16372.6	100.0
0°-180°	16372.6	100.0

Coefficient of Utilization

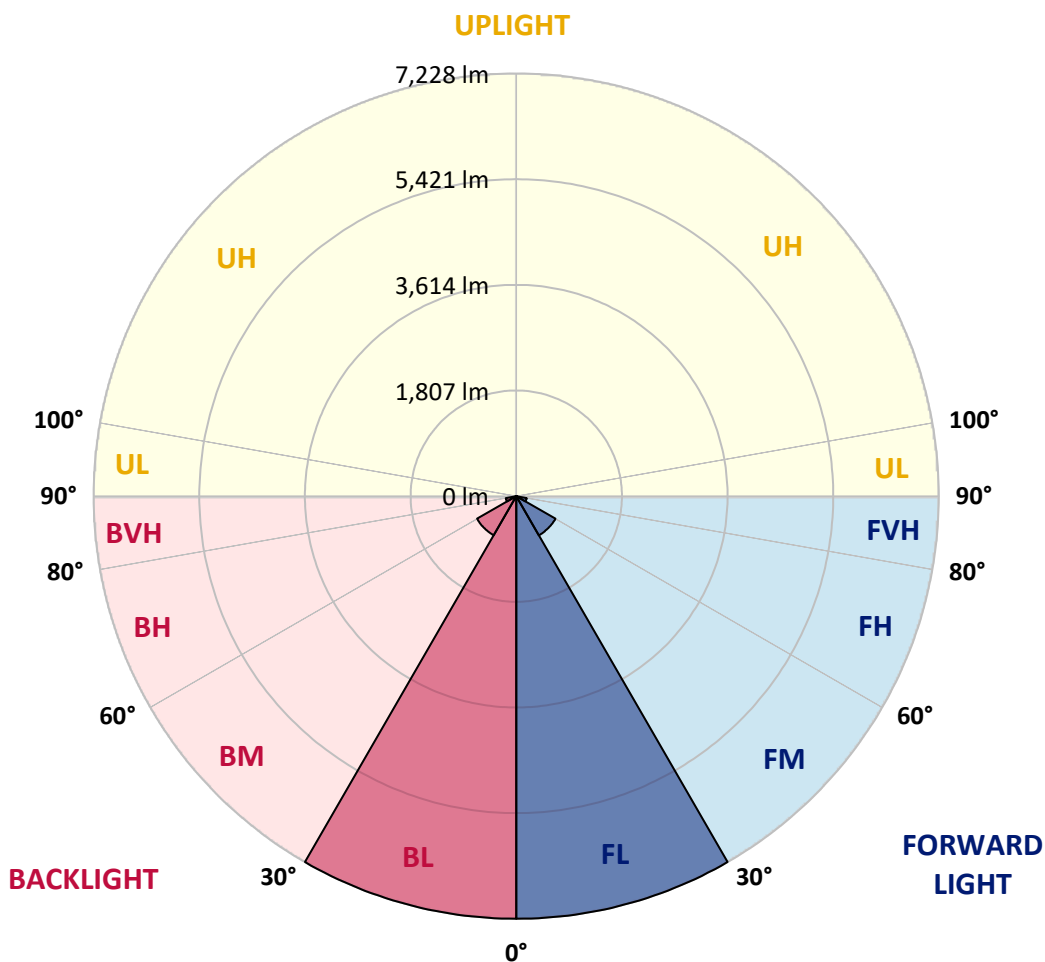


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7227.9	44.1			
FM (30°-60°)	773.4	4.7			
FH (60°-80°)	180.1	1.1			G0/660
FVH (80°-90°)	5.0	0.0			G0/10
BL (0°-30°)	7227.9	44.1	B5		
BM (30°-60°)	773.4	4.7	B1/1000		
BH (60°-80°)	180.1	1.1	B1/500		G0/660
BVH (80°-90°)	5.0	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°	488039.4	488039.4	488039.4	488039.4	488039.4	488039.4	488039.4	488039.4	488039.4	488039.4
1°	474475.4	475300.6	475449.4	474466.9	471961.7	472552.9	472476.3	472608.2	472361.5	470796.3
2°	448785.1	450005.8	448721.3	445965.1	440257.1	438896.0	434349.2	429274.9	423873.2	418458.6
3°	396345.4	398914.4	397081.2	400024.5	388446.9	387277.2	377715.7	365108.7	352331.6	341978.9
4°	307301.2	312048.0	312677.5	322392.2	312881.6	315854.7	304932.1	287416.8	268302.1	253679.1
5°	195880.1	202498.4	206232.8	215343.5	219724.5	231132.0	225811.0	208231.9	186144.2	169322.1
6°	98971.5	102574.1	112607.8	122624.5	133810.8	148948.5	150998.6	135567.4	117988.3	101842.5
7°	46136.2	47624.9	54702.5	56837.7	69627.6	86049.8	88346.6	79886.7	70614.3	58100.9
8°	23840.1	24418.6	27004.6	28591.1	36051.5	45498.2	47110.2	41785.0	37991.0	31696.1
9°	14682.6	14937.8	15907.6	16264.9	19055.1	23257.4	23827.3	21598.6	20569.3	18395.8
10°	10182.6	10318.7	10773.8	10867.3	11798.8	13181.2	13232.2	12500.6	12517.6	11973.2
12.5°	5427.3	5469.8	5597.4	5610.2	5788.8	5933.4	5899.4	5903.7	5976.0	5903.7
15°	3470.7	3492.0	3568.6	3585.6	3679.2	3730.2	3704.7	3700.4	3725.9	3679.2
17.5°	2475.5	2488.2	2543.5	2590.3	2649.8	2666.9	2658.4	2649.8	2649.8	2607.3
20°	1931.0	1948.0	1986.3	2033.1	2062.9	2092.7	2096.9	2092.7	2079.9	2058.6
22.5°	1641.8	1650.3	1663.1	1684.3	1705.6	1718.4	1726.9	1731.1	1726.9	1718.4
25°	1429.1	1437.6	1463.2	1475.9	1475.9	1480.2	1497.2	1505.7	1509.9	1492.9
27.5°	1054.8	1076.1	1114.4	1135.6	1135.6	1144.2	1156.9	1173.9	1190.9	1161.2
30°	816.6	833.7	876.2	876.2	871.9	880.4	893.2	918.7	944.2	910.2
32.5°	735.8	735.8	744.3	748.6	748.6	761.4	769.9	791.1	812.4	803.9
35°	769.9	748.6	723.1	723.1	731.6	757.1	761.4	782.6	803.9	833.7
37.5°	1118.6	1054.8	961.3	944.2	944.2	974.0	961.3	974.0	1012.3	1122.9
40°	1016.6	965.5	910.2	833.7	833.7	876.2	846.4	863.4	952.8	1020.8
42.5°	906.0	906.0	846.4	774.1	774.1	795.4	786.9	795.4	897.5	952.8
45°	837.9	837.9	820.9	706.1	723.1	735.8	735.8	735.8	871.9	889.0
47.5°	799.6	799.6	757.1	650.8	672.0	676.3	684.8	676.3	782.6	842.2
50°	714.6	723.1	650.8	574.2	599.7	599.7	612.5	595.5	676.3	774.1
52.5°	616.7	625.2	514.7	455.1	484.9	480.6	497.6	472.1	535.9	672.0
55°	548.7	544.4	425.3	370.0	404.1	399.8	408.3	378.5	433.8	578.5
57.5°	476.4	484.9	348.8	302.0	340.3	331.8	344.5	310.5	357.3	514.7
60°	421.1	433.8	297.7	255.2	293.5	285.0	297.7	259.5	306.2	463.6
62.5°	404.1	404.1	263.7	216.9	255.2	246.7	255.2	216.9	272.2	425.3
65°	480.6	455.1	238.2	178.6	216.9	208.4	216.9	178.6	238.2	408.3
67.5°	638.0	608.2	225.4	140.4	174.4	161.6	174.4	144.6	208.4	382.8
70°	331.8	353.0	225.4	110.6	131.9	131.9	127.6	110.6	174.4	280.7
72.5°	191.4	195.7	174.4	85.1	102.1	110.6	97.8	85.1	127.6	208.4
75°	106.3	119.1	110.6	63.8	76.6	85.1	72.3	63.8	89.3	148.9
77.5°	63.8	72.3	63.8	42.5	51.0	46.8	51.0	42.5	59.5	97.8
80°	34.0	34.0	34.0	25.5	25.5	29.8	29.8	25.5	34.0	51.0
82.5°	12.8	12.8	12.8	8.5	12.8	12.8	12.8	17.0	17.0	21.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.3	4.3	4.3	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
488039.4
472340.2
421576.3
345904.8
257069.0
171478.6
103050.5
59615.1
32551.0
18867.9
12224.2
5984.5
3713.2
2620.1
2062.9
1722.6
1492.9
1156.9
901.7
803.9
850.7
1178.2
1084.6
957.0
884.7
829.4
765.6
655.0
570.0
501.9
450.9
421.1
408.3
378.5
276.5
204.2
131.9
72.3
42.5
21.3
4.3
4.3
0.0

OF REPORT)