

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: P525234

Luminaire Tested: **IFLD-S-SA2D-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525234
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

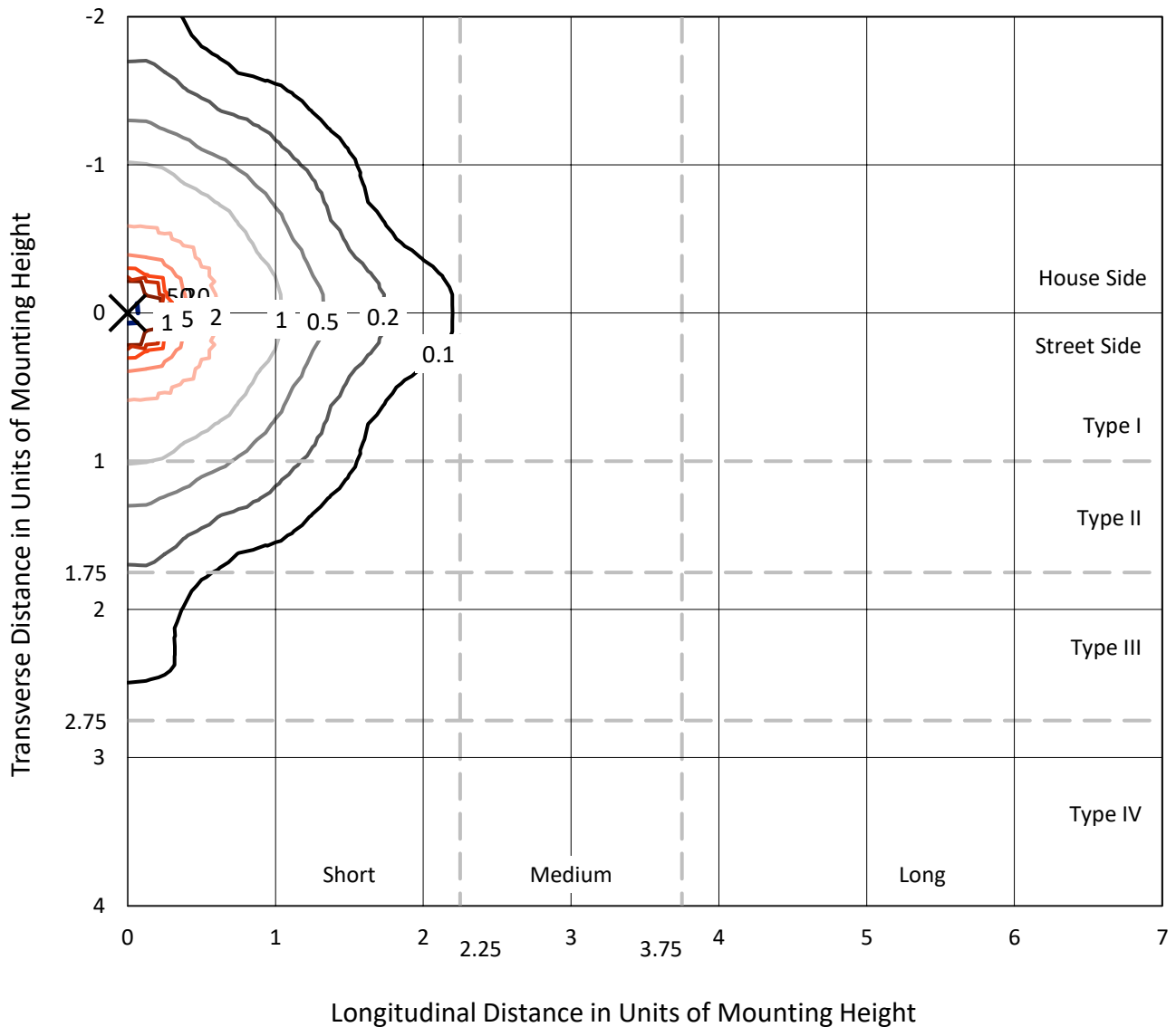
Lumens per Lamp: N/A
Luminaire Lumens: 5713.5 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 123.9
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

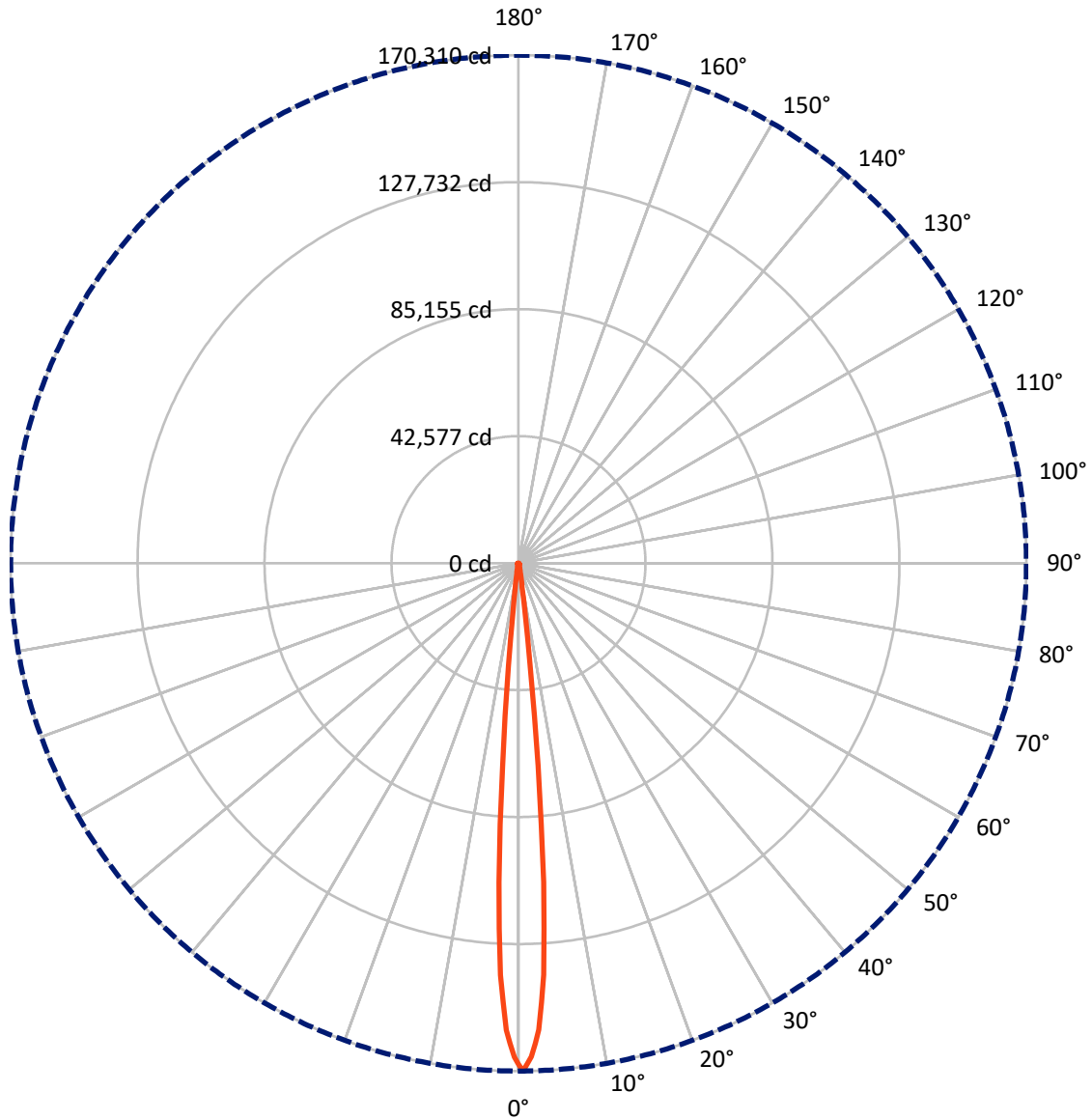
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1703.1 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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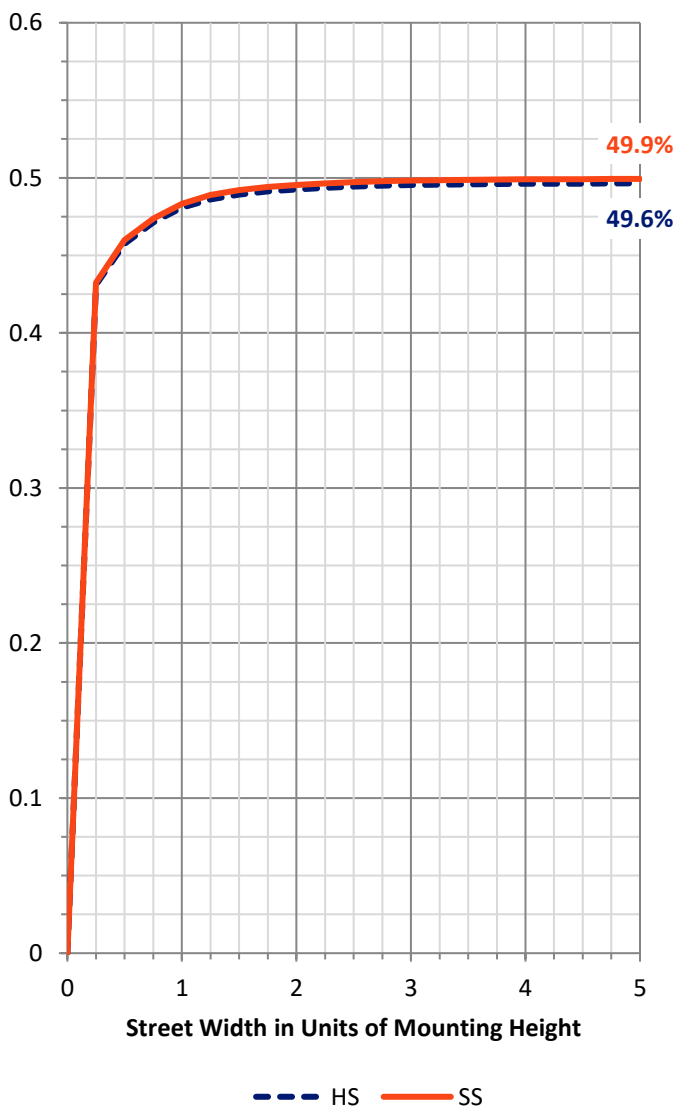
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2856.8	0.0	2856.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2856.8	0.0	2856.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5713.5	0.0	5713.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4387.9	76.8
10°-20°	428.0	7.5
20°-30°	228.6	4.0
30°-40°	188.6	3.3
40°-50°	210.0	3.7
50°-60°	141.2	2.5
60°-70°	90.1	1.6
70°-80°	35.6	0.6
80°-90°	3.5	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°	5713.5	100.0
0°-180°	5713.5	100.0

Coefficient of Utilization

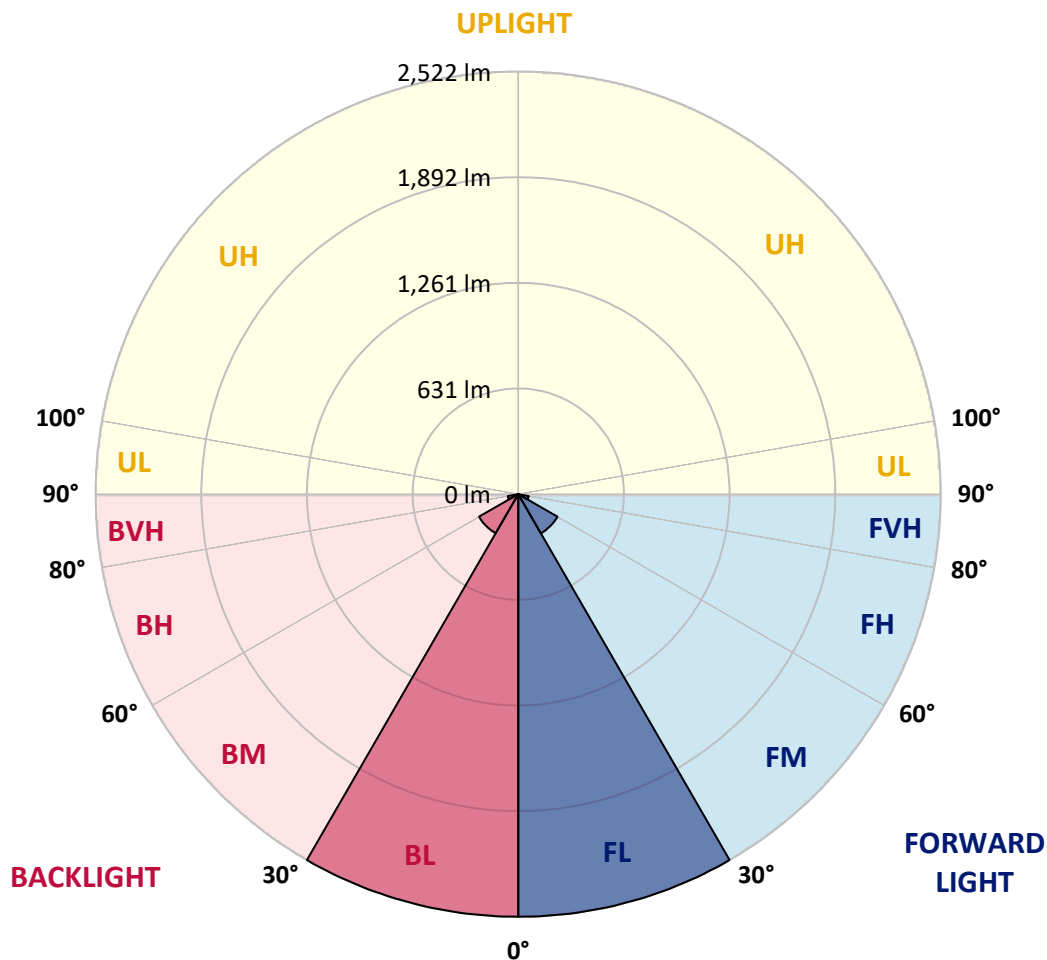


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2522.3	44.1			
FM (30°-60°)	269.9	4.7			
FH (60°-80°)	62.8	1.1			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	2522.3	44.1	B4/5000		
BM (30°-60°)	269.9	4.7	B1/1000		
BH (60°-80°)	62.8	1.1	B0/110		G0/660
BVH (80°-90°)	1.7	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°	170309.7	170309.7	170309.7	170309.7	170309.7	170309.7	170309.7	170309.7	170309.7	170309.7
1°	165576.3	165864.2	165916.2	165573.3	164699.1	164905.4	164878.7	164924.7	164838.6	164292.4
2°	156611.2	157037.2	156589.0	155627.1	153635.2	153160.3	151573.6	149802.8	147917.8	146028.3
3°	138311.5	139208.0	138568.3	139595.4	135555.2	135147.0	131810.3	127410.9	122952.1	119339.4
4°	107238.0	108894.5	109114.1	112504.2	109185.4	110222.9	106411.3	100299.0	93628.6	88525.6
5°	68355.7	70665.3	71968.5	75147.8	76676.6	80657.5	78800.6	72666.1	64958.2	59087.8
6°	34537.8	35795.0	39296.4	42791.9	46695.6	51978.1	52693.6	47308.6	41174.0	35539.7
7°	16100.0	16619.5	19089.4	19834.5	24297.7	30028.5	30830.1	27877.8	24642.1	20275.3
8°	8319.4	8521.3	9423.7	9977.4	12580.8	15877.4	16439.9	14581.6	13257.6	11060.9
9°	5123.7	5212.8	5551.2	5675.9	6649.6	8116.1	8315.0	7537.2	7178.0	6419.5
10°	3553.4	3600.9	3759.7	3792.3	4117.4	4599.8	4617.6	4362.3	4368.2	4178.3
12.5°	1893.9	1908.8	1953.3	1957.8	2020.1	2070.6	2058.7	2060.2	2085.4	2060.2
15°	1211.2	1218.6	1245.3	1251.3	1283.9	1301.7	1292.8	1291.3	1300.2	1283.9
17.5°	863.9	868.3	887.6	903.9	924.7	930.6	927.7	924.7	924.7	909.9
20°	673.9	679.8	693.2	709.5	719.9	730.3	731.8	730.3	725.8	718.4
22.5°	572.9	575.9	580.4	587.8	595.2	599.7	602.6	604.1	602.6	599.7
25°	498.7	501.7	510.6	515.0	515.0	516.5	522.5	525.4	526.9	521.0
27.5°	368.1	375.5	388.9	396.3	396.3	399.3	403.7	409.7	415.6	405.2
30°	285.0	290.9	305.8	305.8	304.3	307.2	311.7	320.6	329.5	317.6
32.5°	256.8	256.8	259.7	261.2	261.2	265.7	268.7	276.1	283.5	280.5
35°	268.7	261.2	252.3	252.3	255.3	264.2	265.7	273.1	280.5	290.9
37.5°	390.4	368.1	335.4	329.5	329.5	339.9	335.4	339.9	353.3	391.9
40°	354.7	336.9	317.6	290.9	290.9	305.8	295.4	301.3	332.5	356.2
42.5°	316.2	316.2	295.4	270.1	270.1	277.6	274.6	277.6	313.2	332.5
45°	292.4	292.4	286.5	246.4	252.3	256.8	256.8	256.8	304.3	310.2
47.5°	279.0	279.0	264.2	227.1	234.5	236.0	239.0	236.0	273.1	293.9
50°	249.4	252.3	227.1	200.4	209.3	209.3	213.7	207.8	236.0	270.1
52.5°	215.2	218.2	179.6	158.8	169.2	167.7	173.7	164.8	187.0	234.5
55°	191.5	190.0	148.4	129.1	141.0	139.5	142.5	132.1	151.4	201.9
57.5°	166.2	169.2	121.7	105.4	118.7	115.8	120.2	108.4	124.7	179.6
60°	146.9	151.4	103.9	89.1	102.4	99.4	103.9	90.5	106.9	161.8
62.5°	141.0	141.0	92.0	75.7	89.1	86.1	89.1	75.7	95.0	148.4
65°	167.7	158.8	83.1	62.3	75.7	72.7	75.7	62.3	83.1	142.5
67.5°	222.6	212.3	78.7	49.0	60.9	56.4	60.9	50.5	72.7	133.6
70°	115.8	123.2	78.7	38.6	46.0	46.0	44.5	38.6	60.9	98.0
72.5°	66.8	68.3	60.9	29.7	35.6	38.6	34.1	29.7	44.5	72.7
75°	37.1	41.6	38.6	22.3	26.7	29.7	25.2	22.3	31.2	51.9
77.5°	22.3	25.2	22.3	14.8	17.8	16.3	17.8	14.8	20.8	34.1
80°	11.9	11.9	11.9	8.9	8.9	10.4	10.4	8.9	11.9	17.8
82.5°	4.5	4.5	4.5	3.0	4.5	4.5	4.5	5.9	5.9	7.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
170309.7
164831.2
147116.3
120709.4
89708.6
59840.4
35961.2
20803.7
11359.2
6584.3
4265.8
2088.4
1295.8
914.3
719.9
601.1
521.0
403.7
314.7
280.5
296.9
411.1
378.5
334.0
308.7
289.4
267.2
228.6
198.9
175.1
157.3
146.9
142.5
132.1
96.5
71.2
46.0
25.2
14.8
7.4
1.5
1.5
0.0

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