

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: P636053

Luminaire Tested: **IFLD-S-SA6C-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636053
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26216.9 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

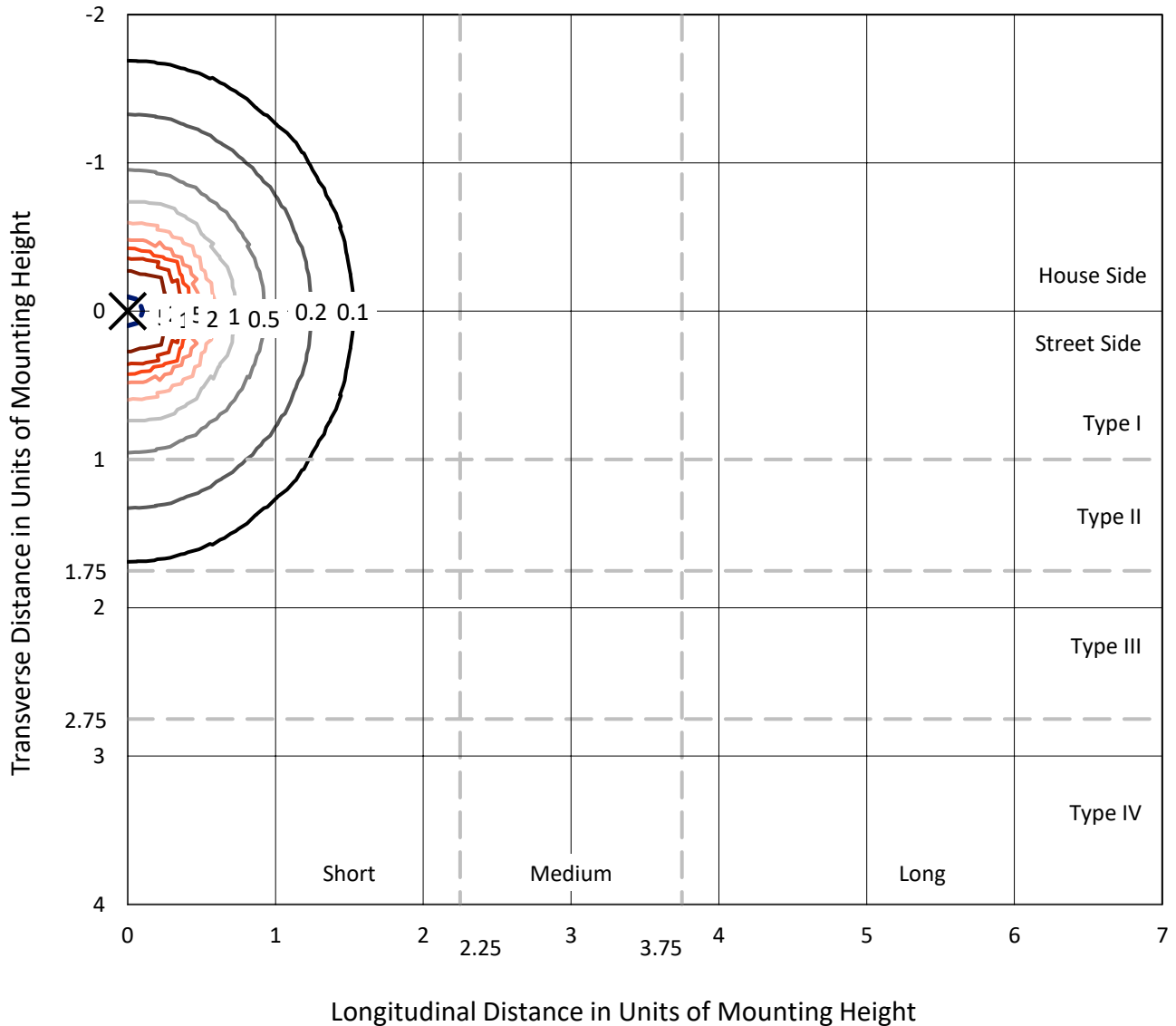
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

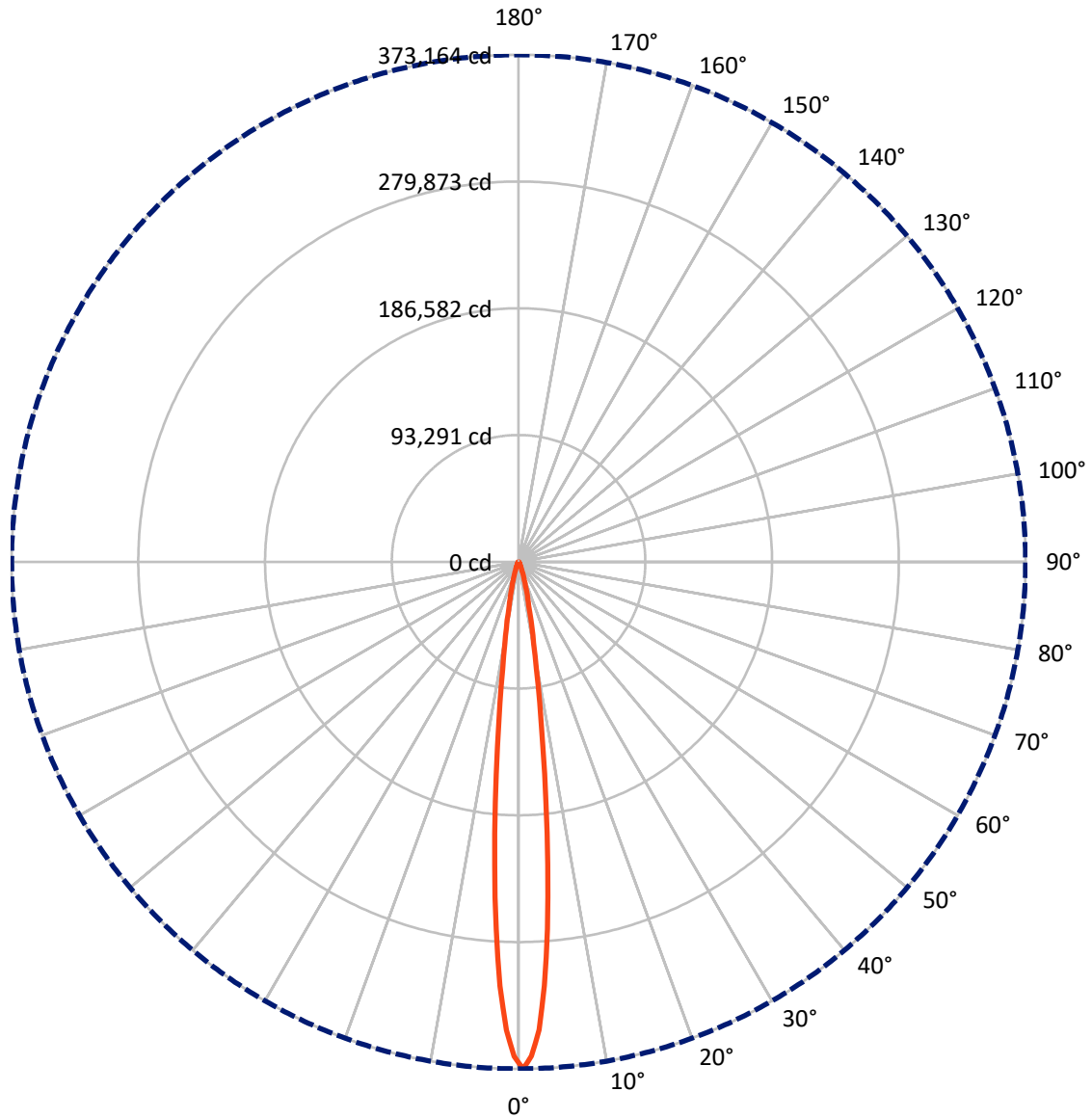
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 932.9 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	13108.5	0.0	13108.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13108.5	0.0	13108.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26216.9	0.0	26216.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15981.3	61.0
10°-20°	7159.7	27.3
20°-30°	1598.9	6.1
30°-40°	521.9	2.0
40°-50°	359.9	1.4
50°-60°	271.9	1.0
60°-70°	186.1	0.7
70°-80°	98.0	0.4
80°-90°	39.1	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°	26216.9	100.0
0°-180°	26216.9	100.0

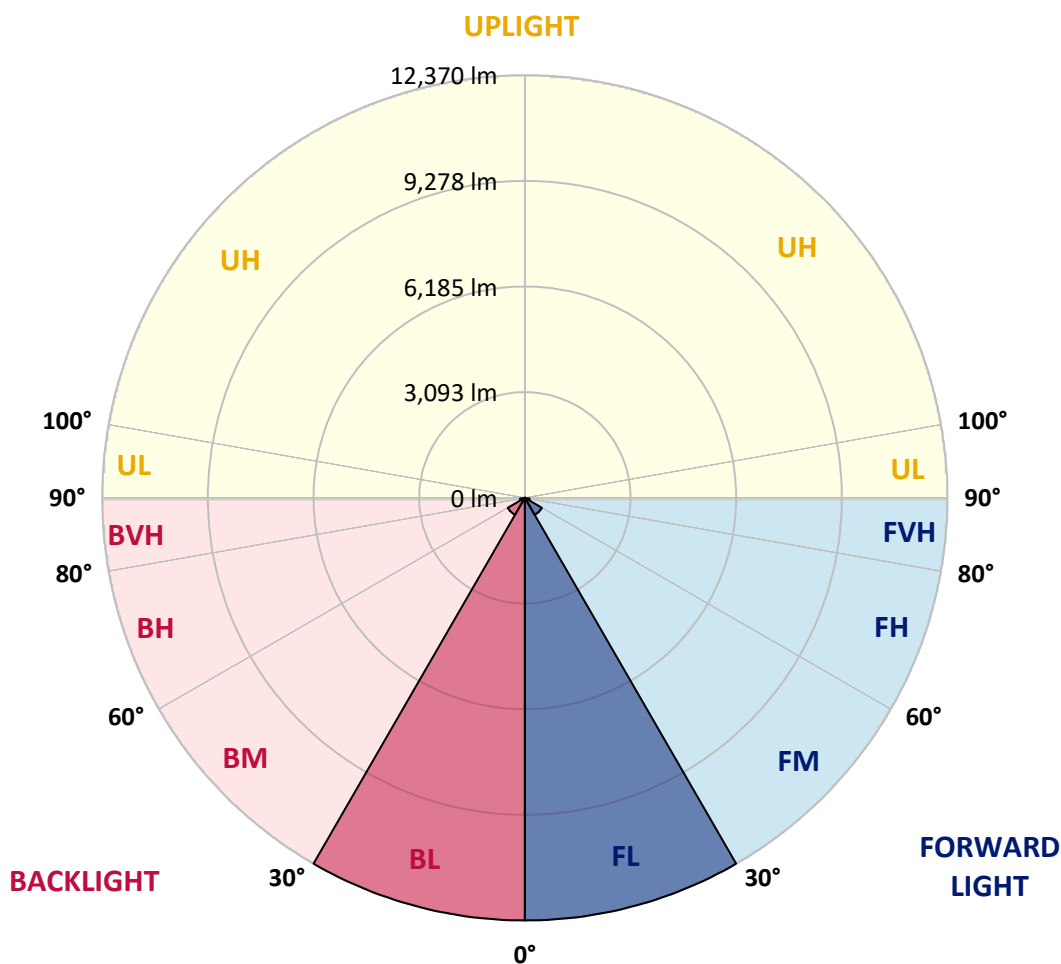


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12370.0	47.2			
FM (30°-60°)	576.9	2.2			
FH (60°-80°)	142.0	0.5			G0/660
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	12370.0	47.2	B5		
BM (30°-60°)	576.9	2.2	B1/1000		
BH (60°-80°)	142.0	0.5	B1/500		G0/660
BVH (80°-90°)	19.6	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°	373163.7	373163.7	373163.7	373163.7	373163.7	373163.7	373163.7	373163.7	373163.7	373163.7
1°	363898.9	364393.9	363842.9	366626.1	367774.8	368372.6	368442.6	370011.6	368802.2	369138.4
2°	344720.3	345822.4	343977.8	345761.7	349329.3	350678.9	348479.5	351197.2	350225.9	350791.0
3°	312494.4	313844.0	311294.3	313475.1	318065.4	319092.8	315487.7	319349.6	319251.5	320064.1
4°	270957.1	273147.2	269504.8	272087.2	274118.5	277695.5	274202.5	278596.8	278512.7	279923.0
5°	223806.7	226174.3	223008.2	225688.6	227612.5	228943.4	227663.9	232525.1	232833.3	234290.3
6°	177669.7	179878.4	176343.4	178902.5	181951.8	182498.2	182166.6	186350.7	187280.0	186145.2
7°	136734.7	137285.7	136730.0	139055.6	141502.5	141591.2	142020.8	145700.6	146517.8	146125.5
8°	104719.0	102197.3	104364.1	105596.9	106353.4	109827.6	110084.5	111938.4	113442.0	113549.4
9°	79712.5	77377.6	79885.3	80375.6	82112.7	85199.4	84811.8	86838.5	87781.8	87721.1
10°	60772.0	59585.9	60842.1	61383.8	62812.7	65427.7	65880.7	66810.0	67510.5	67968.1
12.5°	32977.7	33253.2	33981.7	34551.4	36475.4	37171.1	37451.3	37530.7	37526.0	37600.8
15°	20486.2	20710.3	21219.3	22251.3	23423.4	24287.3	24408.7	23960.4	23572.9	23512.1
17.5°	12776.4	12687.7	13883.1	15013.2	16423.5	16871.8	16404.8	15891.1	15363.4	15059.9
20°	7667.7	7728.4	8134.7	8639.0	9778.4	10553.6	10068.0	9545.0	8998.6	8639.0
22.5°	4356.9	4422.2	4599.7	4861.2	5295.5	6000.6	5692.4	5164.7	4777.1	4618.4
25°	2573.0	2573.0	2680.4	2797.2	2979.3	3142.7	3077.4	2797.2	2568.4	2503.0
27.5°	1667.1	1653.1	1690.4	1746.5	1830.5	1839.9	1765.2	1681.1	1564.4	1522.3
30°	1218.8	1223.5	1218.8	1242.2	1237.5	1204.8	1158.1	1162.8	1116.1	1111.4
32.5°	990.0	994.7	994.7	990.0	966.6	915.3	882.6	915.3	905.9	896.6
35°	821.9	826.5	873.2	868.6	831.2	775.2	751.8	789.2	817.2	775.2
37.5°	709.8	714.5	751.8	770.5	723.8	686.5	658.4	691.1	733.1	686.5
40°	625.7	630.4	639.8	644.4	621.1	602.4	588.4	597.7	616.4	593.1
42.5°	551.0	546.4	551.0	546.4	518.3	527.7	518.3	504.3	518.3	499.7
45°	481.0	481.0	481.0	467.0	439.0	457.6	448.3	434.3	439.0	424.9
47.5°	439.0	439.0	439.0	420.3	396.9	396.9	401.6	378.2	382.9	378.2
50°	396.9	396.9	406.3	387.6	368.9	354.9	359.6	340.9	345.6	340.9
52.5°	364.2	364.2	364.2	354.9	340.9	331.6	322.2	312.9	308.2	303.5
55°	350.2	350.2	345.6	317.5	312.9	303.5	284.9	280.2	270.8	266.2
57.5°	326.9	326.9	322.2	298.9	280.2	280.2	252.2	247.5	233.5	233.5
60°	289.5	289.5	284.9	280.2	256.8	242.8	224.1	214.8	200.8	196.1
62.5°	275.5	275.5	266.2	242.8	238.2	214.8	196.1	177.5	168.1	158.8
65°	256.8	252.2	247.5	224.1	205.5	191.5	168.1	144.8	135.4	116.7
67.5°	228.8	228.8	224.1	205.5	186.8	163.4	140.1	121.4	98.1	84.1
70°	200.8	196.1	196.1	177.5	163.4	144.8	112.1	93.4	70.0	56.0
72.5°	168.1	168.1	163.4	149.4	140.1	126.1	98.1	74.7	46.7	37.4
75°	135.4	135.4	130.8	121.4	116.7	102.7	84.1	65.4	37.4	18.7
77.5°	112.1	107.4	107.4	98.1	93.4	84.1	70.0	51.4	28.0	14.0
80°	84.1	84.1	88.7	84.1	74.7	70.0	60.7	46.7	23.3	9.3
82.5°	60.7	60.7	65.4	65.4	65.4	60.7	60.7	46.7	23.3	4.7
85°	42.0	42.0	51.4	46.7	46.7	51.4	74.7	60.7	18.7	4.7
87.5°	23.3	23.3	23.3	18.7	18.7	23.3	28.0	23.3	9.3	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
373163.7
366668.1
348773.6
317883.3
277448.0
231507.1
186262.0
145588.5
112195.2
89150.0
68238.9
37661.5
23325.4
15013.2
8718.4
4637.1
2493.6
1522.3
1106.7
877.9
765.8
681.8
583.7
499.7
424.9
378.2
340.9
303.5
261.5
233.5
186.8
154.1
112.1
84.1
56.0
32.7
18.7
9.3
4.7
4.7
4.7
4.7
0.0

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