

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: P636083

Luminaire Tested: **IFLD-S-SA6D-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636083
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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: 31393.9 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

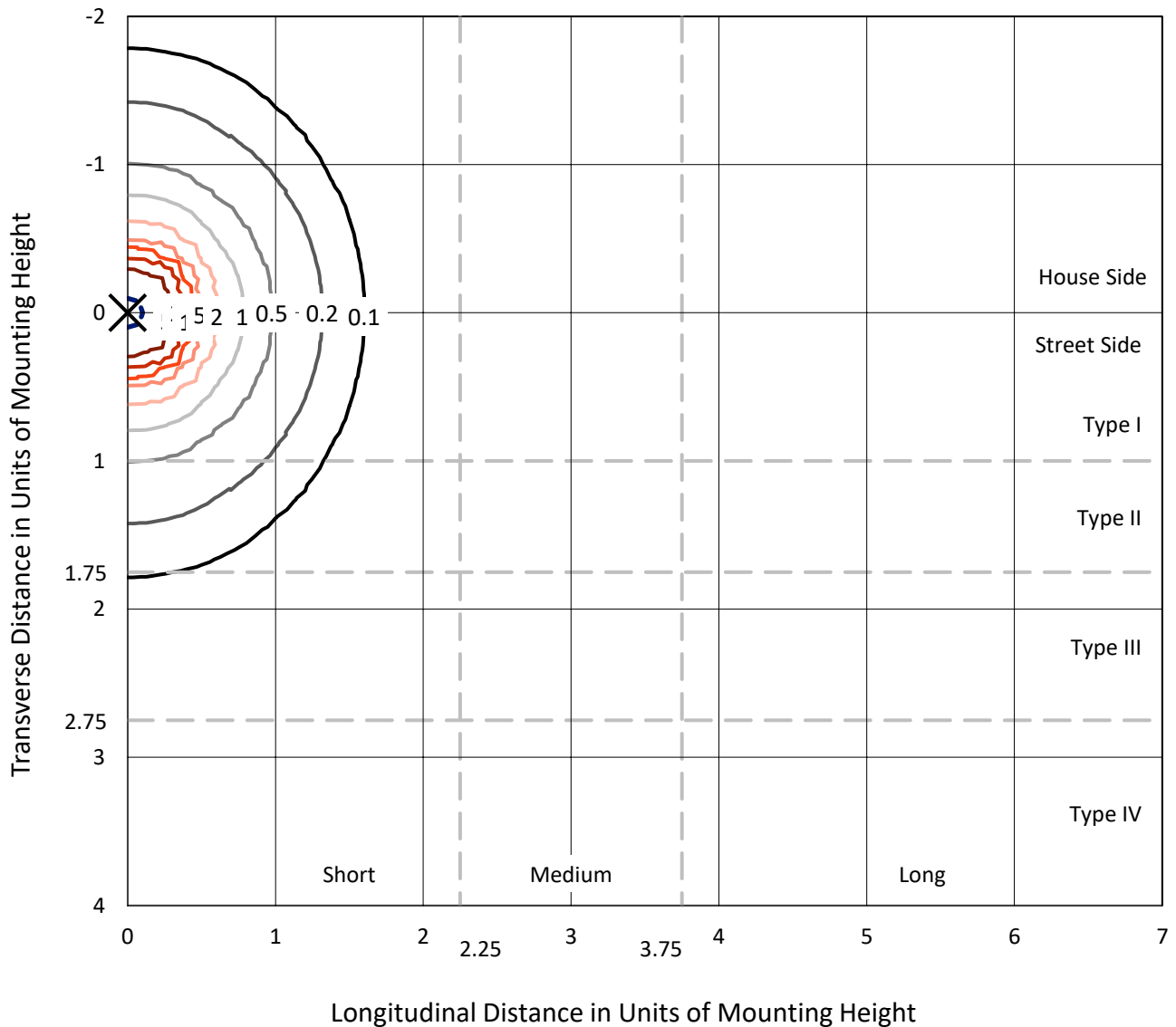
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

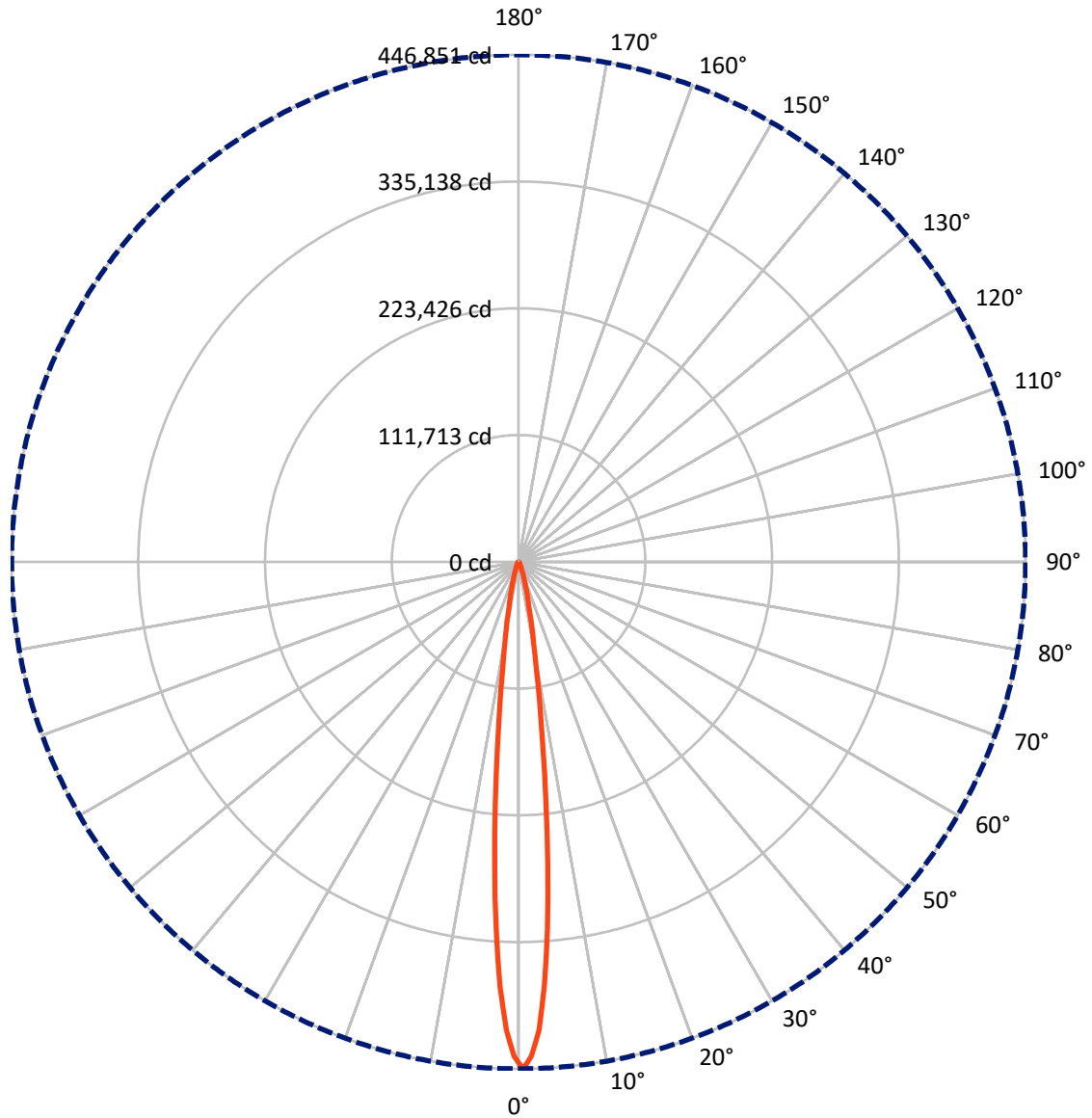
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1117.1 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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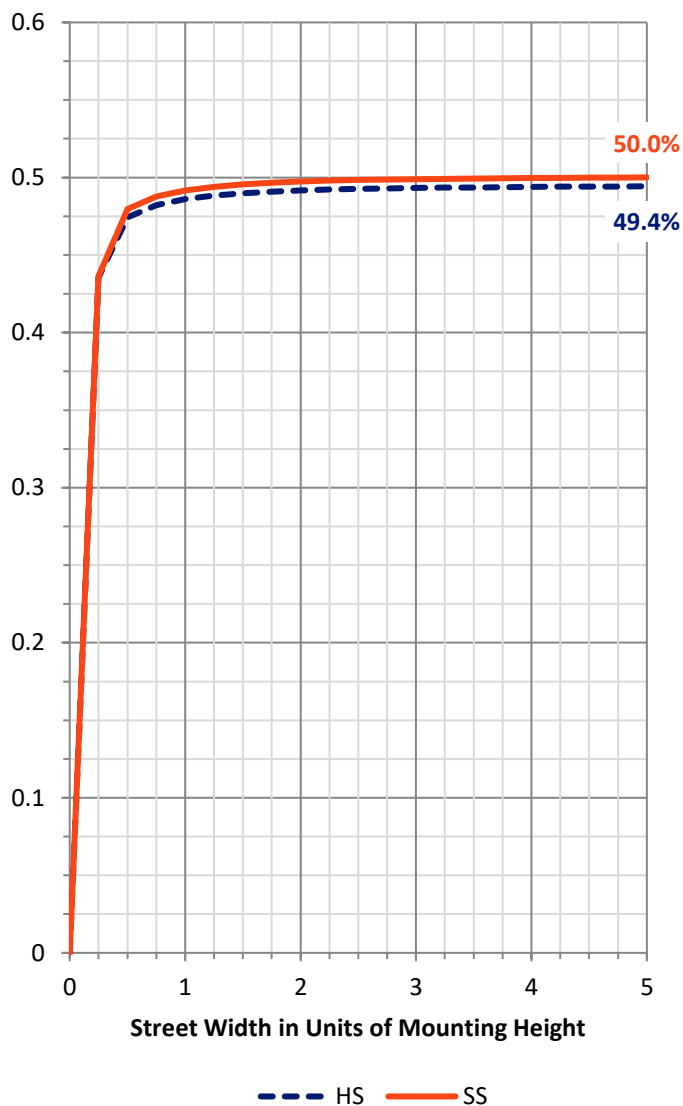
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15697.0	0.0	15697.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15697.0	0.0	15697.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31393.9	0.0	31393.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19137.1	61.0
10°-20°	8573.6	27.3
20°-30°	1914.7	6.1
30°-40°	624.9	2.0
40°-50°	431.0	1.4
50°-60°	325.6	1.0
60°-70°	222.8	0.7
70°-80°	117.4	0.4
80°-90°	46.8	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°	31393.9	100.0
0°-180°	31393.9	100.0

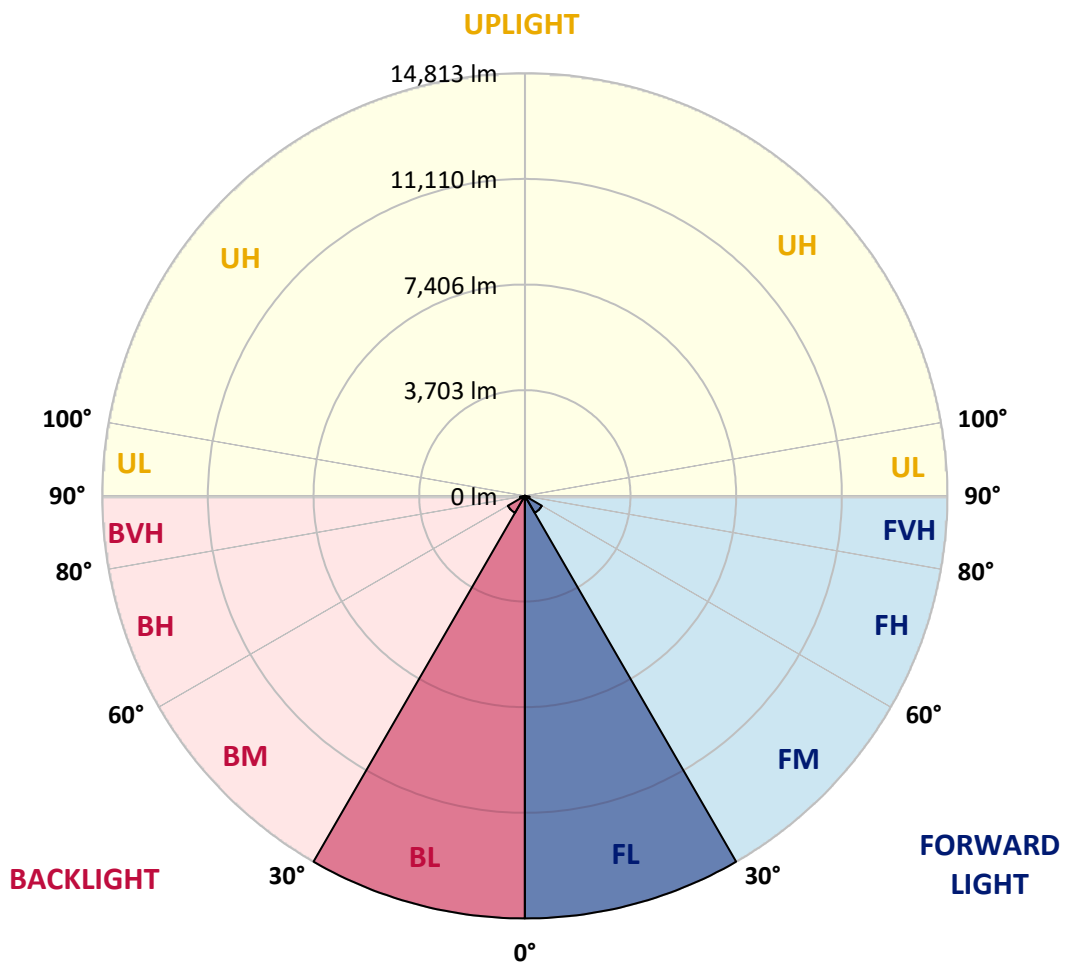


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14812.7	47.2			
FM (30°-60°)	690.8	2.2			
FH (60°-80°)	170.1	0.5			G0/660
FVH (80°-90°)	23.4	0.1			G1/100
BL (0°-30°)	14812.7	47.2	B5		
BM (30°-60°)	690.8	2.2	B1/1000		
BH (60°-80°)	170.1	0.5	B1/500		G0/660
BVH (80°-90°)	23.4	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°	446851.2	446851.2	446851.2	446851.2	446851.2	446851.2	446851.2	446851.2	446851.2	446851.2
1°	435756.9	436349.7	435689.8	439022.6	440398.2	441113.9	441197.8	443076.7	441628.4	442031.0
2°	412791.2	414110.8	411902.1	414038.2	418310.3	419926.4	417292.6	420547.1	419384.0	420060.6
3°	374201.7	375817.8	372764.6	375376.0	380872.8	382103.0	377786.1	382410.6	382293.2	383266.1
4°	324462.1	327084.7	322723.1	325815.4	328247.8	332531.2	328348.5	333610.4	333509.8	335198.5
5°	268001.1	270836.2	267044.9	270254.6	272558.5	274152.2	272620.0	278441.1	278810.2	280554.8
6°	212753.5	215398.5	211165.4	214229.8	217881.3	218535.5	218138.5	223148.8	224261.6	222902.8
7°	163735.3	164395.1	163729.7	166514.4	169444.6	169550.8	170065.3	174471.6	175450.2	174980.5
8°	125397.5	122377.9	124972.5	126448.7	127354.6	131515.0	131822.5	134042.5	135843.1	135971.7
9°	95453.1	92657.1	95660.0	96247.1	98327.3	102023.5	101559.4	103986.2	105115.8	105043.1
10°	72772.5	71352.1	72856.4	73505.0	75216.1	78347.6	78890.0	80002.8	80841.5	81389.5
12.5°	39489.7	39819.6	40692.0	41374.2	43678.0	44511.2	44846.7	44941.8	44936.2	45025.7
15°	24531.5	24799.9	25409.4	26645.2	28048.8	29083.3	29228.7	28691.8	28227.7	28155.0
17.5°	15299.3	15193.1	16624.6	17977.8	19666.6	20203.4	19644.2	19029.1	18397.2	18033.8
20°	9181.8	9254.5	9741.0	10344.9	11709.4	12637.6	12056.1	11429.8	10775.5	10344.9
22.5°	5217.2	5295.5	5508.0	5821.1	6341.2	7185.5	6816.5	6184.6	5720.5	5530.4
25°	3081.1	3081.1	3209.7	3349.5	3567.6	3763.3	3685.0	3349.5	3075.5	2997.2
27.5°	1996.3	1979.5	2024.3	2091.4	2192.0	2203.2	2113.7	2013.1	1873.3	1822.9
30°	1459.5	1465.1	1459.5	1487.4	1481.8	1442.7	1386.8	1392.4	1336.5	1330.9
32.5°	1185.5	1191.1	1191.1	1185.5	1157.5	1096.0	1056.9	1096.0	1084.8	1073.6
35°	984.2	989.8	1045.7	1040.1	995.4	928.2	900.3	945.0	978.6	928.2
37.5°	850.0	855.6	900.3	922.7	866.7	822.0	788.5	827.6	877.9	822.0
40°	749.3	754.9	766.1	771.7	743.7	721.4	704.6	715.8	738.1	710.2
42.5°	659.8	654.2	659.8	654.2	620.7	631.9	620.7	603.9	620.7	598.3
45°	576.0	576.0	576.0	559.2	525.6	548.0	536.8	520.0	525.6	508.9
47.5°	525.6	525.6	525.6	503.3	475.3	475.3	480.9	452.9	458.5	452.9
50°	475.3	475.3	486.5	464.1	441.8	425.0	430.6	408.2	413.8	408.2
52.5°	436.2	436.2	436.2	425.0	408.2	397.0	385.8	374.7	369.1	363.5
55°	419.4	419.4	413.8	380.2	374.7	363.5	341.1	335.5	324.3	318.7
57.5°	391.4	391.4	385.8	357.9	335.5	335.5	302.0	296.4	279.6	279.6
60°	346.7	346.7	341.1	335.5	307.6	290.8	268.4	257.2	240.5	234.9
62.5°	329.9	329.9	318.7	290.8	285.2	257.2	234.9	212.5	201.3	190.1
65°	307.6	302.0	296.4	268.4	246.0	229.3	201.3	173.3	162.2	139.8
67.5°	274.0	274.0	268.4	246.0	223.7	195.7	167.8	145.4	117.4	100.7
70°	240.5	234.9	234.9	212.5	195.7	173.3	134.2	111.8	83.9	67.1
72.5°	201.3	201.3	195.7	178.9	167.8	151.0	117.4	89.5	55.9	44.7
75°	162.2	162.2	156.6	145.4	139.8	123.0	100.7	78.3	44.7	22.4
77.5°	134.2	128.6	128.6	117.4	111.8	100.7	83.9	61.5	33.6	16.8
80°	100.7	100.7	106.2	100.7	89.5	83.9	72.7	55.9	28.0	11.2
82.5°	72.7	72.7	78.3	78.3	78.3	72.7	72.7	55.9	28.0	5.6
85°	50.3	50.3	61.5	55.9	55.9	61.5	89.5	72.7	22.4	5.6
87.5°	28.0	28.0	28.0	22.4	22.4	28.0	33.6	28.0	11.2	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

446851.2
439072.9
417644.9
380654.7
332234.8
277222.1
223042.6
174337.4
134350.0
106754.2
81713.9
45098.4
27931.3
17977.8
10440.0
5552.7
2986.1
1822.9
1325.3
1051.3
917.1
816.4
699.0
598.3
508.9
452.9
408.2
363.5
313.1
279.6
223.7
184.5
134.2
100.7
67.1
39.1
22.4
11.2
5.6
5.6
5.6
5.6
0.0

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