

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: P636285

Luminaire Tested: **IFLD-S-SA6C-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636285
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24593.9 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

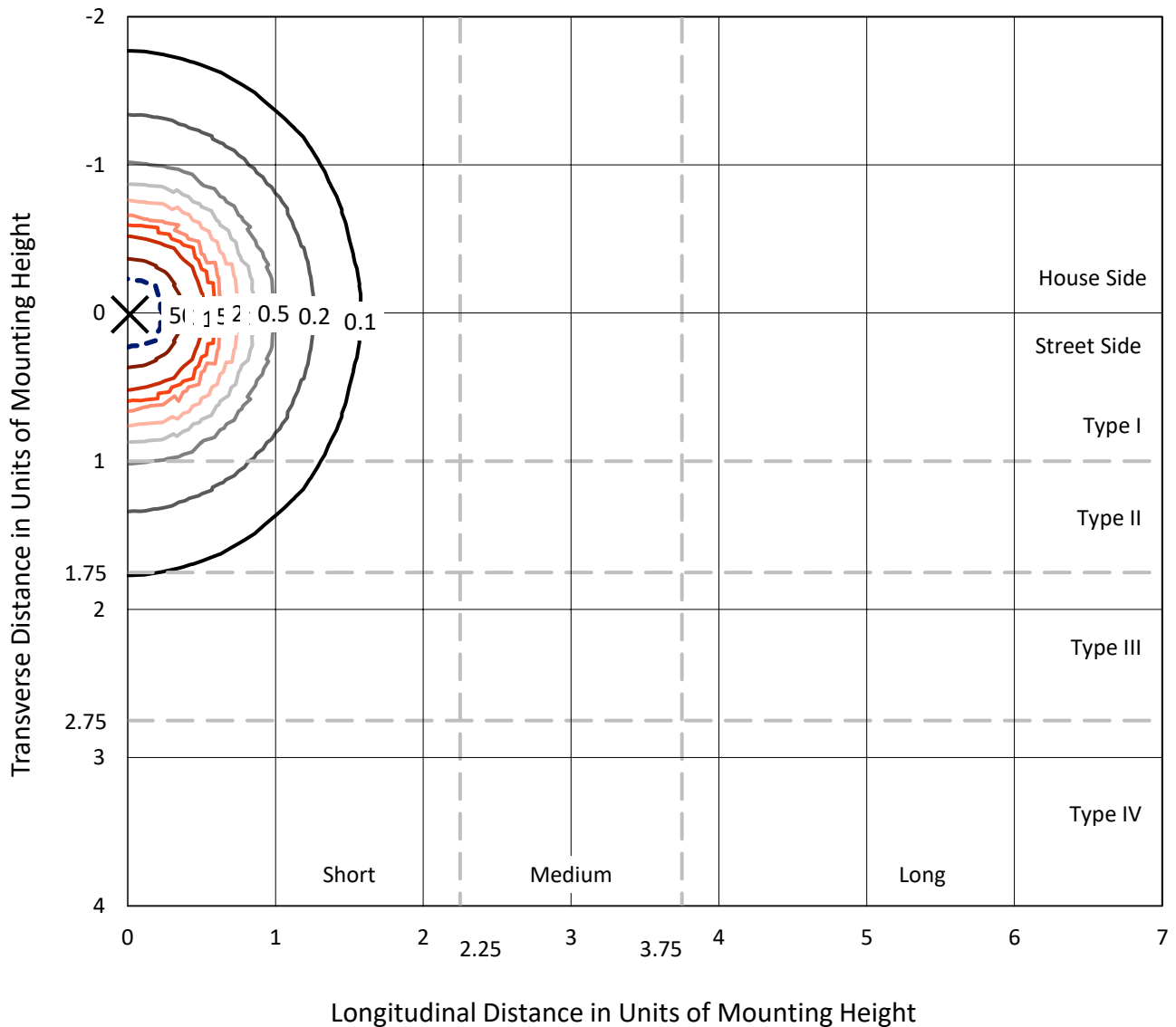
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

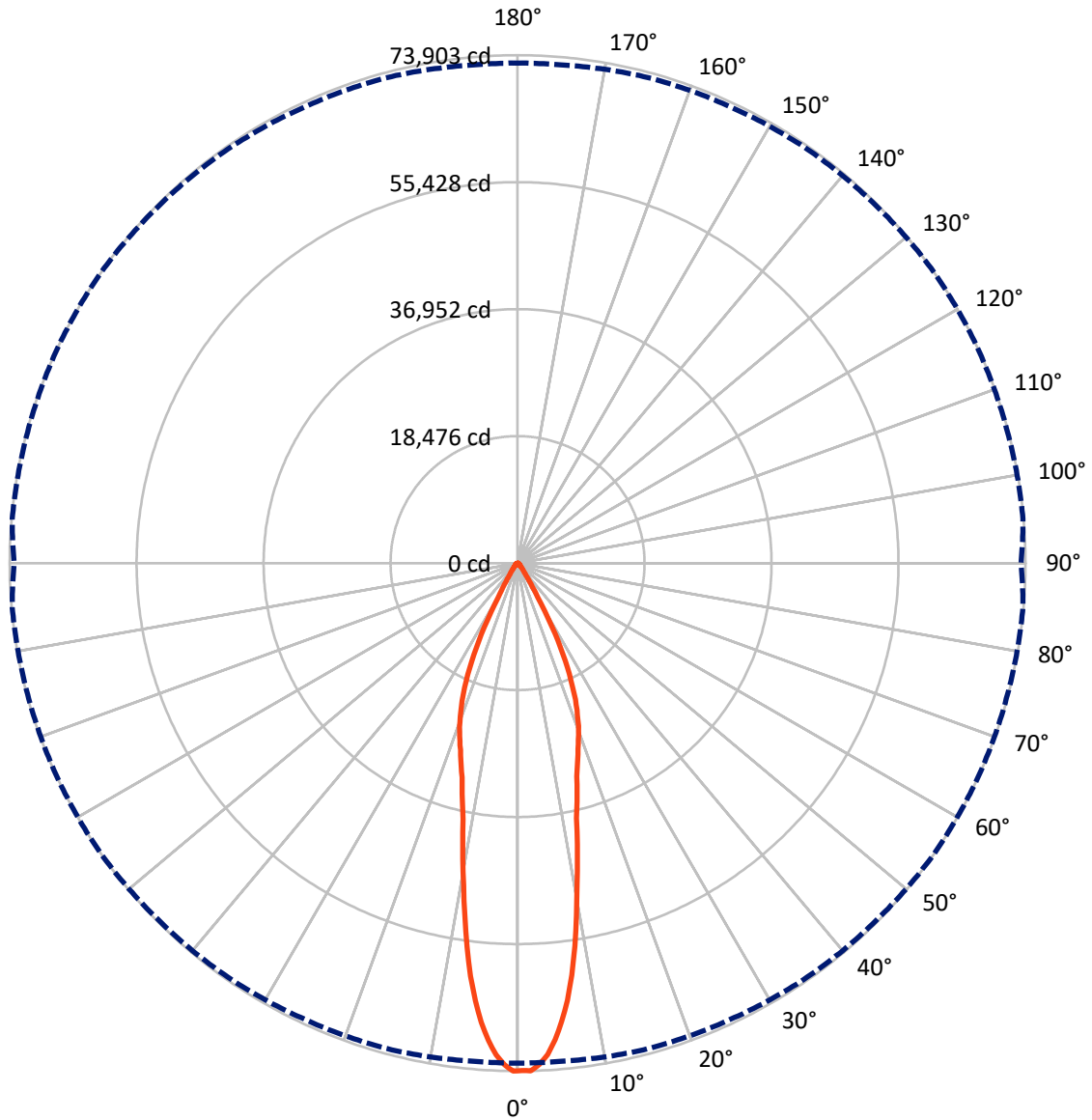
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 184.5 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	12296.9	0.0	12296.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12296.9	0.0	12296.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	24593.9	0.0	24593.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5616.5	22.8
10°-20°	9173.3	37.3
20°-30°	7168.3	29.1
30°-40°	1562.5	6.4
40°-50°	462.6	1.9
50°-60°	289.3	1.2
60°-70°	202.4	0.8
70°-80°	86.8	0.4
80°-90°	32.1	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°	24593.9	100.0
0°-180°	24593.9	100.0

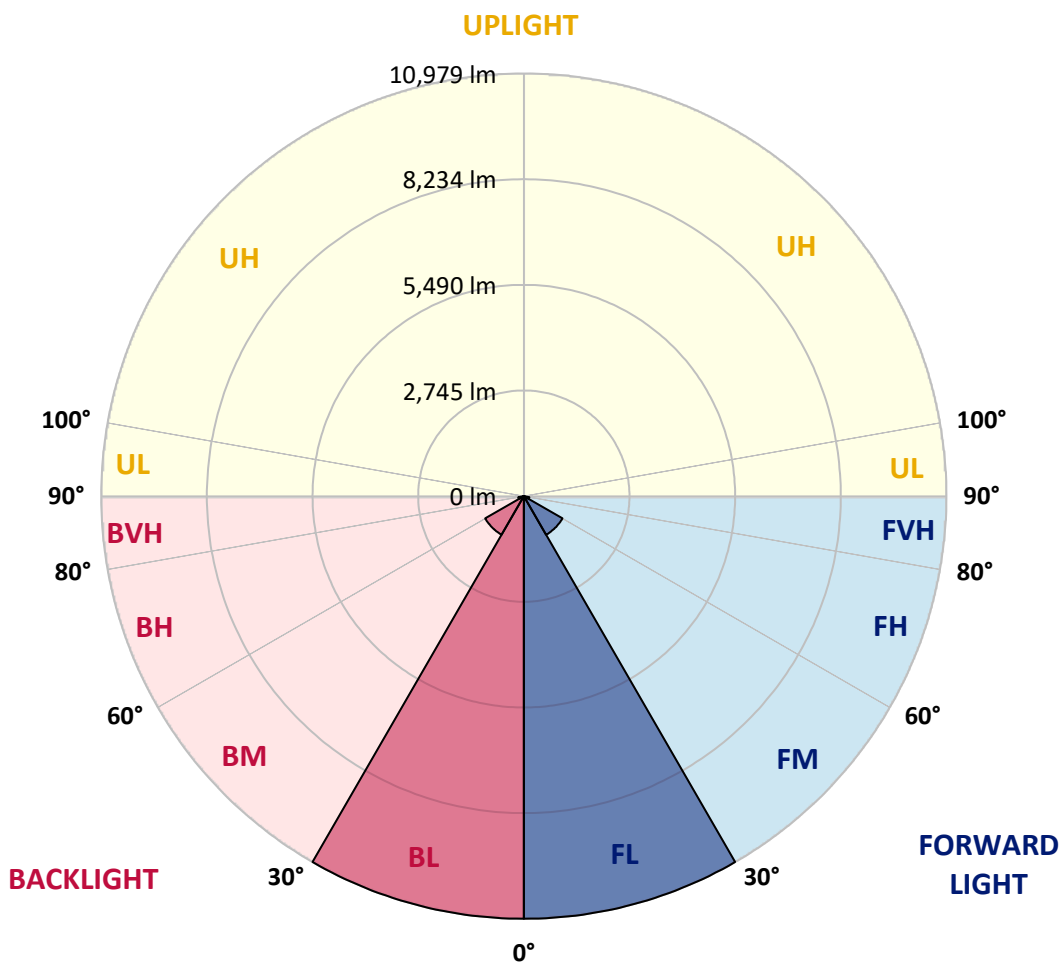


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10979.1	44.6			
FM (30°-60°)	1157.2	4.7			
FH (60°-80°)	144.6	0.6			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	10979.1	44.6	B5		
BM (30°-60°)	1157.2	4.7	B2/2500		
BH (60°-80°)	144.6	0.6	B1/500		G0/660
BVH (80°-90°)	16.0	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°	73818.8	73818.8	73818.8	73818.8	73818.8	73818.8	73818.8	73818.8	73818.8	73818.8
1°	72750.2	72759.1	73155.4	73244.4	73516.0	73654.0	73903.4	73876.7	73801.0	73809.9
2°	71410.1	71352.2	71721.8	72131.4	72456.4	72723.5	73021.8	73084.2	73012.9	73079.7
3°	69206.2	69121.6	69638.1	70150.1	70715.5	71174.1	71623.8	71641.6	71557.0	71552.6
4°	66307.8	66152.0	66766.4	67679.1	68391.5	69001.4	69562.4	69553.5	69437.7	69531.2
5°	62803.8	62607.9	63404.9	64607.0	65662.2	66396.8	67015.7	66868.8	66601.6	66615.0
6°	58502.9	58694.4	59669.4	61356.9	62603.5	63213.5	63974.8	63698.8	63235.7	63186.7
7°	54460.3	54892.1	55671.3	57706.0	59188.6	59829.7	60475.3	59918.8	59291.0	59188.6
8°	50203.9	50925.2	52002.6	53877.0	55457.6	56103.2	56348.0	55751.4	55079.1	55052.4
9°	46753.4	47247.6	48173.7	49825.5	51432.7	51864.6	51918.0	51397.1	50724.8	50769.3
10°	43614.5	43708.0	44509.4	45929.7	47216.4	47523.6	47510.3	47131.8	46579.7	46726.7
12.5°	36588.8	36842.6	37074.1	37528.3	37960.1	38160.5	38084.8	37929.0	37626.2	37639.6
15°	31820.4	31816.0	31842.7	32052.0	32181.1	32203.3	32203.3	32007.4	31878.3	32069.8
17.5°	27613.0	27844.6	28258.6	28427.8	28597.0	28534.7	28418.9	28329.9	28245.3	28410.0
20°	24340.6	24443.0	24447.5	24558.8	25413.6	25458.1	25311.2	25057.4	24843.7	24803.6
22.5°	20658.6	20814.4	20881.2	20979.1	21068.2	21718.2	21544.6	21135.0	20881.2	20805.5
25°	15507.3	15453.9	15890.2	16691.6	16820.7	16900.9	16856.3	16642.6	16477.9	16509.0
27.5°	10716.6	10810.1	10792.3	10801.2	11651.6	11647.2	11633.8	11446.8	11397.8	11326.6
30°	5992.8	5948.2	5970.5	5912.6	5792.4	5939.3	5703.4	5903.7	5707.8	5770.2
32.5°	3544.0	3512.8	3481.7	3495.0	3406.0	3187.8	3094.3	3232.4	3187.8	3170.0
35°	2261.8	2275.1	2315.2	2310.7	2230.6	2105.9	1972.4	2097.0	2079.2	2025.8
37.5°	1442.5	1442.5	1455.9	1571.7	1504.9	1398.0	1304.5	1357.9	1353.5	1344.6
40°	1024.0	1024.0	1041.8	1073.0	1037.4	984.0	930.5	930.5	939.4	912.7
42.5°	761.3	761.3	779.1	797.0	752.4	734.6	707.9	690.1	712.4	690.1
45°	596.6	592.2	596.6	587.7	561.0	561.0	538.7	512.0	538.7	525.4
47.5°	489.8	485.3	480.8	463.0	436.3	440.8	431.9	409.6	423.0	418.5
50°	427.4	418.5	423.0	405.2	382.9	378.4	378.4	356.2	360.6	360.6
52.5°	374.0	374.0	369.5	360.6	351.7	333.9	338.4	316.1	316.1	316.1
55°	351.7	351.7	342.8	325.0	329.5	316.1	302.8	289.4	284.9	284.9
57.5°	347.3	347.3	342.8	325.0	311.7	307.2	289.4	271.6	258.2	262.7
60°	338.4	338.4	329.5	325.0	302.8	293.9	267.1	253.8	236.0	236.0
62.5°	325.0	320.6	302.8	276.0	276.0	253.8	236.0	209.3	195.9	191.4
65°	276.0	271.6	258.2	236.0	222.6	209.3	182.5	155.8	146.9	133.6
67.5°	227.1	227.1	218.2	195.9	187.0	169.2	138.0	120.2	98.0	89.0
70°	187.0	187.0	178.1	164.7	155.8	133.6	106.9	89.0	66.8	57.9
72.5°	151.4	151.4	142.5	133.6	124.7	111.3	89.0	66.8	44.5	35.6
75°	120.2	120.2	115.8	106.9	98.0	89.0	71.2	53.4	31.2	17.8
77.5°	98.0	98.0	93.5	89.0	80.1	71.2	57.9	44.5	22.3	8.9
80°	75.7	75.7	75.7	75.7	66.8	57.9	49.0	35.6	17.8	4.5
82.5°	53.4	53.4	57.9	66.8	53.4	44.5	44.5	35.6	13.4	4.5
85°	35.6	40.1	44.5	40.1	35.6	35.6	62.3	57.9	13.4	4.5
87.5°	17.8	17.8	17.8	17.8	17.8	13.4	17.8	13.4	8.9	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°
73818.8
73262.2
72554.3
71165.2
69090.5
65965.0
62536.7
58703.3
54077.4
50105.9
46210.2
37198.8
31624.5
28031.5
24545.4
20533.9
16402.2
11068.4
5845.8
3125.5
1967.9
1326.8
903.8
685.7
525.4
418.5
365.1
316.1
280.5
262.7
222.6
182.5
129.1
84.6
53.4
31.2
13.4
8.9
4.5
4.5
4.5
0.0
0.0

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