

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: P525384

Luminaire Tested: **IFLD-L-SA8B-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525384
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

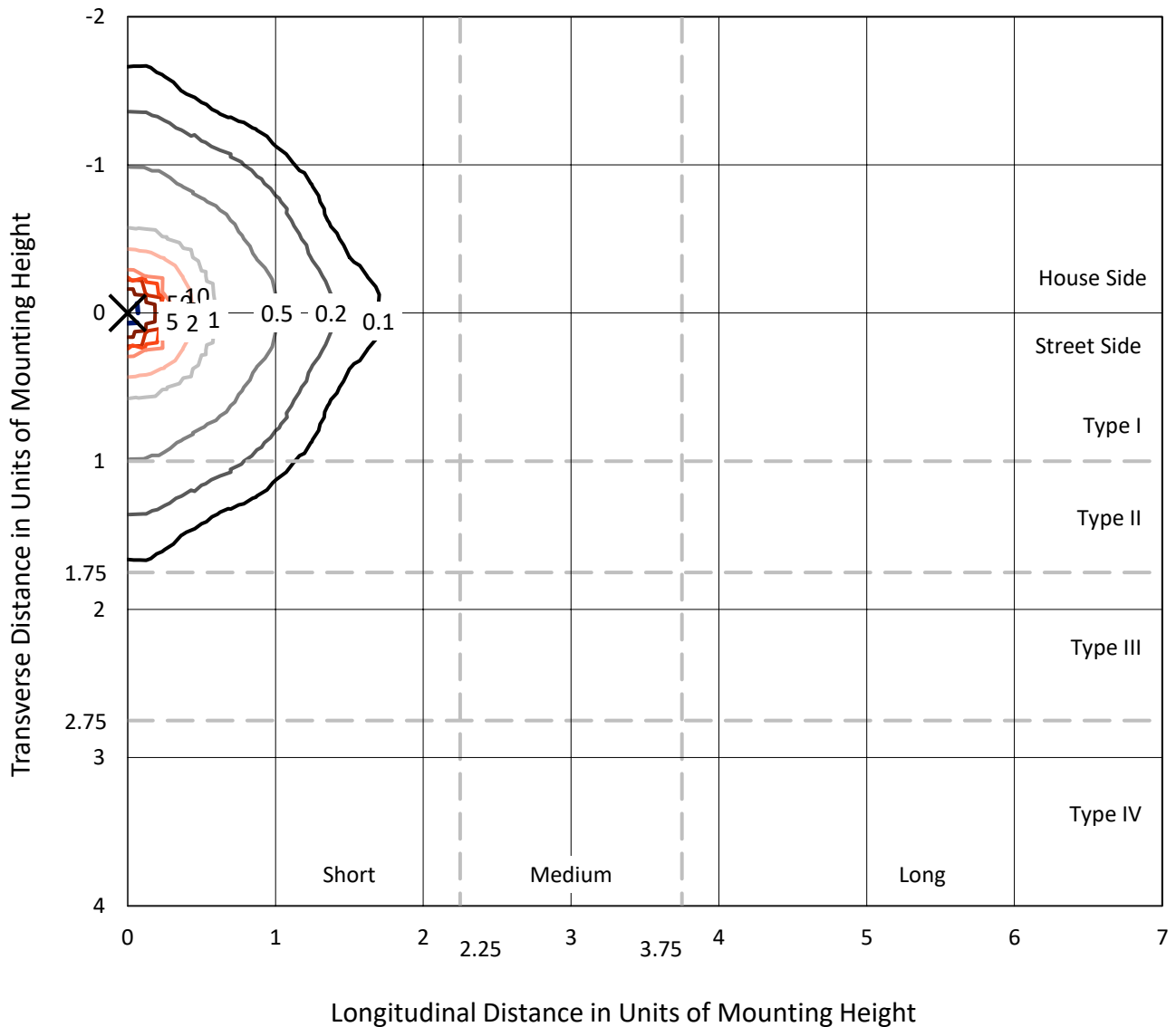
Lumens per Lamp: N/A
Luminaire Lumens: 16694.1 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 320
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: P525384
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11

Iso-Footcandle Lines of Horizontal Illumination

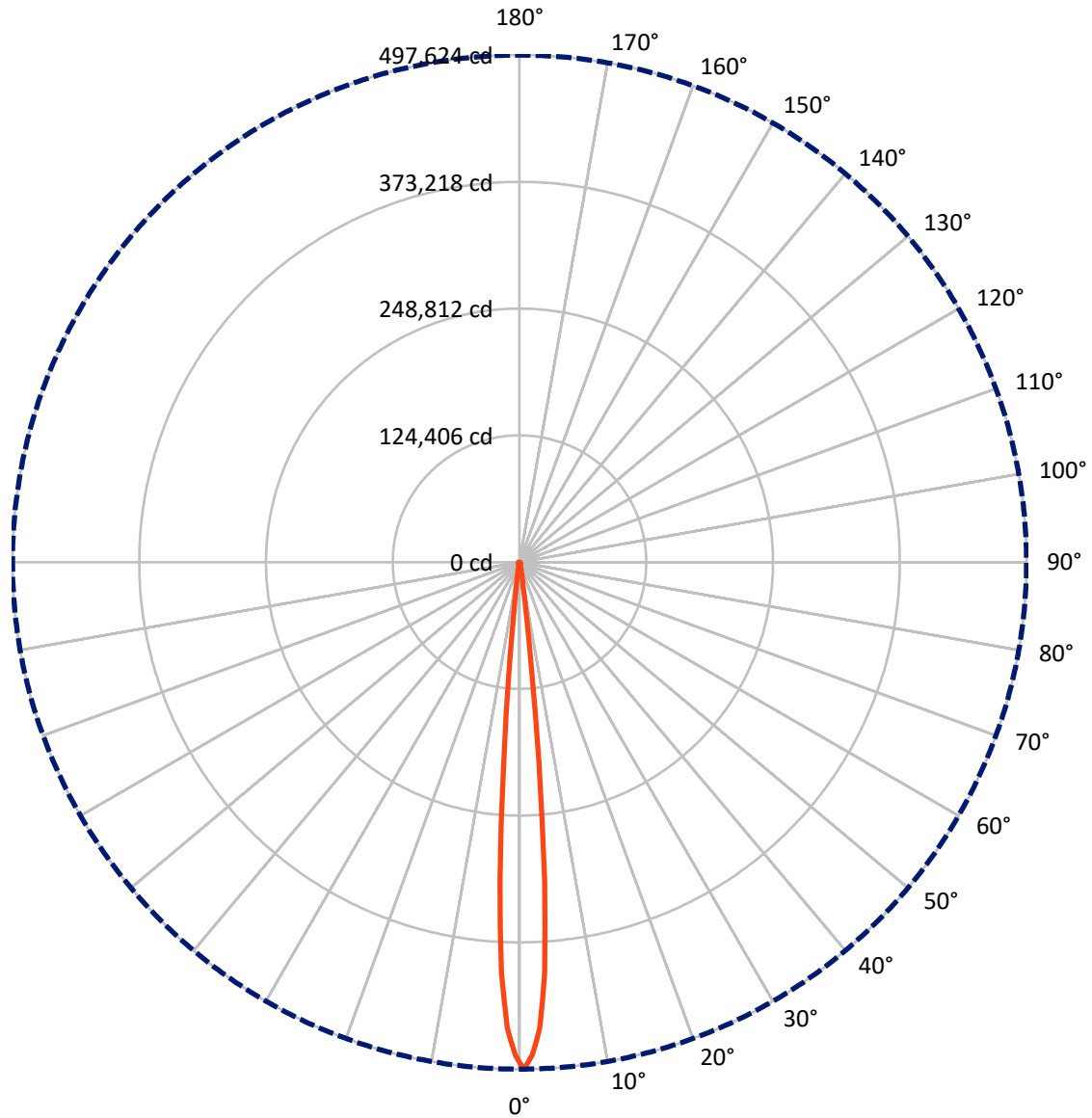
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 796.2 fc
 Type V - Short - N/A

REPORT NUMBER: P525384
CATALOG NUMBER: IFLD-L-SA8B-940-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525384
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11

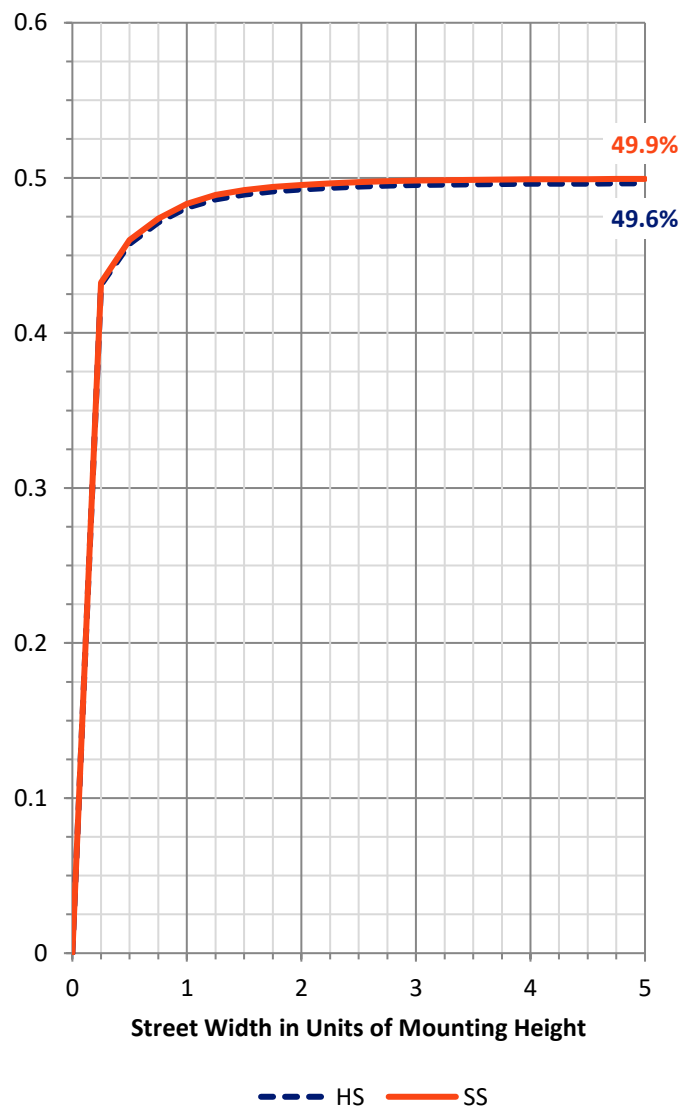
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8347.1	0.0	8347.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8347.1	0.0	8347.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	16694.1	0.0	16694.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12821.0	76.8
10°-20°	1250.5	7.5
20°-30°	668.1	4.0
30°-40°	551.0	3.3
40°-50°	613.5	3.7
50°-60°	412.6	2.5
60°-70°	263.3	1.6
70°-80°	103.9	0.6
80°-90°	10.2	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°	16694.1	100.0
0°-180°	16694.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525384

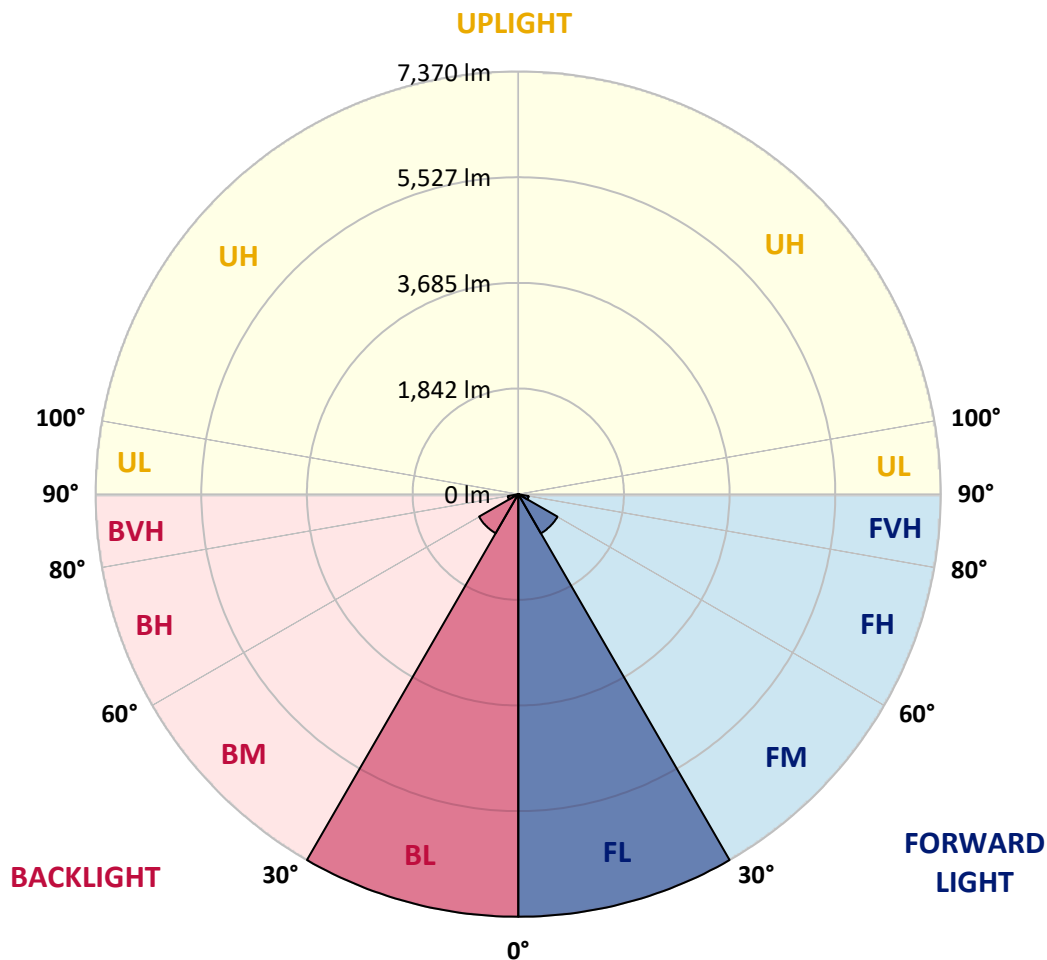
CATALOG NUMBER: IFLD-L-SA8B-940-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7369.8	44.1			
FM (30°-60°)	788.6	4.7			
FH (60°-80°)	183.6	1.1			G0/660
FVH (80°-90°)	5.1	0.0			G0/10
BL (0°-30°)	7369.8	44.1	B5		
BM (30°-60°)	788.6	4.7	B1/1000		
BH (60°-80°)	183.6	1.1	B1/500		G0/660
BVH (80°-90°)	5.1	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





REPORT NUMBER: P525384
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	497623.7	497623.7	497623.7	497623.7	497623.7	497623.7	497623.7	497623.7	497623.7	497623.7
1°	483793.3	484634.7	484786.5	483784.7	481230.2	481833.1	481755.0	481889.4	481637.9	480041.9
2°	457598.5	458843.2	457533.5	454723.1	448903.0	447515.2	442879.1	437705.2	432197.3	426676.5
3°	404129.0	406748.4	404879.2	407880.4	396075.4	394882.7	385133.4	372278.8	359250.8	348694.8
4°	313336.1	318176.1	318818.0	328723.4	319026.1	322057.6	310920.5	293061.2	273571.2	258660.9
5°	199726.9	206475.1	210282.9	219572.5	224039.5	235671.1	230245.6	212321.2	189799.7	172647.3
6°	100915.1	104588.5	114819.2	125032.6	136438.6	151873.6	153964.0	138229.8	120305.4	103842.5
7°	47042.3	48560.2	55776.8	57953.9	70994.9	87739.7	90081.6	81455.5	72001.1	59241.9
8°	24308.3	24898.1	27534.9	29152.6	36759.5	46391.7	48035.4	42605.6	38737.1	32318.5
9°	14971.0	15231.2	16220.0	16584.3	19429.3	23714.1	24295.3	22022.7	20973.2	18757.1
10°	10382.5	10521.3	10985.3	11080.8	12030.5	13440.0	13492.1	12746.1	12763.5	12208.4
12.5°	5533.9	5577.2	5707.4	5720.4	5902.5	6050.0	6015.3	6019.6	6093.3	6019.6
15°	3538.9	3560.6	3638.7	3656.0	3751.4	3803.5	3777.4	3773.1	3799.1	3751.4
17.5°	2524.1	2537.1	2593.5	2641.2	2701.9	2719.2	2710.6	2701.9	2701.9	2658.5
20°	1968.9	1986.3	2025.3	2073.0	2103.4	2133.8	2138.1	2133.8	2120.7	2099.1
22.5°	1674.0	1682.7	1695.7	1717.4	1739.1	1752.1	1760.8	1765.1	1760.8	1752.1
25°	1457.2	1465.9	1491.9	1504.9	1504.9	1509.2	1526.6	1535.3	1539.6	1522.2
27.5°	1075.5	1097.2	1136.3	1158.0	1158.0	1166.6	1179.6	1197.0	1214.3	1184.0
30°	832.7	850.0	893.4	893.4	889.1	897.7	910.7	936.8	962.8	928.1
32.5°	750.3	750.3	759.0	763.3	763.3	776.3	785.0	806.7	828.3	819.7
35°	785.0	763.3	737.3	737.3	745.9	772.0	776.3	798.0	819.7	850.0
37.5°	1140.6	1075.5	980.1	962.8	962.8	993.1	980.1	993.1	1032.2	1144.9
40°	1036.5	984.5	928.1	850.0	850.0	893.4	863.0	880.4	971.5	1040.9
42.5°	923.8	923.8	863.0	789.3	789.3	811.0	802.3	811.0	915.1	971.5
45°	854.4	854.4	837.0	719.9	737.3	750.3	750.3	750.3	889.1	906.4
47.5°	815.3	815.3	772.0	663.5	685.2	689.6	698.2	689.6	798.0	858.7
50°	728.6	737.3	663.5	585.5	611.5	611.5	624.5	607.2	689.6	789.3
52.5°	628.8	637.5	524.8	464.0	494.4	490.1	507.4	481.4	546.4	685.2
55°	559.5	555.1	433.7	377.3	412.0	407.7	416.3	386.0	442.4	589.8
57.5°	485.7	494.4	355.6	307.9	347.0	338.3	351.3	316.6	364.3	524.8
60°	429.4	442.4	303.6	260.2	299.2	290.6	303.6	264.6	312.3	472.7
62.5°	412.0	412.0	268.9	221.2	260.2	251.5	260.2	221.2	277.6	433.7
65°	490.1	464.0	242.9	182.1	221.2	212.5	221.2	182.1	242.9	416.3
67.5°	650.5	620.2	229.9	143.1	177.8	164.8	177.8	147.5	212.5	390.3
70°	338.3	360.0	229.9	112.8	134.4	134.4	130.1	112.8	177.8	286.2
72.5°	195.2	199.5	177.8	86.7	104.1	112.8	99.7	86.7	130.1	212.5
75°	108.4	121.4	112.8	65.1	78.1	86.7	73.7	65.1	91.1	151.8
77.5°	65.1	73.7	65.1	43.4	52.0	47.7	52.0	43.4	60.7	99.7
80°	34.7	34.7	34.7	26.0	26.0	30.4	30.4	26.0	34.7	52.0
82.5°	13.0	13.0	13.0	8.7	13.0	13.0	13.0	17.3	17.3	21.7
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°
497623.7
481616.2
429855.4
352697.8
262117.4
174846.1
105074.2
60785.9
33190.2
19238.5
12464.2
6102.0
3786.1
2671.5
2103.4
1756.4
1522.2
1179.6
919.4
819.7
867.4
1201.3
1105.9
975.8
902.1
845.7
780.6
667.9
581.1
511.8
459.7
429.4
416.3
386.0
281.9
208.2
134.4
73.7
43.4
21.7
4.3
4.3
0.0

OF REPORT)