

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: P636084

Luminaire Tested: **IFLD-S-SA6E-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636084
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36331.6 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

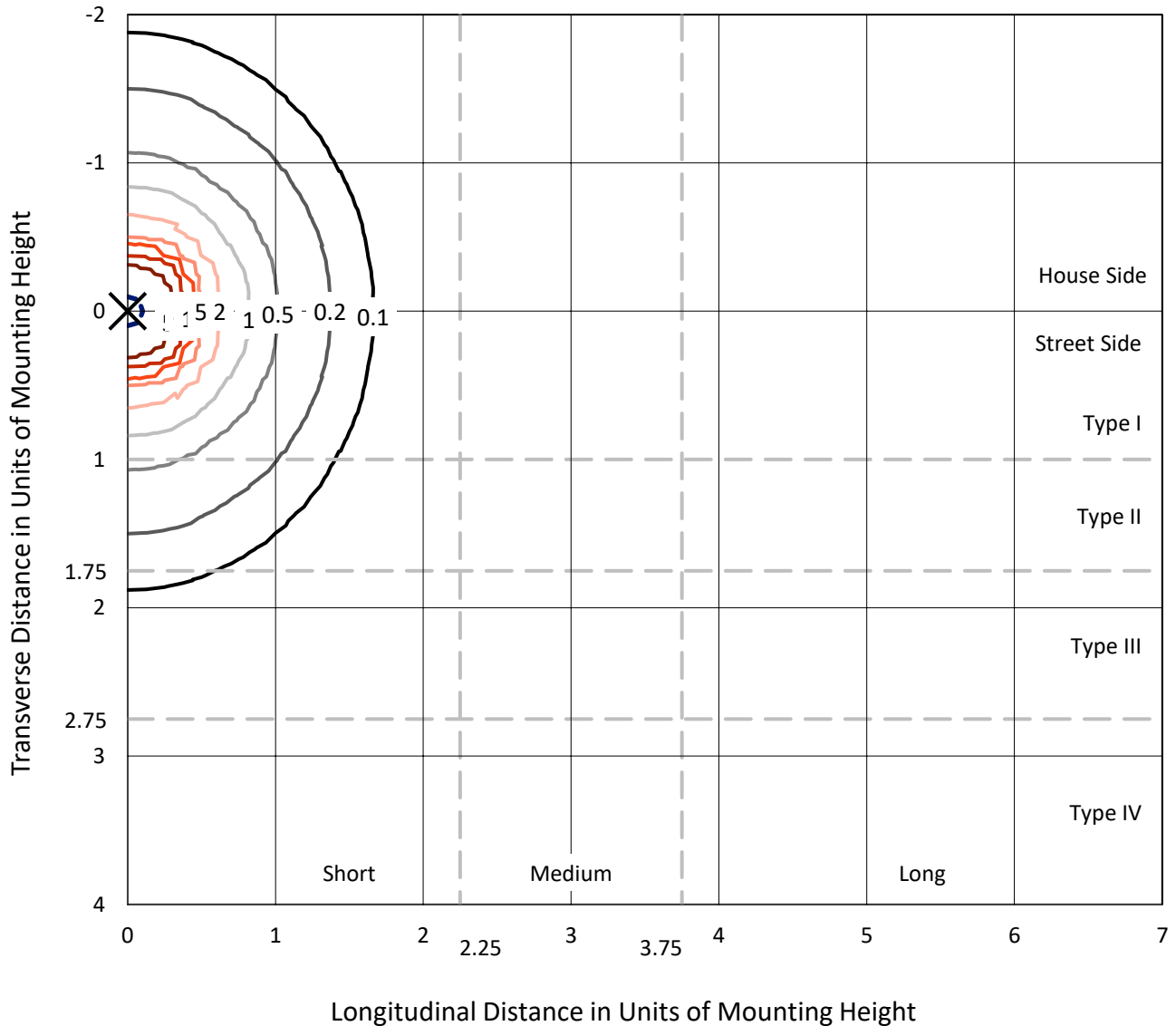
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

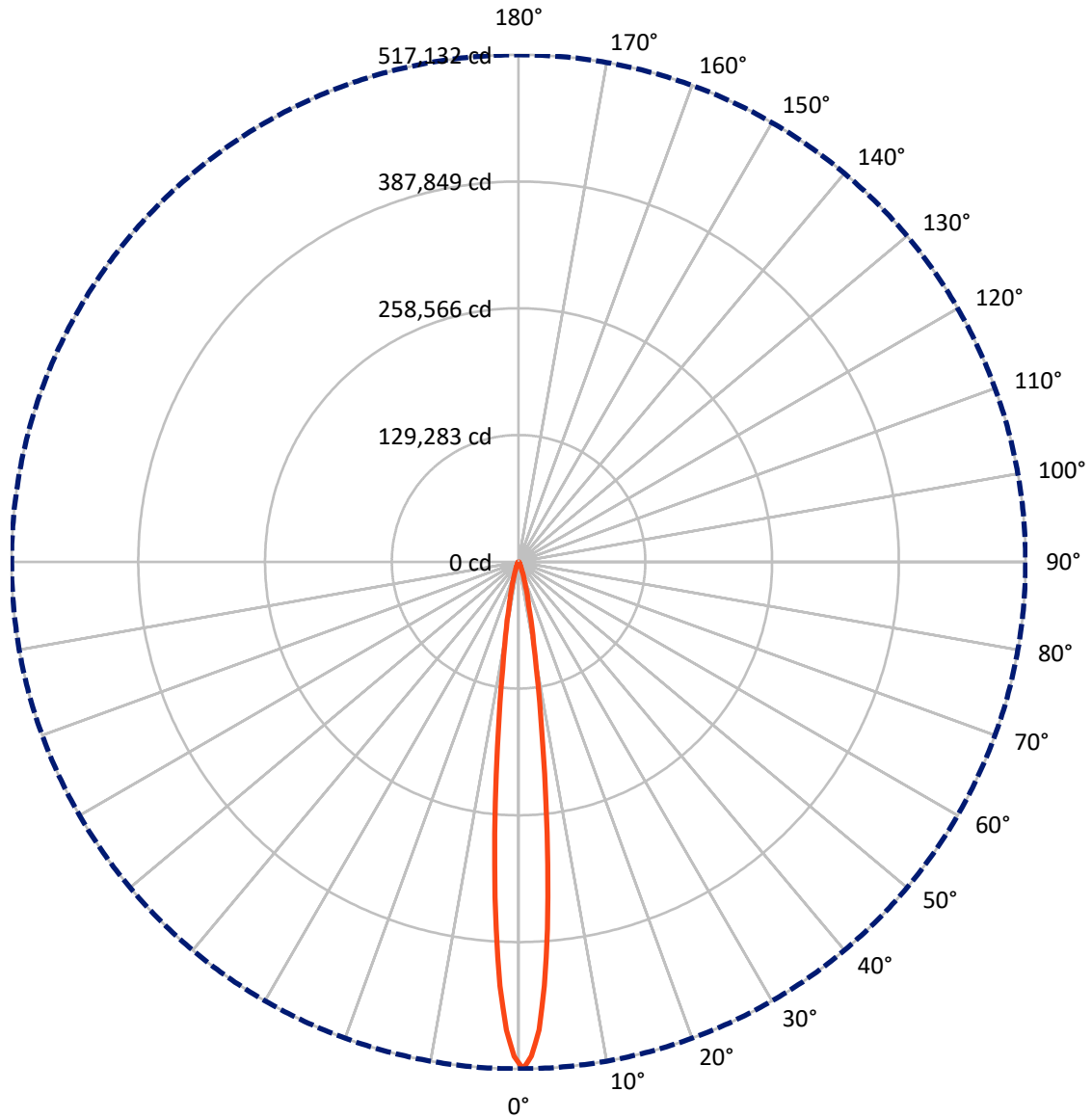
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1292.8 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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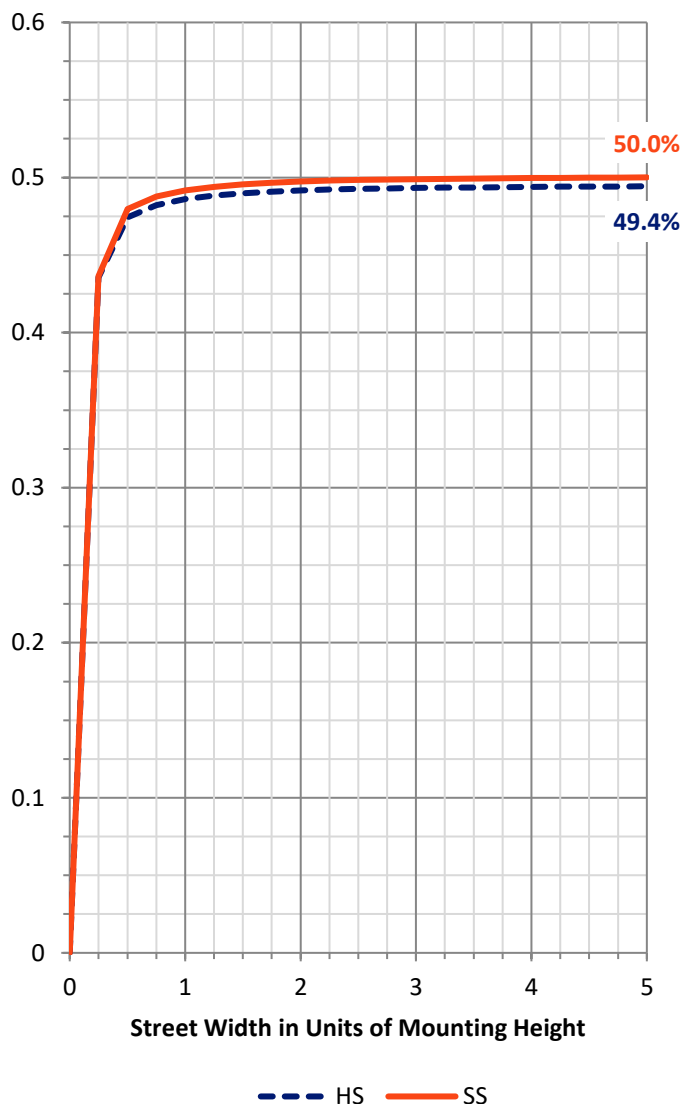
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18165.8	0.0	18165.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18165.8	0.0	18165.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	36331.6	0.0	36331.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22147.0	61.0
10°-20°	9922.0	27.3
20°-30°	2215.8	6.1
30°-40°	723.2	2.0
40°-50°	498.8	1.4
50°-60°	376.8	1.0
60°-70°	257.9	0.7
70°-80°	135.8	0.4
80°-90°	54.2	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°	36331.6	100.0
0°-180°	36331.6	100.0

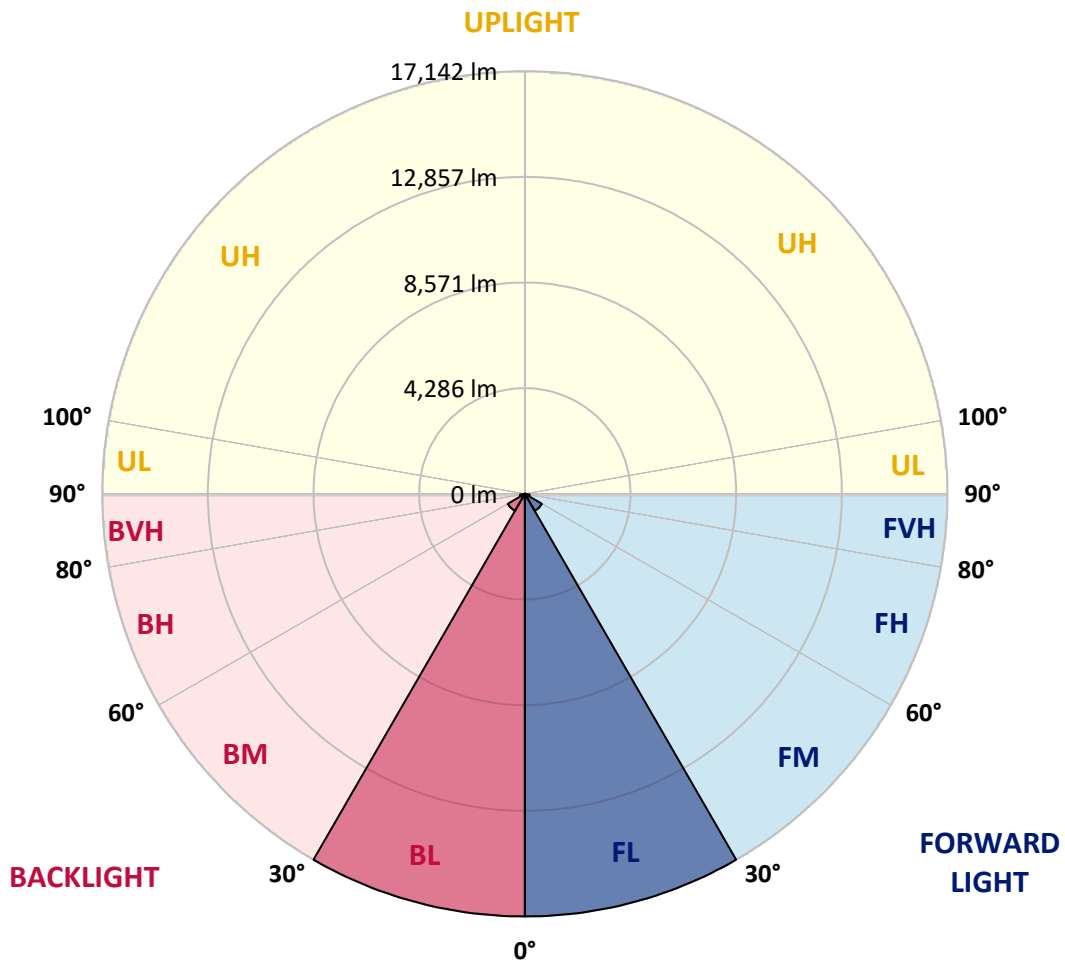


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17142.4	47.2			
FM (30°-60°)	799.4	2.2			
FH (60°-80°)	196.8	0.5			G0/660
FVH (80°-90°)	27.1	0.1			G1/100
BL (0°-30°)	17142.4	47.2	B5		
BM (30°-60°)	799.4	2.2	B1/1000		
BH (60°-80°)	196.8	0.5	B1/500		G0/660
BVH (80°-90°)	27.1	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°	517132.0	517132.0	517132.0	517132.0	517132.0	517132.0	517132.0	517132.0	517132.0	517132.0
1°	504292.8	504978.8	504215.2	508072.1	509664.1	510492.4	510589.5	512763.8	511087.8	511553.7
2°	477715.0	479242.2	476686.1	479158.1	484102.2	485972.4	482924.4	486690.8	485344.7	486127.8
3°	433056.2	434926.4	431393.1	434415.2	440776.5	442200.2	437204.4	442556.2	442420.3	443546.3
4°	375493.6	378528.6	373481.0	377059.6	379874.7	384831.7	379991.2	386080.7	385964.2	387918.6
5°	310152.4	313433.3	309045.8	312760.3	315426.5	317270.8	315497.7	322234.4	322661.5	324680.5
6°	246215.4	249276.4	244377.6	247923.9	252149.7	252906.8	252447.3	258245.7	259533.5	257960.9
7°	189487.6	190251.2	189481.1	192703.8	196094.8	196217.8	196813.1	201912.6	203045.1	202501.5
8°	145120.0	141625.5	144628.2	146336.6	147385.0	152199.7	152555.6	155124.7	157208.5	157357.3
9°	110465.9	107230.3	110705.4	111384.9	113792.2	118069.8	117532.6	120341.2	121648.4	121564.3
10°	84218.1	82574.4	84315.2	85065.9	87046.1	90670.1	91297.8	92585.6	93556.3	94190.5
12.5°	45700.7	46082.5	47092.0	47881.5	50547.7	51511.9	51900.2	52010.2	52003.8	52107.3
15°	28389.8	28700.4	29405.8	30836.0	32460.3	33657.5	33825.7	33204.5	32667.4	32583.2
17.5°	17705.6	17582.7	19239.3	20805.4	22759.7	23381.0	22733.8	22022.0	21290.7	20870.1
20°	10626.0	10710.1	11273.1	11972.0	13551.0	14625.2	13952.2	13227.4	12470.3	11972.0
22.5°	6037.8	6128.4	6374.3	6736.7	7338.5	8315.7	7888.6	7157.3	6620.2	6400.2
25°	3565.7	3565.7	3714.6	3876.3	4128.7	4355.2	4264.6	3876.3	3559.2	3468.6
27.5°	2310.3	2290.9	2342.6	2420.3	2536.8	2549.7	2446.2	2329.7	2167.9	2109.7
30°	1689.0	1695.5	1689.0	1721.4	1714.9	1669.6	1604.9	1611.4	1546.7	1540.2
32.5°	1371.9	1378.4	1378.4	1371.9	1339.6	1268.4	1223.1	1268.4	1255.4	1242.5
35°	1139.0	1145.4	1210.1	1203.7	1151.9	1074.2	1041.9	1093.7	1132.5	1074.2
37.5°	983.6	990.1	1041.9	1067.8	1003.1	951.3	912.5	957.8	1016.0	951.3
40°	867.2	873.6	886.6	893.0	860.7	834.8	815.4	828.3	854.2	821.9
42.5°	763.6	757.1	763.6	757.1	718.3	731.3	718.3	698.9	718.3	692.4
45°	666.5	666.5	666.5	647.1	608.3	634.2	621.2	601.8	608.3	588.9
47.5°	608.3	608.3	608.3	582.4	550.1	550.1	556.5	524.2	530.7	524.2
50°	550.1	550.1	563.0	537.1	511.2	491.8	498.3	472.4	478.9	472.4
52.5°	504.8	504.8	504.8	491.8	472.4	459.5	446.5	433.6	427.1	420.6
55°	485.4	485.4	478.9	440.1	433.6	420.6	394.8	388.3	375.3	368.9
57.5°	453.0	453.0	446.5	414.2	388.3	388.3	349.5	343.0	323.6	323.6
60°	401.2	401.2	394.8	388.3	355.9	336.5	310.6	297.7	278.3	271.8
62.5°	381.8	381.8	368.9	336.5	330.0	297.7	271.8	245.9	233.0	220.0
65°	355.9	349.5	343.0	310.6	284.7	265.3	233.0	200.6	187.7	161.8
67.5°	317.1	317.1	310.6	284.7	258.9	226.5	194.1	168.3	135.9	116.5
70°	278.3	271.8	271.8	245.9	226.5	200.6	155.3	129.4	97.1	77.7
72.5°	233.0	233.0	226.5	207.1	194.1	174.7	135.9	103.5	64.7	51.8
75°	187.7	187.7	181.2	168.3	161.8	142.4	116.5	90.6	51.8	25.9
77.5°	155.3	148.8	148.8	135.9	129.4	116.5	97.1	71.2	38.8	19.4
80°	116.5	116.5	123.0	116.5	103.5	97.1	84.1	64.7	32.4	12.9
82.5°	84.1	84.1	90.6	90.6	90.6	84.1	84.1	64.7	32.4	6.5
85°	58.2	58.2	71.2	64.7	64.7	71.2	103.5	84.1	25.9	6.5
87.5°	32.4	32.4	32.4	25.9	25.9	32.4	38.8	32.4	12.9	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
517132.0
508130.3
483332.1
440524.2
384488.7
320823.6
258122.7
201757.3
155480.6
123544.5
94565.8
52191.4
32324.4
20805.4
12082.0
6426.0
3455.7
2109.7
1533.7
1216.6
1061.3
944.8
808.9
692.4
588.9
524.2
472.4
420.6
362.4
323.6
258.9
213.6
155.3
116.5
77.7
45.3
25.9
12.9
6.5
6.5
6.5
6.5
0.0

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