

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: P525351

Luminaire Tested: **IFLD-S-SA2D-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525351
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

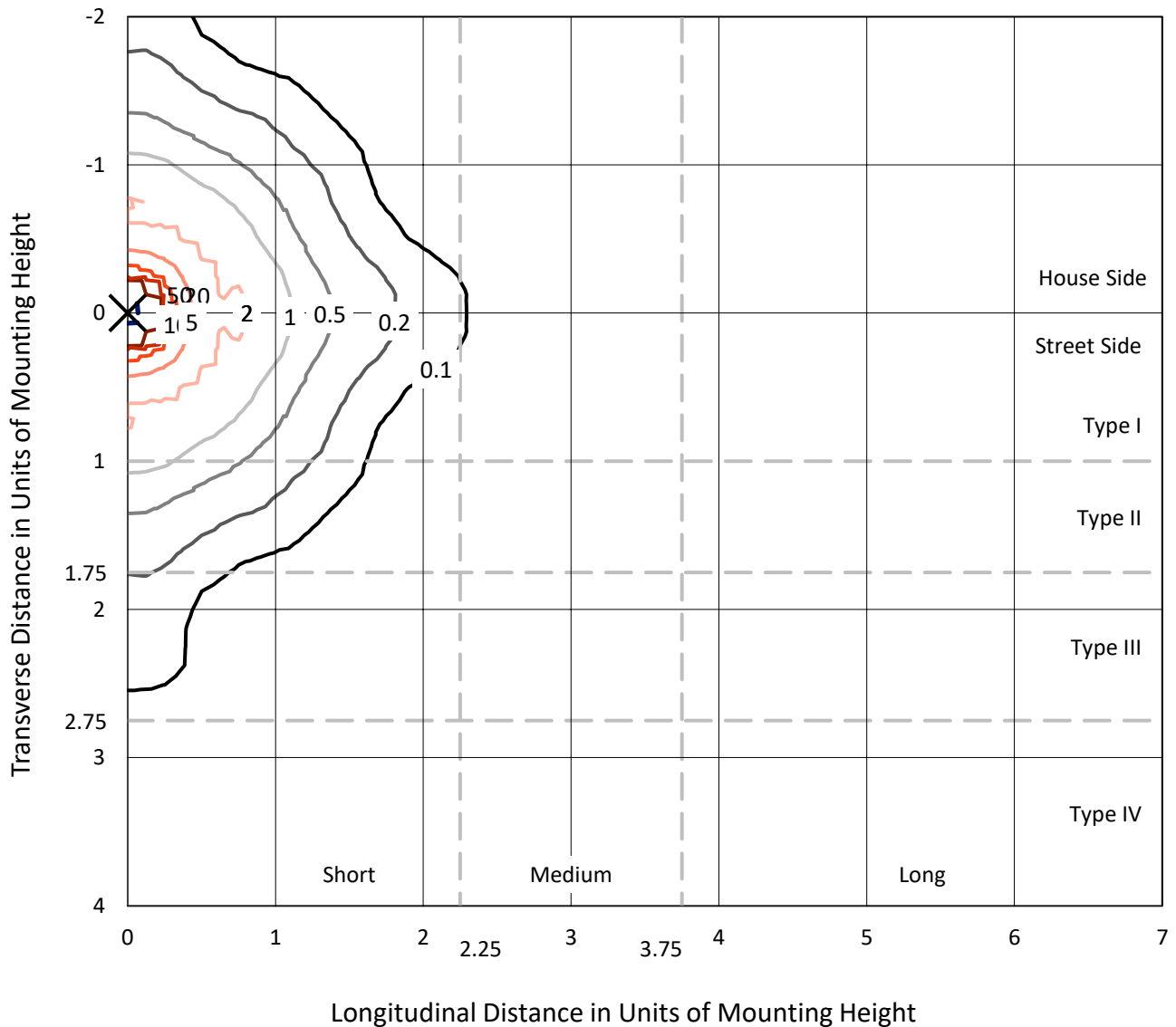
Lumens per Lamp: N/A
Luminaire Lumens: 6521.5 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

REPORT NUMBER: P525351
 CATALOG NUMBER: IFLD-S-SA2D-940-U-11

Iso-Footcandle Lines of Horizontal Illumination

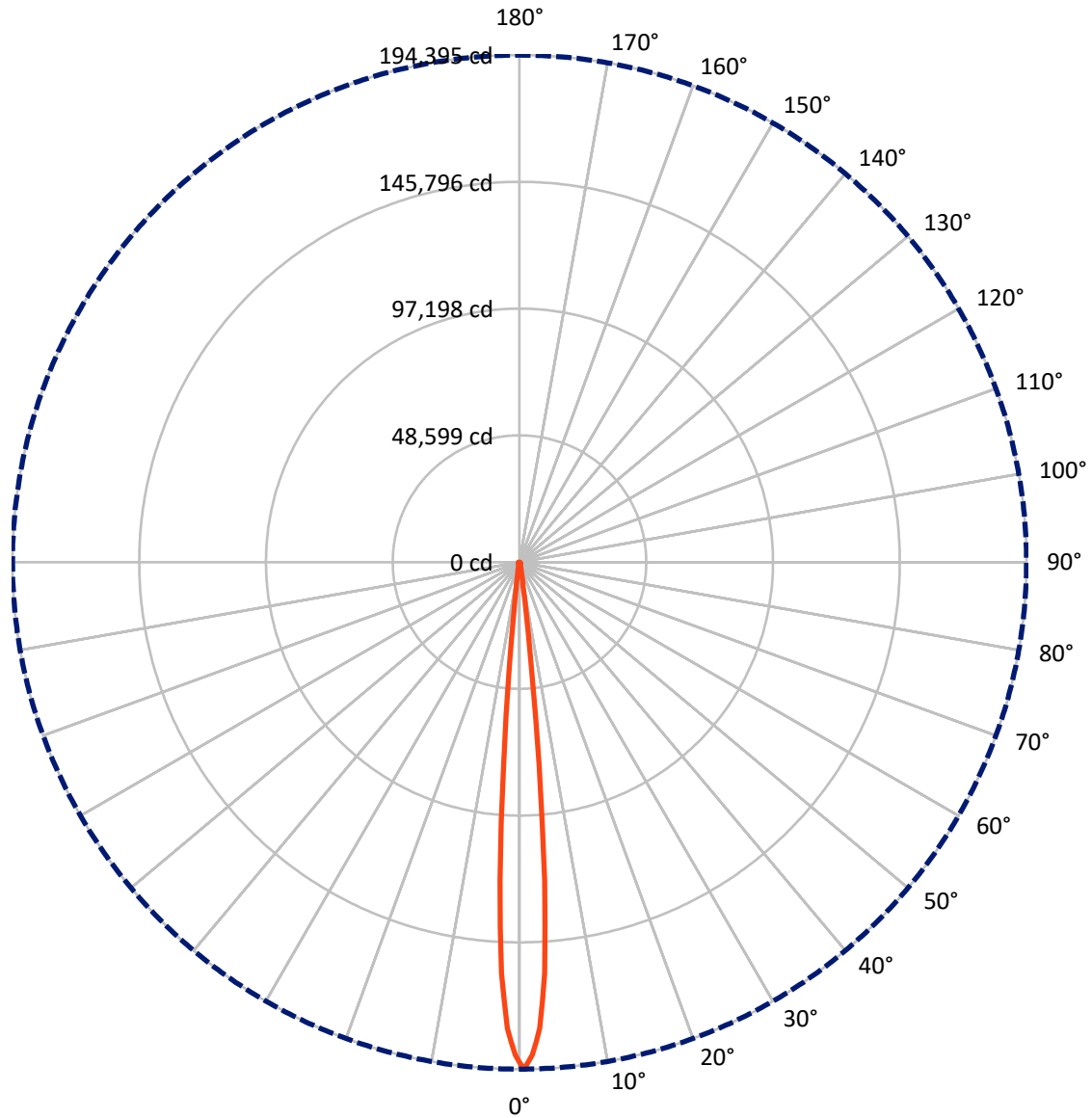
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1944 fc
 Type V - Short - N/A

REPORT NUMBER: P525351
CATALOG NUMBER: IFLD-S-SA2D-940-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525351
 CATALOG NUMBER: IFLD-S-SA2D-940-U-11

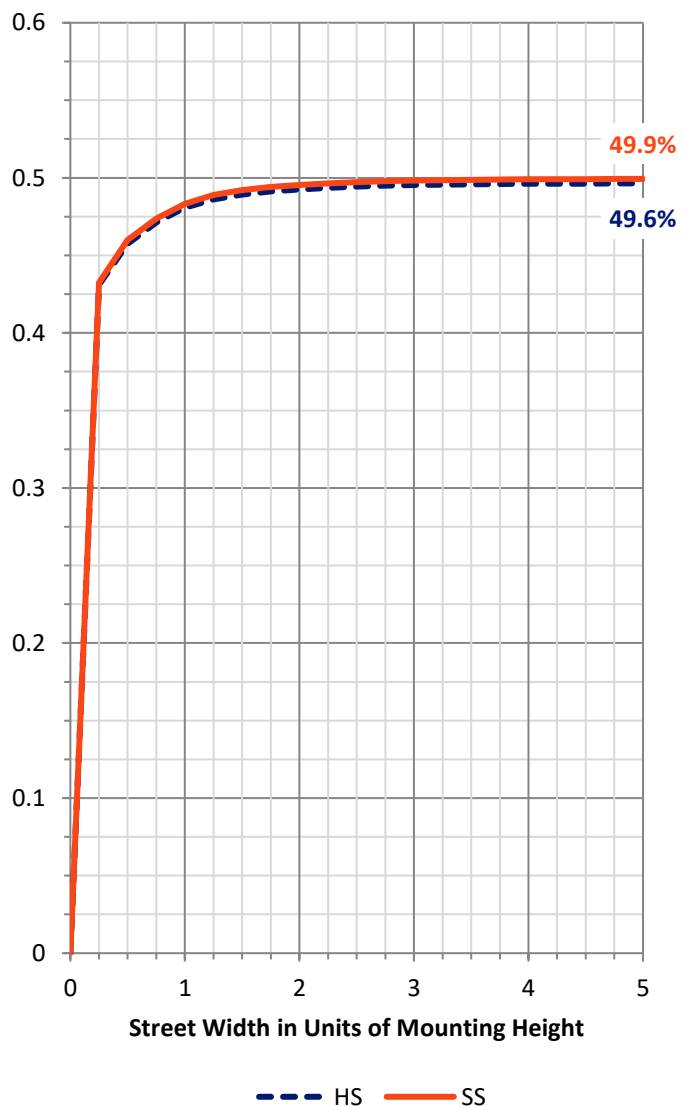
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.8	0.0	3260.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3260.8	0.0	3260.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6521.5	0.0	6521.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5008.5	76.8
10°-20°	488.5	7.5
20°-30°	261.0	4.0
30°-40°	215.3	3.3
40°-50°	239.7	3.7
50°-60°	161.2	2.5
60°-70°	102.9	1.6
70°-80°	40.6	0.6
80°-90°	4.0	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°	6521.5	100.0
0°-180°	6521.5	100.0

Coefficient of Utilization



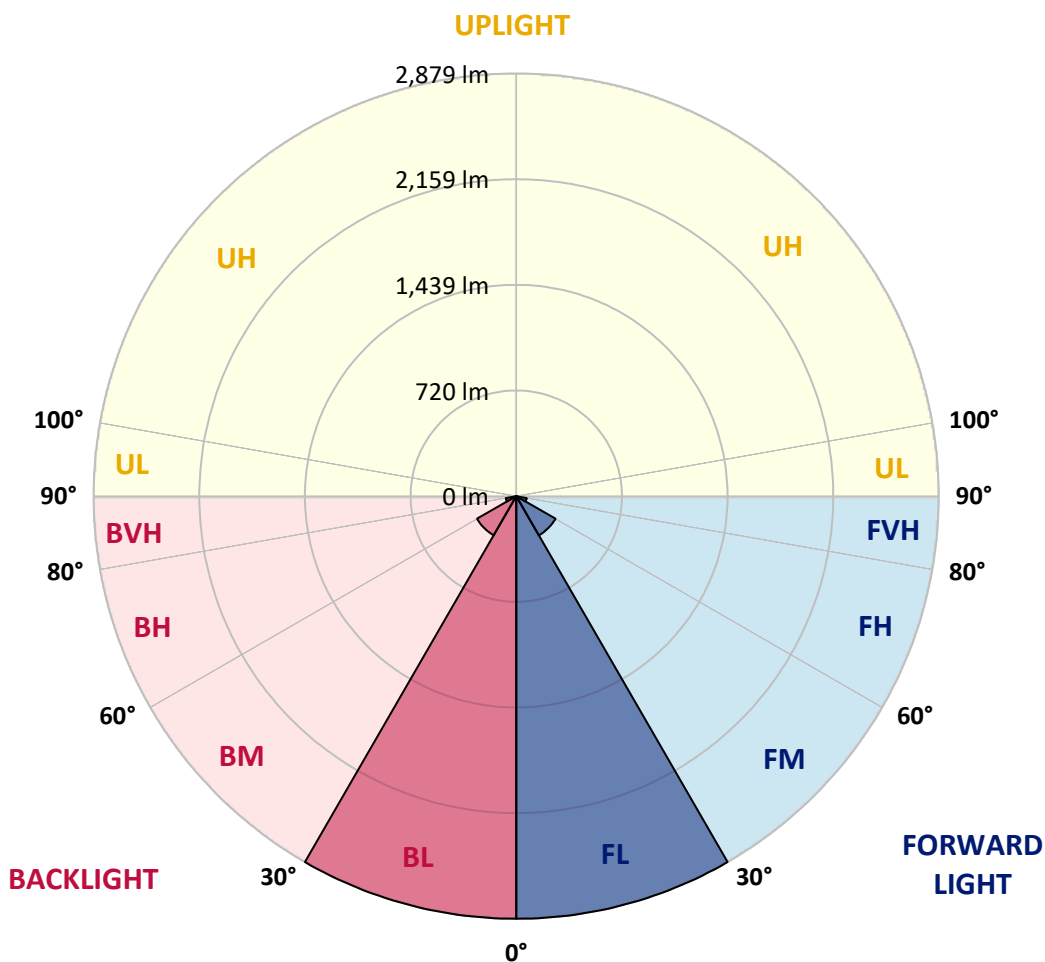
REPORT NUMBER: P525351
 CATALOG NUMBER: IFLD-S-SA2D-940-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2879.0	44.1			
FM (30°-60°)	308.0	4.7			
FH (60°-80°)	71.7	1.1			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	2879.0	44.1	B4/5000		
BM (30°-60°)	308.0	4.7	B1/1000		
BH (60°-80°)	71.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.0	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°	194395.2	194395.2	194395.2	194395.2	194395.2	194395.2	194395.2	194395.2	194395.2	194395.2
1°	188992.5	189321.1	189380.4	188989.1	187991.2	188226.7	188196.2	188248.7	188150.4	187527.0
2°	178759.5	179245.8	178734.1	177636.3	175362.7	174820.5	173009.4	170988.3	168836.6	166679.9
3°	157871.8	158895.1	158164.9	159337.3	154725.7	154259.8	150451.2	145429.6	140340.3	136216.6
4°	122403.8	124294.6	124545.3	128414.8	124626.6	125810.9	121460.2	114483.5	106869.8	101045.1
5°	78022.7	80658.9	82146.4	85775.4	87520.4	92064.2	89944.8	82942.7	74144.7	67444.2
6°	39422.2	40857.2	44853.8	48843.6	53299.4	59329.0	60145.6	53999.1	46997.0	40565.8
7°	18376.9	18969.9	21789.0	22639.5	27734.0	34275.2	35190.1	31820.4	28127.0	23142.7
8°	9496.0	9726.4	10756.4	11388.4	14360.0	18122.8	18764.9	16643.8	15132.5	12625.1
9°	5848.4	5950.0	6336.3	6478.6	7590.0	9263.9	9490.9	8603.1	8193.1	7327.4
10°	4055.9	4110.1	4291.4	4328.7	4699.7	5250.3	5270.6	4979.2	4986.0	4769.2
12.5°	2161.8	2178.7	2229.6	2234.6	2305.8	2363.4	2349.8	2351.5	2380.3	2351.5
15°	1382.5	1390.9	1421.4	1428.2	1465.5	1485.8	1475.6	1473.9	1484.1	1465.5
17.5°	986.0	991.1	1013.1	1031.8	1055.5	1062.3	1058.9	1055.5	1055.5	1038.5
20°	769.2	775.9	791.2	809.8	821.7	833.5	835.2	833.5	828.5	820.0
22.5°	654.0	657.3	662.4	670.9	679.4	684.5	687.8	689.5	687.8	684.5
25°	569.2	572.6	582.8	587.9	587.9	589.6	596.4	599.7	601.4	594.7
27.5°	420.2	428.6	443.9	452.3	452.3	455.7	460.8	467.6	474.4	462.5
30°	325.3	332.1	349.0	349.0	347.3	350.7	355.8	365.9	376.1	362.6
32.5°	293.1	293.1	296.5	298.2	298.2	303.3	306.6	315.1	323.6	320.2
35°	306.6	298.2	288.0	288.0	291.4	301.6	303.3	311.7	320.2	332.1
37.5°	445.6	420.2	382.9	376.1	376.1	388.0	382.9	388.0	403.2	447.3
40°	404.9	384.6	362.6	332.1	332.1	349.0	337.1	343.9	379.5	406.6
42.5°	360.9	360.9	337.1	308.3	308.3	316.8	313.4	316.8	357.5	379.5
45°	333.8	333.8	327.0	281.2	288.0	293.1	293.1	293.1	347.3	354.1
47.5°	318.5	318.5	301.6	259.2	267.7	269.4	272.8	269.4	311.7	335.5
50°	284.6	288.0	259.2	228.7	238.9	238.9	244.0	237.2	269.4	308.3
52.5°	245.7	249.0	205.0	181.3	193.1	191.4	198.2	188.1	213.5	267.7
55°	218.6	216.9	169.4	147.4	160.9	159.3	162.6	150.8	172.8	230.4
57.5°	189.7	193.1	138.9	120.3	135.5	132.1	137.2	123.7	142.3	205.0
60°	167.7	172.8	118.6	101.7	116.9	113.5	118.6	103.3	122.0	184.7
62.5°	160.9	160.9	105.0	86.4	101.7	98.3	101.7	86.4	108.4	169.4
65°	191.4	181.3	94.9	71.2	86.4	83.0	86.4	71.2	94.9	162.6
67.5°	254.1	242.3	89.8	55.9	69.5	64.4	69.5	57.6	83.0	152.5
70°	132.1	140.6	89.8	44.0	52.5	52.5	50.8	44.0	69.5	111.8
72.5°	76.2	77.9	69.5	33.9	40.7	44.0	39.0	33.9	50.8	83.0
75°	42.4	47.4	44.0	25.4	30.5	33.9	28.8	25.4	35.6	59.3
77.5°	25.4	28.8	25.4	16.9	20.3	18.6	20.3	16.9	23.7	39.0
80°	13.6	13.6	13.6	10.2	10.2	11.9	11.9	10.2	13.6	20.3
82.5°	5.1	5.1	5.1	3.4	5.1	5.1	5.1	6.8	6.8	8.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
194395.2
188142.0
167921.8
137780.4
102395.4
68303.1
41046.9
23745.8
12965.7
7515.4
4869.1
2383.7
1479.0
1043.6
821.7
686.1
594.7
460.8
359.2
320.2
338.8
469.3
432.0
381.2
352.4
330.4
305.0
260.9
227.0
199.9
179.6
167.7
162.6
150.8
110.1
81.3
52.5
28.8
16.9
8.5
1.7
1.7
0.0

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