

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: P636177

Luminaire Tested: **IFLD-L-SA7A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636177
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19170.4 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

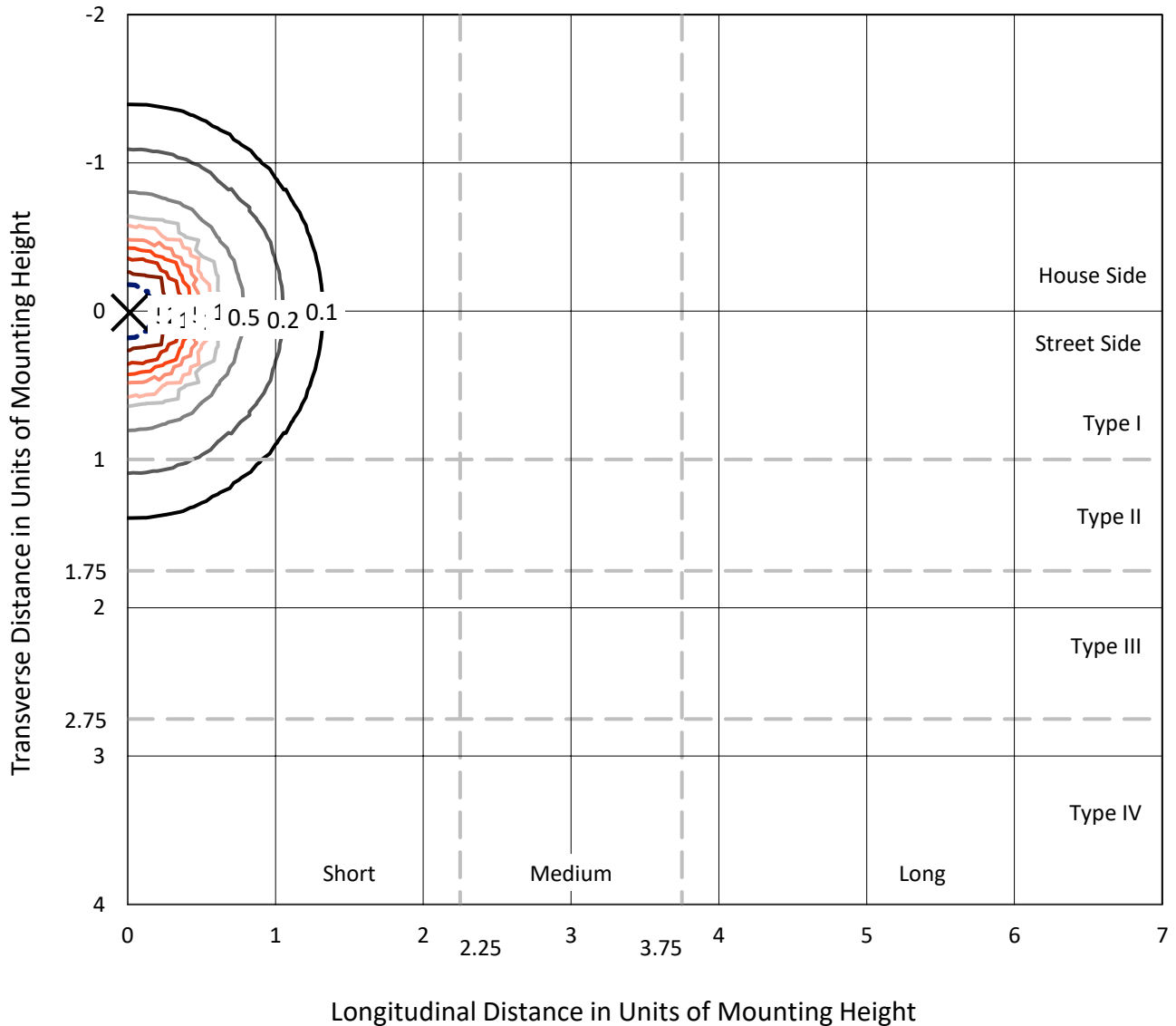
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

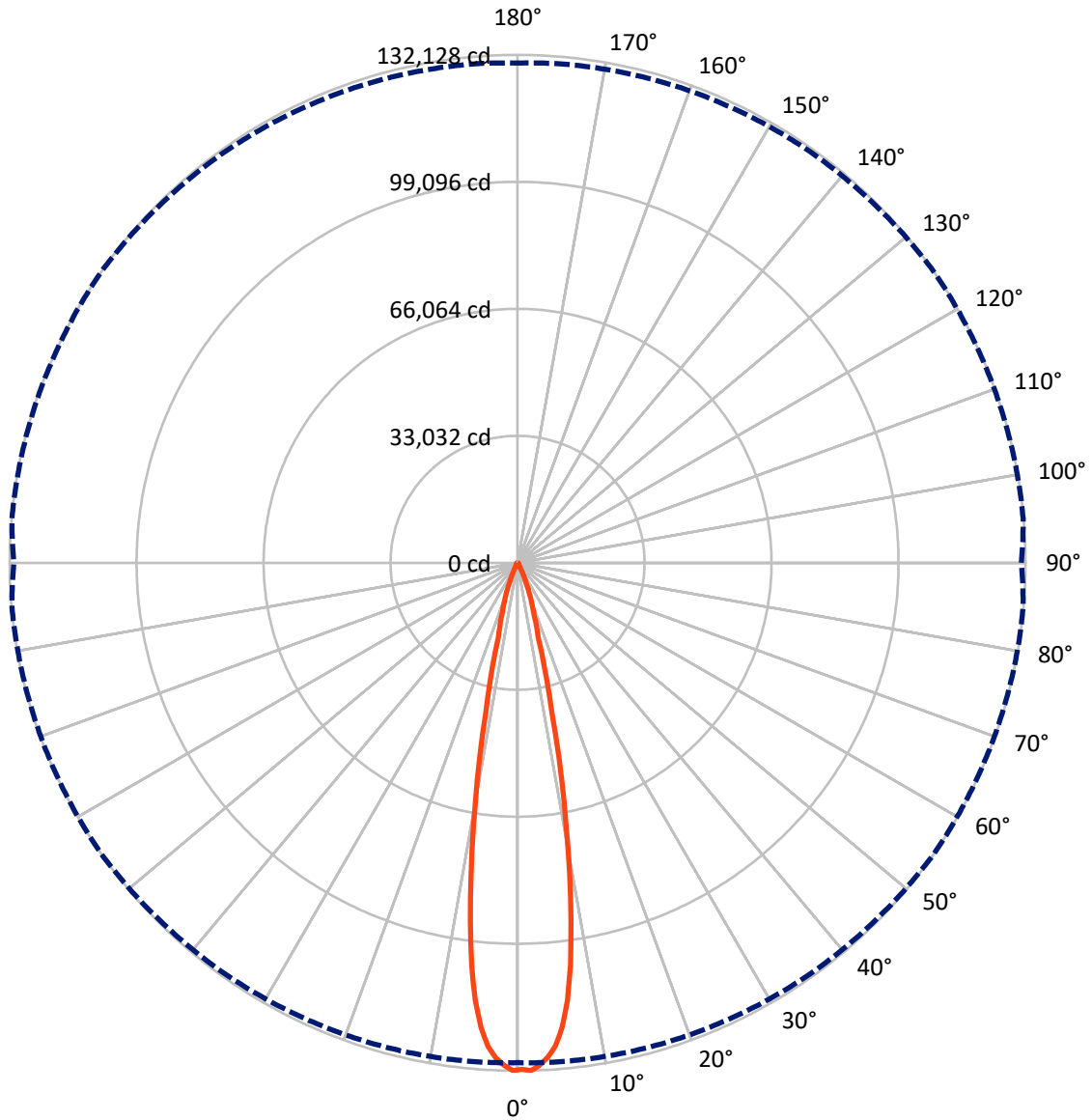
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 329.5 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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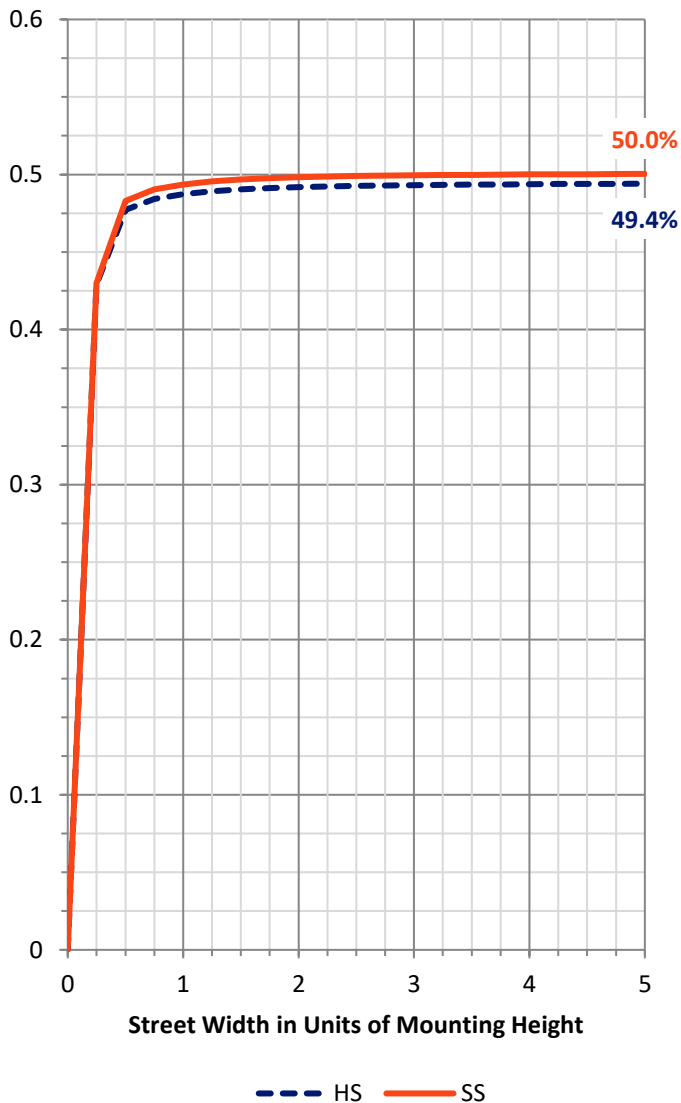
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9585.2	0.0	9585.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9585.2	0.0	9585.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19170.4	0.0	19170.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9740.0	50.8
10°-20°	6902.8	36.0
20°-30°	1617.5	8.4
30°-40°	338.1	1.8
40°-50°	218.1	1.1
50°-60°	161.5	0.8
60°-70°	109.8	0.6
70°-80°	58.6	0.3
80°-90°	24.0	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°	19170.4	100.0
0°-180°	19170.4	100.0

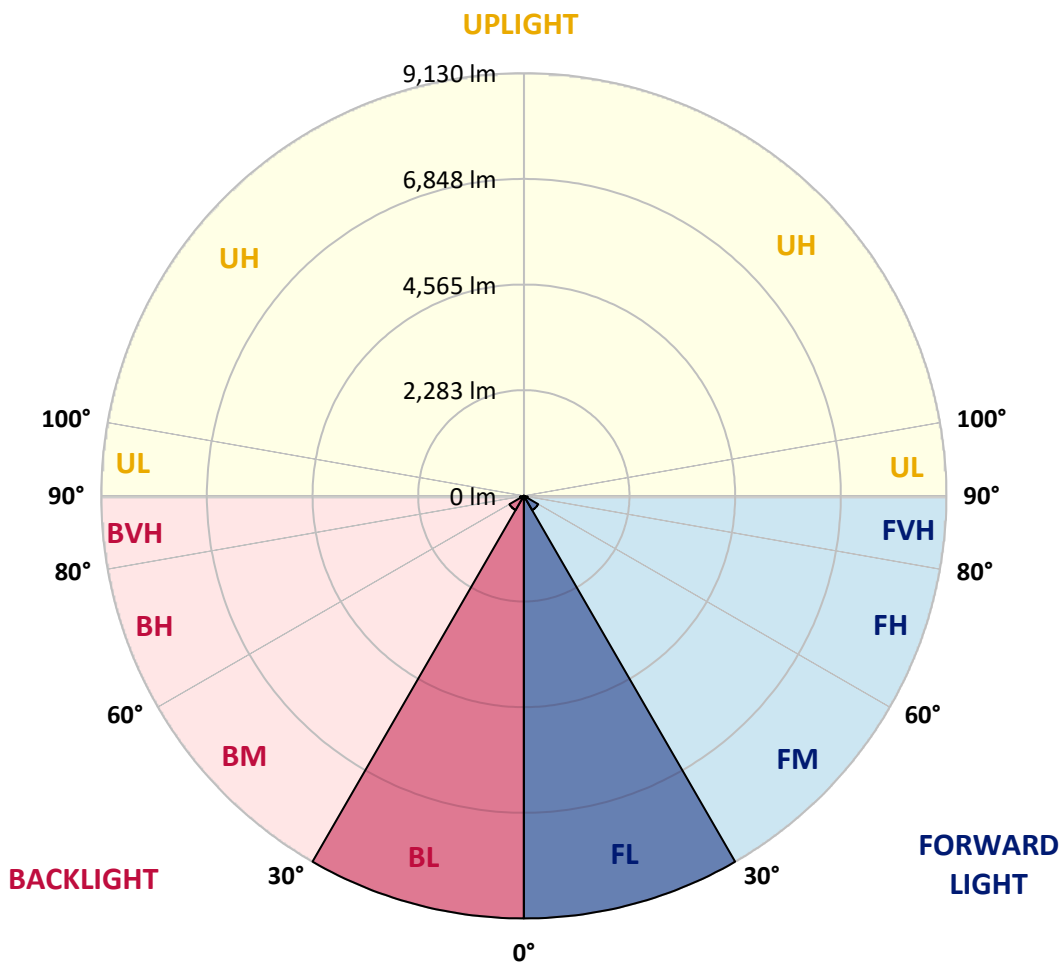


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9130.1	47.6			
FM (30°-60°)	358.8	1.9			
FH (60°-80°)	84.2	0.4			G0/660
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	9130.1	47.6	B5		
BM (30°-60°)	358.8	1.9	B1/1000		
BH (60°-80°)	84.2	0.4	B0/110		G0/660
BVH (80°-90°)	12.0	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°	131789.3	131789.3	131789.3	131789.3	131789.3	131789.3	131789.3	131789.3	131789.3	131789.3
1°	130016.2	130256.9	130551.8	130819.7	131223.1	131552.0	132128.3	132006.3	131989.3	132013.0
2°	127497.2	127798.9	128253.2	128521.1	129561.9	129989.1	130860.3	131118.0	130911.2	131145.1
3°	123723.9	123971.4	124683.3	125208.8	126558.1	127710.8	128877.0	129263.5	129022.8	129131.3
4°	119231.8	119486.1	120347.2	121418.5	123367.9	124646.0	126042.8	126388.6	125602.1	125656.3
5°	113885.4	114004.0	115058.4	116034.8	118367.3	119916.6	121242.2	121350.7	120632.0	120357.3
6°	107871.0	107657.5	108627.1	109040.7	111939.3	113519.2	114488.8	114363.4	113817.5	113583.6
7°	100724.4	100432.8	101216.0	100992.2	103558.6	104460.5	105392.8	104965.6	104531.6	105070.7
8°	92455.6	92292.8	91787.7	92703.1	93211.6	94018.5	94015.1	93767.6	93754.0	94652.5
9°	80433.7	81935.6	81491.5	82450.9	82322.1	82284.8	82037.3	81878.0	81199.9	82234.0
10°	67232.1	68215.3	68964.5	70395.2	70117.2	70510.5	69134.0	69368.0	68917.0	69771.4
12.5°	34800.9	35906.2	36553.7	37645.4	38845.5	40072.8	39676.1	39265.9	38652.3	39404.9
15°	17130.9	17568.3	17775.1	18883.7	19738.0	20046.6	20094.0	19731.3	19575.3	19738.0
17.5°	10513.2	10665.7	11265.8	12540.5	13279.6	13462.7	13344.0	12947.4	12503.3	12316.8
20°	7611.1	7655.2	7882.3	8129.8	9116.4	9631.7	9441.9	9052.0	8641.8	8448.5
22.5°	4970.1	5014.2	5088.8	5224.4	5488.8	6126.2	5919.4	5654.9	5376.9	5319.3
25°	2813.9	2813.9	2891.9	3030.9	3227.5	3275.0	3315.7	3034.3	2905.4	2847.8
27.5°	1569.7	1579.9	1596.8	1651.1	1749.4	1739.2	1695.1	1620.5	1532.4	1440.9
30°	867.9	878.1	888.2	901.8	918.8	888.2	861.1	847.6	810.3	800.1
32.5°	650.9	650.9	657.7	654.3	637.4	600.1	583.1	603.5	600.1	583.1
35°	535.7	535.7	542.4	556.0	522.1	495.0	481.4	508.5	508.5	498.4
37.5°	437.3	440.7	444.1	461.1	450.9	420.4	417.0	423.8	427.2	423.8
40°	383.1	379.7	379.7	383.1	376.3	369.5	362.8	359.4	362.8	359.4
42.5°	332.2	328.9	335.6	328.9	315.3	318.7	318.7	308.5	311.9	305.1
45°	291.6	288.2	291.6	284.8	274.6	278.0	278.0	264.4	264.4	261.0
47.5°	257.7	257.7	257.7	261.0	244.1	240.7	244.1	240.7	230.5	227.1
50°	223.8	227.1	230.5	237.3	220.4	213.6	213.6	213.6	206.8	203.4
52.5°	206.8	210.2	210.2	210.2	200.0	193.2	193.2	189.9	186.5	183.1
55°	200.0	200.0	200.0	186.5	183.1	179.7	169.5	166.1	162.7	162.7
57.5°	189.9	189.9	186.5	176.3	166.1	166.1	152.6	149.2	145.8	145.8
60°	169.5	169.5	169.5	166.1	152.6	149.2	135.6	128.8	125.4	125.4
62.5°	156.0	156.0	156.0	142.4	139.0	128.8	118.7	108.5	105.1	98.3
65°	142.4	142.4	142.4	128.8	122.0	111.9	98.3	88.1	81.4	71.2
67.5°	132.2	132.2	128.8	118.7	108.5	94.9	81.4	71.2	57.6	50.9
70°	115.3	115.3	111.9	105.1	94.9	84.8	67.8	54.2	44.1	33.9
72.5°	98.3	98.3	94.9	88.1	81.4	71.2	57.6	47.5	30.5	23.7
75°	81.4	81.4	78.0	71.2	67.8	61.0	50.9	37.3	23.7	10.2
77.5°	67.8	67.8	64.4	61.0	57.6	50.9	44.1	30.5	17.0	6.8
80°	50.9	54.2	54.2	54.2	47.5	44.1	40.7	30.5	13.6	3.4
82.5°	37.3	40.7	40.7	40.7	37.3	33.9	37.3	27.1	13.6	3.4
85°	27.1	27.1	30.5	30.5	30.5	30.5	40.7	30.5	10.2	3.4
87.5°	13.6	13.6	13.6	13.6	13.6	17.0	20.3	17.0	6.8	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°
131789.3
131067.2
130256.9
128317.7
124849.4
119784.4
113058.1
104904.6
92160.6
80304.9
67581.3
37367.4
18978.6
12055.7
8299.3
5200.6
2800.3
1444.2
800.1
573.0
495.0
423.8
362.8
308.5
261.0
227.1
200.0
179.7
159.3
145.8
122.0
91.5
71.2
47.5
33.9
20.3
10.2
3.4
3.4
3.4
3.4
0.0
0.0

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