

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: P636010

Luminaire Tested: **IFLD-L-SA8C-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636010
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30478.6 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

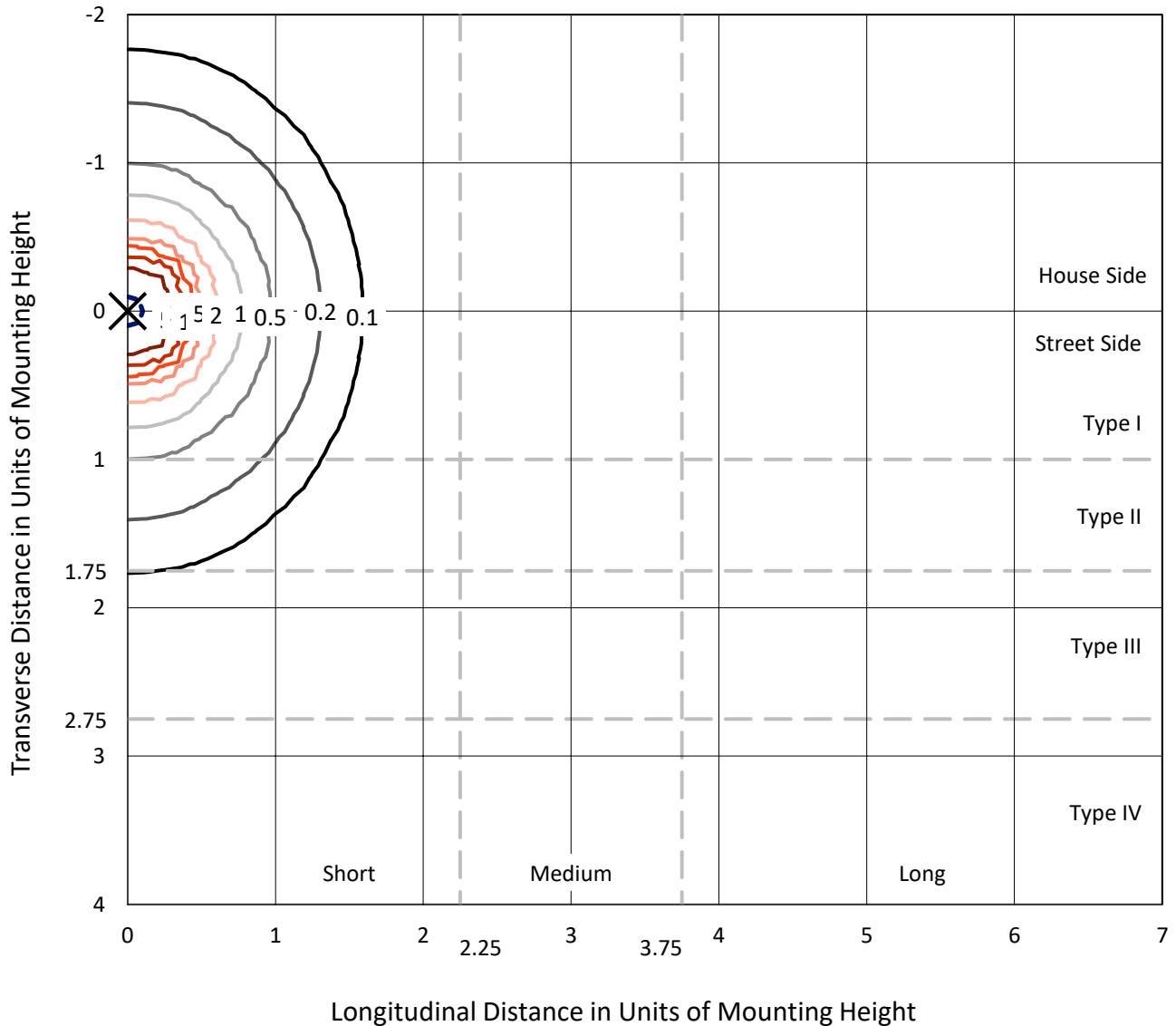
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

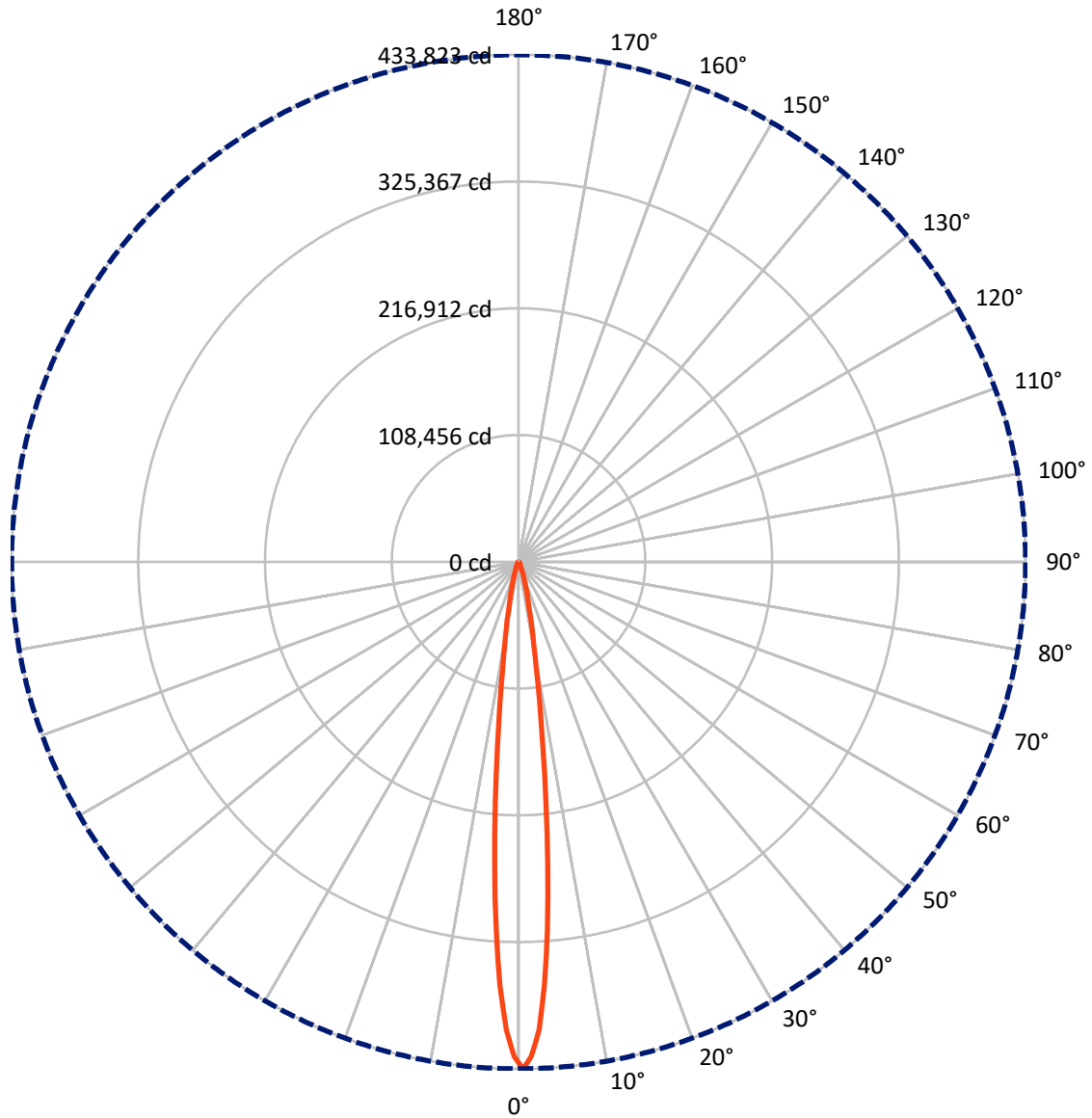
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1084.6 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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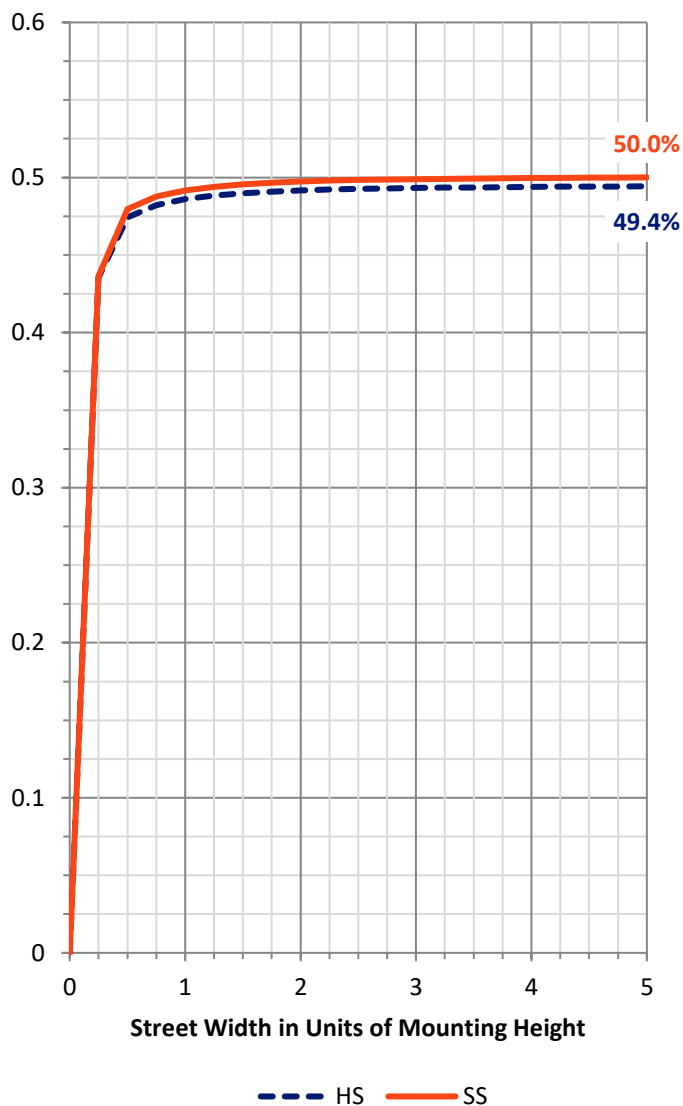
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15239.3	0.0	15239.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15239.3	0.0	15239.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	30478.6	0.0	30478.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18579.2	61.0
10°-20°	8323.6	27.3
20°-30°	1858.8	6.1
30°-40°	606.7	2.0
40°-50°	418.4	1.4
50°-60°	316.1	1.0
60°-70°	216.3	0.7
70°-80°	113.9	0.4
80°-90°	45.5	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°	30478.6	100.0
0°-180°	30478.6	100.0

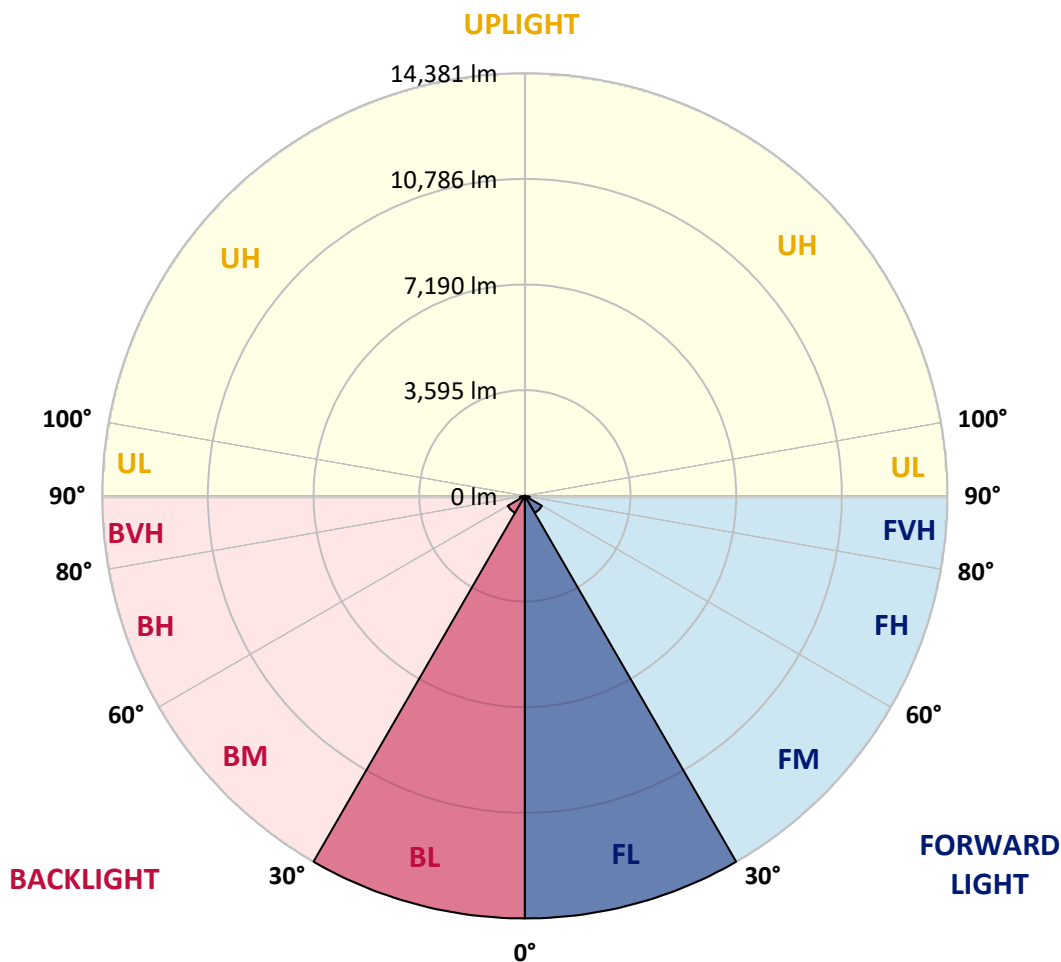


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14380.8	47.2			
FM (30°-60°)	670.6	2.2			
FH (60°-80°)	165.1	0.5			G0/660
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	14380.8	47.2	B5		
BM (30°-60°)	670.6	2.2	B1/1000		
BH (60°-80°)	165.1	0.5	B1/500		G0/660
BVH (80°-90°)	22.7	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°	433823.3	433823.3	433823.3	433823.3	433823.3	433823.3	433823.3	433823.3	433823.3	433823.3
1°	423052.5	423627.9	422987.3	426222.9	427558.4	428253.3	428334.7	430158.8	428752.7	429143.6
2°	400756.3	402037.5	399893.1	401966.9	406114.5	407683.5	405126.5	408286.1	407156.9	407813.7
3°	363291.9	364860.8	361896.7	364432.0	369768.5	370962.8	366771.8	371261.4	371147.4	372092.0
4°	315002.5	317548.6	313314.1	316316.2	318677.8	322836.3	318775.5	323884.0	323786.3	325425.8
5°	260187.6	262940.0	259259.2	262375.4	264612.1	266159.3	264671.8	270323.2	270681.5	272375.3
6°	206550.7	209118.6	205008.9	207983.9	211529.0	212164.1	211778.7	216642.9	217723.2	216404.0
7°	158961.6	159602.2	158956.2	161659.7	164504.4	164607.6	165107.0	169384.9	170335.0	169879.0
8°	121741.5	118810.0	121328.9	122762.1	123641.6	127680.7	127979.3	130134.5	131882.6	132007.4
9°	92670.1	89955.7	92871.0	93441.0	95460.6	99049.0	98598.4	100954.5	102051.2	101980.6
10°	70650.8	69271.9	70732.2	71362.0	73023.2	76063.3	76589.9	77670.3	78484.6	79016.6
12.5°	38338.4	38658.7	39505.6	40167.9	42404.6	43213.5	43539.2	43631.5	43626.1	43712.9
15°	23816.3	24076.9	24668.6	25868.4	27231.0	28235.3	28376.5	27855.3	27404.7	27334.2
17.5°	14853.3	14750.1	16139.9	17453.7	19093.2	19614.4	19071.5	18474.3	17860.9	17508.0
20°	8914.1	8984.7	9457.0	10043.3	11368.0	12269.2	11704.6	11096.5	10461.4	10043.3
22.5°	5065.1	5141.1	5347.4	5651.4	6156.3	6976.0	6617.7	6004.3	5553.7	5369.1
25°	2991.3	2991.3	3116.1	3251.9	3463.6	3653.6	3577.6	3251.9	2985.9	2909.9
27.5°	1938.1	1921.8	1965.2	2030.4	2128.1	2139.0	2052.1	1954.4	1818.7	1769.8
30°	1416.9	1422.4	1416.9	1444.1	1438.6	1400.6	1346.3	1351.8	1297.5	1292.1
32.5°	1150.9	1156.3	1156.3	1150.9	1123.8	1064.1	1026.0	1064.1	1053.2	1042.3
35°	955.5	960.9	1015.2	1009.8	966.3	901.2	874.0	917.5	950.0	901.2
37.5°	825.2	830.6	874.0	895.8	841.5	798.0	765.5	803.5	852.3	798.0
40°	727.5	732.9	743.7	749.2	722.0	700.3	684.0	694.9	716.6	689.5
42.5°	640.6	635.2	640.6	635.2	602.6	613.5	602.6	586.3	602.6	580.9
45°	559.2	559.2	559.2	542.9	510.3	532.0	521.2	504.9	510.3	494.0
47.5°	510.3	510.3	510.3	488.6	461.5	461.5	466.9	439.7	445.2	439.7
50°	461.5	461.5	472.3	450.6	428.9	412.6	418.0	396.3	401.7	396.3
52.5°	423.4	423.4	423.4	412.6	396.3	385.4	374.6	363.7	358.3	352.9
55°	407.2	407.2	401.7	369.2	363.7	352.9	331.2	325.7	314.9	309.4
57.5°	380.0	380.0	374.6	347.4	325.7	325.7	293.2	287.7	271.4	271.4
60°	336.6	336.6	331.2	325.7	298.6	282.3	260.6	249.7	233.4	228.0
62.5°	320.3	320.3	309.4	282.3	276.9	249.7	228.0	206.3	195.4	184.6
65°	298.6	293.2	287.7	260.6	238.9	222.6	195.4	168.3	157.4	135.7
67.5°	266.0	266.0	260.6	238.9	217.2	190.0	162.9	141.1	114.0	97.7
70°	233.4	228.0	228.0	206.3	190.0	168.3	130.3	108.6	81.4	65.1
72.5°	195.4	195.4	190.0	173.7	162.9	146.6	114.0	86.9	54.3	43.4
75°	157.4	157.4	152.0	141.1	135.7	119.4	97.7	76.0	43.4	21.7
77.5°	130.3	124.9	124.9	114.0	108.6	97.7	81.4	59.7	32.6	16.3
80°	97.7	97.7	103.1	97.7	86.9	81.4	70.6	54.3	27.1	10.9
82.5°	70.6	70.6	76.0	76.0	76.0	70.6	70.6	54.3	27.1	5.4
85°	48.9	48.9	59.7	54.3	54.3	59.7	86.9	70.6	21.7	5.4
87.5°	27.1	27.1	27.1	21.7	21.7	27.1	32.6	27.1	10.9	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
433823.3
426271.8
405468.5
369556.8
322548.5
269139.7
216539.8
169254.6
130433.1
103641.8
79331.5
43783.5
27117.0
17453.7
10135.6
5390.8
2899.0
1769.8
1286.6
1020.6
890.3
792.6
678.6
580.9
494.0
439.7
396.3
352.9
304.0
271.4
217.2
179.2
130.3
97.7
65.1
38.0
21.7
10.9
5.4
5.4
5.4
5.4
0.0

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