

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: P525344

Luminaire Tested: **IFLD-L-SA8A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525344
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-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

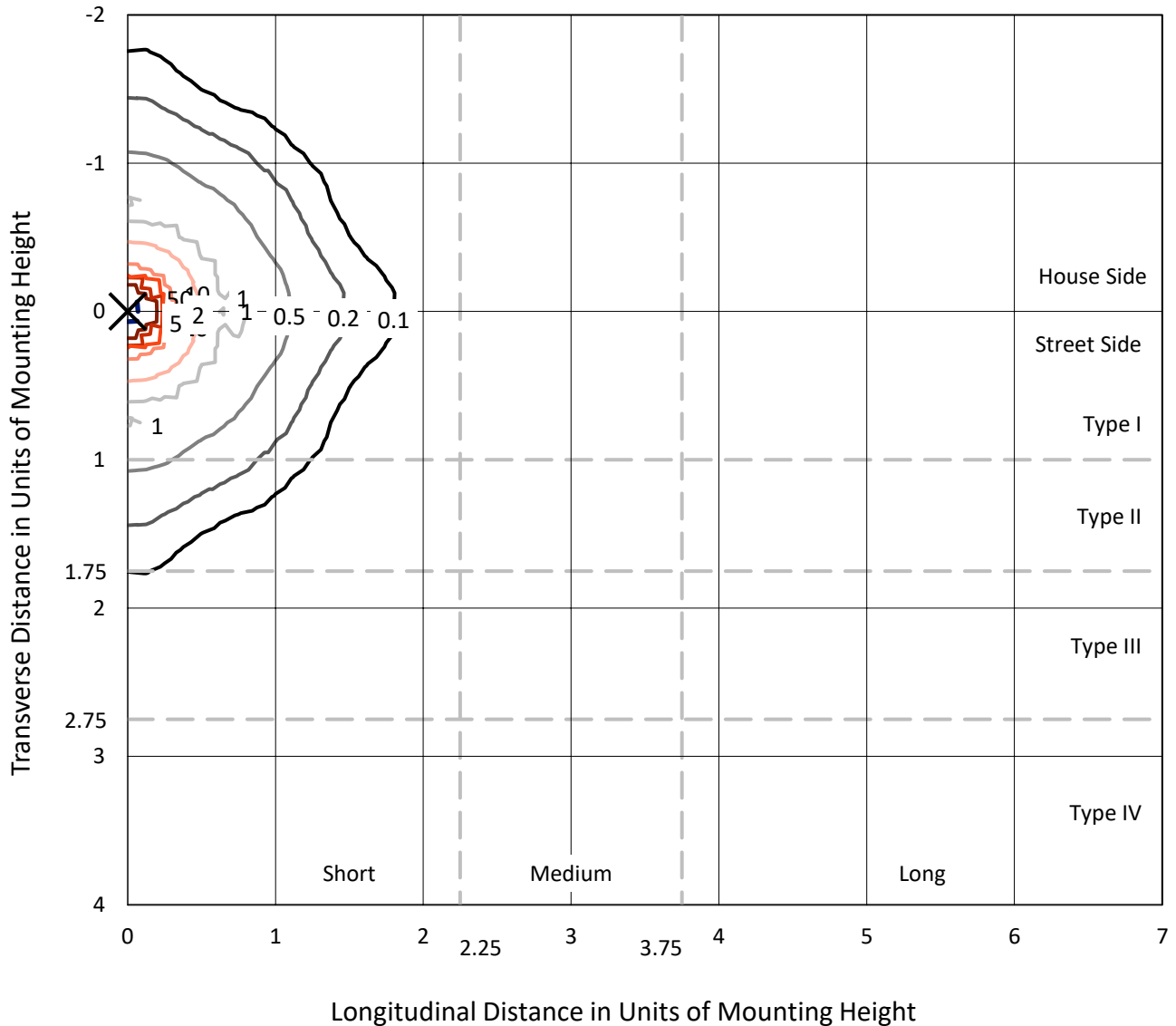
Lumens per Lamp: N/A
Luminaire Lumens: 12911.7 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 247.8
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: P525344
 CATALOG NUMBER: IFLD-L-SA8A-935-U-11

Iso-Footcandle Lines of Horizontal Illumination

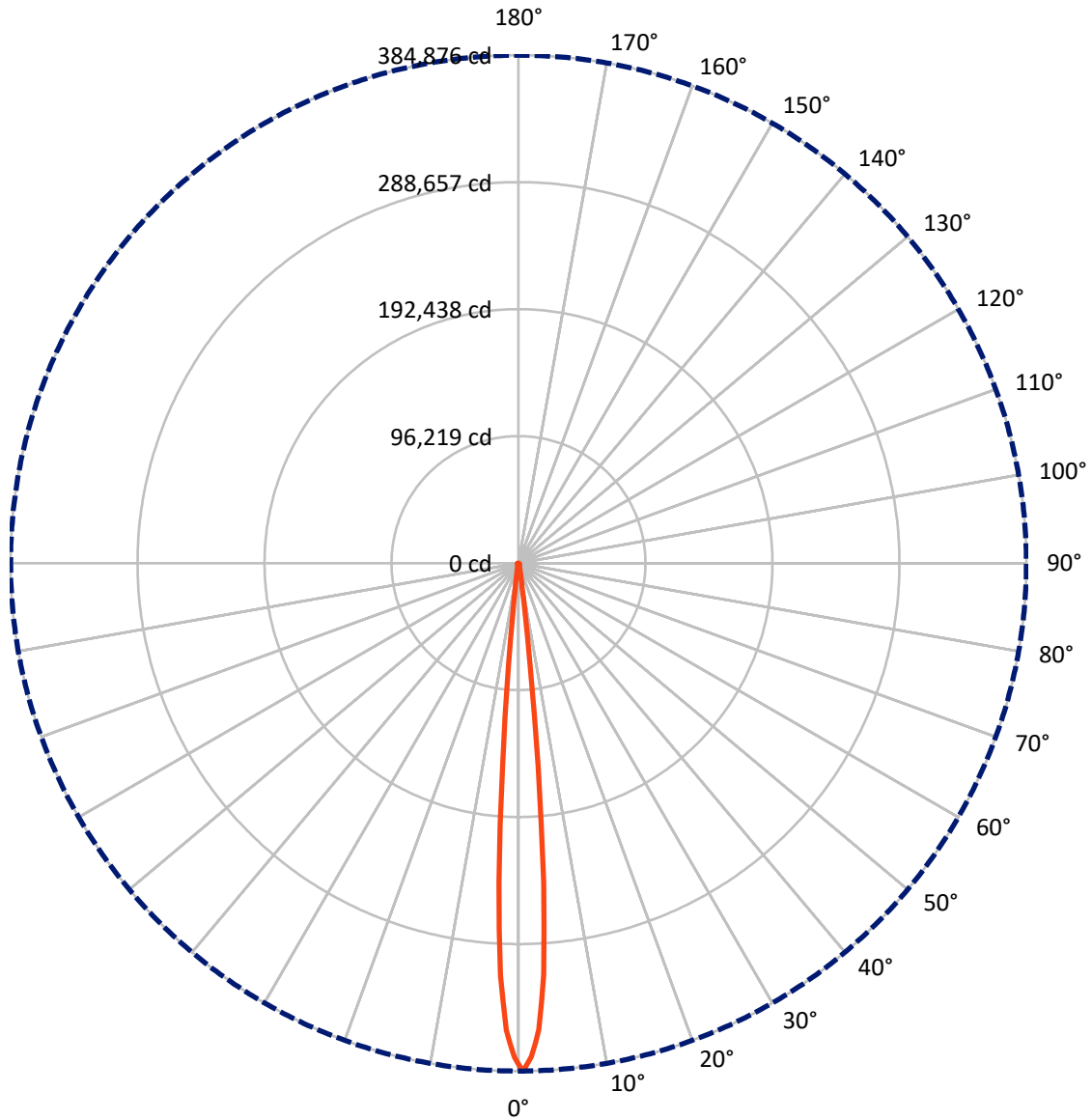
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 962.2 fc
 Type V - Short - N/A

REPORT NUMBER: P525344
CATALOG NUMBER: IFLD-L-SA8A-935-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525344

CATALOG NUMBER: IFLD-L-SA8A-935-U-11

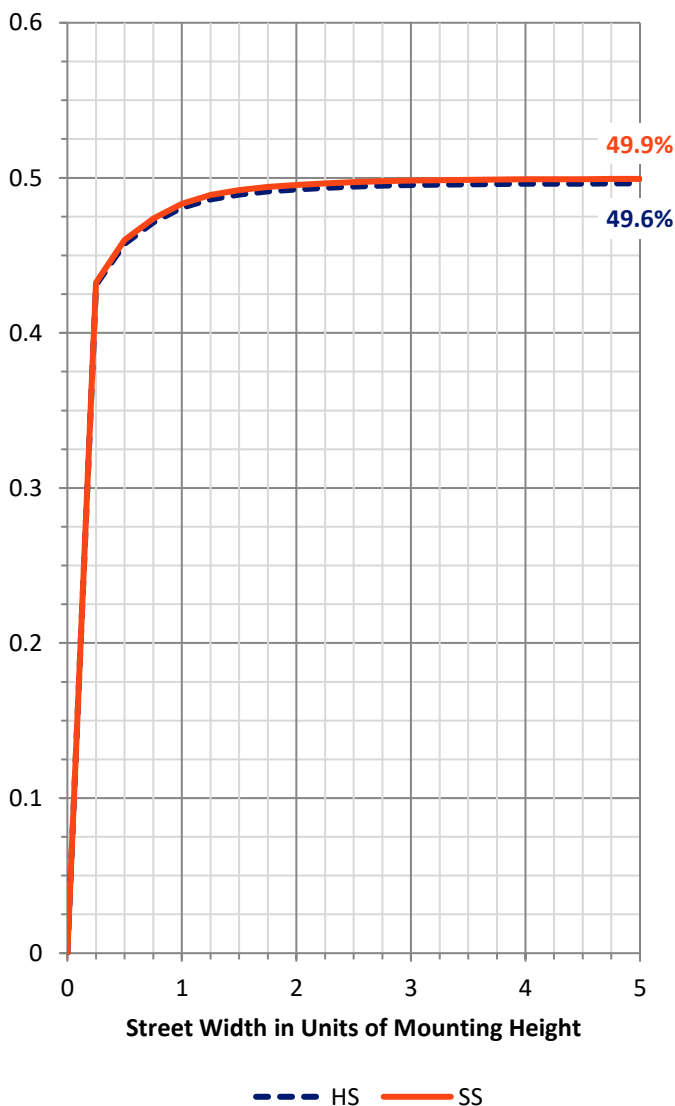
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6455.9	0.0	6455.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6455.9	0.0	6455.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12911.7	0.0	12911.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9916.1	76.8
10°-20°	967.2	7.5
20°-30°	516.7	4.0
30°-40°	426.2	3.3
40°-50°	474.5	3.7
50°-60°	319.1	2.5
60°-70°	203.6	1.6
70°-80°	80.4	0.6
80°-90°	7.9	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°	12911.7	100.0
0°-180°	12911.7	100.0

Coefficient of Utilization



REPORT NUMBER: P525344

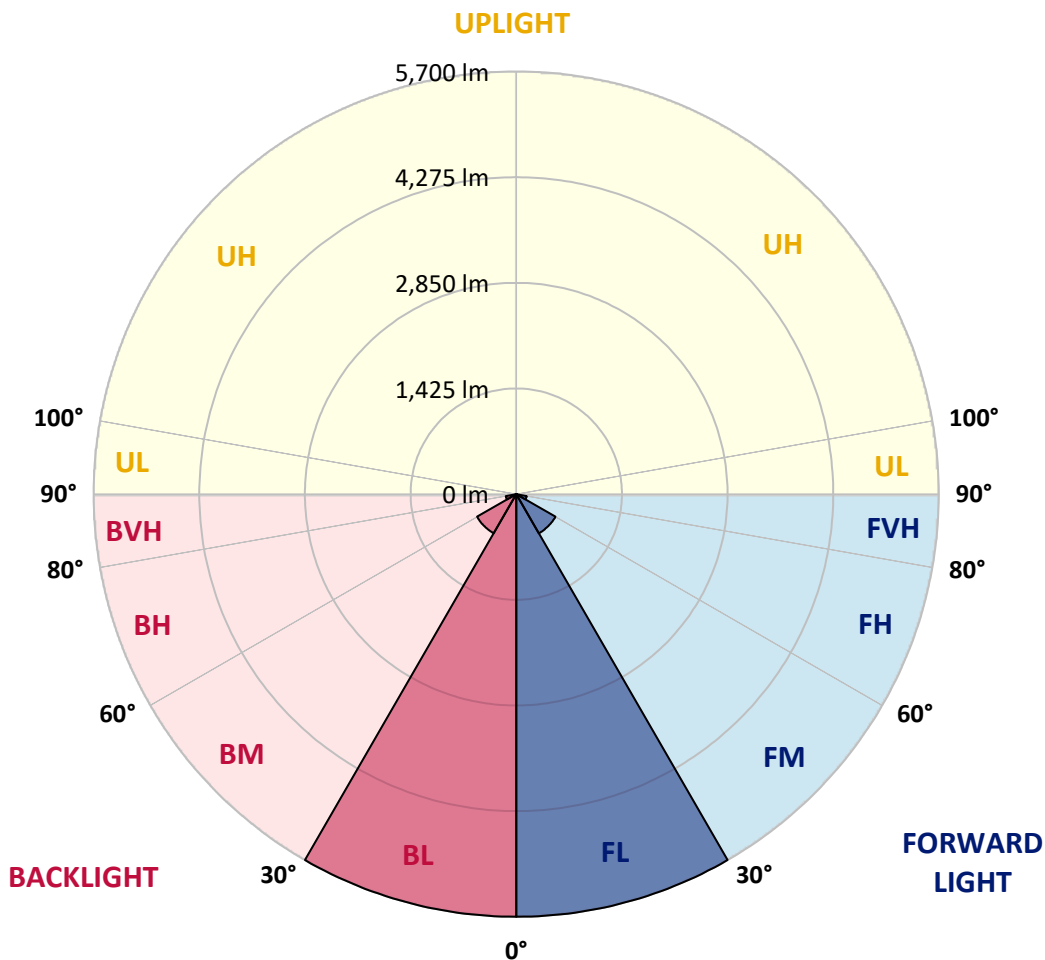
CATALOG NUMBER: IFLD-L-SA8A-935-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5700.0	44.1			
FM (30°-60°)	609.9	4.7			
FH (60°-80°)	142.0	1.1			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	5700.0	44.1	B5		
BM (30°-60°)	609.9	4.7	B1/1000		
BH (60°-80°)	142.0	1.1	B1/500		G0/660
BVH (80°-90°)	3.9	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: P525344
 CATALOG NUMBER: IFLD-L-SA8A-935-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	384875.7	384875.7	384875.7	384875.7	384875.7	384875.7	384875.7	384875.7	384875.7	384875.7
1°	374179.0	374829.7	374947.1	374172.3	372196.6	372662.8	372602.5	372706.4	372511.9	371277.5
2°	353919.2	354881.8	353868.9	351695.3	347193.9	346120.5	342534.8	338533.1	334273.2	330003.2
3°	312564.4	314590.3	313144.7	315465.8	306335.5	305413.1	297872.7	287930.6	277854.4	269690.1
4°	242342.7	246086.1	246582.5	254243.7	246743.5	249088.1	240474.4	226661.5	211587.4	200055.4
5°	154474.2	159693.5	162638.5	169823.4	173278.3	182274.4	178078.2	164215.0	146796.3	133530.2
6°	78050.5	80891.6	88804.3	96703.6	105525.4	117463.2	119080.0	106910.7	93047.5	80314.7
7°	36383.8	37557.8	43139.3	44823.1	54909.4	67860.3	69671.6	62999.9	55687.6	45819.3
8°	18800.7	19256.9	21296.3	22547.4	28430.8	35880.6	37151.9	32952.4	29960.3	24996.0
9°	11578.9	11780.2	12545.0	12826.7	15027.1	18341.2	18790.6	17033.0	16221.3	14507.2
10°	8030.1	8137.5	8496.4	8570.2	9304.7	10394.9	10435.1	9858.2	9871.6	9442.3
12.5°	4280.0	4313.6	4414.2	4424.3	4565.2	4679.2	4652.4	4655.7	4712.8	4655.7
15°	2737.1	2753.9	2814.2	2827.7	2901.4	2941.7	2921.6	2918.2	2938.3	2901.4
17.5°	1952.2	1962.2	2005.9	2042.8	2089.7	2103.1	2096.4	2089.7	2089.7	2056.2
20°	1522.8	1536.3	1566.4	1603.3	1626.8	1650.3	1653.7	1650.3	1640.2	1623.5
22.5°	1294.7	1301.5	1311.5	1328.3	1345.1	1355.1	1361.8	1365.2	1361.8	1355.1
25°	1127.0	1133.7	1153.9	1163.9	1163.9	1167.3	1180.7	1187.4	1190.8	1177.3
27.5°	831.9	848.6	878.8	895.6	895.6	902.3	912.4	925.8	939.2	915.7
30°	644.0	657.4	691.0	691.0	687.6	694.3	704.4	724.5	744.6	717.8
32.5°	580.3	580.3	587.0	590.4	590.4	600.4	607.1	623.9	640.7	634.0
35°	607.1	590.4	570.2	570.2	576.9	597.1	600.4	617.2	634.0	657.4
37.5°	882.2	831.9	758.1	744.6	744.6	768.1	758.1	768.1	798.3	885.5
40°	801.7	761.4	717.8	657.4	657.4	691.0	667.5	680.9	751.4	805.0
42.5°	714.5	714.5	667.5	610.5	610.5	627.2	620.5	627.2	707.8	751.4
45°	660.8	660.8	647.4	556.8	570.2	580.3	580.3	580.3	687.6	701.0
47.5°	630.6	630.6	597.1	513.2	530.0	533.3	540.0	533.3	617.2	664.1
50°	563.5	570.2	513.2	452.8	473.0	473.0	483.0	469.6	533.3	610.5
52.5°	486.4	493.1	405.9	358.9	382.4	379.0	392.4	372.3	422.6	530.0
55°	432.7	429.3	335.4	291.8	318.7	315.3	322.0	298.5	342.1	456.2
57.5°	375.7	382.4	275.1	238.2	268.3	261.6	271.7	244.9	281.8	405.9
60°	332.1	342.1	234.8	201.3	231.4	224.7	234.8	204.6	241.5	365.6
62.5°	318.7	318.7	208.0	171.1	201.3	194.5	201.3	171.1	214.7	335.4
65°	379.0	358.9	187.8	140.9	171.1	164.4	171.1	140.9	187.8	322.0
67.5°	503.1	479.7	177.8	110.7	137.5	127.5	137.5	114.0	164.4	301.9
70°	261.6	278.4	177.8	87.2	104.0	104.0	100.6	87.2	137.5	221.4
72.5°	150.9	154.3	137.5	67.1	80.5	87.2	77.1	67.1	100.6	164.4
75°	83.9	93.9	87.2	50.3	60.4	67.1	57.0	50.3	70.4	117.4
77.5°	50.3	57.0	50.3	33.5	40.3	36.9	40.3	33.5	47.0	77.1
80°	26.8	26.8	26.8	20.1	20.1	23.5	23.5	20.1	26.8	40.3
82.5°	10.1	10.1	10.1	6.7	10.1	10.1	10.1	13.4	13.4	16.8
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
384875.7
372495.1
332461.9
272786.1
202728.8
135230.8
81267.3
47013.5
25670.2
14879.5
9640.2
4719.5
2928.3
2066.2
1626.8
1358.5
1177.3
912.4
711.1
634.0
670.9
929.1
855.3
754.7
697.7
654.1
603.8
516.6
449.5
395.8
355.6
332.1
322.0
298.5
218.0
161.0
104.0
57.0
33.5
16.8
3.4
3.4
0.0

OF REPORT)