

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: P636169

Luminaire Tested: **IFLD-S-SA6C-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636169
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 25448.8 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

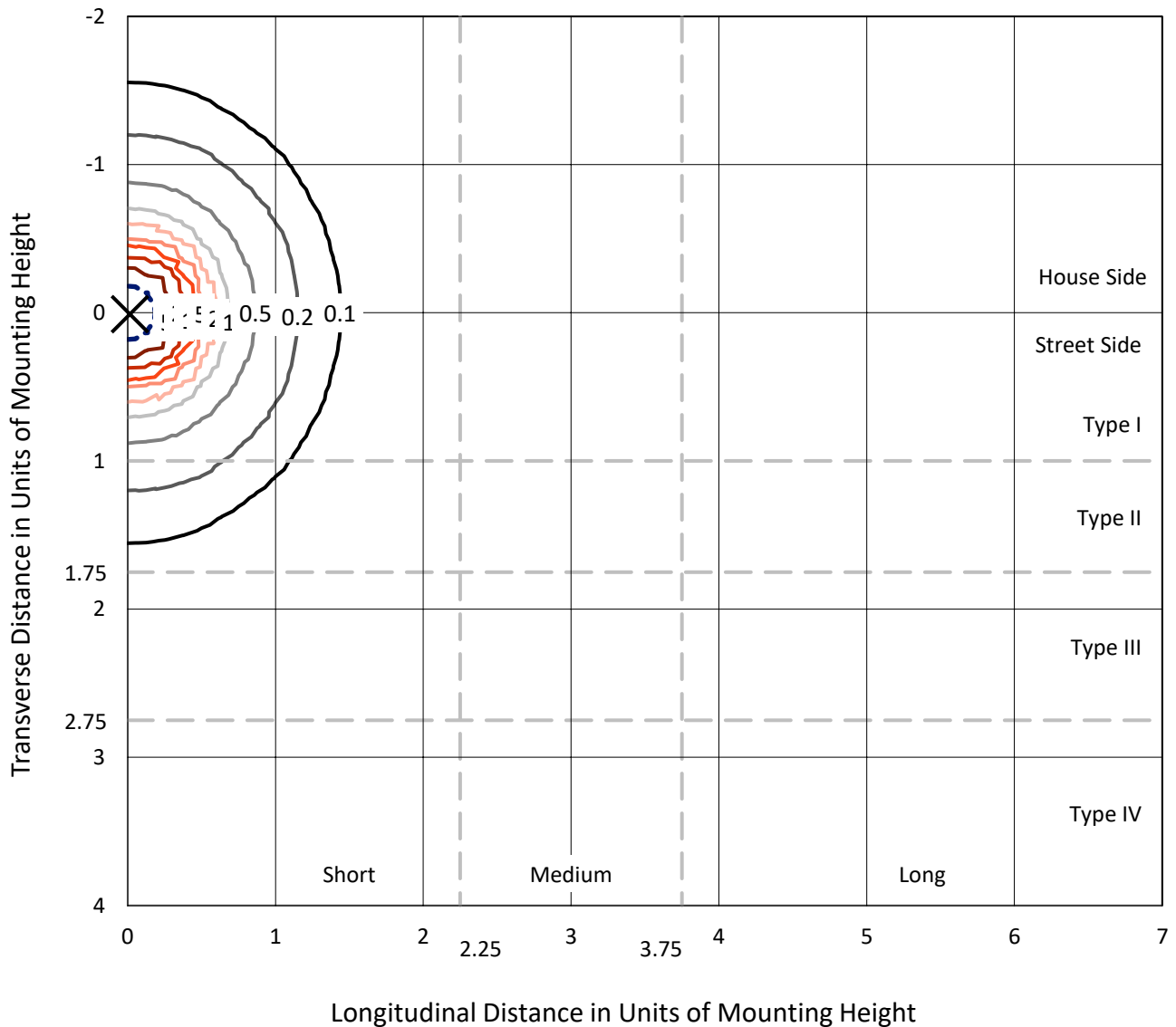
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

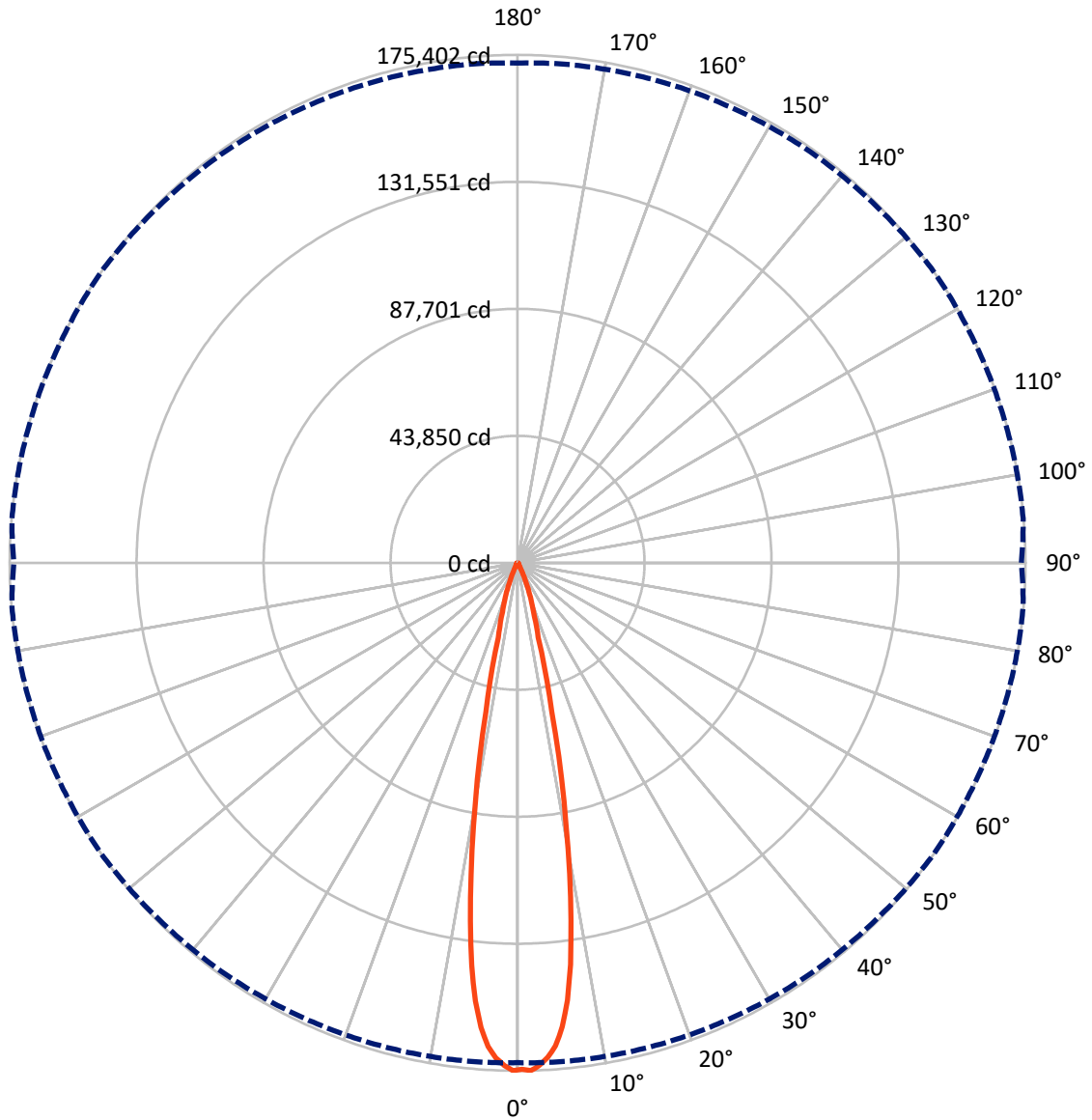
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 437.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12724.4	0.0	12724.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12724.4	0.0	12724.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25448.8	0.0	25448.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12929.9	50.8
10°-20°	9163.6	36.0
20°-30°	2147.2	8.4
30°-40°	448.8	1.8
40°-50°	289.5	1.1
50°-60°	214.4	0.8
60°-70°	145.7	0.6
70°-80°	77.8	0.3
80°-90°	31.9	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°	25448.8	100.0
0°-180°	25448.8	100.0

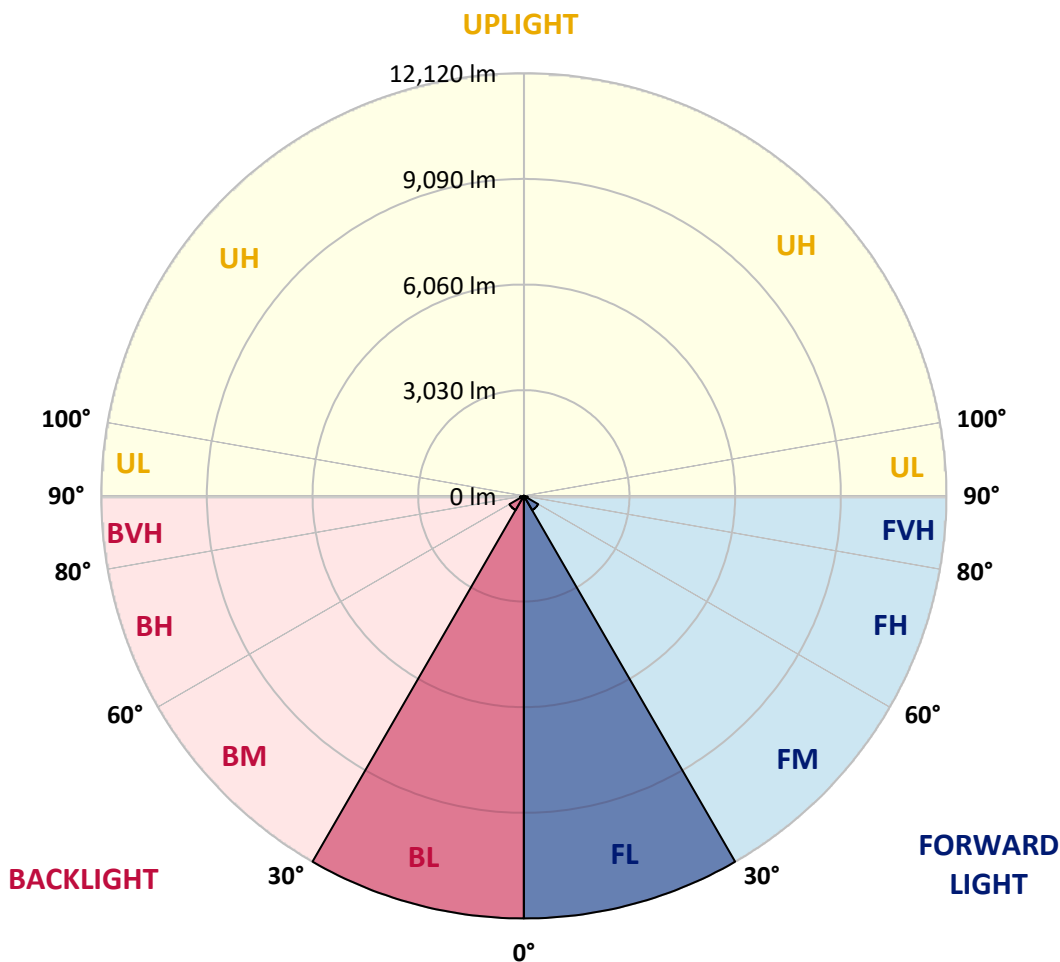


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12120.4	47.6			
FM (30°-60°)	476.4	1.9			
FH (60°-80°)	111.8	0.4			G0/660
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	12120.4	47.6	B5		
BM (30°-60°)	476.4	1.9	B1/1000		
BH (60°-80°)	111.8	0.4	B1/500		G0/660
BVH (80°-90°)	15.9	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°	174951.8	174951.8	174951.8	174951.8	174951.8	174951.8	174951.8	174951.8	174951.8	174951.8
1°	172598.0	172917.6	173309.1	173664.7	174200.2	174636.8	175401.9	175239.9	175217.4	175248.9
2°	169254.1	169654.6	170257.7	170613.3	171995.0	172562.0	173718.7	174060.7	173786.2	174096.7
3°	164244.9	164573.5	165518.6	166216.2	168007.4	169537.6	171085.8	171598.9	171279.4	171423.4
4°	158281.6	158619.2	159762.3	161184.5	163772.4	165469.1	167323.3	167782.4	166738.3	166810.3
5°	151184.2	151341.7	152741.4	154037.6	157134.0	159190.7	160950.5	161094.5	160140.4	159775.8
6°	143200.1	142916.6	144203.7	144752.8	148600.8	150698.1	151985.3	151818.8	151094.2	150783.6
7°	133712.8	133325.8	134365.4	134068.4	137475.3	138672.5	139910.2	139343.1	138767.0	139482.6
8°	122735.9	122519.9	121849.3	123064.4	123739.5	124810.7	124806.2	124477.6	124459.6	125652.3
9°	106776.7	108770.5	108180.9	109454.6	109283.6	109234.1	108905.5	108694.0	107793.9	109166.6
10°	89251.4	90556.6	91551.2	93450.5	93081.4	93603.5	91776.2	92086.8	91488.2	92622.4
12.5°	46198.7	47665.9	48525.5	49974.7	51567.9	53197.1	52670.5	52126.0	51311.3	52310.5
15°	22741.5	23322.1	23596.6	25068.3	26202.5	26612.1	26675.1	26193.5	25986.5	26202.5
17.5°	13956.4	14158.9	14955.5	16647.7	17628.9	17871.9	17714.4	17187.8	16598.2	16350.7
20°	10103.8	10162.4	10463.9	10792.4	12102.1	12786.2	12534.2	12016.6	11472.0	11215.5
22.5°	6597.9	6656.4	6755.4	6935.4	7286.5	8132.6	7858.0	7507.0	7138.0	7061.4
25°	3735.5	3735.5	3839.0	4023.5	4284.6	4347.6	4401.6	4028.0	3857.0	3780.5
27.5°	2083.8	2097.3	2119.8	2191.8	2322.3	2308.8	2250.3	2151.3	2034.3	1912.8
30°	1152.2	1165.7	1179.2	1197.2	1219.7	1179.2	1143.2	1125.2	1075.6	1062.1
32.5°	864.1	864.1	873.1	868.6	846.1	796.6	774.1	801.1	796.6	774.1
35°	711.1	711.1	720.1	738.1	693.1	657.1	639.1	675.1	675.1	661.6
37.5°	580.6	585.1	589.6	612.1	598.6	558.1	553.6	562.6	567.1	562.6
40°	508.6	504.1	504.1	508.6	499.6	490.6	481.6	477.1	481.6	477.1
42.5°	441.1	436.6	445.6	436.6	418.6	423.1	423.1	409.6	414.1	405.1
45°	387.1	382.6	387.1	378.1	364.5	369.0	369.0	351.0	351.0	346.5
47.5°	342.0	342.0	342.0	346.5	324.0	319.5	324.0	319.5	306.0	301.5
50°	297.0	301.5	306.0	315.0	292.5	283.5	283.5	283.5	274.5	270.0
52.5°	274.5	279.0	279.0	279.0	265.5	256.5	256.5	252.0	247.5	243.0
55°	265.5	265.5	265.5	247.5	243.0	238.5	225.0	220.5	216.0	216.0
57.5°	252.0	252.0	247.5	234.0	220.5	220.5	202.5	198.0	193.5	193.5
60°	225.0	225.0	225.0	220.5	202.5	198.0	180.0	171.0	166.5	166.5
62.5°	207.0	207.0	207.0	189.0	184.5	171.0	157.5	144.0	139.5	130.5
65°	189.0	189.0	189.0	171.0	162.0	148.5	130.5	117.0	108.0	94.5
67.5°	175.5	175.5	171.0	157.5	144.0	126.0	108.0	94.5	76.5	67.5
70°	153.0	153.0	148.5	139.5	126.0	112.5	90.0	72.0	58.5	45.0
72.5°	130.5	130.5	126.0	117.0	108.0	94.5	76.5	63.0	40.5	31.5
75°	108.0	108.0	103.5	94.5	90.0	81.0	67.5	49.5	31.5	13.5
77.5°	90.0	90.0	85.5	81.0	76.5	67.5	58.5	40.5	22.5	9.0
80°	67.5	72.0	72.0	72.0	63.0	58.5	54.0	40.5	18.0	4.5
82.5°	49.5	54.0	54.0	54.0	49.5	45.0	49.5	36.0	18.0	4.5
85°	36.0	36.0	40.5	40.5	40.5	40.5	54.0	40.5	13.5	4.5
87.5°	18.0	18.0	18.0	18.0	18.0	22.5	27.0	22.5	9.0	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°
174951.8
173993.2
172917.6
170343.2
165739.1
159015.2
150086.0
139262.1
122344.3
106605.7
89715.0
49605.6
25194.4
16004.1
11017.5
6903.9
3717.5
1917.3
1062.1
760.6
657.1
562.6
481.6
409.6
346.5
301.5
265.5
238.5
211.5
193.5
162.0
121.5
94.5
63.0
45.0
27.0
13.5
4.5
4.5
4.5
4.5
0.0
0.0

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