

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: P636196

Luminaire Tested: **IFLD-S-SA6A-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636196
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17150.2 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

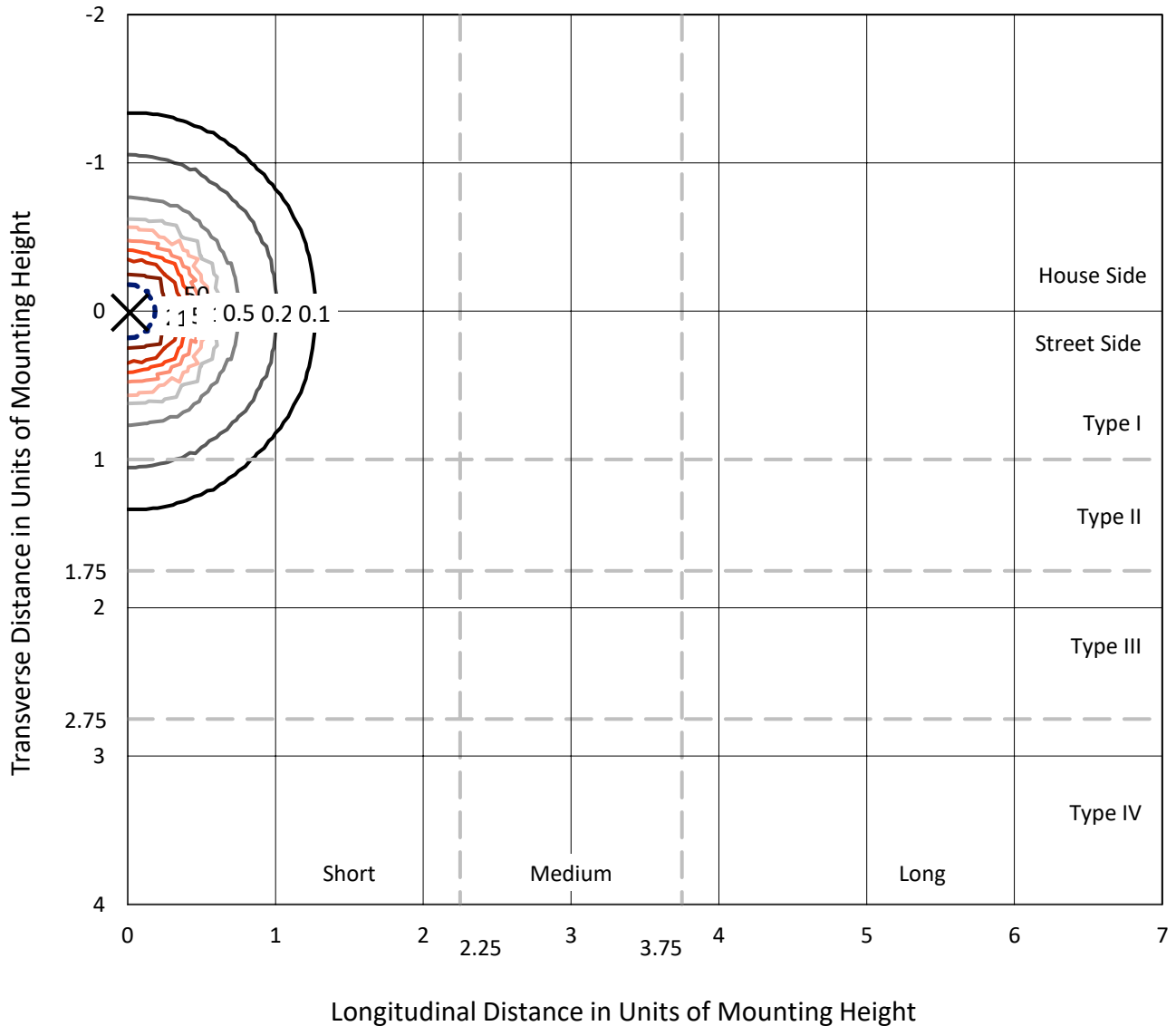
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636196
 CATALOG NUMBER: IFLD-S-SA6A-935-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

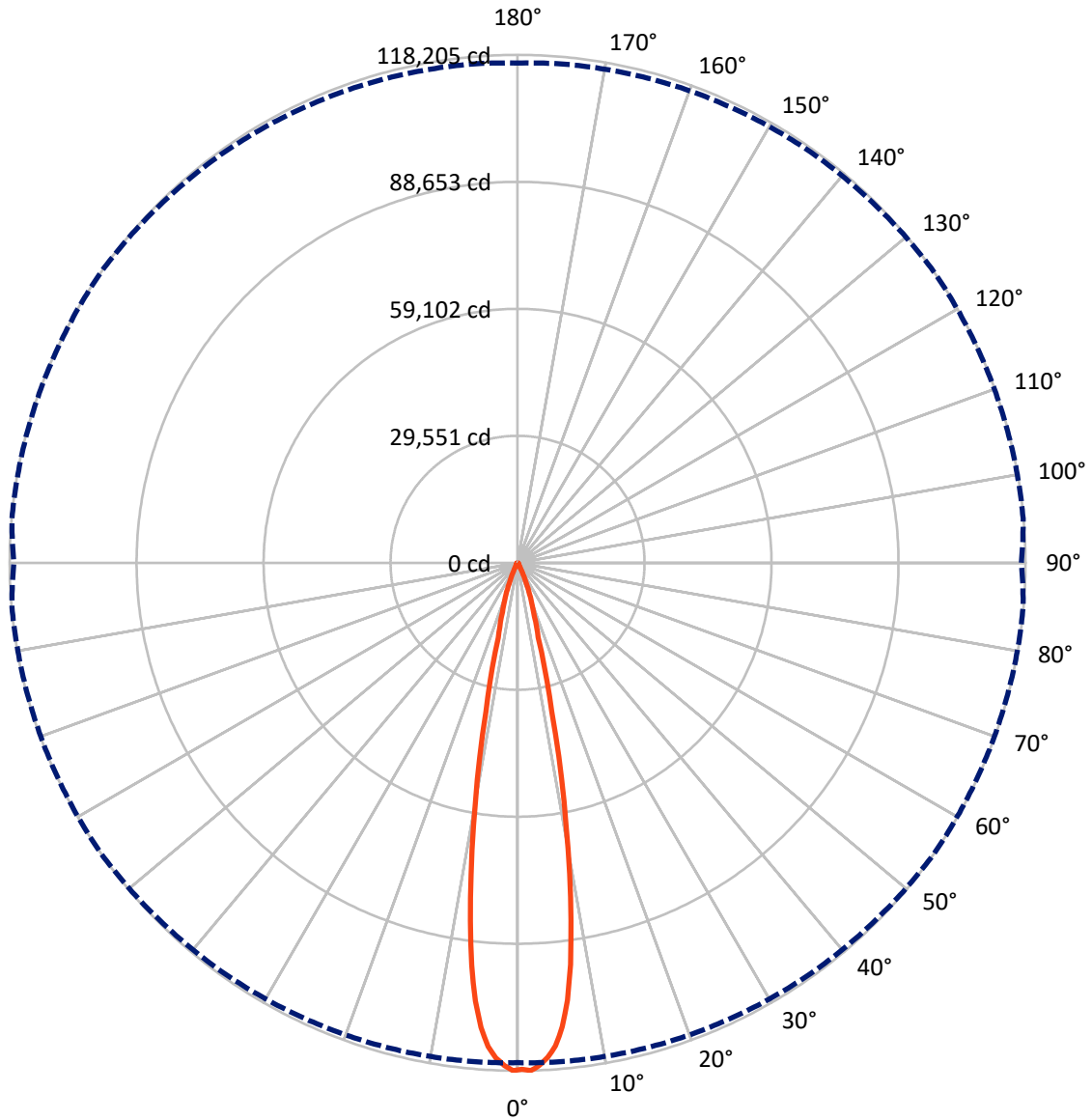
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 294.8 fc
 Type V - Short - N/A

REPORT NUMBER: P636196
CATALOG NUMBER: IFLD-S-SA6A-935-U-33-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636196
 CATALOG NUMBER: IFLD-S-SA6A-935-U-33-VI

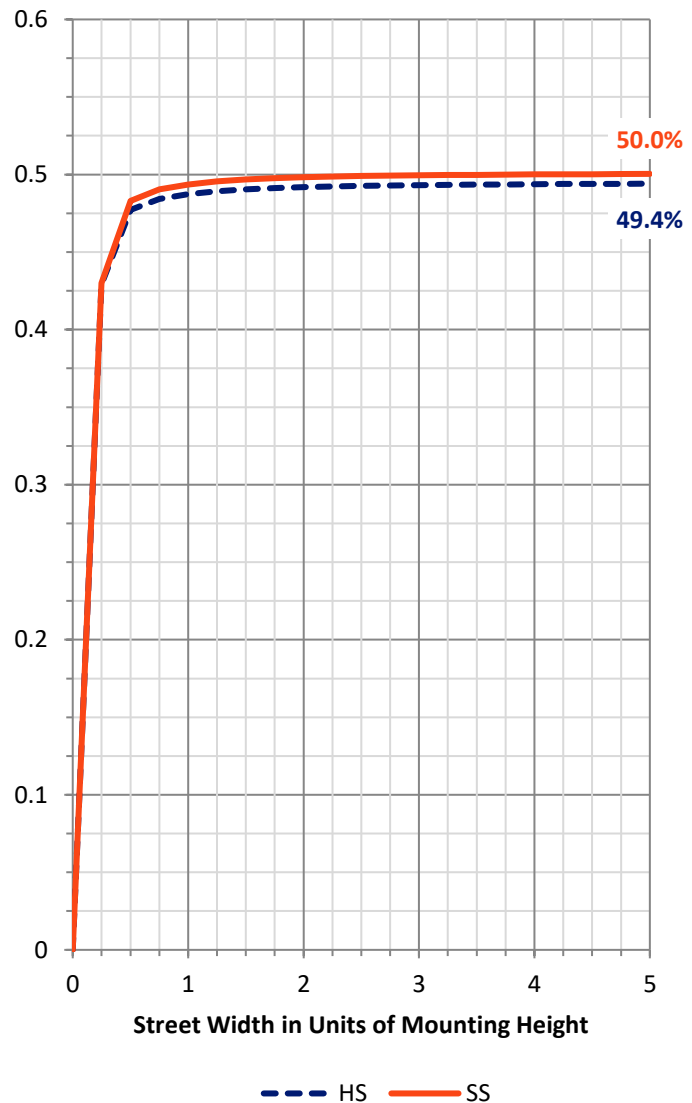
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8575.1	0.0	8575.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8575.1	0.0	8575.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17150.2	0.0	17150.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8713.6	50.8
10°-20°	6175.4	36.0
20°-30°	1447.0	8.4
30°-40°	302.4	1.8
40°-50°	195.1	1.1
50°-60°	144.5	0.8
60°-70°	98.2	0.6
70°-80°	52.4	0.3
80°-90°	21.5	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°	17150.2	100.0
0°-180°	17150.2	100.0

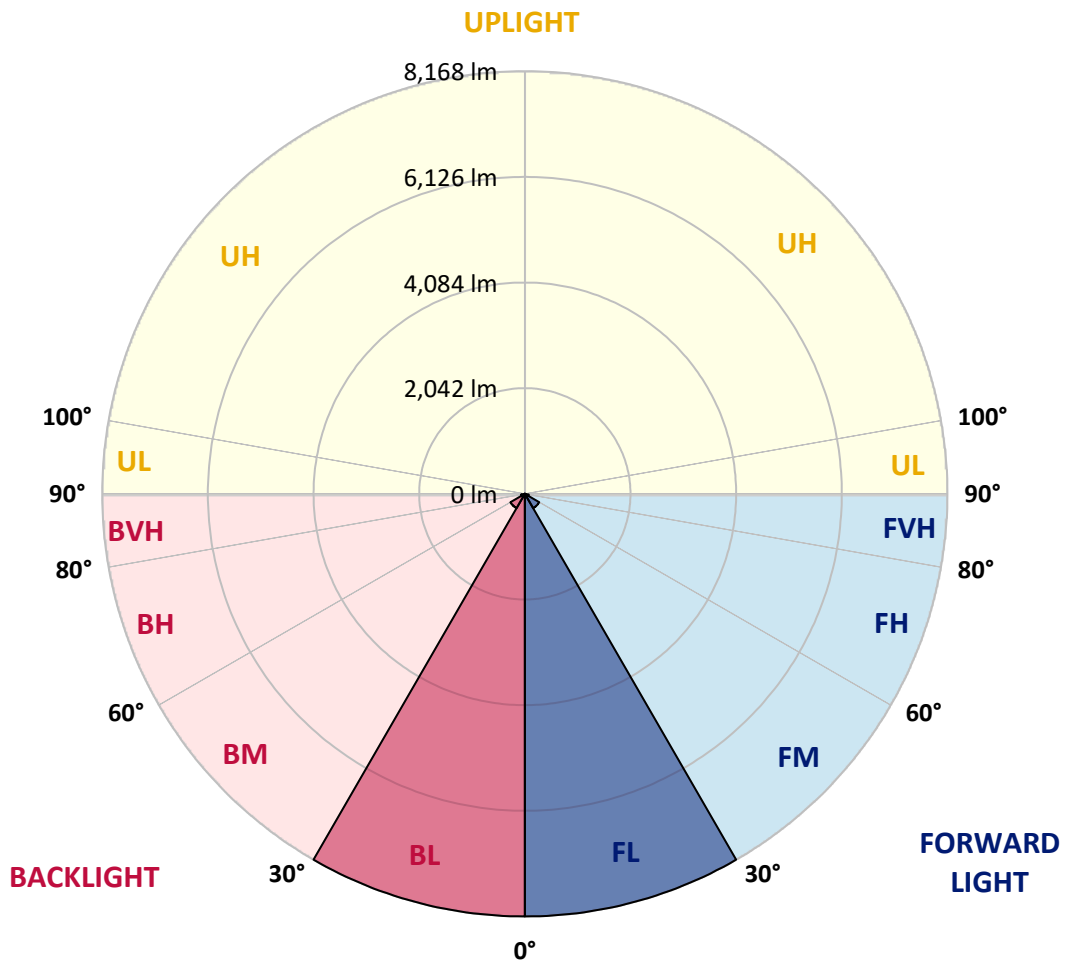


REPORT NUMBER: P636196
 CATALOG NUMBER: IFLD-S-SA6A-935-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8168.0	47.6			
FM (30°-60°)	321.0	1.9			
FH (60°-80°)	75.3	0.4			G0/660
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	8168.0	47.6	B5		
BM (30°-60°)	321.0	1.9	B1/1000		
BH (60°-80°)	75.3	0.4	B0/110		G0/660
BVH (80°-90°)	10.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P636196
 CATALOG NUMBER: IFLD-S-SA6A-935-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	117901.3	117901.3	117901.3	117901.3	117901.3	117901.3	117901.3	117901.3	117901.3	117901.3
1°	116315.0	116530.4	116794.2	117033.8	117394.8	117689.0	118204.6	118095.4	118080.2	118101.5
2°	114061.5	114331.5	114737.9	114977.5	115908.6	116290.8	117070.2	117300.8	117115.7	117325.0
3°	110685.8	110907.2	111544.1	112014.3	113221.4	114252.6	115295.9	115641.7	115426.4	115523.4
4°	106667.1	106894.6	107665.0	108623.4	110367.3	111510.8	112760.4	113069.7	112366.1	112414.6
5°	101884.1	101990.2	102933.5	103807.0	105893.7	107279.8	108465.7	108562.7	107919.7	107674.1
6°	96503.6	96312.5	97179.9	97549.9	100143.1	101556.5	102424.0	102311.7	101823.4	101614.1
7°	90110.0	89849.2	90549.8	90349.6	92645.6	93452.4	94286.4	93904.3	93516.1	93998.3
8°	82712.6	82567.0	82115.1	82934.0	83388.9	84110.8	84107.7	83886.3	83874.2	84677.9
9°	71957.6	73301.2	72903.9	73762.2	73647.0	73613.6	73392.2	73249.7	72643.1	73568.1
10°	60147.2	61026.7	61697.0	62976.9	62728.2	63080.1	61848.7	62057.9	61654.5	62418.9
12.5°	31133.6	32122.4	32701.7	33678.3	34752.0	35849.9	35495.0	35128.0	34579.1	35252.4
15°	15325.7	15716.9	15901.9	16893.7	17658.0	17934.0	17976.5	17652.0	17512.5	17658.0
17.5°	9405.3	9541.8	10078.6	11219.0	11880.2	12044.0	11937.8	11583.0	11185.7	11018.8
20°	6809.1	6848.5	7051.7	7273.1	8155.7	8616.7	8446.9	8098.1	7731.1	7558.2
22.5°	4446.4	4485.8	4552.5	4673.8	4910.4	5480.6	5295.6	5059.0	4810.3	4758.8
25°	2517.4	2517.4	2587.1	2711.5	2887.4	2929.9	2966.3	2714.5	2599.3	2547.7
27.5°	1404.3	1413.4	1428.5	1477.1	1565.0	1555.9	1516.5	1449.8	1370.9	1289.0
30°	776.4	785.5	794.6	806.8	821.9	794.6	770.4	758.2	724.9	715.8
32.5°	582.3	582.3	588.4	585.4	570.2	536.8	521.7	539.9	536.8	521.7
35°	479.2	479.2	485.3	497.4	467.1	442.8	430.7	454.9	454.9	445.8
37.5°	391.3	394.3	397.3	412.5	403.4	376.1	373.1	379.1	382.2	379.1
40°	342.7	339.7	339.7	342.7	336.7	330.6	324.5	321.5	324.5	321.5
42.5°	297.2	294.2	300.3	294.2	282.1	285.1	285.1	276.0	279.0	273.0
45°	260.8	257.8	260.8	254.8	245.7	248.7	248.7	236.6	236.6	233.5
47.5°	230.5	230.5	230.5	233.5	218.4	215.3	218.4	215.3	206.2	203.2
50°	200.2	203.2	206.2	212.3	197.1	191.1	191.1	191.1	185.0	182.0
52.5°	185.0	188.0	188.0	188.0	178.9	172.9	172.9	169.8	166.8	163.8
55°	178.9	178.9	178.9	166.8	163.8	160.7	151.6	148.6	145.6	145.6
57.5°	169.8	169.8	166.8	157.7	148.6	148.6	136.5	133.5	130.4	130.4
60°	151.6	151.6	151.6	148.6	136.5	133.5	121.3	115.3	112.2	112.2
62.5°	139.5	139.5	139.5	127.4	124.4	115.3	106.2	97.1	94.0	88.0
65°	127.4	127.4	127.4	115.3	109.2	100.1	88.0	78.9	72.8	63.7
67.5°	118.3	118.3	115.3	106.2	97.1	84.9	72.8	63.7	51.6	45.5
70°	103.1	103.1	100.1	94.0	84.9	75.8	60.7	48.5	39.4	30.3
72.5°	88.0	88.0	84.9	78.9	72.8	63.7	51.6	42.5	27.3	21.2
75°	72.8	72.8	69.8	63.7	60.7	54.6	45.5	33.4	21.2	9.1
77.5°	60.7	60.7	57.6	54.6	51.6	45.5	39.4	27.3	15.2	6.1
80°	45.5	48.5	48.5	48.5	42.5	39.4	36.4	27.3	12.1	3.0
82.5°	33.4	36.4	36.4	36.4	33.4	30.3	33.4	24.3	12.1	3.0
85°	24.3	24.3	27.3	27.3	27.3	27.3	36.4	27.3	9.1	3.0
87.5°	12.1	12.1	12.1	12.1	12.1	15.2	18.2	15.2	6.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
117901.3
117255.3
116530.4
114795.5
111692.8
107161.5
101144.0
93849.7
82448.7
71842.3
60459.6
33429.6
16978.7
10785.3
7424.8
4652.6
2505.2
1292.1
715.8
512.6
442.8
379.1
324.5
276.0
233.5
203.2
178.9
160.7
142.6
130.4
109.2
81.9
63.7
42.5
30.3
18.2
9.1
3.0
3.0
3.0
3.0
0.0
0.0

OF REPORT)