

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: P636226

Luminaire Tested: **IFLD-S-SA6B-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636226
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23082.3 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

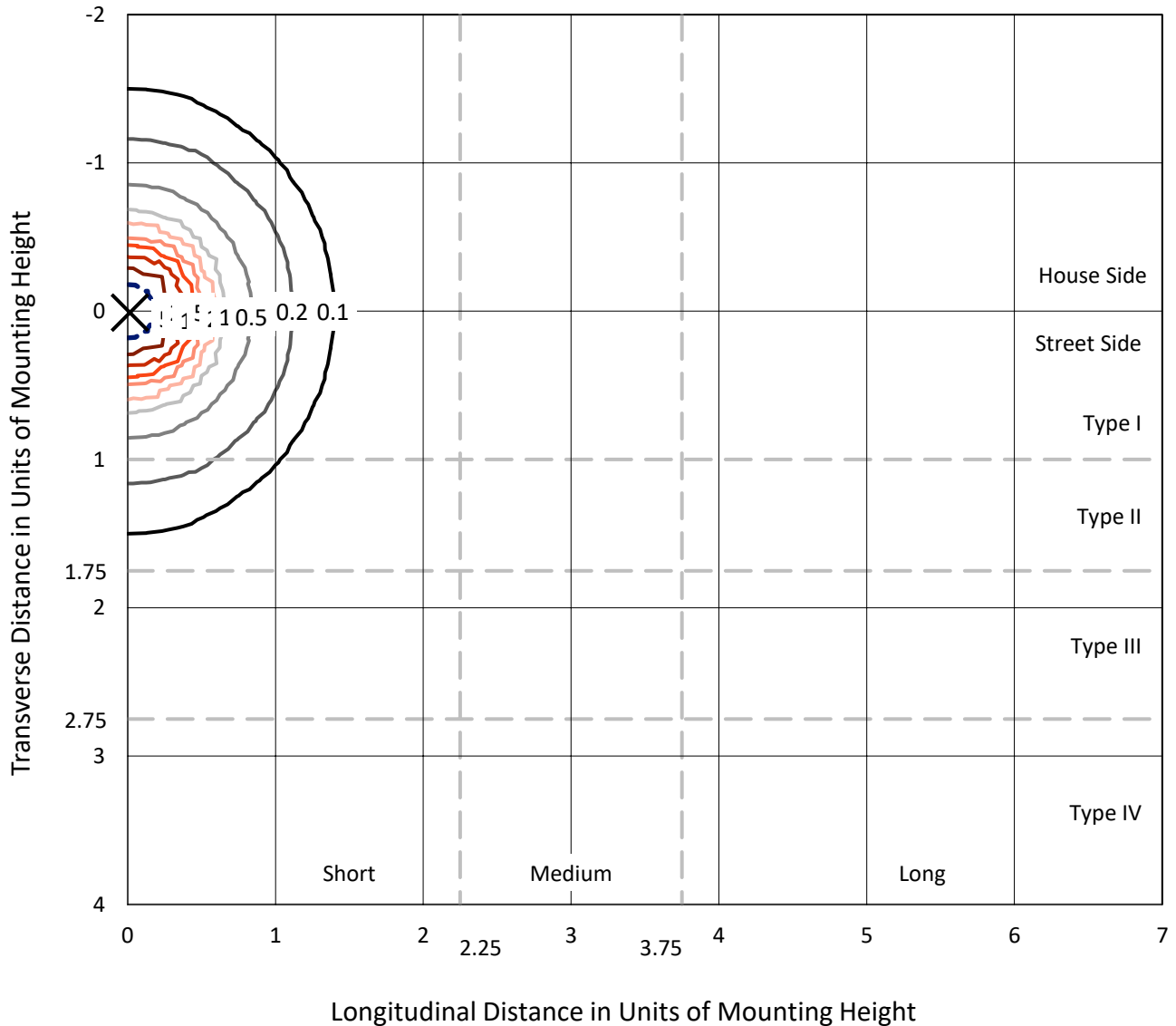
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

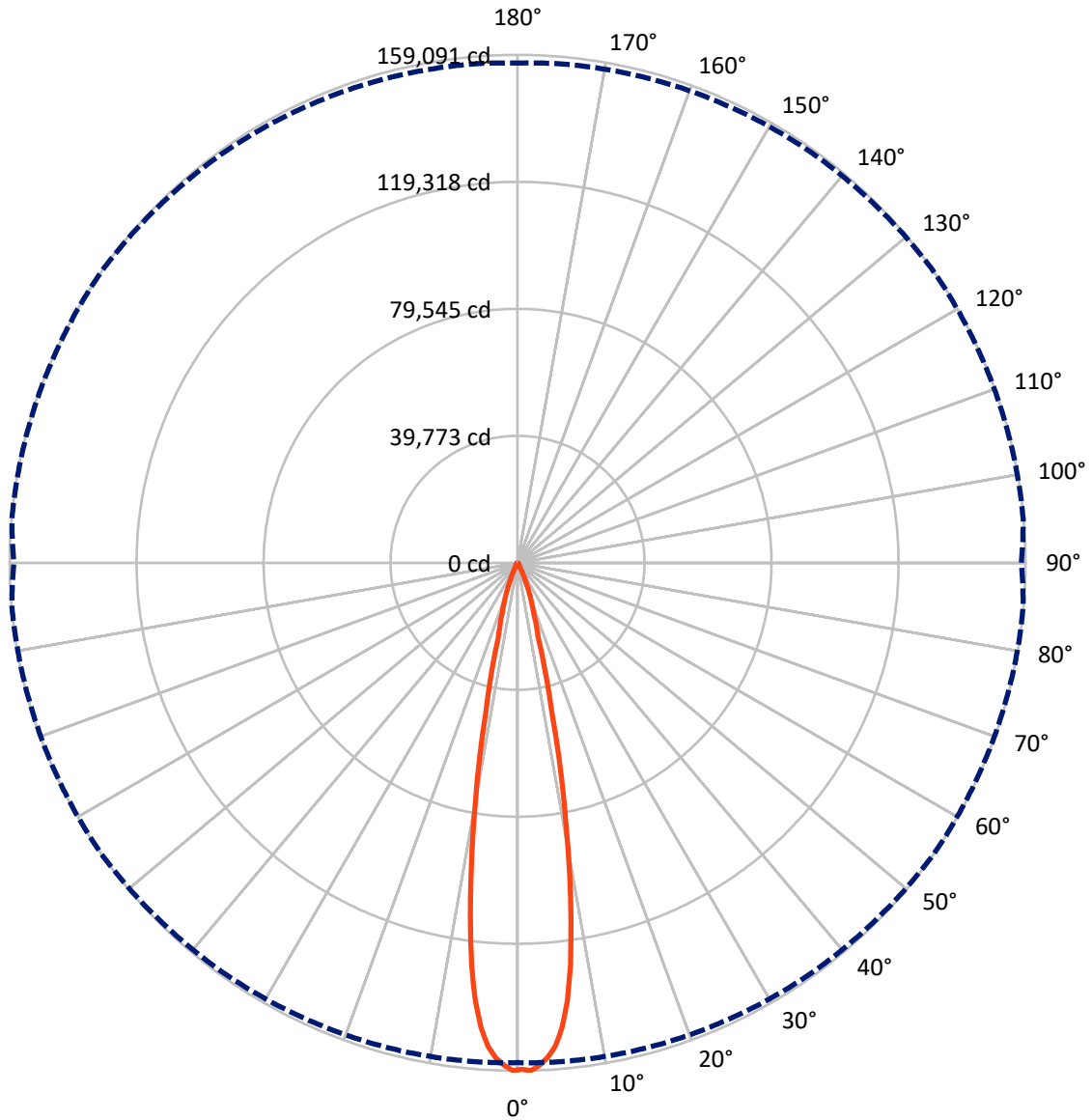
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 396.7 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	11541.1	0.0	11541.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11541.1	0.0	11541.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23082.3	0.0	23082.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11727.5	50.8
10°-20°	8311.4	36.0
20°-30°	1947.5	8.4
30°-40°	407.0	1.8
40°-50°	262.6	1.1
50°-60°	194.5	0.8
60°-70°	132.2	0.6
70°-80°	70.6	0.3
80°-90°	28.9	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°	23082.3	100.0
0°-180°	23082.3	100.0

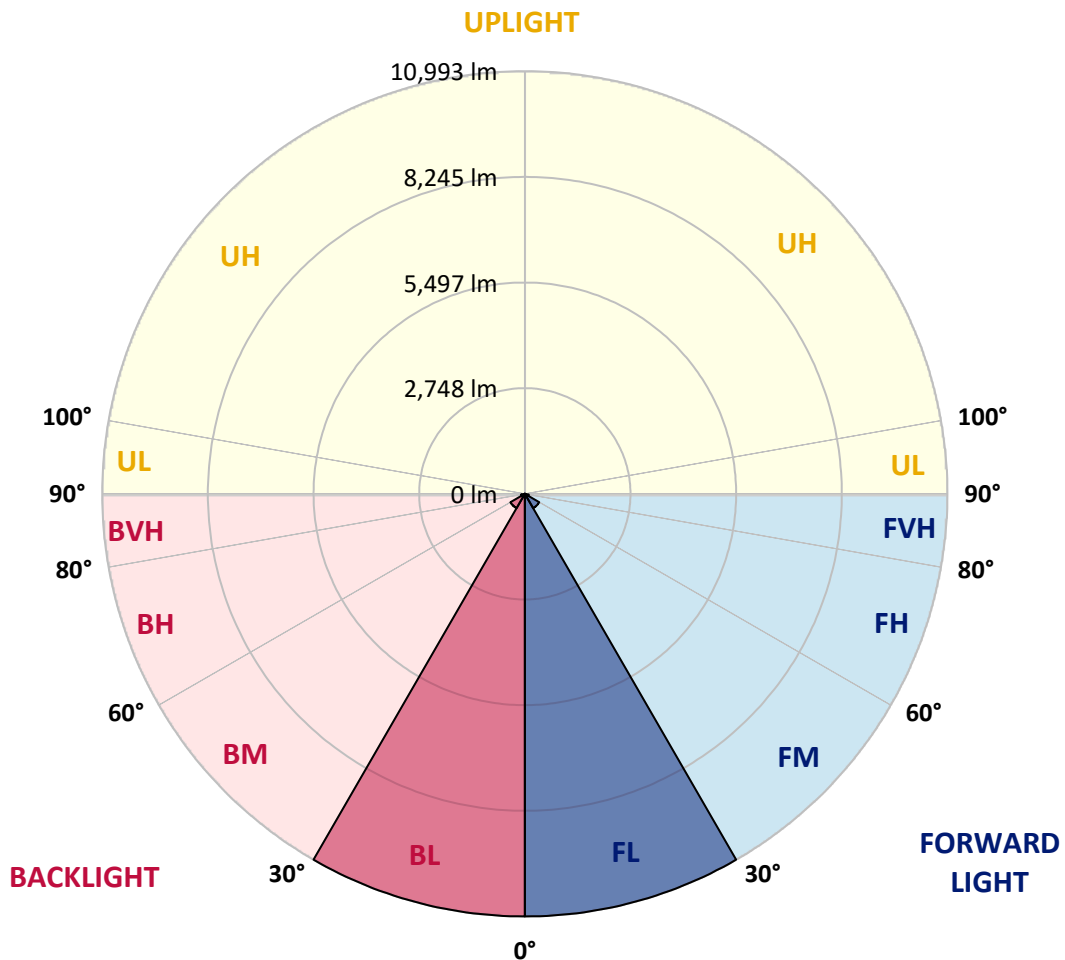


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10993.2	47.6			
FM (30°-60°)	432.1	1.9			
FH (60°-80°)	101.4	0.4			G0/660
FVH (80°-90°)	14.5	0.1			G1/100
BL (0°-30°)	10993.2	47.6	B5		
BM (30°-60°)	432.1	1.9	B1/1000		
BH (60°-80°)	101.4	0.4	B0/110		G0/660
BVH (80°-90°)	14.5	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°	158682.3	158682.3	158682.3	158682.3	158682.3	158682.3	158682.3	158682.3	158682.3	158682.3
1°	156547.4	156837.2	157192.4	157514.9	158000.6	158396.6	159090.5	158943.6	158923.2	158951.7
2°	153514.4	153877.7	154424.7	154747.2	156000.4	156514.8	157563.8	157874.1	157625.1	157906.7
3°	148971.1	149269.1	150126.3	150759.0	152383.7	153771.6	155175.8	155641.2	155351.4	155482.0
4°	143562.3	143868.5	144905.3	146195.3	148542.5	150081.4	151763.2	152179.6	151232.6	151297.9
5°	137124.9	137267.8	138537.3	139713.0	142521.4	144386.9	145983.0	146113.6	145248.2	144917.6
6°	129883.3	129626.2	130793.6	131291.6	134781.8	136684.1	137851.5	137700.5	137043.3	136761.6
7°	121278.3	120927.3	121870.2	121600.8	124690.9	125776.8	126899.3	126385.0	125862.5	126511.5
8°	111322.1	111126.2	110518.0	111620.1	112232.5	113204.0	113199.9	112901.9	112885.6	113967.3
9°	96847.1	98655.5	98120.7	99276.0	99120.8	99075.9	98777.9	98586.1	97769.7	99014.7
10°	80951.5	82135.3	83037.5	84760.1	84425.4	84898.9	83241.6	83523.2	82980.3	84009.0
12.5°	41902.5	43233.2	44012.9	45327.3	46772.4	48250.1	47772.5	47278.5	46539.7	47445.9
15°	20626.7	21153.3	21402.3	22737.1	23765.8	24137.3	24194.4	23757.7	23569.9	23765.8
17.5°	12658.5	12842.2	13564.7	15099.6	15989.5	16209.9	16067.0	15589.4	15054.7	14830.2
20°	9164.2	9217.3	9490.8	9788.8	10976.7	11597.2	11368.6	10899.1	10405.2	10172.5
22.5°	5984.3	6037.4	6127.2	6290.5	6608.9	7376.3	7127.3	6808.9	6474.2	6404.8
25°	3388.1	3388.1	3482.0	3649.4	3886.1	3943.3	3992.3	3653.5	3498.3	3428.9
27.5°	1890.0	1902.2	1922.7	1988.0	2106.3	2094.1	2041.0	1951.2	1845.1	1734.9
30°	1045.0	1057.3	1069.5	1085.8	1106.2	1069.5	1036.8	1020.5	975.6	963.4
32.5°	783.8	783.8	791.9	787.8	767.4	722.5	702.1	726.6	722.5	702.1
35°	645.0	645.0	653.1	669.5	628.6	596.0	579.7	612.3	612.3	600.1
37.5°	526.6	530.7	534.8	555.2	542.9	506.2	502.1	510.3	514.3	510.3
40°	461.3	457.2	457.2	461.3	453.1	444.9	436.8	432.7	436.8	432.7
42.5°	400.0	396.0	404.1	396.0	379.6	383.7	383.7	371.5	375.6	367.4
45°	351.1	347.0	351.1	342.9	330.6	334.7	334.7	318.4	318.4	314.3
47.5°	310.2	310.2	310.2	314.3	293.9	289.8	293.9	289.8	277.6	273.5
50°	269.4	273.5	277.6	285.7	265.3	257.2	257.2	257.2	249.0	244.9
52.5°	249.0	253.1	253.1	253.1	240.8	232.7	232.7	228.6	224.5	220.4
55°	240.8	240.8	240.8	224.5	220.4	216.3	204.1	200.0	195.9	195.9
57.5°	228.6	228.6	224.5	212.3	200.0	200.0	183.7	179.6	175.5	175.5
60°	204.1	204.1	204.1	200.0	183.7	179.6	163.3	155.1	151.0	151.0
62.5°	187.8	187.8	187.8	171.4	167.4	155.1	142.9	130.6	126.5	118.4
65°	171.4	171.4	171.4	155.1	147.0	134.7	118.4	106.1	98.0	85.7
67.5°	159.2	159.2	155.1	142.9	130.6	114.3	98.0	85.7	69.4	61.2
70°	138.8	138.8	134.7	126.5	114.3	102.1	81.6	65.3	53.1	40.8
72.5°	118.4	118.4	114.3	106.1	98.0	85.7	69.4	57.1	36.7	28.6
75°	98.0	98.0	93.9	85.7	81.6	73.5	61.2	44.9	28.6	12.2
77.5°	81.6	81.6	77.6	73.5	69.4	61.2	53.1	36.7	20.4	8.2
80°	61.2	65.3	65.3	65.3	57.1	53.1	49.0	36.7	16.3	4.1
82.5°	44.9	49.0	49.0	49.0	44.9	40.8	44.9	32.7	16.3	4.1
85°	32.7	32.7	36.7	36.7	36.7	36.7	49.0	36.7	12.2	4.1
87.5°	16.3	16.3	16.3	16.3	16.3	20.4	24.5	20.4	8.2	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°
158682.3
157812.9
156837.2
154502.3
150326.3
144227.7
136128.9
126311.5
110967.0
96692.0
81372.0
44992.6
22851.4
14515.8
9992.9
6261.9
3371.8
1739.0
963.4
689.9
596.0
510.3
436.8
371.5
314.3
273.5
240.8
216.3
191.9
175.5
147.0
110.2
85.7
57.1
40.8
24.5
12.2
4.1
4.1
4.1
4.1
0.0
0.0

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