

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: P636014

Luminaire Tested: **IFLD-S-SA2C-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636014
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8643.7 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

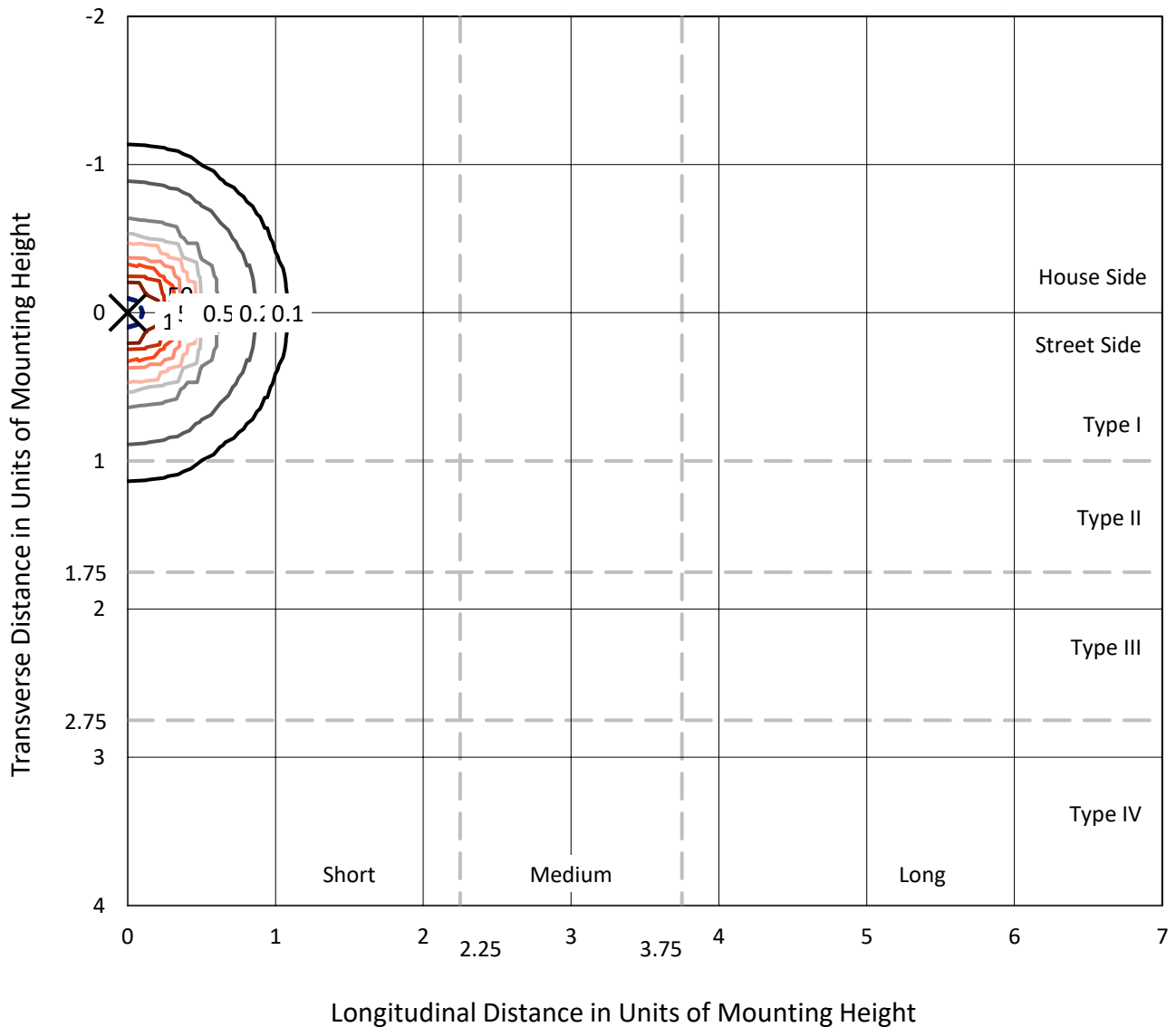
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

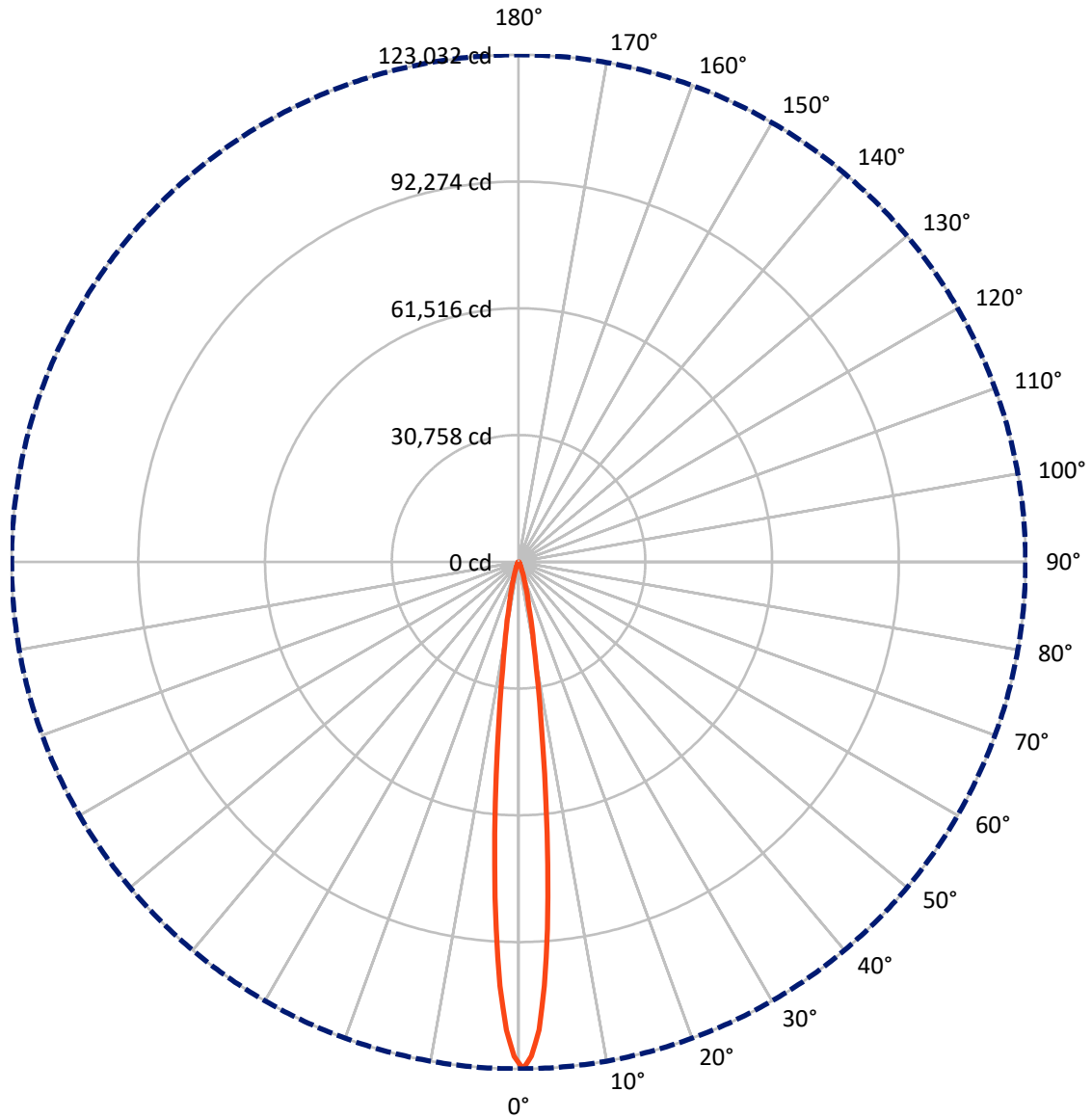
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 307.6 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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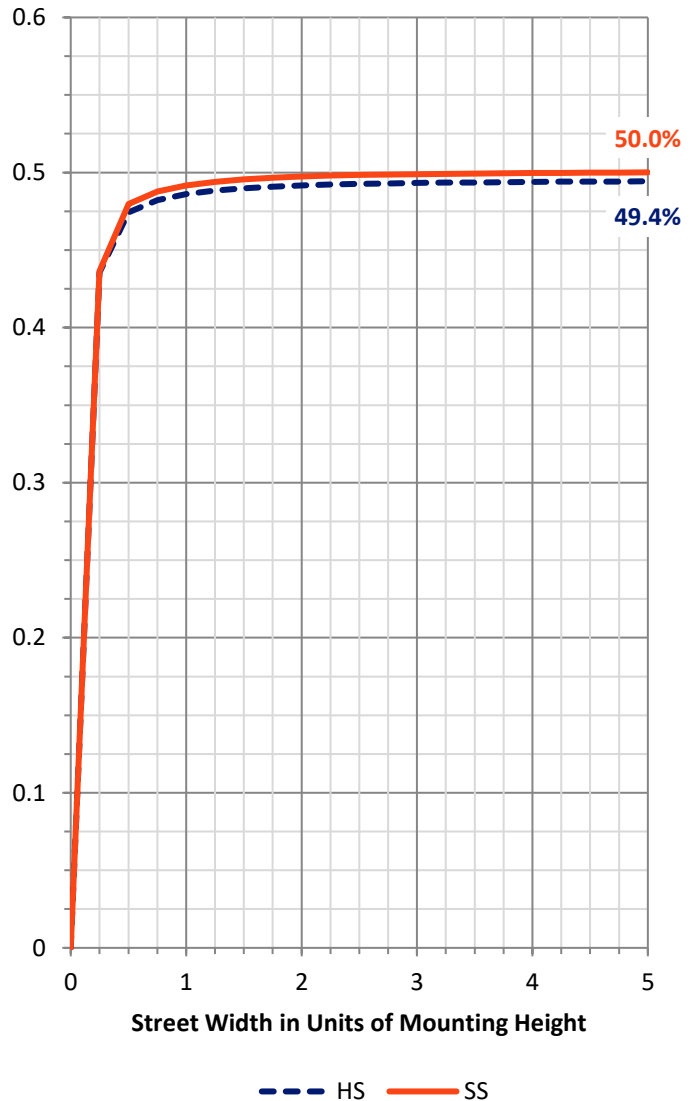
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4321.9	0.0	4321.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4321.9	0.0	4321.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8643.7	0.0	8643.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5269.1	61.0
10°-20°	2360.6	27.3
20°-30°	527.2	6.1
30°-40°	172.1	2.0
40°-50°	118.7	1.4
50°-60°	89.7	1.0
60°-70°	61.3	0.7
70°-80°	32.3	0.4
80°-90°	12.9	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°	8643.7	100.0
0°-180°	8643.7	100.0

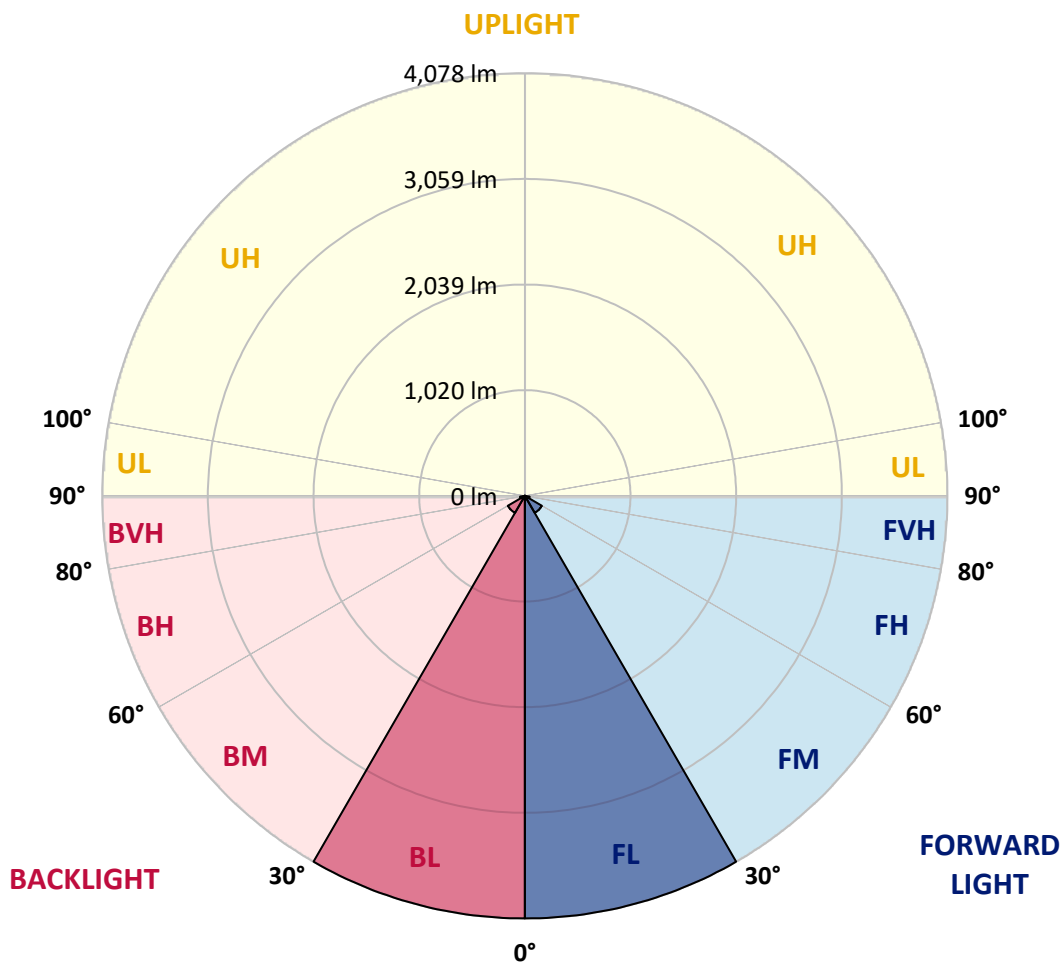


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4078.4	47.2			
FM (30°-60°)	190.2	2.2			
FH (60°-80°)	46.8	0.5			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	4078.4	47.2	B4/5000		
BM (30°-60°)	190.2	2.2	B0/220		
BH (60°-80°)	46.8	0.5	B0/110		G0/660
BVH (80°-90°)	6.4	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	123032.3	123032.3	123032.3	123032.3	123032.3	123032.3	123032.3	123032.3	123032.3	123032.3
1°	119977.7	120140.9	119959.3	120876.9	121255.6	121452.7	121475.8	121993.1	121594.3	121705.2
2°	113654.5	114017.9	113409.7	113997.9	115174.1	115619.1	114893.9	115790.0	115469.7	115656.0
3°	103029.6	103474.6	102633.9	103352.9	104866.4	105205.1	104016.5	105289.8	105257.5	105525.3
4°	89334.7	90056.8	88855.9	89707.3	90377.1	91556.4	90404.8	91853.5	91825.8	92290.8
5°	73789.2	74569.8	73525.9	74409.7	75044.0	75482.8	75060.9	76663.7	76765.3	77245.7
6°	58577.8	59306.0	58140.6	58984.3	59989.6	60169.8	60060.5	61440.0	61746.3	61372.2
7°	45081.5	45263.2	45080.0	45846.7	46653.5	46682.7	46824.4	48037.6	48307.0	48177.7
8°	34525.9	33694.5	34408.9	34815.4	35064.8	36210.3	36294.9	36906.2	37401.9	37437.3
9°	26281.3	25511.5	26338.2	26499.9	27072.6	28090.3	27962.5	28630.7	28941.7	28921.7
10°	20036.6	19645.5	20059.7	20238.3	20709.4	21571.6	21720.9	22027.3	22258.2	22409.1
12.5°	10872.8	10963.6	11203.8	11391.6	12025.9	12255.4	12347.7	12373.9	12372.4	12397.0
15°	6754.3	6828.2	6996.0	7336.3	7722.7	8007.5	8047.6	7899.8	7772.0	7752.0
17.5°	4212.4	4183.1	4577.3	4949.9	5414.8	5562.6	5408.7	5239.3	5065.3	4965.3
20°	2528.1	2548.1	2682.0	2848.3	3224.0	3479.5	3319.4	3147.0	2966.8	2848.3
22.5°	1436.5	1458.0	1516.5	1602.7	1745.9	1978.4	1876.8	1702.8	1575.0	1522.7
25°	848.3	848.3	883.7	922.2	982.3	1036.2	1014.6	922.2	846.8	825.2
27.5°	549.6	545.0	557.3	575.8	603.5	606.6	582.0	554.3	515.8	501.9
30°	401.8	403.4	401.8	409.5	408.0	397.2	381.8	383.4	368.0	366.4
32.5°	326.4	327.9	327.9	326.4	318.7	301.8	291.0	301.8	298.7	295.6
35°	271.0	272.5	287.9	286.4	274.1	255.6	247.9	260.2	269.4	255.6
37.5°	234.0	235.6	247.9	254.0	238.6	226.3	217.1	227.9	241.7	226.3
40°	206.3	207.8	210.9	212.5	204.8	198.6	194.0	197.1	203.2	195.5
42.5°	181.7	180.1	181.7	180.1	170.9	174.0	170.9	166.3	170.9	164.7
45°	158.6	158.6	158.6	154.0	144.7	150.9	147.8	143.2	144.7	140.1
47.5°	144.7	144.7	144.7	138.6	130.9	130.9	132.4	124.7	126.2	124.7
50°	130.9	130.9	133.9	127.8	121.6	117.0	118.6	112.4	113.9	112.4
52.5°	120.1	120.1	120.1	117.0	112.4	109.3	106.2	103.2	101.6	100.1
55°	115.5	115.5	113.9	104.7	103.2	100.1	93.9	92.4	89.3	87.8
57.5°	107.8	107.8	106.2	98.5	92.4	92.4	83.1	81.6	77.0	77.0
60°	95.5	95.5	93.9	92.4	84.7	80.1	73.9	70.8	66.2	64.7
62.5°	90.8	90.8	87.8	80.1	78.5	70.8	64.7	58.5	55.4	52.3
65°	84.7	83.1	81.6	73.9	67.7	63.1	55.4	47.7	44.6	38.5
67.5°	75.4	75.4	73.9	67.7	61.6	53.9	46.2	40.0	32.3	27.7
70°	66.2	64.7	64.7	58.5	53.9	47.7	37.0	30.8	23.1	18.5
72.5°	55.4	55.4	53.9	49.3	46.2	41.6	32.3	24.6	15.4	12.3
75°	44.6	44.6	43.1	40.0	38.5	33.9	27.7	21.6	12.3	6.2
77.5°	37.0	35.4	35.4	32.3	30.8	27.7	23.1	16.9	9.2	4.6
80°	27.7	27.7	29.3	27.7	24.6	23.1	20.0	15.4	7.7	3.1
82.5°	20.0	20.0	21.6	21.6	21.6	20.0	20.0	15.4	7.7	1.5
85°	13.9	13.9	16.9	15.4	15.4	16.9	24.6	20.0	6.2	1.5
87.5°	7.7	7.7	7.7	6.2	6.2	7.7	9.2	7.7	3.1	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
123032.3
120890.7
114990.9
104806.3
91474.8
76328.1
61410.7
48000.6
36990.8
29392.8
22498.4
12417.0
7690.4
4949.9
2874.5
1528.8
822.2
501.9
364.9
289.4
252.5
224.8
192.5
164.7
140.1
124.7
112.4
100.1
86.2
77.0
61.6
50.8
37.0
27.7
18.5
10.8
6.2
3.1
1.5
1.5
1.5
1.5
0.0

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