

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: P636351

Luminaire Tested: **IFLD-L-SA7A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636351
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19430.5 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

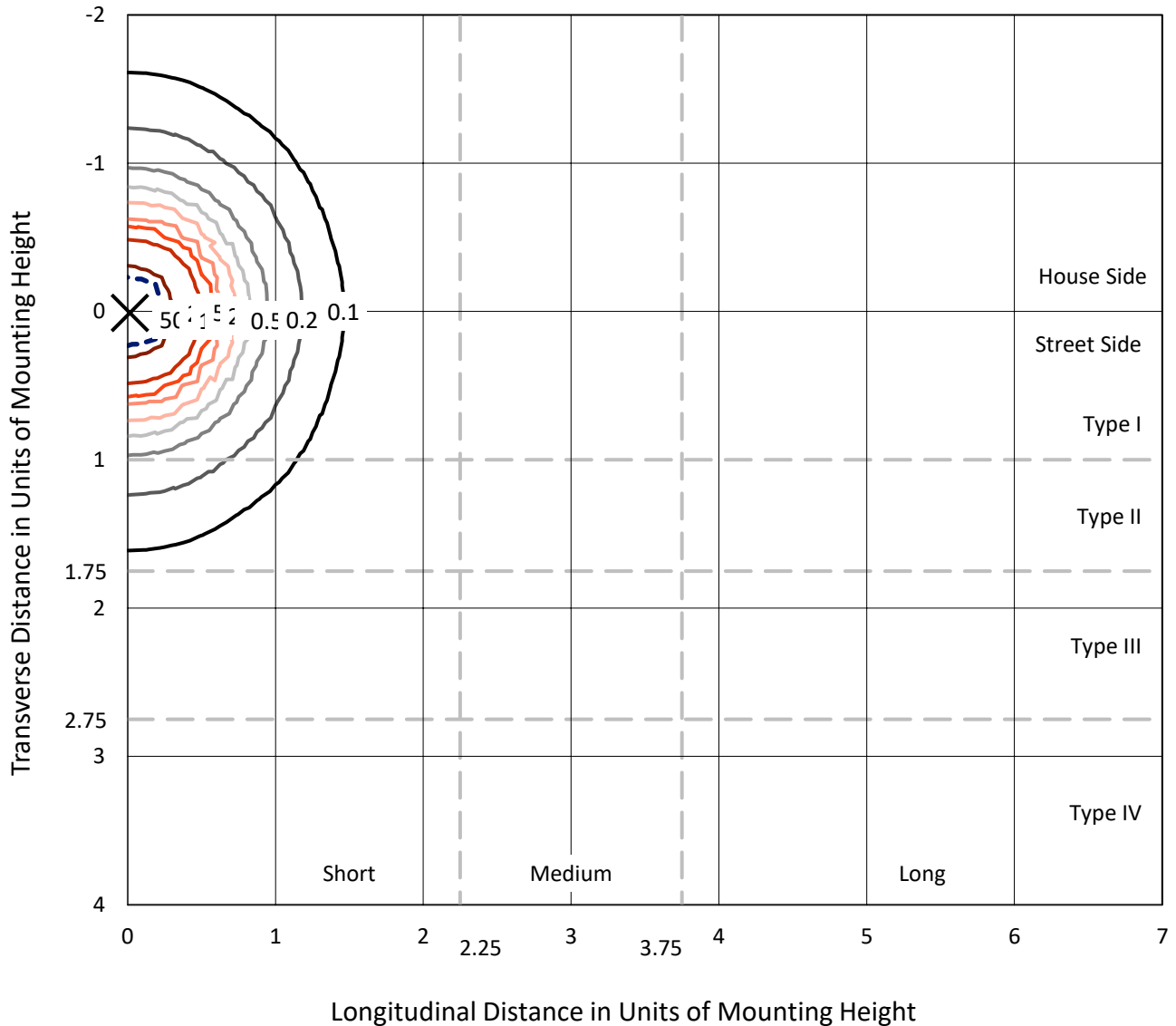
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

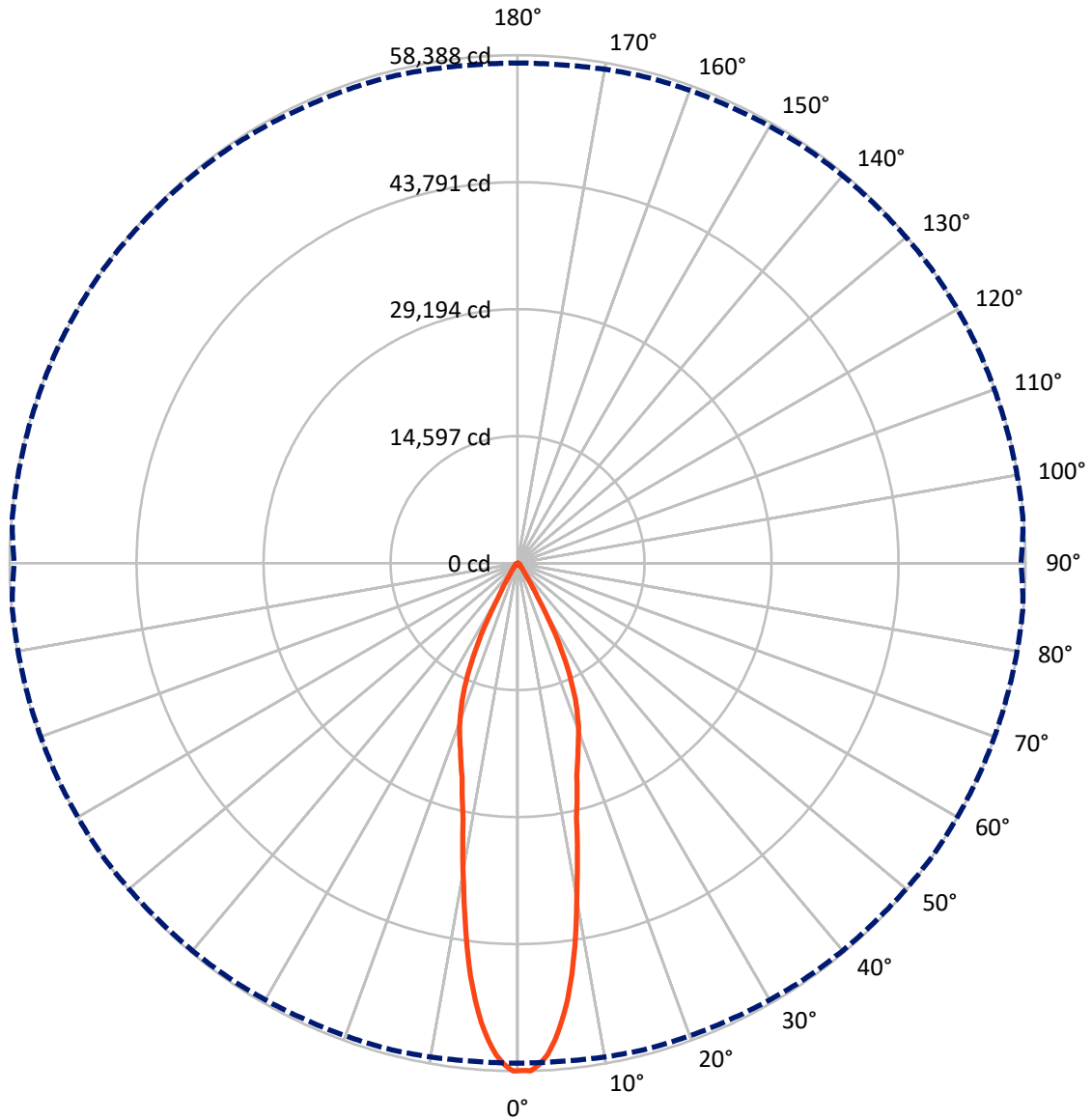
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 145.8 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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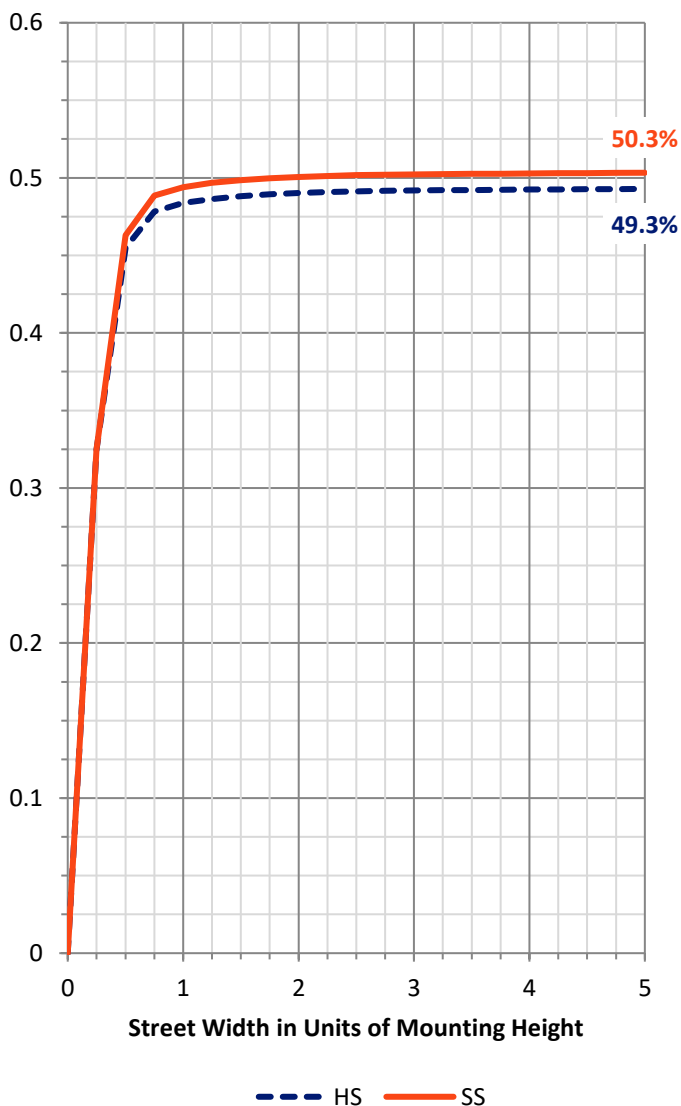
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9715.3	0.0	9715.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9715.3	0.0	9715.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19430.5	0.0	19430.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4437.4	22.8
10°-20°	7247.4	37.3
20°-30°	5663.4	29.1
30°-40°	1234.5	6.4
40°-50°	365.5	1.9
50°-60°	228.6	1.2
60°-70°	159.9	0.8
70°-80°	68.6	0.4
80°-90°	25.4	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°	19430.5	100.0
0°-180°	19430.5	100.0



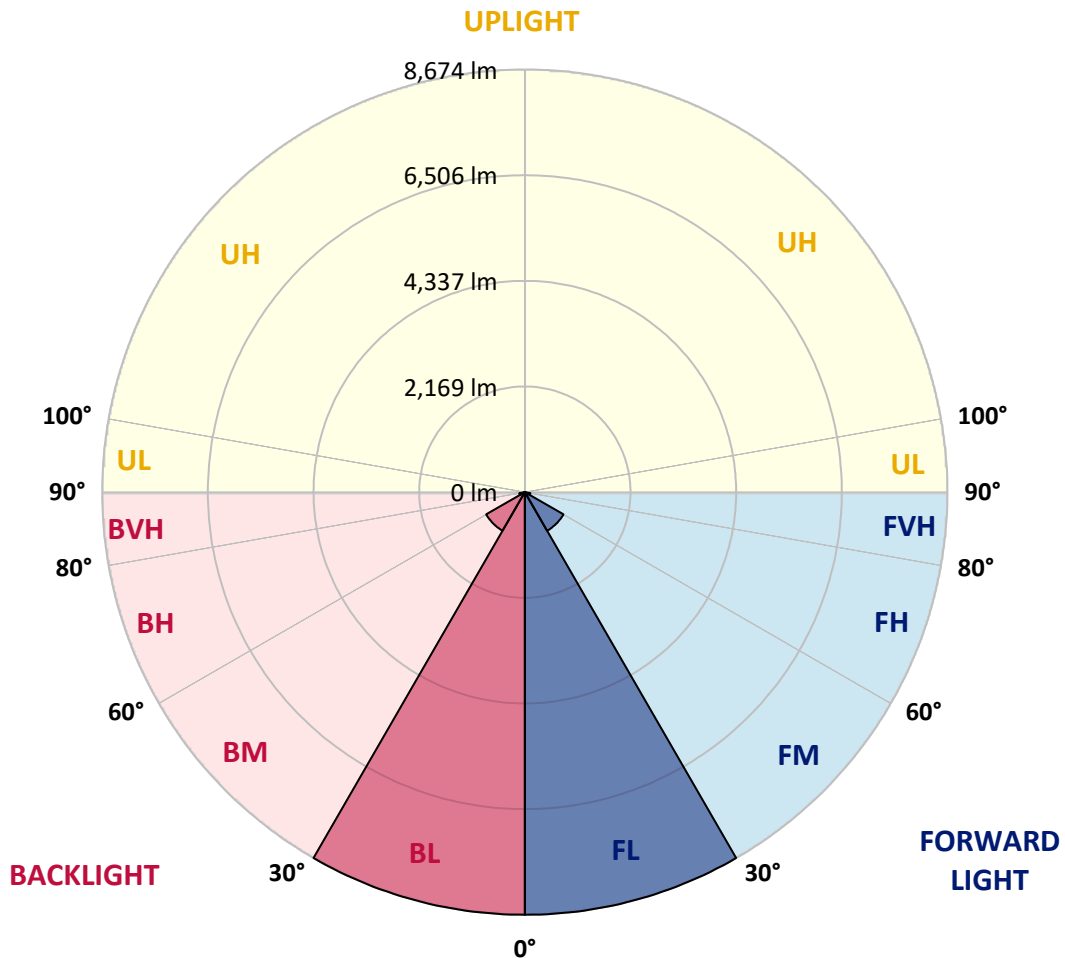
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8674.1	44.6			
FM (30°-60°)	914.3	4.7			
FH (60°-80°)	114.2	0.6			G0/660
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	8674.1	44.6	B5		
BM (30°-60°)	914.3	4.7	B1/1000		
BH (60°-80°)	114.2	0.6	B1/500		G0/660
BVH (80°-90°)	12.7	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°	58320.9	58320.9	58320.9	58320.9	58320.9	58320.9	58320.9	58320.9	58320.9	58320.9
1°	57476.7	57483.7	57796.8	57867.1	58081.7	58190.7	58387.7	58366.6	58306.8	58313.9
2°	56417.9	56372.2	56664.1	56987.7	57244.5	57455.6	57691.3	57740.5	57684.2	57737.0
3°	54676.7	54609.9	55017.9	55422.4	55869.2	56231.5	56586.7	56600.8	56534.0	56530.5
4°	52386.8	52263.7	52749.1	53470.2	54033.0	54514.9	54958.1	54951.1	54859.6	54933.5
5°	49618.5	49463.7	50093.4	51043.1	51876.8	52457.1	52946.1	52830.0	52619.0	52629.5
6°	46220.5	46371.8	47142.1	48475.3	49460.2	49942.1	50543.6	50325.5	49959.7	49921.0
7°	43026.6	43367.8	43983.4	45590.9	46762.2	47268.8	47778.8	47339.1	46843.1	46762.2
8°	39663.8	40233.7	41084.9	42565.8	43814.5	44324.6	44518.0	44046.7	43515.5	43494.4
9°	36937.7	37328.2	38059.8	39364.8	40634.7	40975.9	41018.1	40606.5	40075.4	40110.6
10°	34457.9	34531.7	35164.9	36287.0	37303.6	37546.3	37535.7	37236.7	36800.6	36916.6
12.5°	28907.2	29107.7	29290.6	29649.4	29990.6	30148.9	30089.1	29966.0	29726.8	29737.3
15°	25139.9	25136.4	25157.5	25322.8	25424.8	25442.4	25442.4	25287.6	25185.6	25336.9
17.5°	21815.8	21998.7	22325.9	22459.5	22593.2	22543.9	22452.5	22382.1	22315.3	22445.5
20°	19230.4	19311.3	19314.8	19402.8	20078.1	20113.3	19997.2	19796.7	19627.9	19596.2
22.5°	16321.4	16444.5	16497.3	16574.7	16645.0	17158.6	17021.4	16697.8	16497.3	16437.5
25°	12251.6	12209.4	12554.1	13187.3	13289.3	13352.6	13317.4	13148.6	13018.4	13043.1
27.5°	8466.7	8540.6	8526.5	8533.6	9205.4	9201.9	9191.3	9043.6	9004.9	8948.6
30°	4734.6	4699.4	4717.0	4671.3	4576.3	4692.4	4506.0	4664.3	4509.5	4558.7
32.5°	2800.0	2775.3	2750.7	2761.3	2690.9	2518.6	2444.7	2553.7	2518.6	2504.5
35°	1786.9	1797.5	1829.1	1825.6	1762.3	1663.8	1558.3	1656.8	1642.7	1600.5
37.5°	1139.7	1139.7	1150.2	1241.7	1188.9	1104.5	1030.6	1072.9	1069.3	1062.3
40°	809.0	809.0	823.1	847.7	819.6	777.4	735.2	735.2	742.2	721.1
42.5°	601.5	601.5	615.6	629.6	594.5	580.4	559.3	545.2	562.8	545.2
45°	471.4	467.8	471.4	464.3	443.2	443.2	425.6	404.5	425.6	415.1
47.5°	386.9	383.4	379.9	365.8	344.7	348.2	341.2	323.6	334.2	330.6
50°	337.7	330.6	334.2	320.1	302.5	299.0	299.0	281.4	284.9	284.9
52.5°	295.5	295.5	292.0	284.9	277.9	263.8	267.3	249.7	249.7	249.7
55°	277.9	277.9	270.9	256.8	260.3	249.7	239.2	228.6	225.1	225.1
57.5°	274.4	274.4	270.9	256.8	246.2	242.7	228.6	214.6	204.0	207.5
60°	267.3	267.3	260.3	256.8	239.2	232.2	211.1	200.5	186.4	186.4
62.5°	256.8	253.3	239.2	218.1	218.1	200.5	186.4	165.3	154.8	151.3
65°	218.1	214.6	204.0	186.4	175.9	165.3	144.2	123.1	116.1	105.5
67.5°	179.4	179.4	172.4	154.8	147.7	133.7	109.0	95.0	77.4	70.4
70°	147.7	147.7	140.7	130.1	123.1	105.5	84.4	70.4	52.8	45.7
72.5°	119.6	119.6	112.6	105.5	98.5	87.9	70.4	52.8	35.2	28.1
75°	95.0	95.0	91.5	84.4	77.4	70.4	56.3	42.2	24.6	14.1
77.5°	77.4	77.4	73.9	70.4	63.3	56.3	45.7	35.2	17.6	7.0
80°	59.8	59.8	59.8	59.8	52.8	45.7	38.7	28.1	14.1	3.5
82.5°	42.2	42.2	45.7	52.8	42.2	35.2	35.2	28.1	10.6	3.5
85°	28.1	31.7	35.2	31.7	28.1	28.1	49.2	45.7	10.6	3.5
87.5°	14.1	14.1	14.1	14.1	14.1	10.6	14.1	10.6	7.0	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°
58320.9
57881.2
57321.9
56224.4
54585.3
52115.9
49407.4
46378.8
42724.1
39586.5
36508.6
29389.1
24985.1
22146.5
19392.2
16222.9
12958.6
8744.6
4618.5
2469.3
1554.8
1048.2
714.1
541.7
415.1
330.6
288.4
249.7
221.6
207.5
175.9
144.2
102.0
66.8
42.2
24.6
10.6
7.0
3.5
3.5
3.5
0.0
0.0

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