

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: P636167

Luminaire Tested: **IFLD-S-SA6A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636167
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16530.3 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

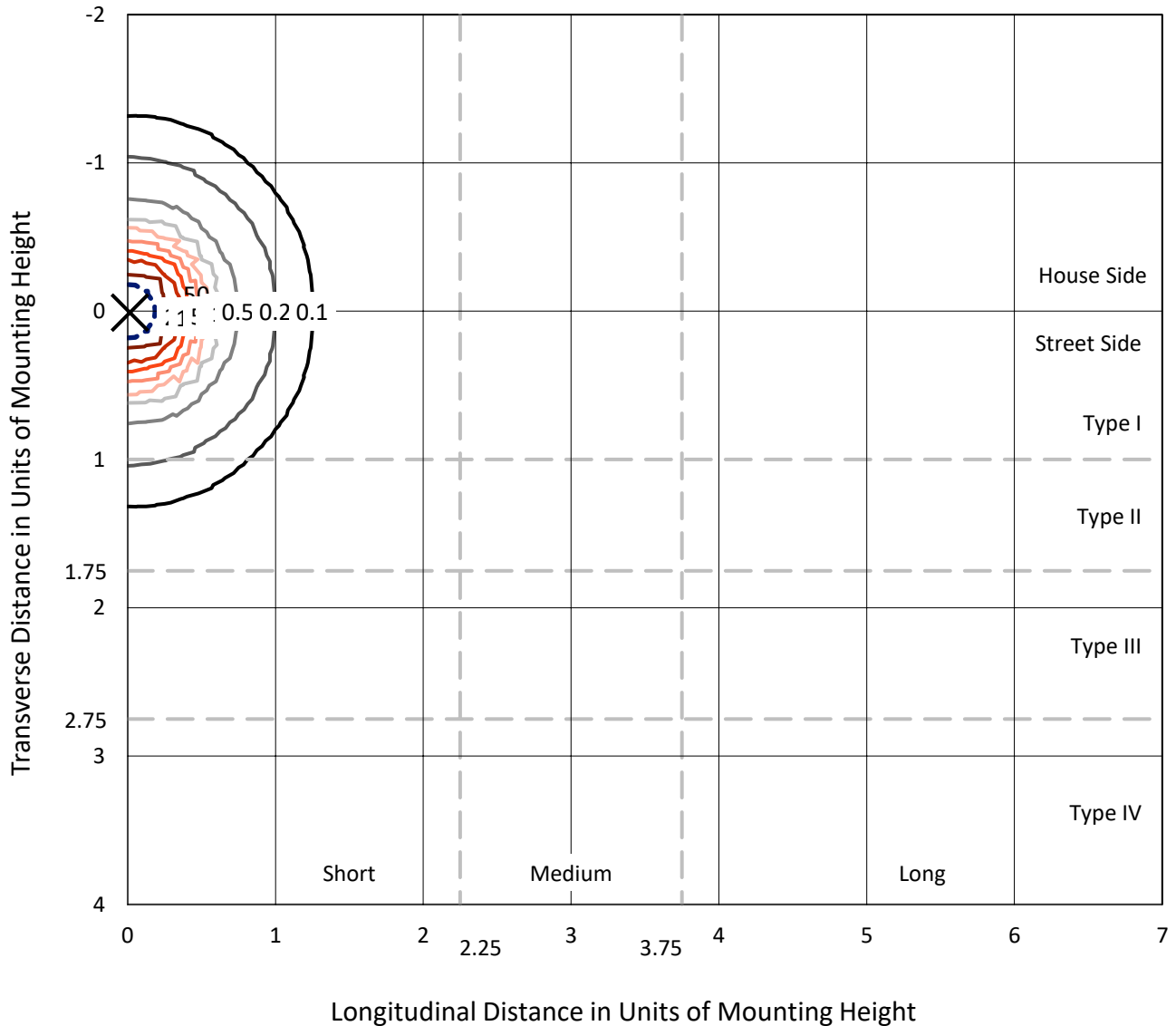
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636167
 CATALOG NUMBER: IFLD-S-SA6A-930-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

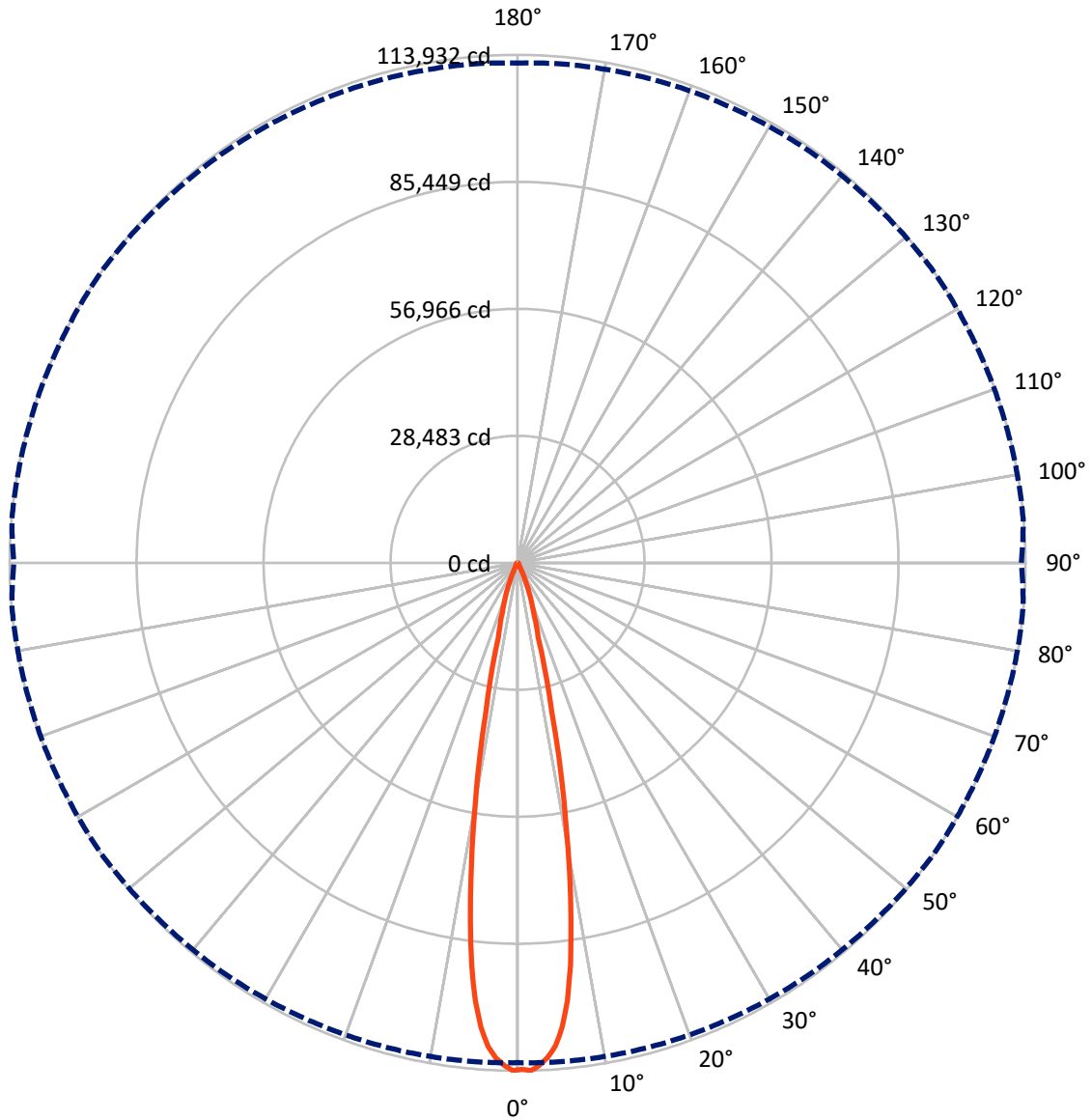
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 284.1 fc
 Type V - Short - N/A

REPORT NUMBER: P636167
CATALOG NUMBER: IFLD-S-SA6A-930-U-33-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636167
 CATALOG NUMBER: IFLD-S-SA6A-930-U-33-VI

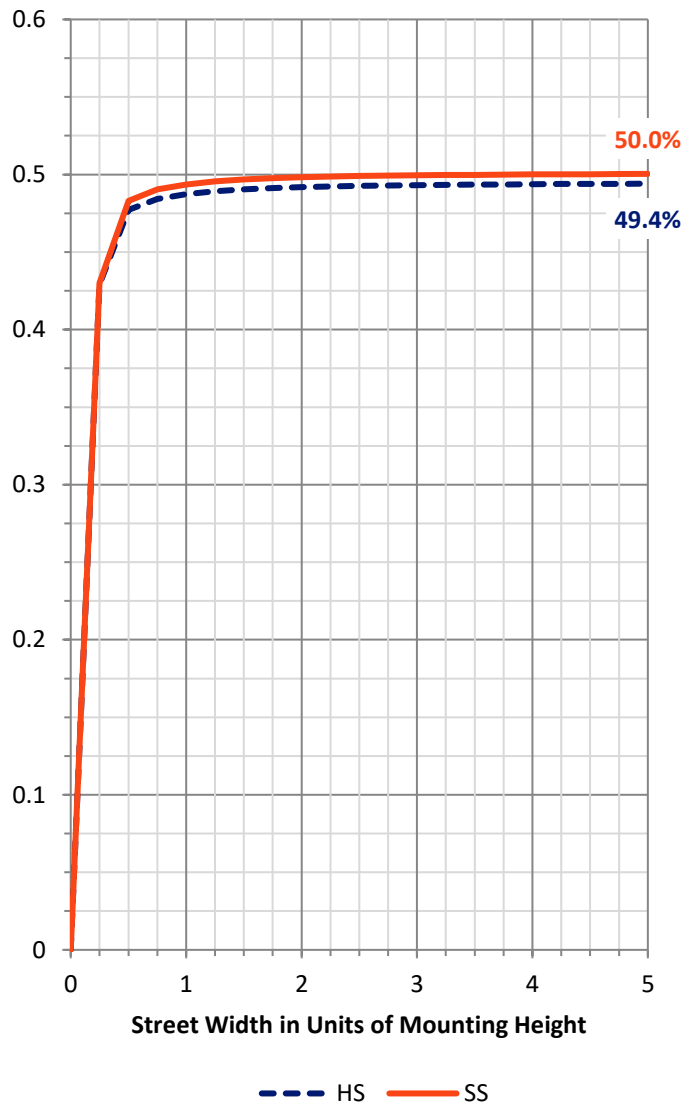
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8265.2	0.0	8265.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8265.2	0.0	8265.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16530.3	0.0	16530.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8398.6	50.8
10°-20°	5952.2	36.0
20°-30°	1394.7	8.4
30°-40°	291.5	1.8
40°-50°	188.1	1.1
50°-60°	139.3	0.8
60°-70°	94.7	0.6
70°-80°	50.5	0.3
80°-90°	20.7	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°	16530.3	100.0
0°-180°	16530.3	100.0

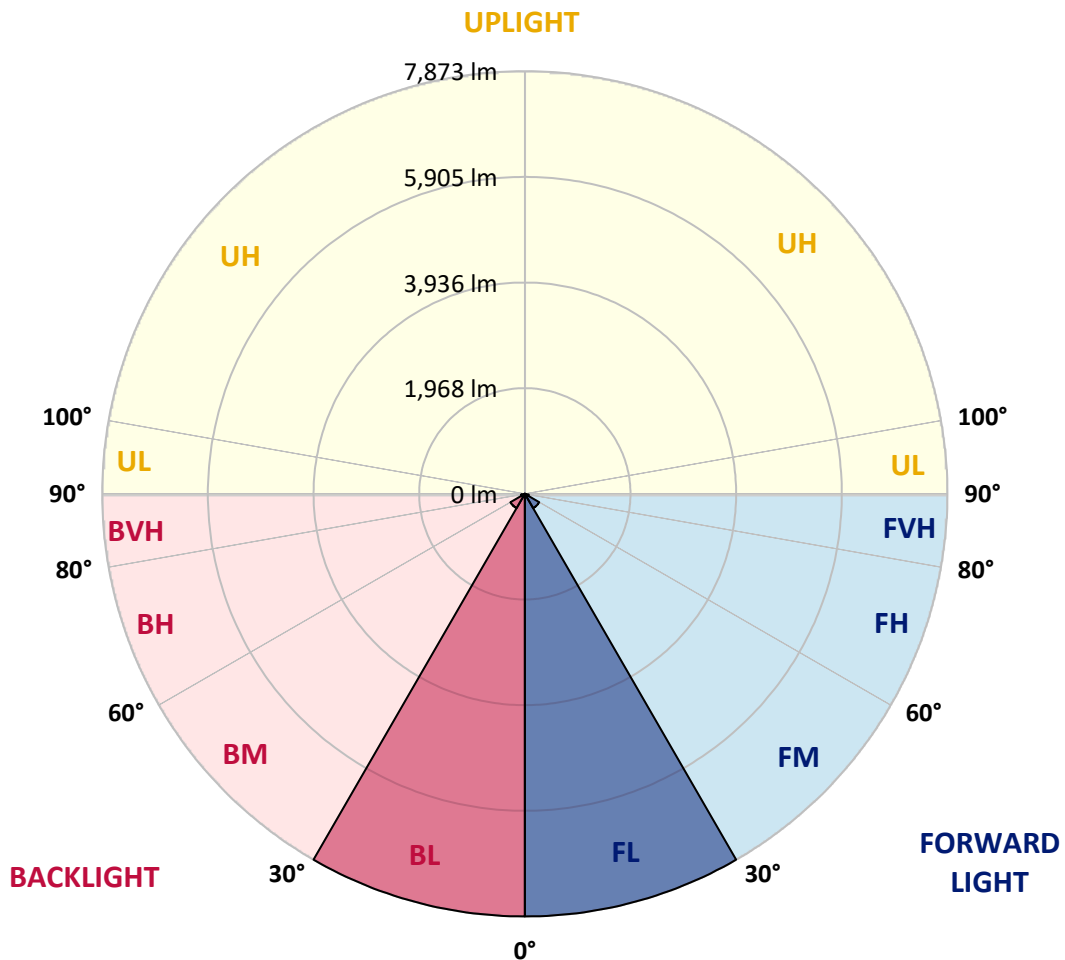


REPORT NUMBER: P636167
 CATALOG NUMBER: IFLD-S-SA6A-930-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7872.8	47.6			
FM (30°-60°)	309.4	1.9			
FH (60°-80°)	72.6	0.4			G0/660
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	7872.8	47.6	B5		
BM (30°-60°)	309.4	1.9	B1/1000		
BH (60°-80°)	72.6	0.4	B0/110		G0/660
BVH (80°-90°)	10.4	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: P636167
 CATALOG NUMBER: IFLD-S-SA6A-930-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	113639.8	113639.8	113639.8	113639.8	113639.8	113639.8	113639.8	113639.8	113639.8	113639.8
1°	112110.9	112318.4	112572.8	112803.7	113151.6	113435.2	113932.1	113826.9	113812.3	113832.7
2°	109938.8	110199.0	110590.7	110821.7	111719.1	112087.5	112838.8	113061.0	112882.6	113084.4
3°	106685.1	106898.5	107512.4	107965.5	109129.0	110123.0	111128.6	111461.9	111254.3	111347.9
4°	102811.7	103030.9	103773.4	104697.2	106378.2	107480.3	108684.7	108982.9	108304.7	108351.4
5°	98201.5	98303.8	99213.0	100054.9	102066.2	103402.2	104545.2	104638.8	104019.0	103782.2
6°	93015.5	92831.3	93667.4	94024.0	96523.5	97885.8	98721.9	98613.7	98143.1	97941.3
7°	86853.0	86601.6	87276.9	87084.0	89297.0	90074.6	90878.5	90510.2	90136.0	90600.8
8°	79723.0	79582.6	79147.1	79936.4	80374.9	81070.6	81067.7	80854.3	80842.6	81617.3
9°	69356.7	70651.8	70268.8	71096.1	70985.0	70952.9	70739.5	70602.1	70017.4	70909.0
10°	57973.2	58820.9	59467.0	60700.7	60460.9	60800.1	59613.2	59814.9	59426.1	60162.8
12.5°	30008.3	30961.3	31519.7	32461.0	33495.9	34554.1	34212.1	33858.4	33329.2	33978.2
15°	14771.7	15148.9	15327.2	16283.1	17019.8	17285.8	17326.8	17014.0	16879.5	17019.8
17.5°	9065.3	9196.9	9714.3	10813.5	11450.8	11608.7	11506.3	11164.3	10781.4	10620.6
20°	6562.9	6600.9	6796.8	7010.2	7860.9	8305.3	8141.6	7805.4	7451.6	7285.0
22.5°	4285.6	4323.7	4388.0	4504.9	4732.9	5282.5	5104.2	4876.2	4636.4	4586.8
25°	2426.4	2426.4	2493.6	2613.5	2783.0	2824.0	2859.0	2616.4	2505.3	2455.6
27.5°	1353.5	1362.3	1376.9	1423.7	1508.5	1499.7	1461.7	1397.4	1321.4	1242.4
30°	748.4	757.2	765.9	777.6	792.2	765.9	742.5	730.8	698.7	689.9
32.5°	561.3	561.3	567.1	564.2	549.6	517.4	502.8	520.4	517.4	502.8
35°	461.9	461.9	467.7	479.4	450.2	426.8	415.1	438.5	438.5	429.7
37.5°	377.1	380.0	383.0	397.6	388.8	362.5	359.6	365.4	368.3	365.4
40°	330.3	327.4	327.4	330.3	324.5	318.6	312.8	309.9	312.8	309.9
42.5°	286.5	283.6	289.4	283.6	271.9	274.8	274.8	266.0	268.9	263.1
45°	251.4	248.5	251.4	245.6	236.8	239.7	239.7	228.0	228.0	225.1
47.5°	222.2	222.2	222.2	225.1	210.5	207.6	210.5	207.6	198.8	195.9
50°	192.9	195.9	198.8	204.6	190.0	184.2	184.2	184.2	178.3	175.4
52.5°	178.3	181.2	181.2	181.2	172.5	166.6	166.6	163.7	160.8	157.9
55°	172.5	172.5	172.5	160.8	157.9	154.9	146.2	143.2	140.3	140.3
57.5°	163.7	163.7	160.8	152.0	143.2	143.2	131.6	128.6	125.7	125.7
60°	146.2	146.2	146.2	143.2	131.6	128.6	116.9	111.1	108.2	108.2
62.5°	134.5	134.5	134.5	122.8	119.9	111.1	102.3	93.5	90.6	84.8
65°	122.8	122.8	122.8	111.1	105.2	96.5	84.8	76.0	70.2	61.4
67.5°	114.0	114.0	111.1	102.3	93.5	81.9	70.2	61.4	49.7	43.9
70°	99.4	99.4	96.5	90.6	81.9	73.1	58.5	46.8	38.0	29.2
72.5°	84.8	84.8	81.9	76.0	70.2	61.4	49.7	40.9	26.3	20.5
75°	70.2	70.2	67.2	61.4	58.5	52.6	43.9	32.2	20.5	8.8
77.5°	58.5	58.5	55.5	52.6	49.7	43.9	38.0	26.3	14.6	5.8
80°	43.9	46.8	46.8	46.8	40.9	38.0	35.1	26.3	11.7	2.9
82.5°	32.2	35.1	35.1	35.1	32.2	29.2	32.2	23.4	11.7	2.9
85°	23.4	23.4	26.3	26.3	26.3	26.3	35.1	26.3	8.8	2.9
87.5°	11.7	11.7	11.7	11.7	11.7	14.6	17.5	14.6	5.8	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°
113639.8
113017.1
112318.4
110646.3
107655.7
103288.2
97488.2
90457.5
79468.6
69245.6
58274.3
32221.3
16365.0
10395.5
7156.4
4484.4
2414.7
1245.4
689.9
494.0
426.8
365.4
312.8
266.0
225.1
195.9
172.5
154.9
137.4
125.7
105.2
78.9
61.4
40.9
29.2
17.5
8.8
2.9
2.9
2.9
2.9
0.0
0.0

OF REPORT)