

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: P636197

Luminaire Tested: **IFLD-S-SA6B-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636197
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21210.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

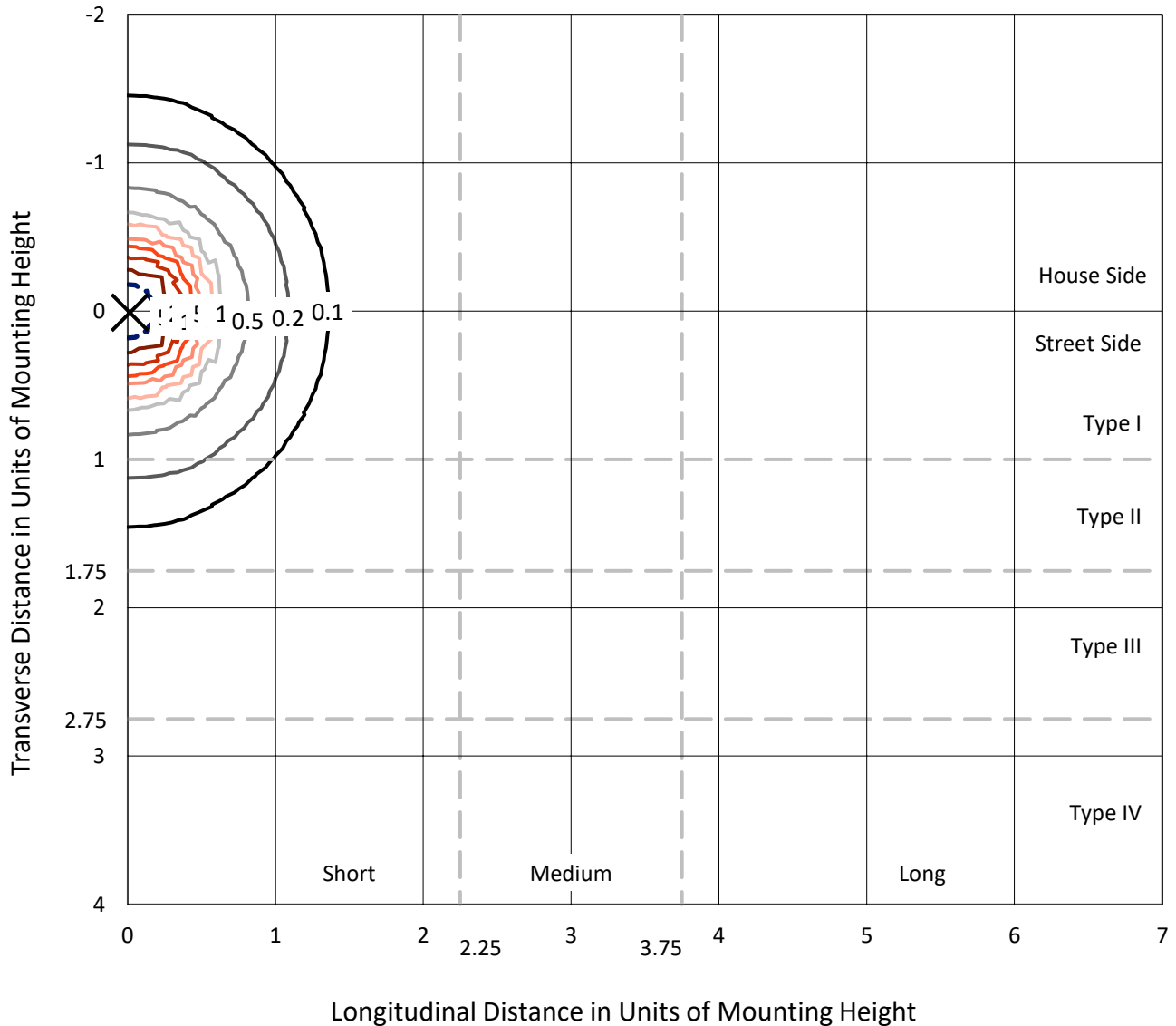
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

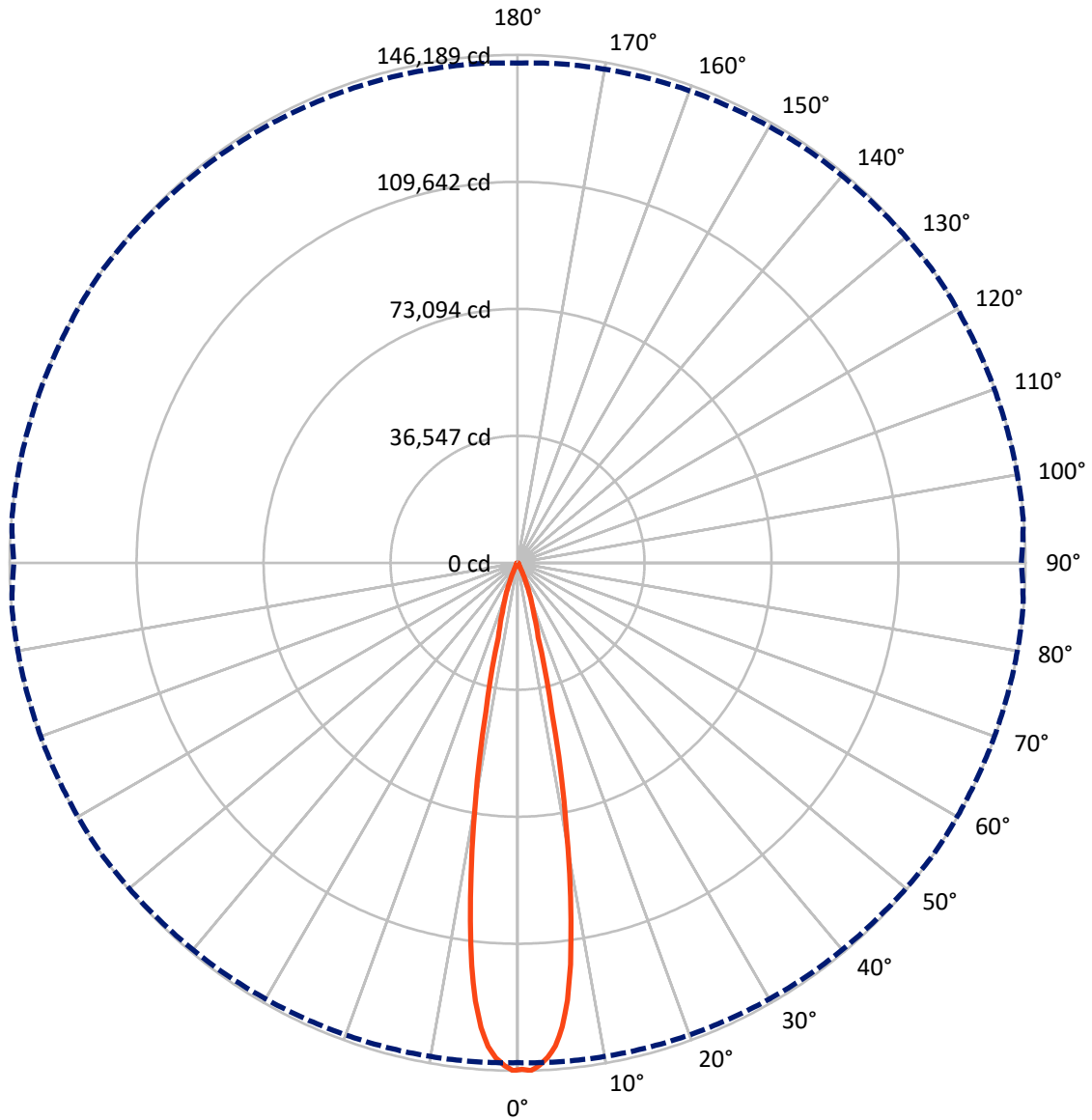
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 364.5 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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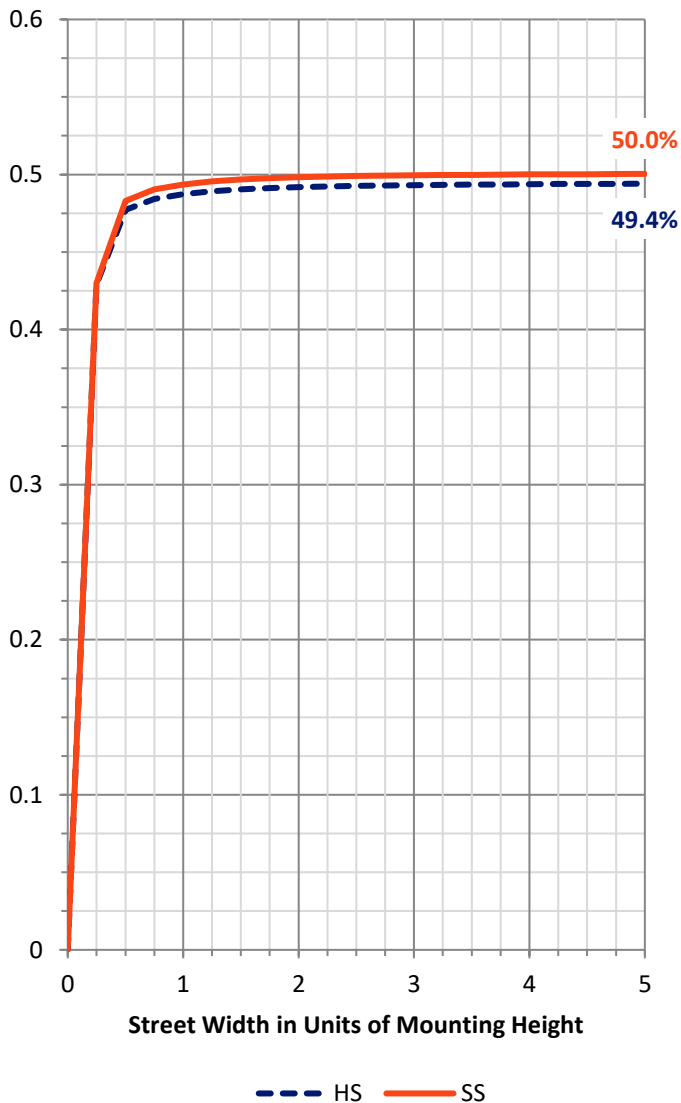
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10605.2	0.0	10605.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10605.2	0.0	10605.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21210.4	0.0	21210.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10776.5	50.8
10°-20°	7637.4	36.0
20°-30°	1789.6	8.4
30°-40°	374.0	1.8
40°-50°	241.3	1.1
50°-60°	178.7	0.8
60°-70°	121.5	0.6
70°-80°	64.9	0.3
80°-90°	26.6	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°	21210.4	100.0
0°-180°	21210.4	100.0

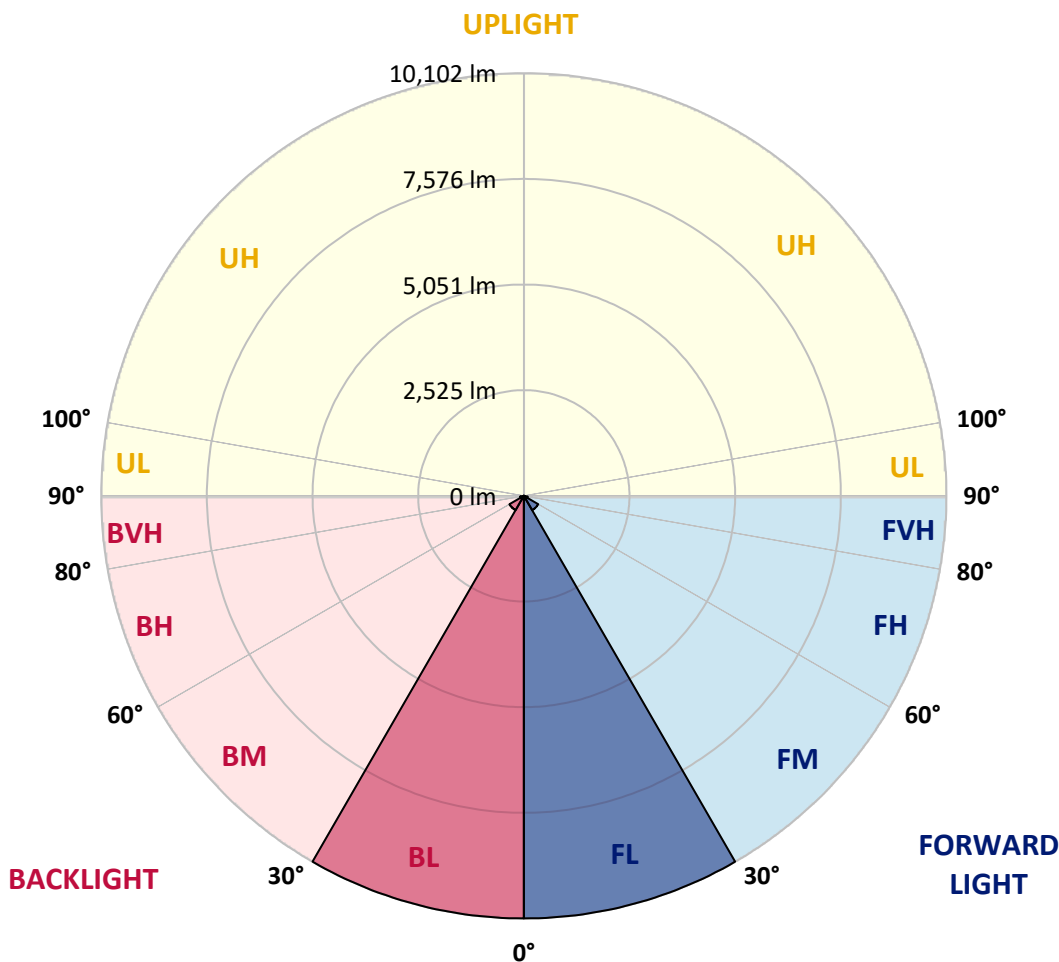


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10101.7	47.6			
FM (30°-60°)	397.0	1.9			
FH (60°-80°)	93.2	0.4			G0/660
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	10101.7	47.6	B5		
BM (30°-60°)	397.0	1.9	B1/1000		
BH (60°-80°)	93.2	0.4	B0/110		G0/660
BVH (80°-90°)	13.3	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°	145813.8	145813.8	145813.8	145813.8	145813.8	145813.8	145813.8	145813.8	145813.8	145813.8
1°	143852.0	144118.4	144444.7	144741.0	145187.4	145551.3	146188.9	146053.9	146035.1	146061.4
2°	141065.0	141398.9	141901.5	142197.8	143349.4	143822.0	144786.0	145071.1	144842.3	145101.1
3°	136890.1	137163.9	137951.7	138533.1	140026.0	141301.3	142591.7	143019.3	142753.0	142873.0
4°	131920.0	132201.3	133154.1	134339.4	136496.3	137910.4	139455.8	139838.4	138968.2	139028.2
5°	126004.6	126135.9	127302.5	128382.8	130963.5	132677.7	134144.4	134264.4	133469.2	133165.3
6°	119350.3	119114.0	120186.8	120644.4	123851.5	125599.5	126672.3	126533.5	125929.6	125670.8
7°	111443.1	111120.5	111987.0	111739.5	114579.0	115576.8	116608.3	116135.7	115655.5	116251.9
8°	102294.4	102114.3	101555.4	102568.2	103130.8	104023.6	104019.8	103746.0	103731.0	104725.0
9°	88993.2	90654.9	90163.5	91225.1	91082.5	91041.3	90767.4	90591.1	89840.9	90985.0
10°	74386.7	75474.5	76303.5	77886.4	77578.8	78013.9	76491.0	76749.8	76251.0	77196.2
12.5°	38504.3	39727.2	40443.6	41651.4	42979.3	44337.2	43898.3	43444.4	42765.5	43598.2
15°	18954.0	19437.8	19666.7	20893.2	21838.5	22179.8	22232.4	21831.0	21658.5	21838.5
17.5°	11631.9	11800.7	12464.7	13875.1	14692.8	14895.3	14764.1	14325.2	13833.8	13627.5
20°	8421.1	8469.8	8721.1	8995.0	10086.5	10656.7	10446.6	10015.3	9561.4	9347.6
22.5°	5499.0	5547.8	5630.3	5780.3	6072.9	6778.1	6549.3	6256.7	5949.1	5885.4
25°	3113.4	3113.4	3199.6	3353.4	3571.0	3623.5	3668.5	3357.2	3214.6	3150.9
27.5°	1736.7	1748.0	1766.7	1826.8	1935.5	1924.3	1875.5	1793.0	1695.5	1594.2
30°	960.3	971.5	982.8	997.8	1016.5	982.8	952.8	937.8	896.5	885.2
32.5°	720.2	720.2	727.7	723.9	705.2	663.9	645.2	667.7	663.9	645.2
35°	592.7	592.7	600.2	615.2	577.7	547.7	532.6	562.7	562.7	551.4
37.5°	483.9	487.6	491.4	510.1	498.9	465.1	461.4	468.9	472.6	468.9
40°	423.9	420.1	420.1	423.9	416.4	408.9	401.4	397.6	401.4	397.6
42.5°	367.6	363.8	371.4	363.8	348.8	352.6	352.6	341.3	345.1	337.6
45°	322.6	318.8	322.6	315.1	303.8	307.6	307.6	292.6	292.6	288.8
47.5°	285.1	285.1	285.1	288.8	270.1	266.3	270.1	266.3	255.1	251.3
50°	247.6	251.3	255.1	262.6	243.8	236.3	236.3	236.3	228.8	225.1
52.5°	228.8	232.6	232.6	232.6	221.3	213.8	213.8	210.1	206.3	202.6
55°	221.3	221.3	221.3	206.3	202.6	198.8	187.6	183.8	180.0	180.0
57.5°	210.1	210.1	206.3	195.1	183.8	183.8	168.8	165.0	161.3	161.3
60°	187.6	187.6	187.6	183.8	168.8	165.0	150.0	142.5	138.8	138.8
62.5°	172.5	172.5	172.5	157.5	153.8	142.5	131.3	120.0	116.3	108.8
65°	157.5	157.5	157.5	142.5	135.0	123.8	108.8	97.5	90.0	78.8
67.5°	146.3	146.3	142.5	131.3	120.0	105.0	90.0	78.8	63.8	56.3
70°	127.5	127.5	123.8	116.3	105.0	93.8	75.0	60.0	48.8	37.5
72.5°	108.8	108.8	105.0	97.5	90.0	78.8	63.8	52.5	33.8	26.3
75°	90.0	90.0	86.3	78.8	75.0	67.5	56.3	41.3	26.3	11.3
77.5°	75.0	75.0	71.3	67.5	63.8	56.3	48.8	33.8	18.8	7.5
80°	56.3	60.0	60.0	60.0	52.5	48.8	45.0	33.8	15.0	3.8
82.5°	41.3	45.0	45.0	45.0	41.3	37.5	41.3	30.0	15.0	3.8
85°	30.0	30.0	33.8	33.8	33.8	33.8	45.0	33.8	11.3	3.8
87.5°	15.0	15.0	15.0	15.0	15.0	18.8	22.5	18.8	7.5	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°
145813.8
145014.9
144118.4
141972.8
138135.5
132531.4
125089.4
116068.1
101968.0
88850.7
74773.0
41343.9
20998.3
13338.7
9182.5
5754.1
3098.4
1597.9
885.2
633.9
547.7
468.9
401.4
341.3
288.8
251.3
221.3
198.8
176.3
161.3
135.0
101.3
78.8
52.5
37.5
22.5
11.3
3.8
3.8
3.8
3.8
0.0
0.0

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