

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: P525329

Luminaire Tested: **IFLD-S-SA6A-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525329
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

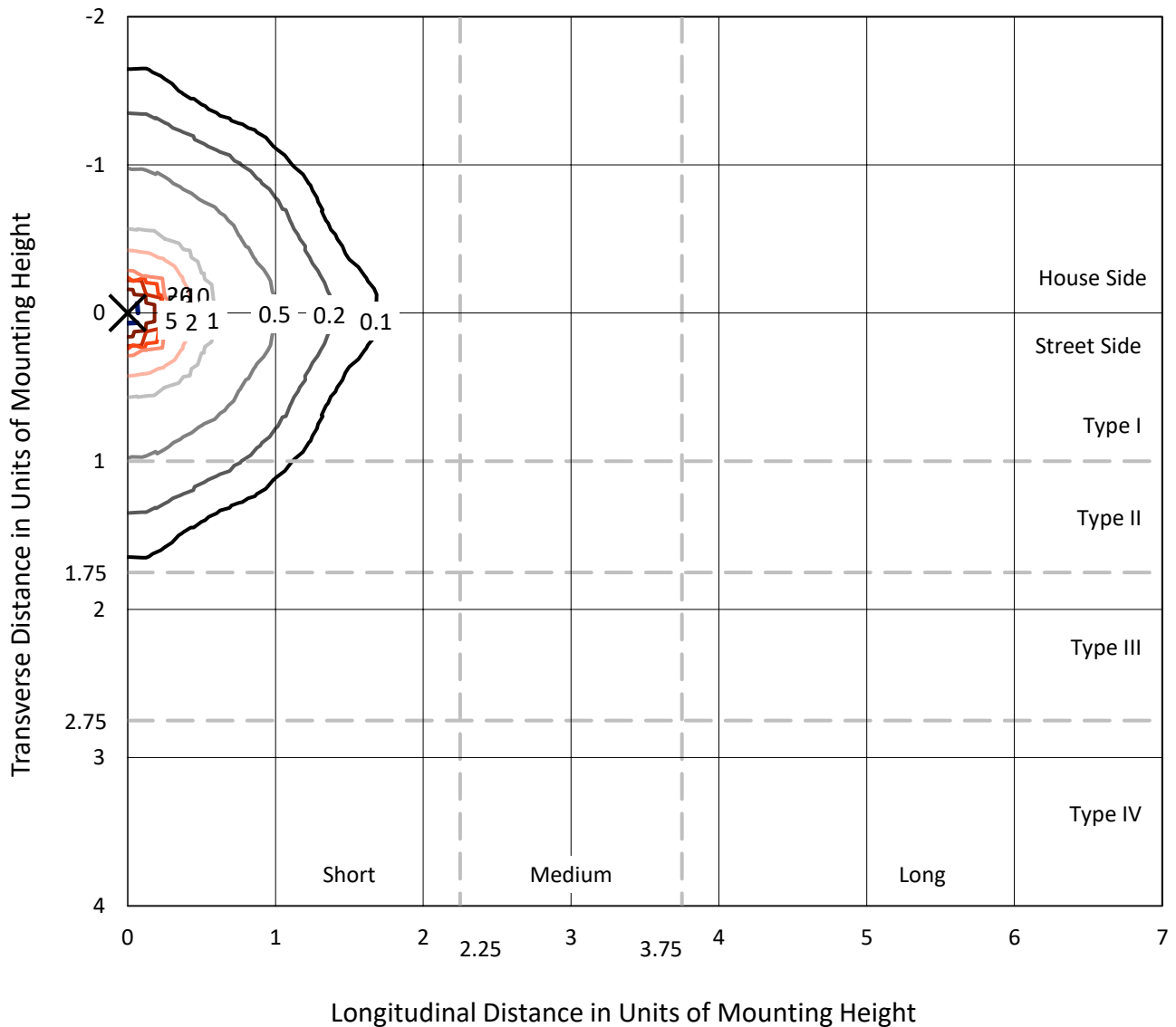
Lumens per Lamp: N/A
Luminaire Lumens: 10341.8 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 189.6
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: P525329
 CATALOG NUMBER: IFLD-S-SA6A-935-U-11

Iso-Footcandle Lines of Horizontal Illumination

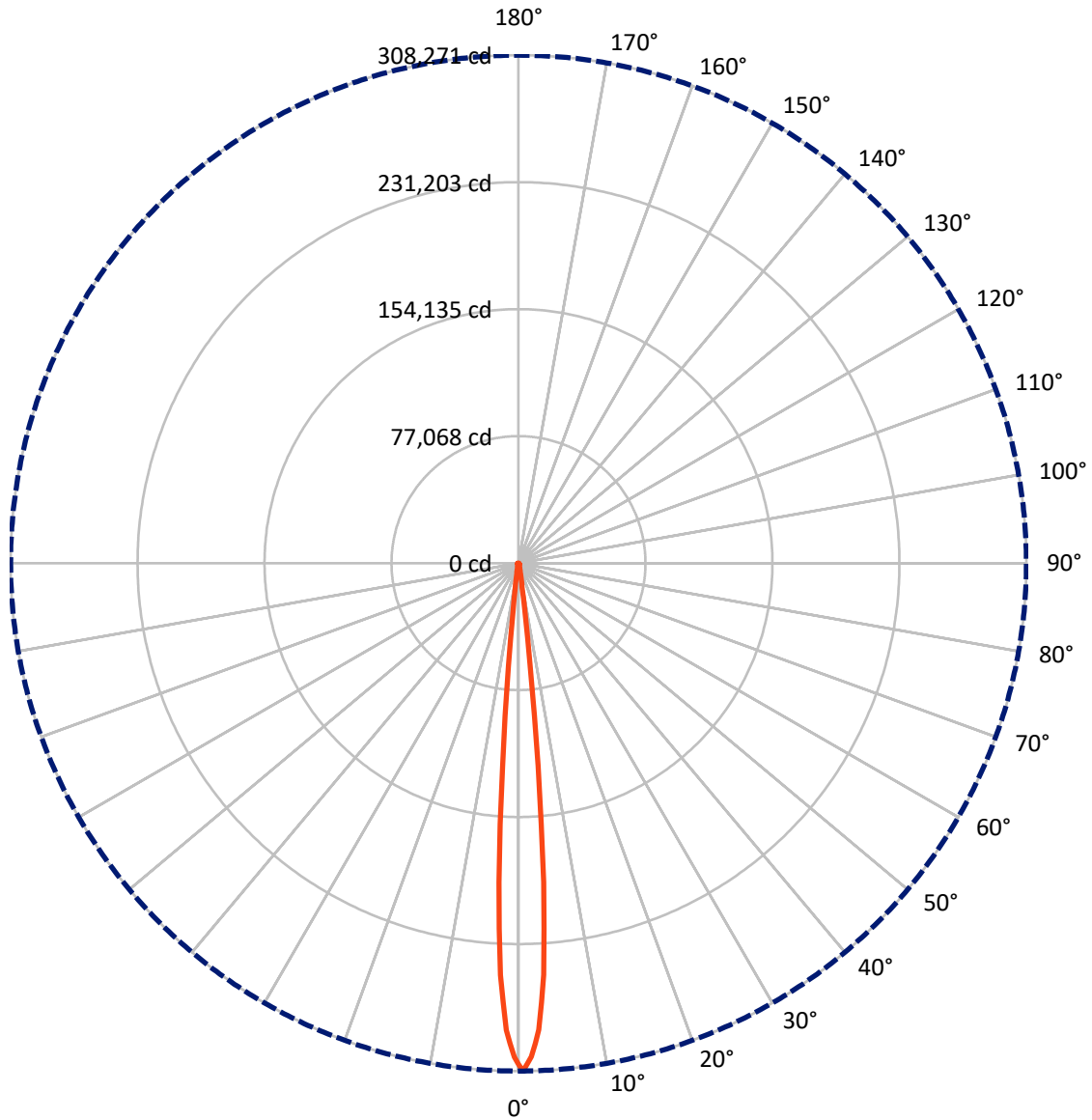
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 770.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525329
CATALOG NUMBER: IFLD-S-SA6A-935-U-11

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525329
 CATALOG NUMBER: IFLD-S-SA6A-935-U-11

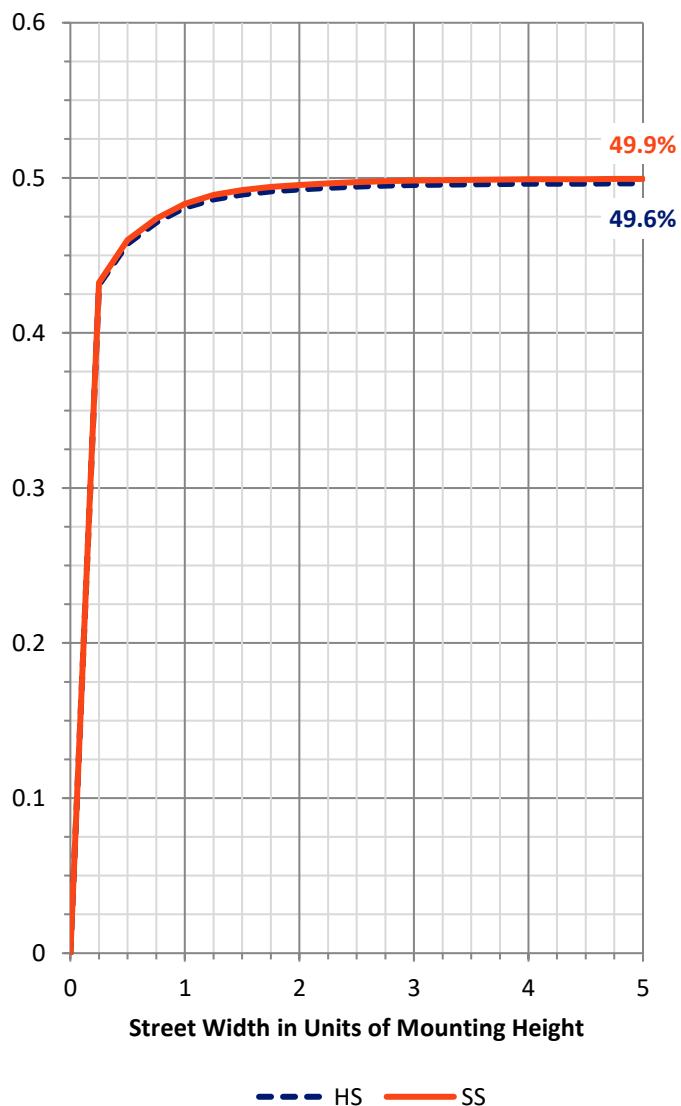
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5170.9	0.0	5170.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5170.9	0.0	5170.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10341.8	0.0	10341.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7942.4	76.8
10°-20°	774.7	7.5
20°-30°	413.9	4.0
30°-40°	341.3	3.3
40°-50°	380.1	3.7
50°-60°	255.6	2.5
60°-70°	163.1	1.6
70°-80°	64.4	0.6
80°-90°	6.3	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°	10341.8	100.0
0°-180°	10341.8	100.0

Coefficient of Utilization

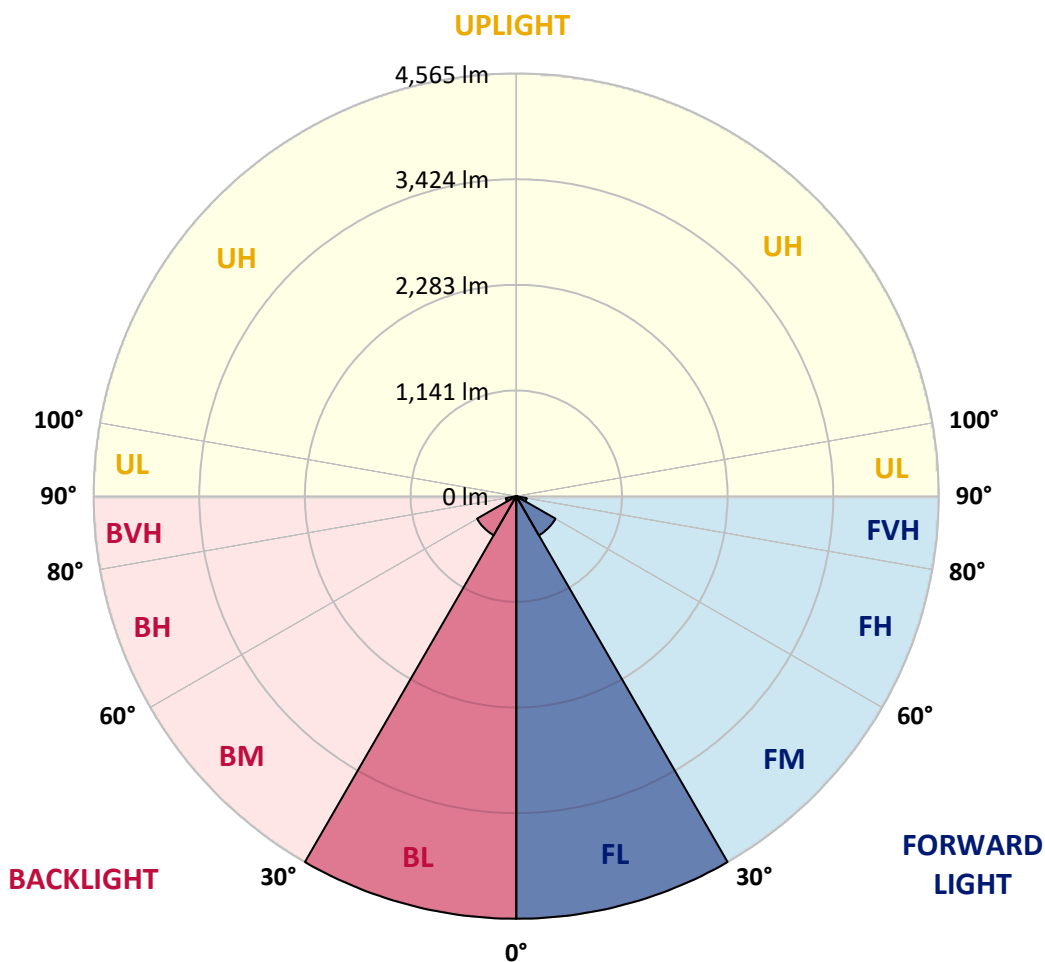


REPORT NUMBER: P525329
 CATALOG NUMBER: IFLD-S-SA6A-935-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4565.5	44.1			
FM (30°-60°)	488.5	4.7			
FH (60°-80°)	113.7	1.1			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	4565.5	44.1	B4/5000		
BM (30°-60°)	488.5	4.7	B1/1000		
BH (60°-80°)	113.7	1.1	B1/500		G0/660
BVH (80°-90°)	3.2	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





REPORT NUMBER: P525329
 CATALOG NUMBER: IFLD-S-SA6A-935-U-11

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	308270.7	308270.7	308270.7	308270.7	308270.7	308270.7	308270.7	308270.7	308270.7	308270.7
1°	299703.0	300224.2	300318.3	299697.7	298115.2	298488.7	298440.3	298523.6	298367.8	297379.1
2°	283475.7	284246.8	283435.4	281694.5	278089.0	277229.3	274357.2	271152.1	267740.0	264320.0
3°	250352.1	251974.8	250816.9	252676.0	245363.0	244624.2	238584.6	230621.4	222550.7	216011.4
4°	194107.2	197105.5	197503.2	203639.4	197632.1	199510.1	192610.8	181547.2	169473.4	160236.7
5°	123727.9	127908.4	130267.2	136022.0	138789.3	145994.8	142633.9	131530.0	117578.2	106952.6
6°	62515.5	64791.1	71128.9	77455.9	84521.8	94083.5	95378.5	85631.4	74527.5	64329.0
7°	29142.0	30082.3	34552.9	35901.6	43980.3	54353.5	55804.3	50460.5	44603.6	36699.5
8°	15058.6	15424.0	17057.5	18059.6	22772.0	28739.0	29757.3	26393.6	23997.1	20020.9
9°	9274.3	9435.5	10048.0	10273.7	12036.2	14690.6	15050.6	13642.8	12992.6	11619.7
10°	6431.8	6517.8	6805.3	6864.4	7452.7	8325.9	8358.1	7896.0	7906.8	7562.9
12.5°	3428.2	3455.0	3535.6	3543.7	3656.5	3747.9	3726.4	3729.1	3774.7	3729.1
15°	2192.3	2205.7	2254.1	2264.8	2323.9	2356.2	2340.1	2337.4	2353.5	2323.9
17.5°	1563.6	1571.7	1606.6	1636.2	1673.8	1684.5	1679.2	1673.8	1673.8	1646.9
20°	1219.7	1230.5	1254.7	1284.2	1303.0	1321.8	1324.5	1321.8	1313.8	1300.3
22.5°	1037.0	1042.4	1050.5	1063.9	1077.3	1085.4	1090.8	1093.5	1090.8	1085.4
25°	902.7	908.1	924.2	932.3	932.3	935.0	945.7	951.1	953.8	943.0
27.5°	666.3	679.7	703.9	717.3	717.3	722.7	730.8	741.5	752.3	733.5
30°	515.8	526.6	553.4	553.4	550.8	556.1	564.2	580.3	596.4	574.9
32.5°	464.8	464.8	470.2	472.8	472.8	480.9	486.3	499.7	513.1	507.8
35°	486.3	472.8	456.7	456.7	462.1	478.2	480.9	494.3	507.8	526.6
37.5°	706.6	666.3	607.2	596.4	596.4	615.2	607.2	615.2	639.4	709.3
40°	642.1	609.9	574.9	526.6	526.6	553.4	534.6	545.4	601.8	644.8
42.5°	572.3	572.3	534.6	489.0	489.0	502.4	497.0	502.4	566.9	601.8
45°	529.3	529.3	518.5	446.0	456.7	464.8	464.8	464.8	550.8	561.5
47.5°	505.1	505.1	478.2	411.1	424.5	427.2	432.5	427.2	494.3	532.0
50°	451.4	456.7	411.1	362.7	378.8	378.8	386.9	376.1	427.2	489.0
52.5°	389.6	394.9	325.1	287.5	306.3	303.6	314.3	298.2	338.5	424.5
55°	346.6	343.9	268.7	233.7	255.2	252.5	257.9	239.1	274.0	365.4
57.5°	300.9	306.3	220.3	190.8	214.9	209.6	217.6	196.1	225.7	325.1
60°	266.0	274.0	188.1	161.2	185.4	180.0	188.1	163.9	193.4	292.8
62.5°	255.2	255.2	166.6	137.0	161.2	155.8	161.2	137.0	171.9	268.7
65°	303.6	287.5	150.5	112.8	137.0	131.6	137.0	112.8	150.5	257.9
67.5°	403.0	384.2	142.4	88.7	110.2	102.1	110.2	91.3	131.6	241.8
70°	209.6	223.0	142.4	69.9	83.3	83.3	80.6	69.9	110.2	177.3
72.5°	120.9	123.6	110.2	53.7	64.5	69.9	61.8	53.7	80.6	131.6
75°	67.2	75.2	69.9	40.3	48.4	53.7	45.7	40.3	56.4	94.0
77.5°	40.3	45.7	40.3	26.9	32.2	29.6	32.2	26.9	37.6	61.8
80°	21.5	21.5	21.5	16.1	16.1	18.8	18.8	16.1	21.5	32.2
82.5°	8.1	8.1	8.1	5.4	8.1	8.1	8.1	10.7	10.7	13.4
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
308270.7
298354.3
266289.3
218491.2
162378.0
108314.7
65092.0
37656.0
20560.9
11917.9
7721.4
3780.1
2345.4
1655.0
1303.0
1088.1
943.0
730.8
569.6
507.8
537.3
744.2
685.1
604.5
558.8
523.9
483.6
413.7
360.0
317.0
284.8
266.0
257.9
239.1
174.6
129.0
83.3
45.7
26.9
13.4
2.7
2.7
0.0

OF REPORT)