

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: P636022

Luminaire Tested: **IFLD-S-SA6A-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636022
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16413.6 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

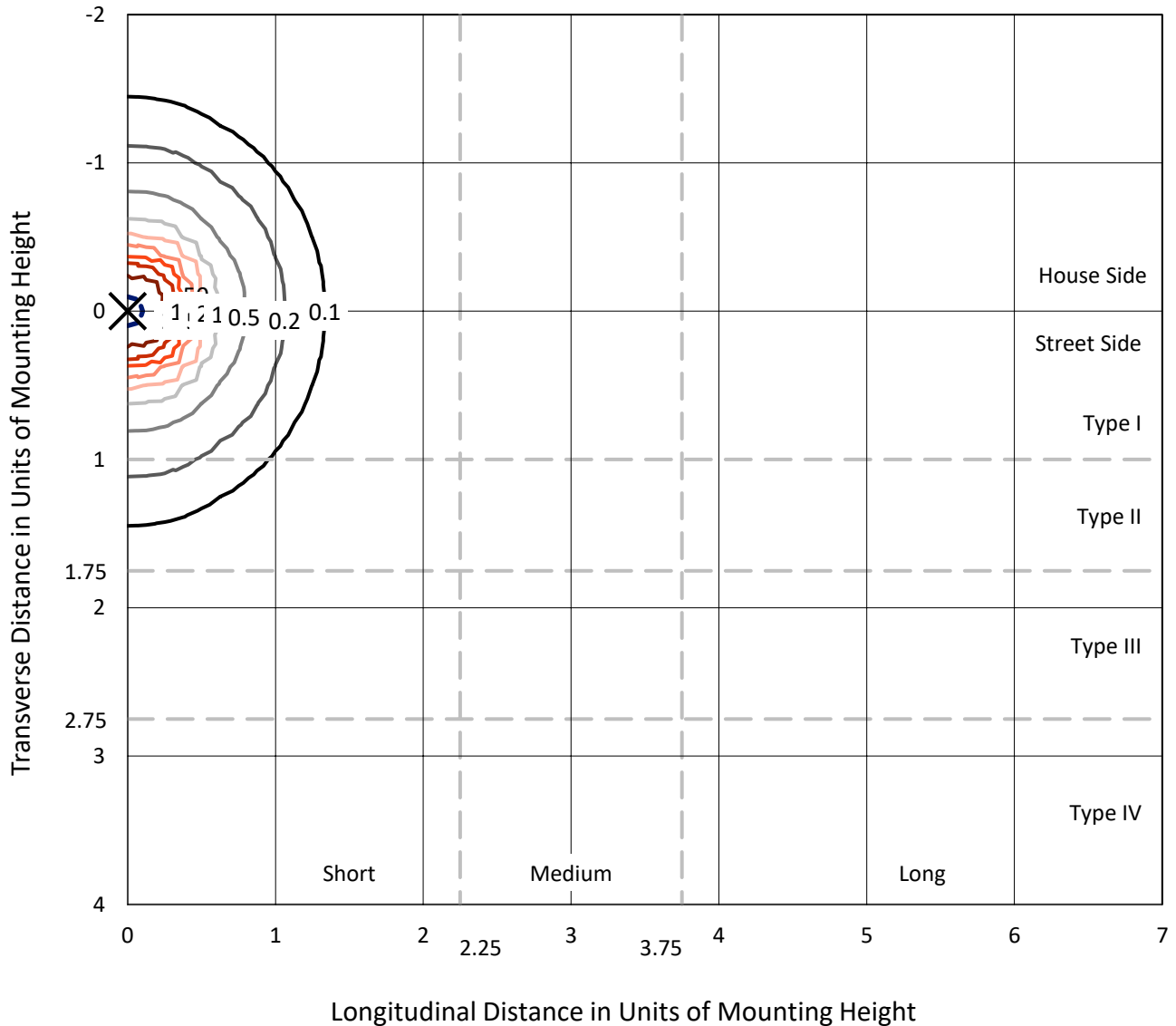
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

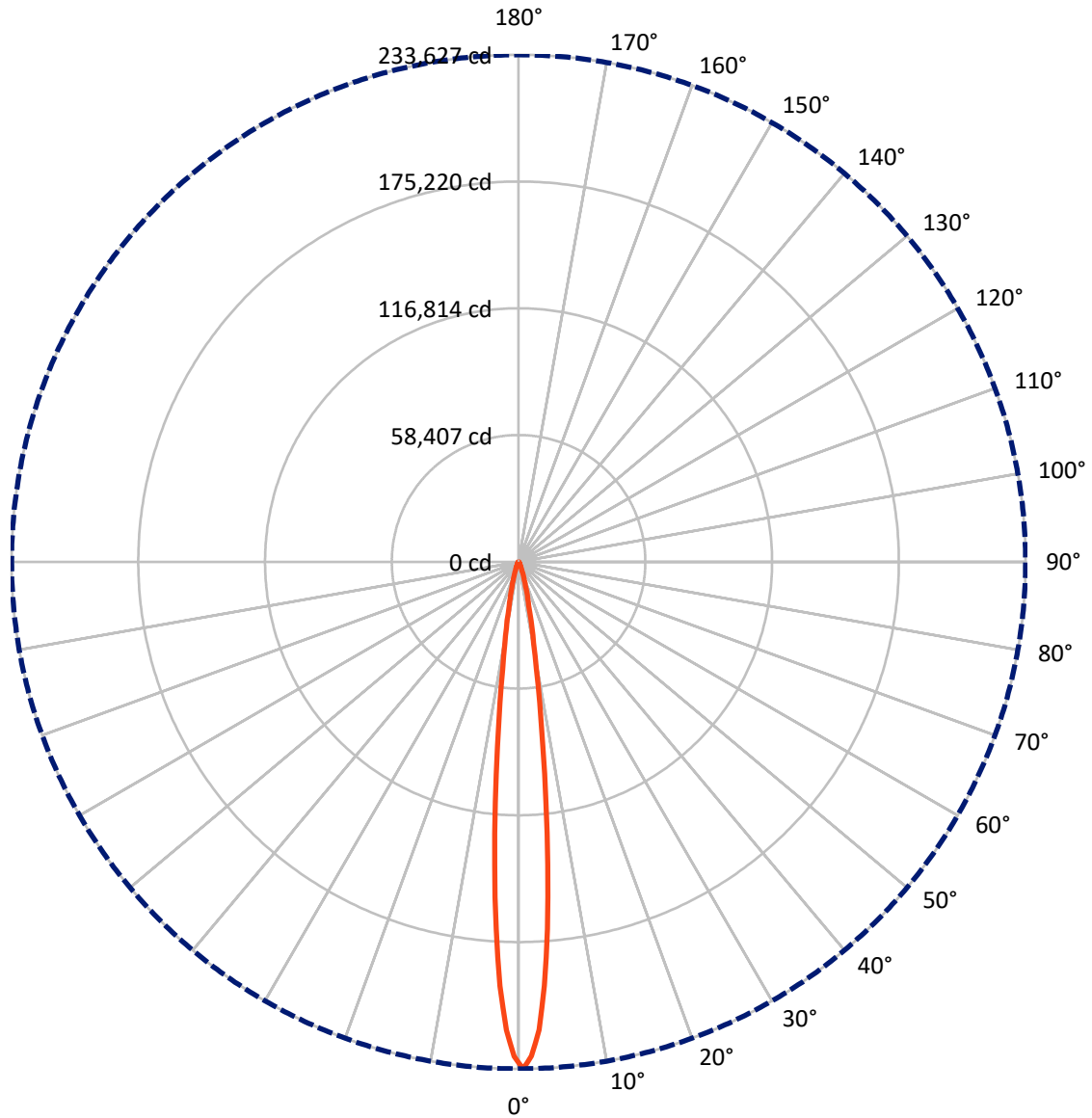
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 584.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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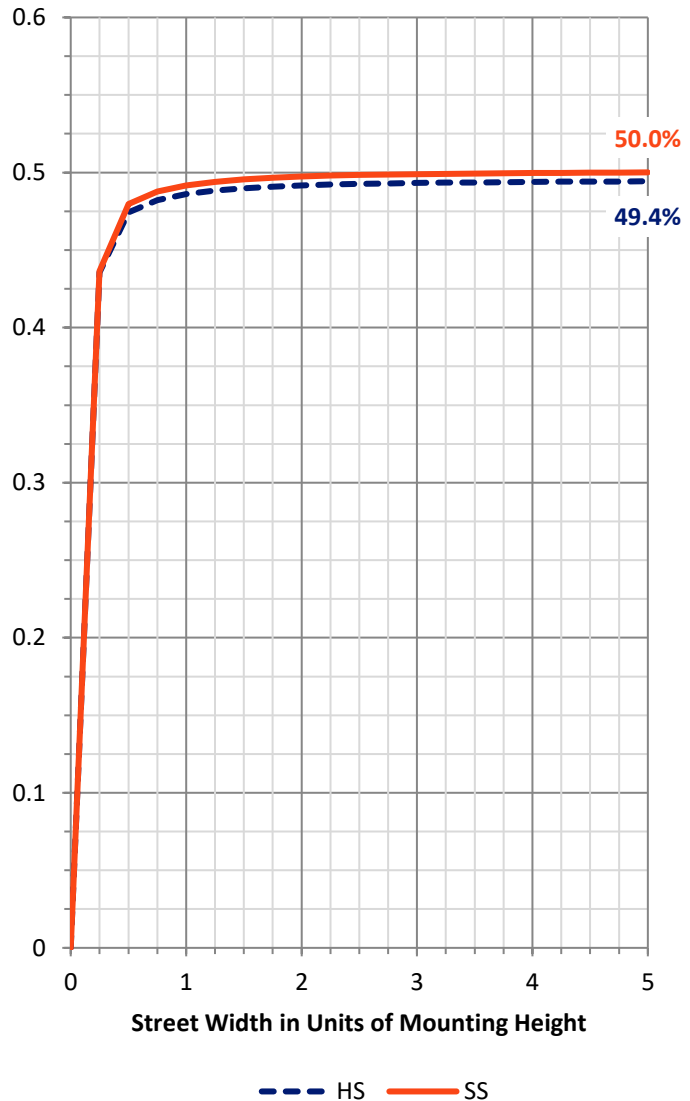
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8206.8	0.0	8206.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8206.8	0.0	8206.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16413.6	0.0	16413.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10005.5	61.0
10°-20°	4482.5	27.3
20°-30°	1001.0	6.1
30°-40°	326.7	2.0
40°-50°	225.3	1.4
50°-60°	170.2	1.0
60°-70°	116.5	0.7
70°-80°	61.3	0.4
80°-90°	24.5	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°	16413.6	100.0
0°-180°	16413.6	100.0

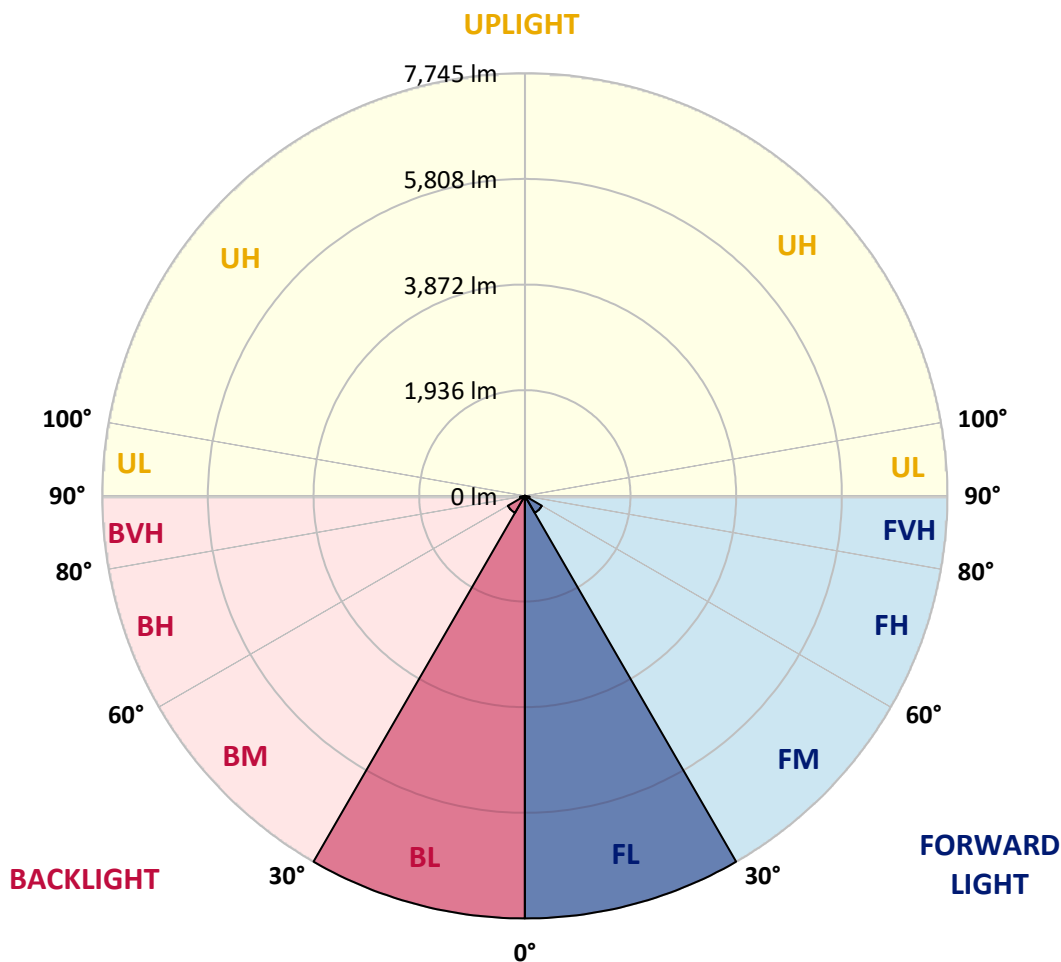


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7744.5	47.2			
FM (30°-60°)	361.2	2.2			
FH (60°-80°)	88.9	0.5			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	7744.5	47.2	B5		
BM (30°-60°)	361.2	2.2	B1/1000		
BH (60°-80°)	88.9	0.5	B0/110		G0/660
BVH (80°-90°)	12.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	233627.1	233627.1	233627.1	233627.1	233627.1	233627.1	233627.1	233627.1	233627.1	233627.1
1°	227826.7	228136.6	227791.6	229534.1	230253.3	230627.5	230671.3	231653.7	230896.4	231106.9
2°	215819.5	216509.5	215354.6	216471.5	218705.1	219550.0	218173.0	219874.5	219266.4	219620.2
3°	195643.8	196488.7	194892.4	196257.7	199131.6	199774.8	197517.8	199935.6	199874.2	200382.9
4°	169638.4	171009.6	168729.2	170346.0	171617.7	173857.2	171670.3	174421.4	174368.8	175251.7
5°	140118.9	141601.2	139619.0	141297.2	142501.7	143334.9	142533.8	145577.3	145770.2	146682.4
6°	111233.9	112616.7	110403.6	112005.7	113914.8	114256.9	114049.3	116668.8	117250.6	116540.2
7°	85605.7	85950.7	85602.7	87058.7	88590.7	88646.2	88915.2	91219.0	91730.6	91485.0
8°	65561.5	63982.8	65339.3	66111.2	66584.8	68759.9	68920.7	70081.4	71022.8	71090.0
9°	49905.7	48443.9	50013.9	50320.8	51408.4	53340.9	53098.3	54367.1	54957.7	54919.7
10°	38047.6	37305.0	38091.5	38430.6	39325.2	40962.4	41246.0	41827.8	42266.4	42552.9
12.5°	20646.4	20818.9	21275.0	21631.6	22836.2	23271.8	23447.2	23496.9	23494.0	23540.8
15°	12825.8	12966.1	13284.8	13930.9	14664.7	15205.6	15281.6	15000.9	14758.3	14720.3
17.5°	7998.9	7943.4	8691.8	9399.3	10282.3	10562.9	10270.6	9949.0	9618.6	9428.6
20°	4800.5	4838.5	5092.9	5408.6	6122.0	6607.3	6303.3	5975.8	5633.8	5408.6
22.5°	2727.7	2768.6	2879.7	3043.5	3315.4	3756.8	3563.9	3233.5	2990.8	2891.4
25°	1610.9	1610.9	1678.1	1751.2	1865.3	1967.6	1926.6	1751.2	1608.0	1567.0
27.5°	1043.7	1035.0	1058.3	1093.4	1146.0	1151.9	1105.1	1052.5	979.4	953.1
30°	763.1	766.0	763.1	777.7	774.8	754.3	725.1	728.0	698.7	695.8
32.5°	619.8	622.7	622.7	619.8	605.2	573.0	552.6	573.0	567.2	561.3
35°	514.6	517.5	546.7	543.8	520.4	485.3	470.7	494.1	511.6	485.3
37.5°	444.4	447.3	470.7	482.4	453.2	429.8	412.2	432.7	459.0	429.8
40°	391.8	394.7	400.5	403.5	388.8	377.1	368.4	374.2	385.9	371.3
42.5°	345.0	342.1	345.0	342.1	324.5	330.4	324.5	315.7	324.5	312.8
45°	301.1	301.1	301.1	292.4	274.8	286.5	280.7	271.9	274.8	266.0
47.5°	274.8	274.8	274.8	263.1	248.5	248.5	251.4	236.8	239.7	236.8
50°	248.5	248.5	254.4	242.7	231.0	222.2	225.1	213.4	216.3	213.4
52.5°	228.0	228.0	228.0	222.2	213.4	207.6	201.7	195.9	193.0	190.0
55°	219.3	219.3	216.3	198.8	195.9	190.0	178.3	175.4	169.6	166.6
57.5°	204.7	204.7	201.7	187.1	175.4	175.4	157.9	155.0	146.2	146.2
60°	181.3	181.3	178.3	175.4	160.8	152.0	140.3	134.5	125.7	122.8
62.5°	172.5	172.5	166.6	152.0	149.1	134.5	122.8	111.1	105.2	99.4
65°	160.8	157.9	155.0	140.3	128.6	119.9	105.2	90.6	84.8	73.1
67.5°	143.3	143.3	140.3	128.6	116.9	102.3	87.7	76.0	61.4	52.6
70°	125.7	122.8	122.8	111.1	102.3	90.6	70.2	58.5	43.9	35.1
72.5°	105.2	105.2	102.3	93.6	87.7	78.9	61.4	46.8	29.2	23.4
75°	84.8	84.8	81.9	76.0	73.1	64.3	52.6	40.9	23.4	11.7
77.5°	70.2	67.2	67.2	61.4	58.5	52.6	43.9	32.2	17.5	8.8
80°	52.6	52.6	55.5	52.6	46.8	43.9	38.0	29.2	14.6	5.8
82.5°	38.0	38.0	40.9	40.9	40.9	38.0	38.0	29.2	14.6	2.9
85°	26.3	26.3	32.2	29.2	29.2	32.2	46.8	38.0	11.7	2.9
87.5°	14.6	14.6	14.6	11.7	11.7	14.6	17.5	14.6	5.8	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 233627.1
- 229560.4
- 218357.2
- 199017.6
- 173702.2
- 144939.9
- 116613.3
- 91148.8
- 70242.2
- 55814.3
- 42722.4
- 23578.8
- 14603.3
- 9399.3
- 5458.3
- 2903.1
- 1561.2
- 953.1
- 692.9
- 549.6
- 479.5
- 426.8
- 365.4
- 312.8
- 266.0
- 236.8
- 213.4
- 190.0
- 163.7
- 146.2
- 116.9
- 96.5
- 70.2
- 52.6
- 35.1
- 20.5
- 11.7
- 5.8
- 2.9
- 2.9
- 2.9
- 2.9
- 0.0

OF REPORT)