

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: P636341

Luminaire Tested: **IFLD-S-SA6A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636341
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16754.6 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

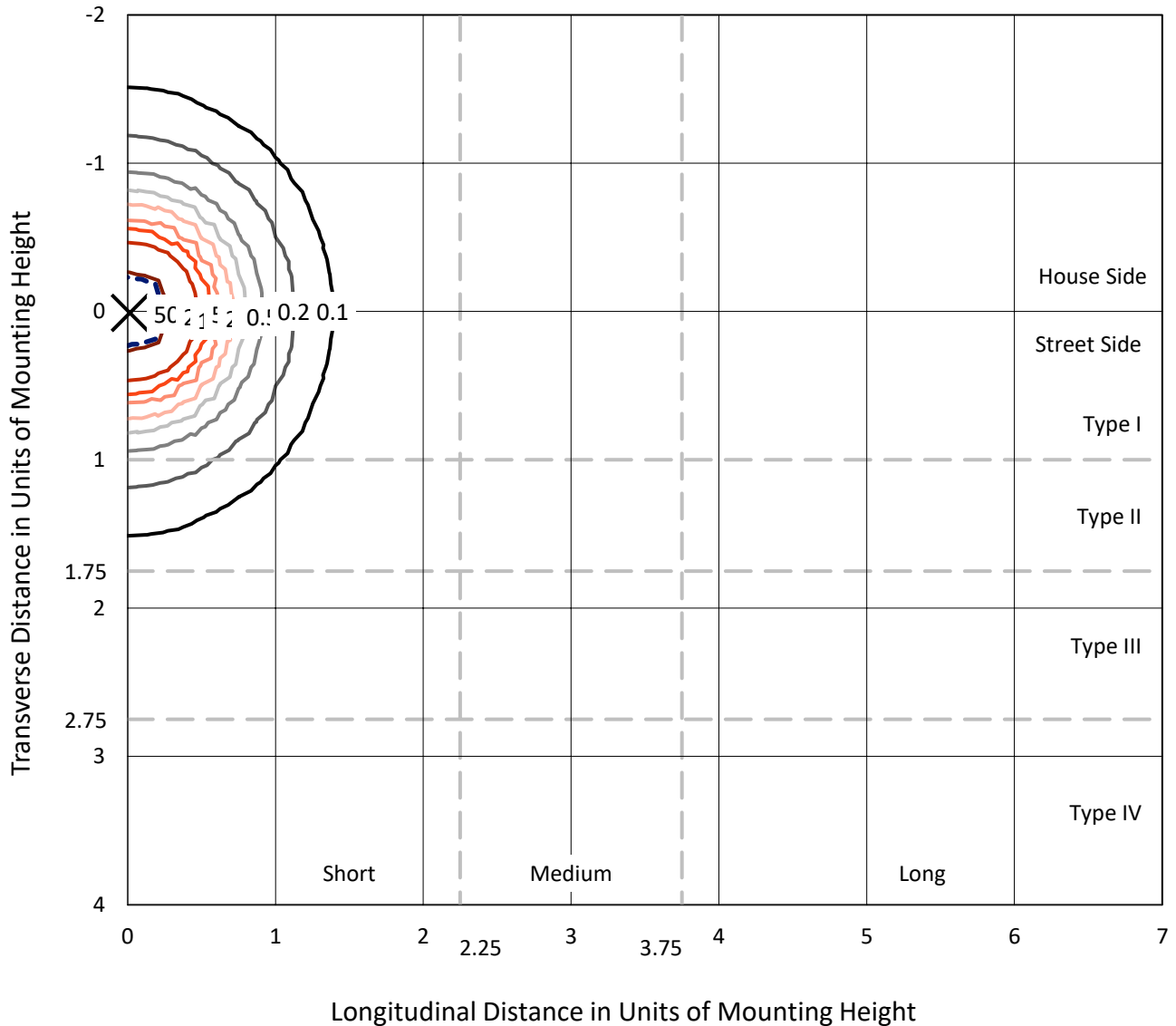
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

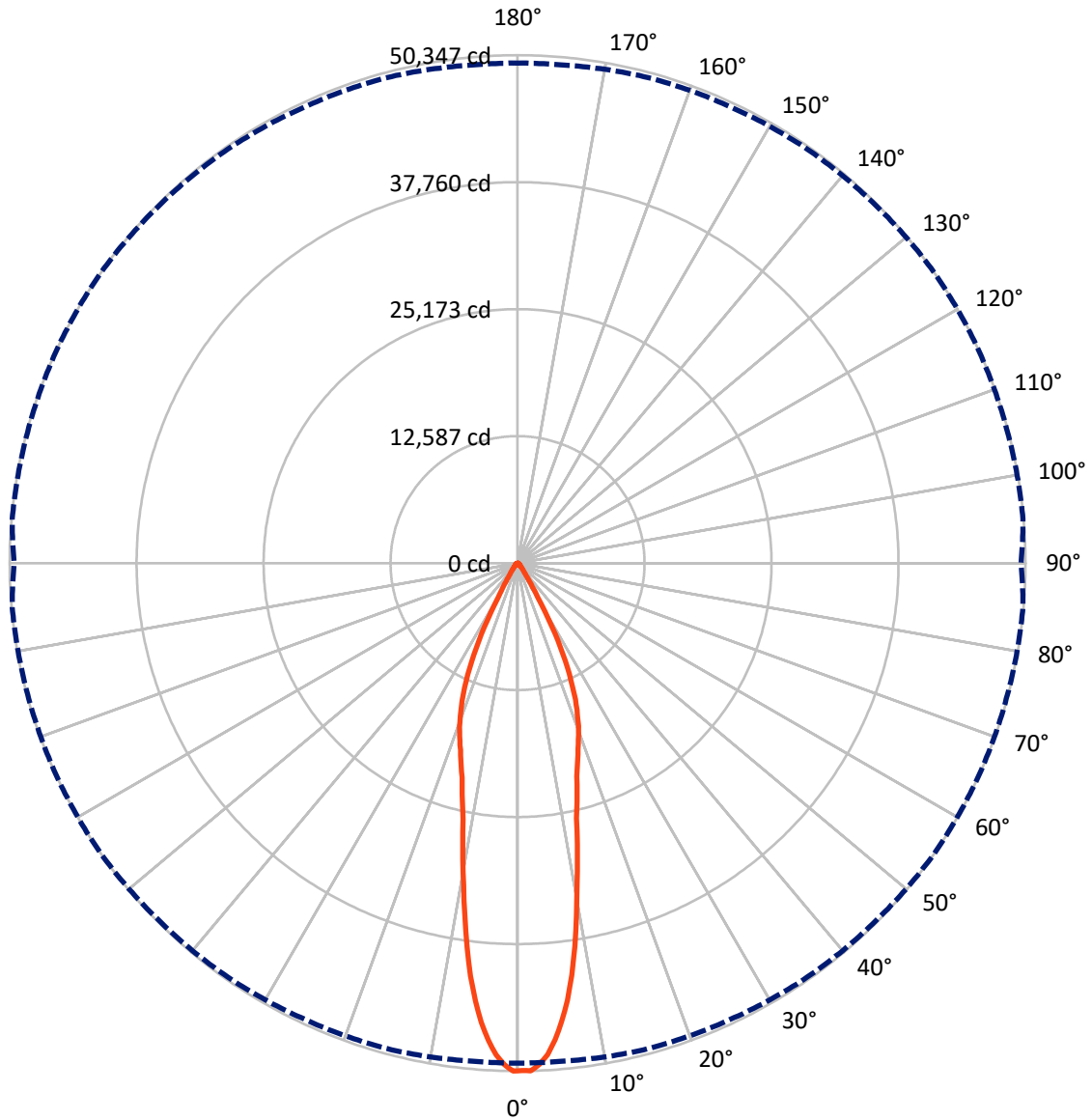
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 125.7 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	8377.3	0.0	8377.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8377.3	0.0	8377.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16754.6	0.0	16754.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3826.3	22.8
10°-20°	6249.3	37.3
20°-30°	4883.4	29.1
30°-40°	1064.4	6.4
40°-50°	315.2	1.9
50°-60°	197.1	1.2
60°-70°	137.9	0.8
70°-80°	59.2	0.4
80°-90°	21.9	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°	16754.6	100.0
0°-180°	16754.6	100.0



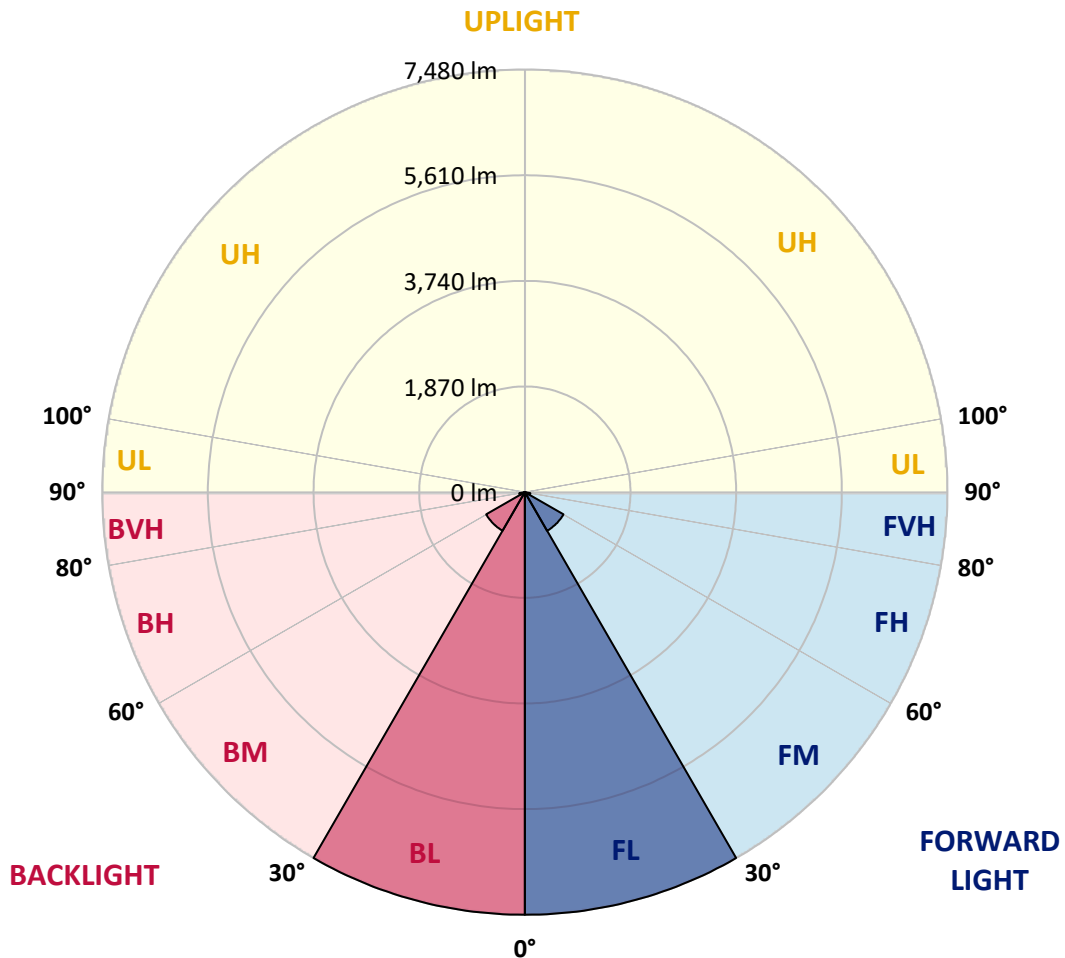
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7479.5	44.6			
FM (30°-60°)	788.4	4.7			
FH (60°-80°)	98.5	0.6			G0/660
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	7479.5	44.6	B5		
BM (30°-60°)	788.4	4.7	B1/1000		
BH (60°-80°)	98.5	0.6	B0/110		G0/660
BVH (80°-90°)	10.9	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°	50289.2	50289.2	50289.2	50289.2	50289.2	50289.2	50289.2	50289.2	50289.2	50289.2
1°	49561.2	49567.3	49837.2	49897.9	50082.9	50177.0	50346.8	50328.6	50277.0	50283.1
2°	48648.3	48608.8	48860.6	49139.6	49361.0	49543.0	49746.2	49788.7	49740.2	49785.7
3°	47146.9	47089.2	47441.1	47789.9	48175.1	48487.5	48793.8	48806.0	48748.4	48745.3
4°	45172.3	45066.1	45484.7	46106.5	46591.8	47007.3	47389.5	47383.4	47304.6	47368.3
5°	42785.2	42651.8	43194.7	44013.6	44732.5	45233.0	45654.6	45554.5	45372.5	45381.6
6°	39855.2	39985.7	40649.9	41799.5	42648.7	43064.3	43582.9	43394.9	43079.4	43046.1
7°	37101.2	37395.4	37926.2	39312.3	40322.3	40759.1	41198.9	40819.8	40392.1	40322.3
8°	34201.5	34692.9	35426.9	36703.8	37780.6	38220.4	38387.2	37980.8	37522.8	37504.6
9°	31850.8	32187.5	32818.4	33943.7	35038.6	35332.8	35369.2	35014.4	34556.4	34586.7
10°	29712.5	29776.2	30322.1	31289.7	32166.3	32375.6	32366.5	32108.6	31732.5	31832.6
12.5°	24926.2	25099.1	25256.8	25566.2	25860.4	25996.9	25945.3	25839.2	25632.9	25642.0
15°	21677.7	21674.7	21692.9	21835.5	21923.4	21938.6	21938.6	21805.1	21717.2	21847.6
17.5°	18811.4	18969.2	19251.2	19366.5	19481.7	19439.3	19360.4	19299.8	19242.1	19354.4
20°	16582.1	16651.8	16654.9	16730.7	17313.1	17343.4	17243.3	17070.4	16924.8	16897.5
22.5°	14073.7	14179.8	14225.3	14292.1	14352.7	14795.6	14677.3	14398.2	14225.3	14173.8
25°	10564.4	10528.0	10825.2	11371.2	11459.1	11513.7	11483.4	11337.8	11225.6	11246.8
27.5°	7300.7	7364.4	7352.3	7358.4	7937.7	7934.6	7925.6	7798.2	7764.8	7716.3
30°	4082.6	4052.3	4067.4	4028.0	3946.1	4046.2	3885.4	4021.9	3888.5	3930.9
32.5°	2414.4	2393.1	2371.9	2381.0	2320.3	2171.7	2108.0	2202.0	2171.7	2159.6
35°	1540.8	1549.9	1577.2	1574.2	1519.6	1434.7	1343.7	1428.6	1416.5	1380.1
37.5°	982.7	982.7	991.8	1070.7	1025.2	952.4	888.7	925.1	922.1	916.0
40°	697.6	697.6	709.8	731.0	706.7	670.3	633.9	633.9	640.0	621.8
42.5°	518.7	518.7	530.8	542.9	512.6	500.5	482.3	470.1	485.3	470.1
45°	406.4	403.4	406.4	400.4	382.2	382.2	367.0	348.8	367.0	357.9
47.5°	333.6	330.6	327.6	315.4	297.2	300.3	294.2	279.0	288.1	285.1
50°	291.2	285.1	288.1	276.0	260.8	257.8	257.8	242.6	245.7	245.7
52.5°	254.8	254.8	251.7	245.7	239.6	227.5	230.5	215.4	215.4	215.4
55°	239.6	239.6	233.6	221.4	224.5	215.4	206.3	197.2	194.1	194.1
57.5°	236.6	236.6	233.6	221.4	212.3	209.3	197.2	185.0	175.9	179.0
60°	230.5	230.5	224.5	221.4	206.3	200.2	182.0	172.9	160.8	160.8
62.5°	221.4	218.4	206.3	188.1	188.1	172.9	160.8	142.6	133.5	130.4
65°	188.1	185.0	175.9	160.8	151.7	142.6	124.4	106.2	100.1	91.0
67.5°	154.7	154.7	148.6	133.5	127.4	115.3	94.0	81.9	66.7	60.7
70°	127.4	127.4	121.3	112.2	106.2	91.0	72.8	60.7	45.5	39.4
72.5°	103.1	103.1	97.1	91.0	84.9	75.8	60.7	45.5	30.3	24.3
75°	81.9	81.9	78.9	72.8	66.7	60.7	48.5	36.4	21.2	12.1
77.5°	66.7	66.7	63.7	60.7	54.6	48.5	39.4	30.3	15.2	6.1
80°	51.6	51.6	51.6	51.6	45.5	39.4	33.4	24.3	12.1	3.0
82.5°	36.4	36.4	39.4	45.5	36.4	30.3	30.3	24.3	9.1	3.0
85°	24.3	27.3	30.3	27.3	24.3	24.3	42.5	39.4	9.1	3.0
87.5°	12.1	12.1	12.1	12.1	12.1	9.1	12.1	9.1	6.1	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°
50289.2
49910.0
49427.8
48481.4
47068.0
44938.7
42603.2
39991.7
36840.3
34134.8
31480.8
25341.7
21544.3
19096.5
16721.6
13988.8
11174.0
7540.3
3982.5
2129.3
1340.6
903.9
615.7
467.1
357.9
285.1
248.7
215.4
191.1
179.0
151.7
124.4
88.0
57.6
36.4
21.2
9.1
6.1
3.0
3.0
3.0
0.0
0.0

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