

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: P525346

Luminaire Tested: **IFLD-L-SA8C-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525346
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

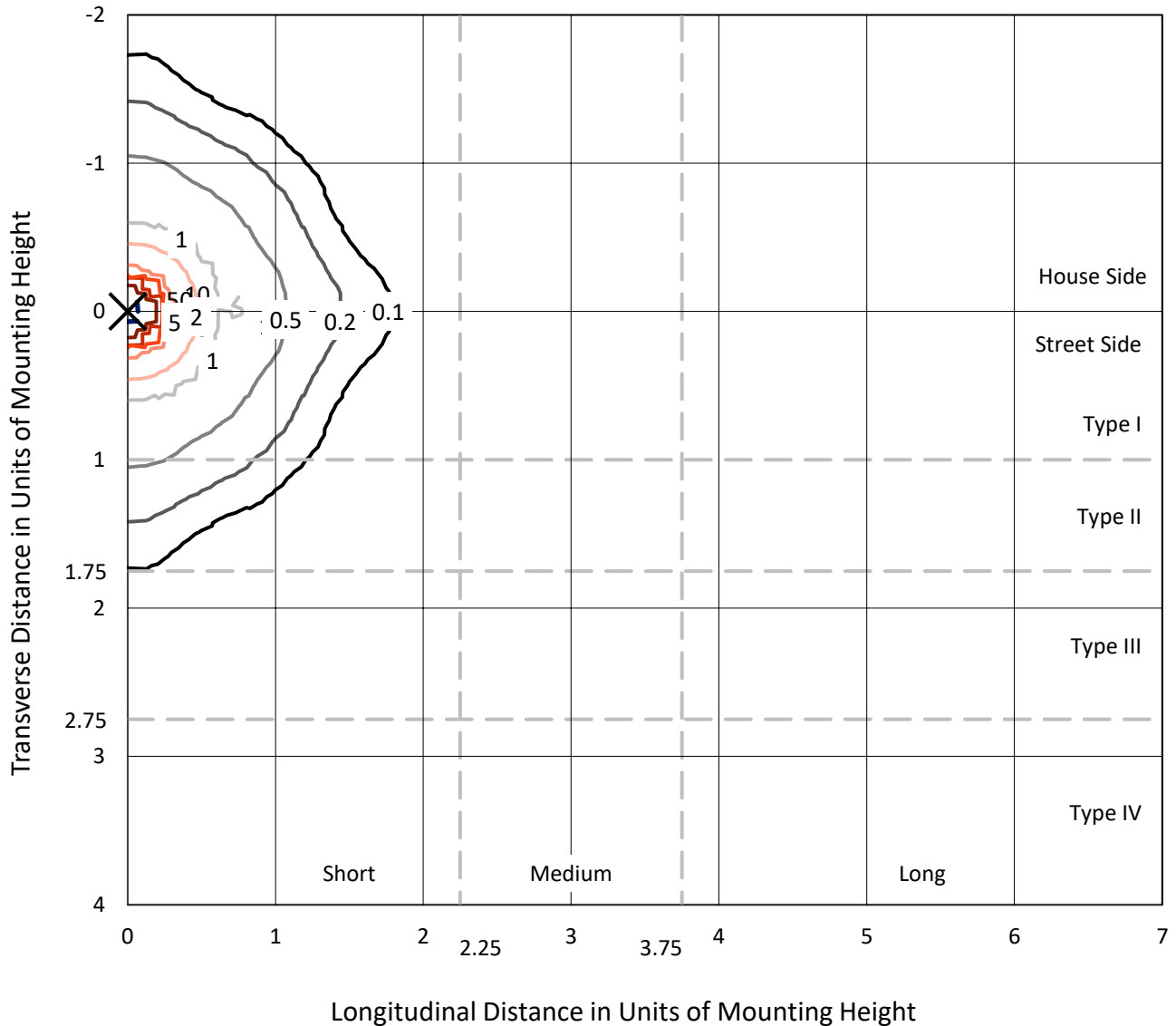
Lumens per Lamp: N/A
Luminaire Lumens: 19096.2 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 420.3
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: P525346
 CATALOG NUMBER: IFLD-L-SA8C-935-U-11

Iso-Footcandle Lines of Horizontal Illumination

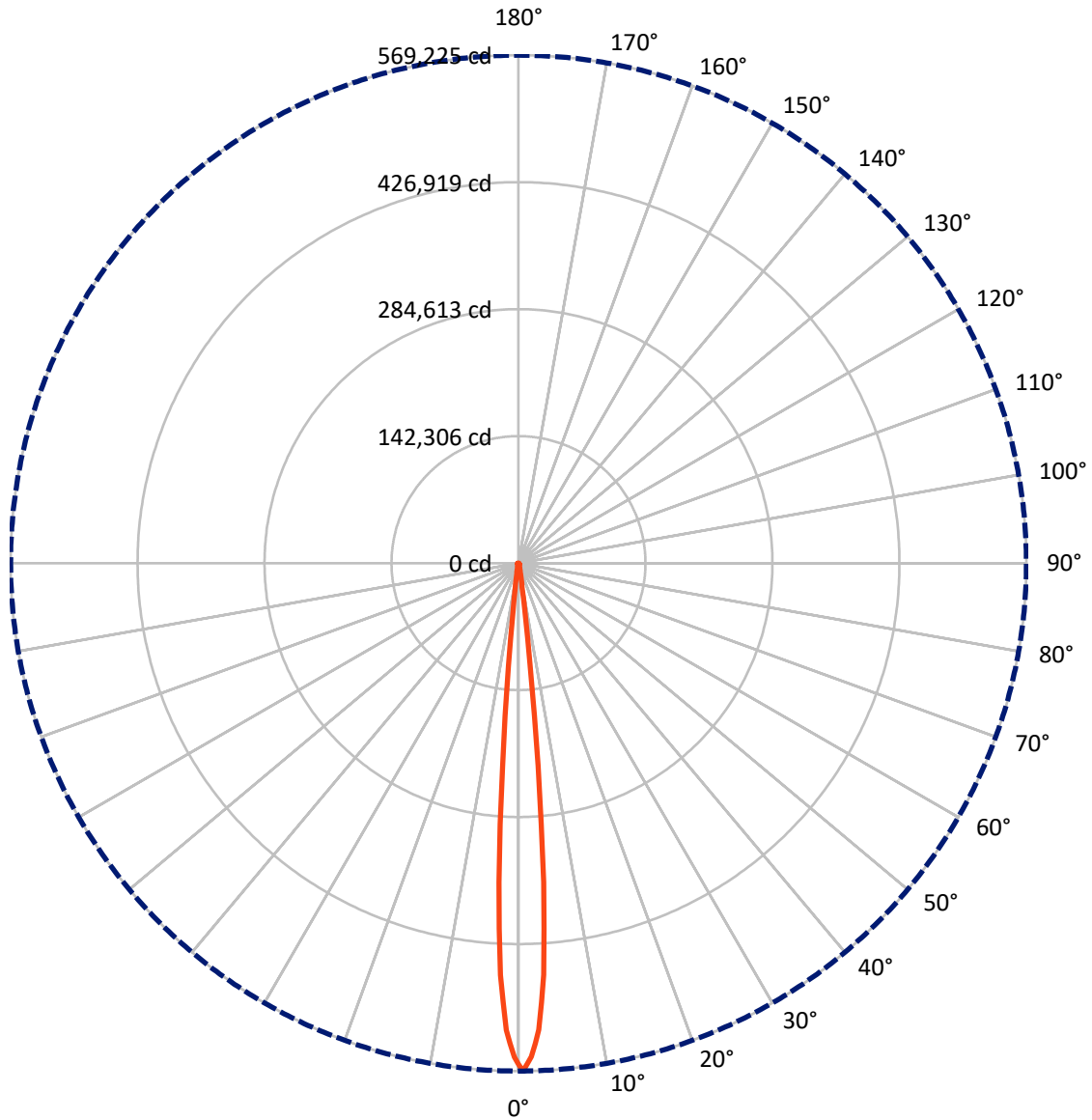
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 910.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525346
CATALOG NUMBER: IFLD-L-SA8C-935-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525346

CATALOG NUMBER: IFLD-L-SA8C-935-U-11

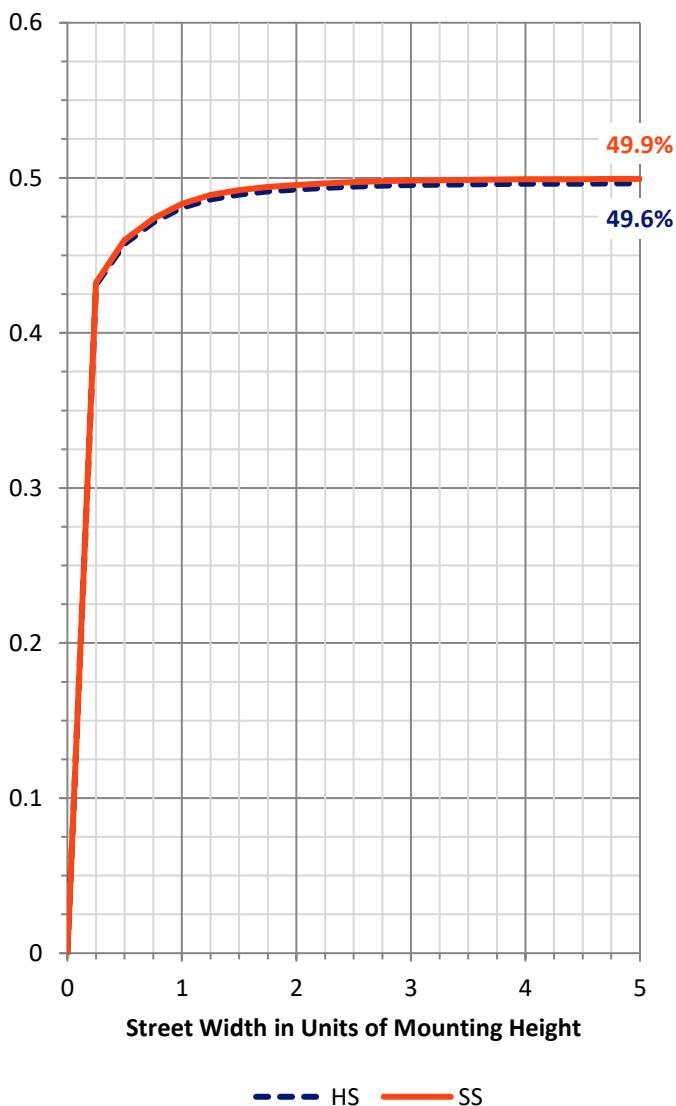
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9548.1	0.0	9548.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9548.1	0.0	9548.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19096.2	0.0	19096.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14665.8	76.8
10°-20°	1430.4	7.5
20°-30°	764.2	4.0
30°-40°	630.3	3.3
40°-50°	701.8	3.7
50°-60°	471.9	2.5
60°-70°	301.2	1.6
70°-80°	118.9	0.6
80°-90°	11.7	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°	19096.2	100.0
0°-180°	19096.2	100.0

Coefficient of Utilization



REPORT NUMBER: P525346

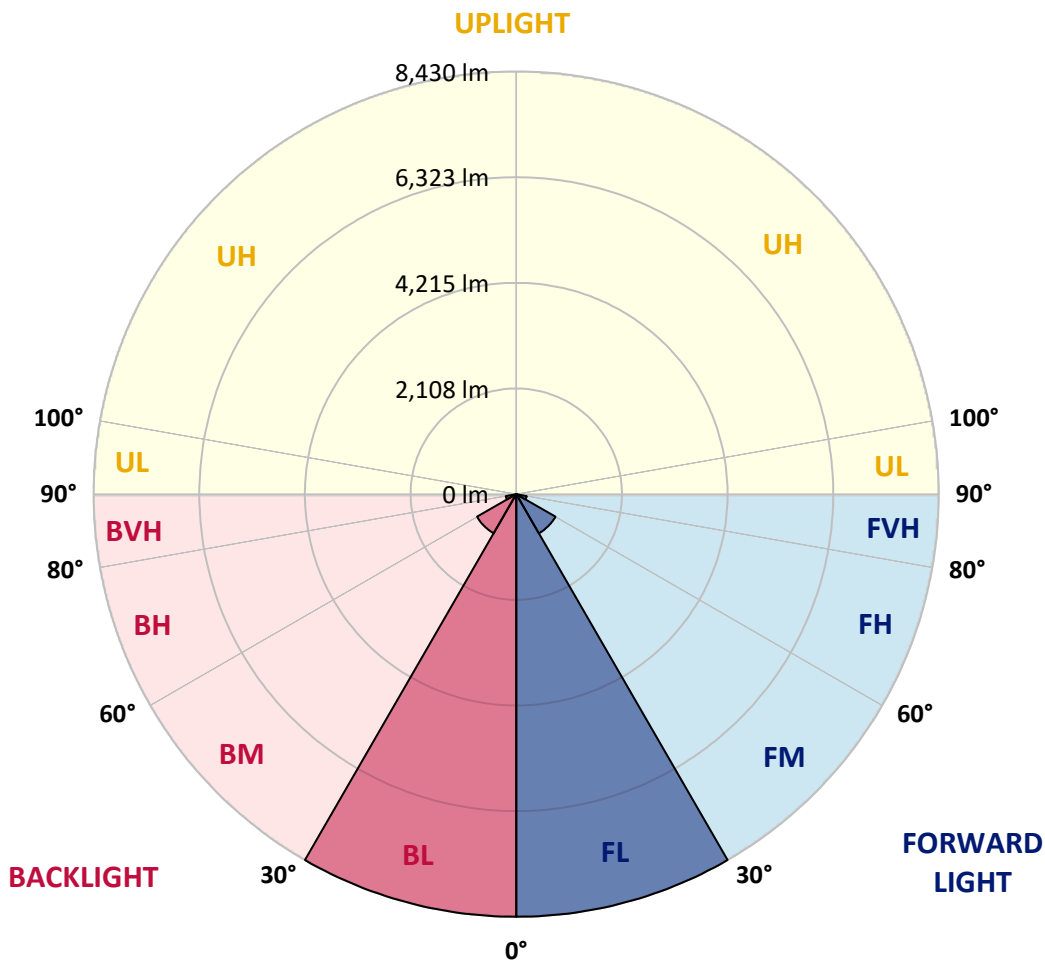
CATALOG NUMBER: IFLD-L-SA8C-935-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8430.2	44.1			
FM (30°-60°)	902.0	4.7			
FH (60°-80°)	210.0	1.1			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	8430.2	44.1	B5		
BM (30°-60°)	902.0	4.7	B1/1000		
BH (60°-80°)	210.0	1.1	B1/500		G0/660
BVH (80°-90°)	5.8	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: P525346
 CATALOG NUMBER: IFLD-L-SA8C-935-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	569225.0	569225.0	569225.0	569225.0	569225.0	569225.0	569225.0	569225.0	569225.0	569225.0
1°	553404.6	554367.1	554540.7	553394.7	550472.7	551162.3	551073.0	551226.8	550939.1	549113.4
2°	523440.7	524864.5	523366.3	520151.6	513494.1	511906.6	506603.4	500685.0	494384.7	488069.4
3°	462277.6	465274.0	463135.9	466568.8	453065.2	451701.0	440548.8	425844.7	410942.1	398867.3
4°	358420.9	363957.3	364691.5	376022.3	364929.7	368397.3	355657.7	335228.7	312934.3	295878.7
5°	228464.9	236184.1	240539.7	251166.0	256275.8	269580.9	263374.8	242871.4	217109.4	197489.0
6°	115435.5	119637.4	131340.1	143023.1	156070.3	173726.2	176117.3	158119.2	137615.7	118784.1
7°	53811.0	55547.3	63802.3	66292.7	81210.1	100364.2	103043.1	93175.9	82361.1	67766.1
8°	27805.9	28480.6	31496.8	33347.3	42048.7	53066.9	54947.1	48736.0	44310.9	36968.7
9°	17125.1	17422.7	18553.8	18970.5	22224.9	27126.3	27791.0	25191.5	23991.0	21455.9
10°	11876.4	12035.2	12566.0	12675.1	13761.6	15373.9	15433.4	14580.1	14600.0	13965.0
12.5°	6330.1	6379.7	6528.6	6543.4	6751.8	6920.5	6880.8	6885.7	6970.1	6885.7
15°	4048.1	4072.9	4162.2	4182.0	4291.2	4350.7	4321.0	4316.0	4345.8	4291.2
17.5°	2887.3	2902.1	2966.6	3021.2	3090.6	3110.5	3100.6	3090.6	3090.6	3041.0
20°	2252.3	2272.1	2316.7	2371.3	2406.0	2440.8	2445.7	2440.8	2425.9	2401.1
22.5°	1914.9	1924.8	1939.7	1964.5	1989.3	2004.2	2014.1	2019.1	2014.1	2004.2
25°	1666.9	1676.8	1706.6	1721.4	1721.4	1726.4	1746.2	1756.2	1761.1	1741.3
27.5°	1230.3	1255.1	1299.8	1324.6	1324.6	1334.5	1349.4	1369.2	1389.1	1354.3
30°	952.5	972.3	1021.9	1021.9	1017.0	1026.9	1041.8	1071.6	1101.3	1061.6
32.5°	858.2	858.2	868.2	873.1	873.1	888.0	897.9	922.7	947.5	937.6
35°	897.9	873.1	843.4	843.4	853.3	883.0	888.0	912.8	937.6	972.3
37.5°	1304.7	1230.3	1121.2	1101.3	1101.3	1136.0	1121.2	1136.0	1180.7	1309.7
40°	1185.7	1126.1	1061.6	972.3	972.3	1021.9	987.2	1007.1	1111.2	1190.6
42.5°	1056.7	1056.7	987.2	902.9	902.9	927.7	917.8	927.7	1046.8	1111.2
45°	977.3	977.3	957.5	823.5	843.4	858.2	858.2	858.2	1017.0	1036.8
47.5°	932.7	932.7	883.0	759.0	783.8	788.8	798.7	788.8	912.8	982.3
50°	833.4	843.4	759.0	669.7	699.5	699.5	714.4	694.5	788.8	902.9
52.5°	719.3	729.3	600.3	530.8	565.5	560.6	580.4	550.7	625.1	783.8
55°	640.0	635.0	496.1	431.6	471.3	466.3	476.2	441.5	506.0	674.7
57.5°	555.6	565.5	406.8	352.2	396.9	387.0	401.8	362.1	416.7	600.3
60°	491.1	506.0	347.3	297.7	342.3	332.4	347.3	302.6	357.2	540.7
62.5°	471.3	471.3	307.6	253.0	297.7	287.7	297.7	253.0	317.5	496.1
65°	560.6	530.8	277.8	208.4	253.0	243.1	253.0	208.4	277.8	476.2
67.5°	744.1	709.4	262.9	163.7	203.4	188.5	203.4	168.7	243.1	446.5
70°	387.0	411.8	262.9	129.0	153.8	153.8	148.8	129.0	203.4	327.4
72.5°	223.2	228.2	203.4	99.2	119.1	129.0	114.1	99.2	148.8	243.1
75°	124.0	138.9	129.0	74.4	89.3	99.2	84.3	74.4	104.2	173.6
77.5°	74.4	84.3	74.4	49.6	59.5	54.6	59.5	49.6	69.5	114.1
80°	39.7	39.7	39.7	29.8	29.8	34.7	34.7	29.8	39.7	59.5
82.5°	14.9	14.9	14.9	9.9	14.9	14.9	14.9	19.8	19.8	24.8
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
569225.0
550914.3
491705.8
403446.2
299832.6
200004.1
120193.0
69532.1
37965.9
22006.6
14257.7
6980.0
4330.9
3055.9
2406.0
2009.2
1741.3
1349.4
1051.7
937.6
992.2
1374.2
1265.0
1116.2
1031.9
967.4
893.0
764.0
664.8
585.4
525.9
491.1
476.2
441.5
322.5
238.1
153.8
84.3
49.6
24.8
5.0
5.0
0.0

OF REPORT)