

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: P525251

Luminaire Tested: **IFLD-S-SA6A-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525251
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

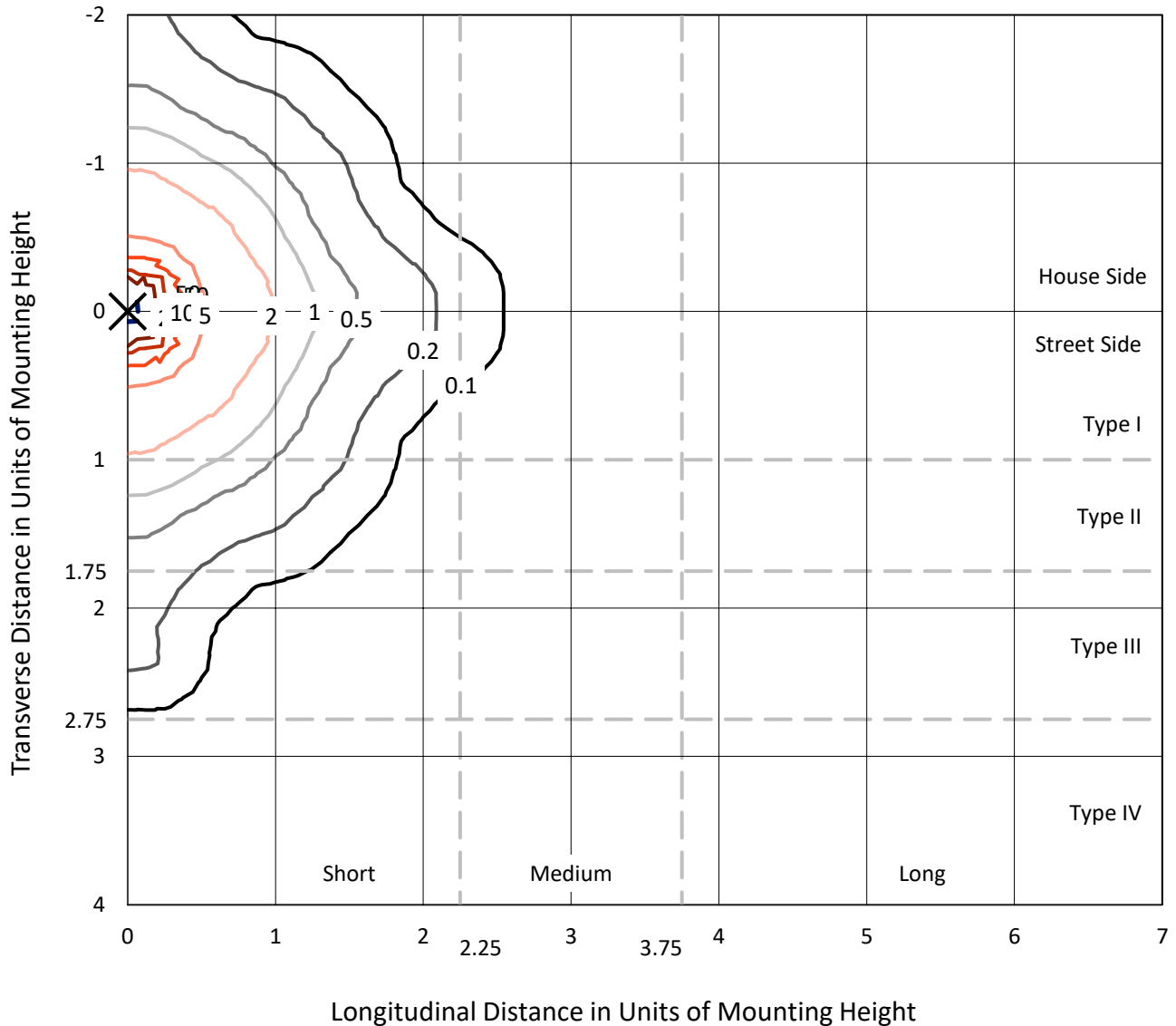
Lumens per Lamp: N/A
Luminaire Lumens: 9860.1 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 189.6
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

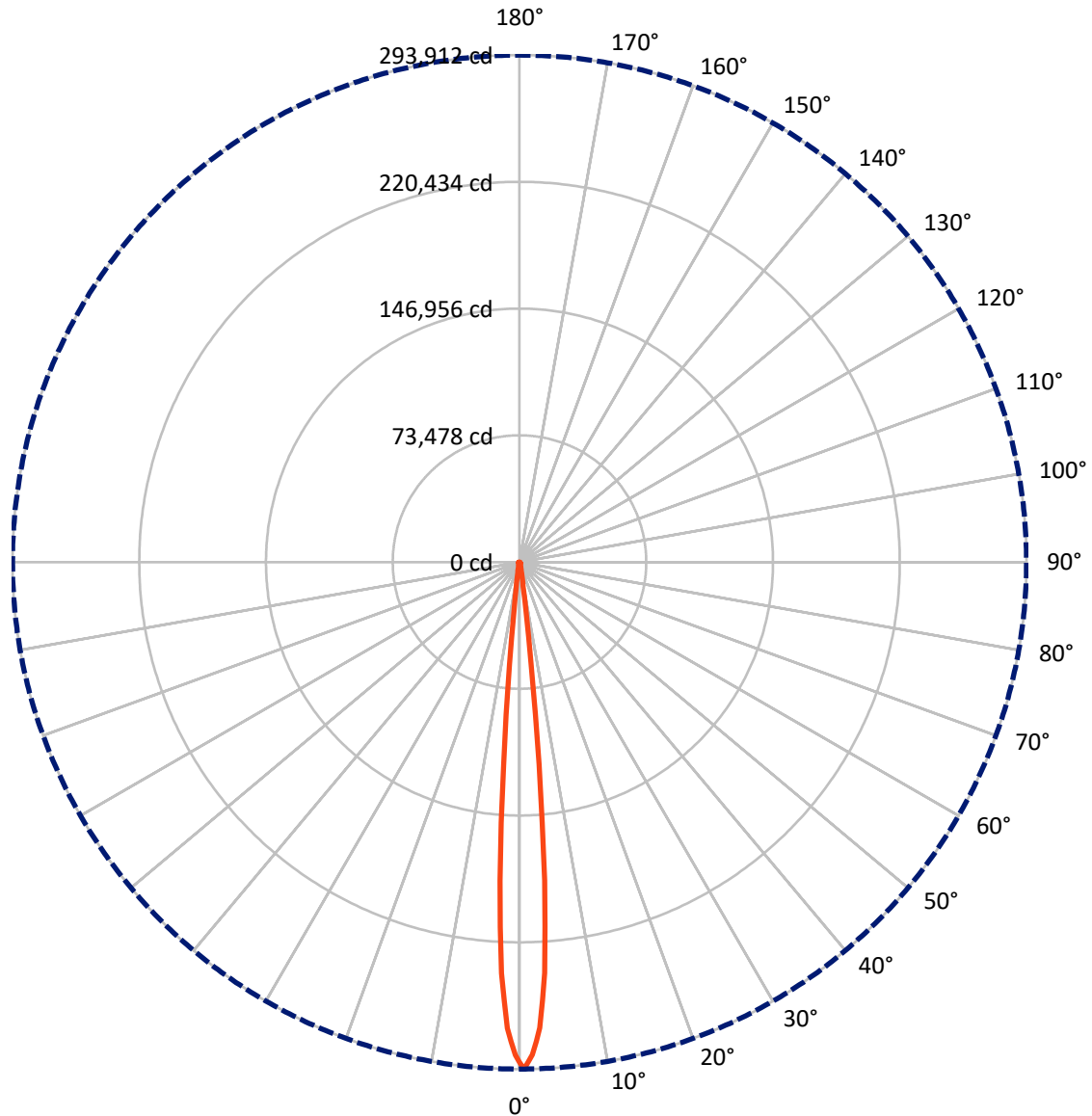
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2939.1 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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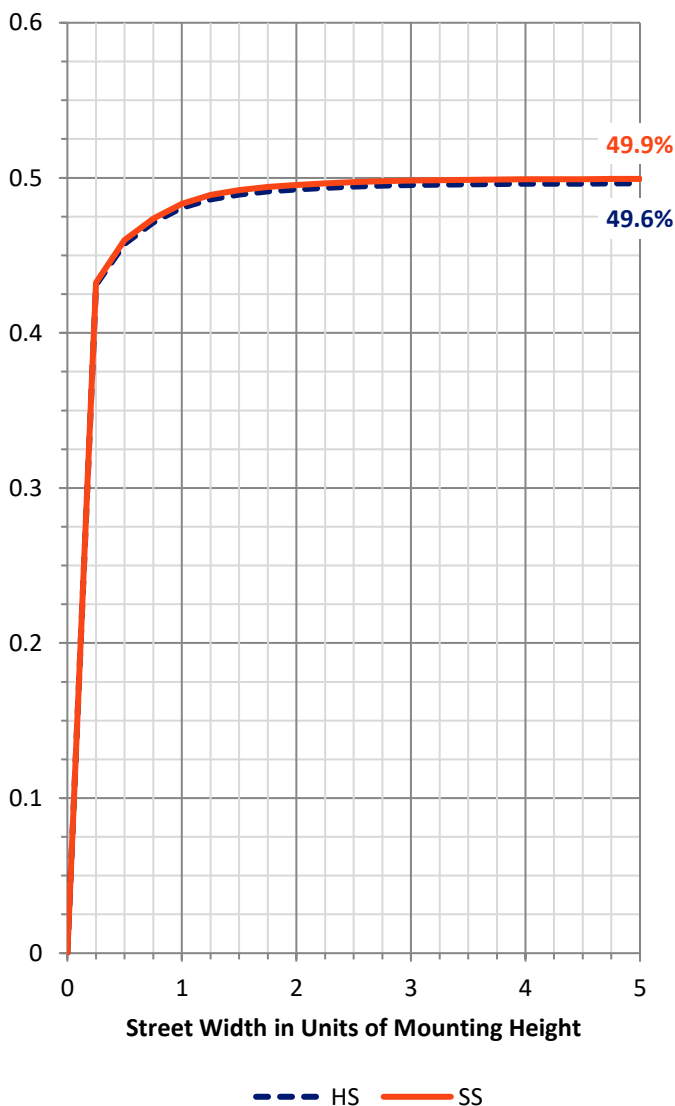
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4930.0	0.0	4930.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4930.0	0.0	4930.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9860.1	0.0	9860.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7572.5	76.8
10°-20°	738.6	7.5
20°-30°	394.6	4.0
30°-40°	325.4	3.3
40°-50°	362.4	3.7
50°-60°	243.7	2.5
60°-70°	155.5	1.6
70°-80°	61.4	0.6
80°-90°	6.0	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°	9860.1	100.0
0°-180°	9860.1	100.0

Coefficient of Utilization

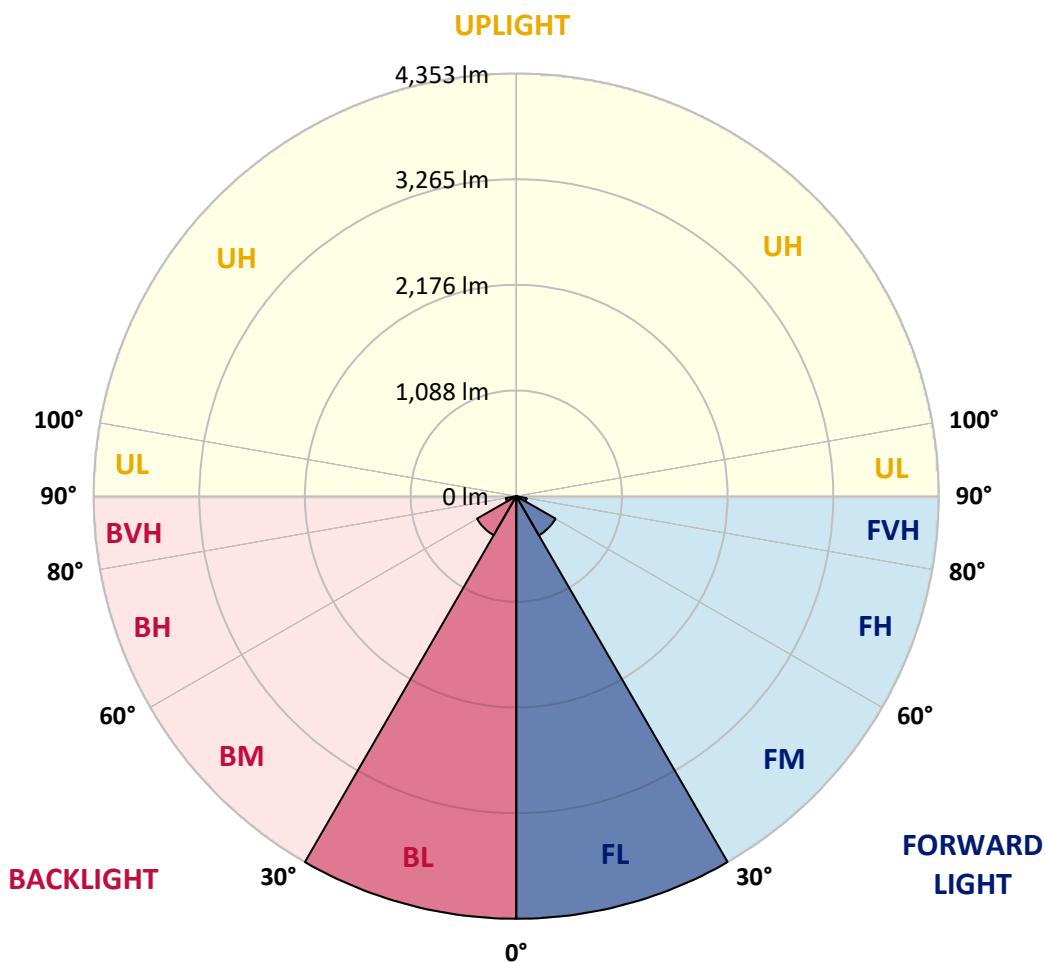


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4352.8	44.1			
FM (30°-60°)	465.7	4.7			
FH (60°-80°)	108.4	1.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4352.8	44.1	B4/5000		
BM (30°-60°)	465.7	4.7	B1/1000		
BH (60°-80°)	108.4	1.1	B0/110		G0/660
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	293912.3	293912.3	293912.3	293912.3	293912.3	293912.3	293912.3	293912.3	293912.3	293912.3
1°	285743.6	286240.6	286330.2	285738.5	284229.8	284585.8	284539.7	284619.1	284470.6	283527.9
2°	270272.1	271007.3	270233.7	268573.9	265136.3	264316.6	261578.4	258522.5	255269.4	252008.6
3°	238691.3	240238.5	239134.5	240907.0	233934.6	233230.2	227471.9	219879.6	212184.9	205950.2
4°	185066.2	187924.9	188304.0	194154.4	188426.9	190217.4	183639.5	173091.2	161579.8	152773.3
5°	117965.0	121950.7	124199.7	129686.5	132324.8	139194.8	135990.3	125403.6	112101.7	101971.0
6°	59603.7	61773.3	67815.9	73848.2	80585.0	89701.4	90936.0	81642.9	71056.2	61332.7
7°	27784.7	28681.2	32943.5	34229.4	41931.8	51821.8	53205.0	48110.2	42526.1	34990.2
8°	14357.2	14705.6	16263.0	17218.4	21711.3	27400.4	28371.2	25164.2	22879.4	19088.3
9°	8842.3	8996.0	9580.0	9795.2	11475.5	14006.3	14349.6	13007.3	12387.4	11078.5
10°	6132.2	6214.2	6488.3	6544.6	7105.6	7938.1	7968.8	7528.3	7538.5	7210.6
12.5°	3268.5	3294.1	3370.9	3378.6	3486.2	3573.3	3552.8	3555.4	3598.9	3555.4
15°	2090.2	2103.0	2149.1	2159.3	2215.7	2246.4	2231.1	2228.5	2243.9	2215.7
17.5°	1490.8	1498.5	1531.8	1560.0	1595.8	1606.1	1600.9	1595.8	1595.8	1570.2
20°	1162.9	1173.2	1196.2	1224.4	1242.3	1260.3	1262.8	1260.3	1252.6	1239.8
22.5°	988.7	993.9	1001.5	1014.4	1027.2	1034.8	1040.0	1042.5	1040.0	1034.8
25°	860.7	865.8	881.2	888.8	888.8	891.4	901.6	906.8	909.3	899.1
27.5°	635.3	648.1	671.1	683.9	683.9	689.0	696.7	707.0	717.2	699.3
30°	491.8	502.1	527.7	527.7	525.1	530.2	537.9	553.3	568.7	548.2
32.5°	443.1	443.1	448.3	450.8	450.8	458.5	463.6	476.4	489.2	484.1
35°	463.6	450.8	435.5	435.5	440.6	455.9	458.5	471.3	484.1	502.1
37.5°	673.7	635.3	578.9	568.7	568.7	586.6	578.9	586.6	609.6	676.2
40°	612.2	581.5	548.2	502.1	502.1	527.7	509.7	520.0	573.8	614.8
42.5°	545.6	545.6	509.7	466.2	466.2	479.0	473.9	479.0	540.5	573.8
45°	504.6	504.6	494.4	425.2	435.5	443.1	443.1	443.1	525.1	535.4
47.5°	481.6	481.6	455.9	391.9	404.7	407.3	412.4	407.3	471.3	507.2
50°	430.3	435.5	391.9	345.8	361.2	361.2	368.9	358.6	407.3	466.2
52.5°	371.4	376.5	309.9	274.1	292.0	289.5	299.7	284.3	322.7	404.7
55°	330.4	327.9	256.2	222.9	243.3	240.8	245.9	228.0	261.3	348.4
57.5°	286.9	292.0	210.0	181.9	204.9	199.8	207.5	187.0	215.2	309.9
60°	253.6	261.3	179.3	153.7	176.7	171.6	179.3	156.3	184.4	279.2
62.5°	243.3	243.3	158.8	130.6	153.7	148.6	153.7	130.6	163.9	256.2
65°	289.5	274.1	143.4	107.6	130.6	125.5	130.6	107.6	143.4	245.9
67.5°	384.2	366.3	135.8	84.5	105.0	97.3	105.0	87.1	125.5	230.5
70°	199.8	212.6	135.8	66.6	79.4	79.4	76.8	66.6	105.0	169.1
72.5°	115.3	117.8	105.0	51.2	61.5	66.6	58.9	51.2	76.8	125.5
75°	64.0	71.7	66.6	38.4	46.1	51.2	43.5	38.4	53.8	89.7
77.5°	38.4	43.5	38.4	25.6	30.7	28.2	30.7	25.6	35.9	58.9
80°	20.5	20.5	20.5	15.4	15.4	17.9	17.9	15.4	20.5	30.7
82.5°	7.7	7.7	7.7	5.1	7.7	7.7	7.7	10.2	10.2	12.8
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
293912.3
284457.8
253886.2
208314.4
154814.8
103269.7
62060.2
35902.1
19603.2
11362.8
7361.8
3604.0
2236.2
1577.9
1242.3
1037.4
899.1
696.7
543.0
484.1
512.3
709.5
653.2
576.3
532.8
499.5
461.1
394.5
343.2
302.3
271.5
253.6
245.9
228.0
166.5
123.0
79.4
43.5
25.6
12.8
2.6
2.6
0.0

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