

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: P636170

Luminaire Tested: **IFLD-S-SA6D-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636170
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28002.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

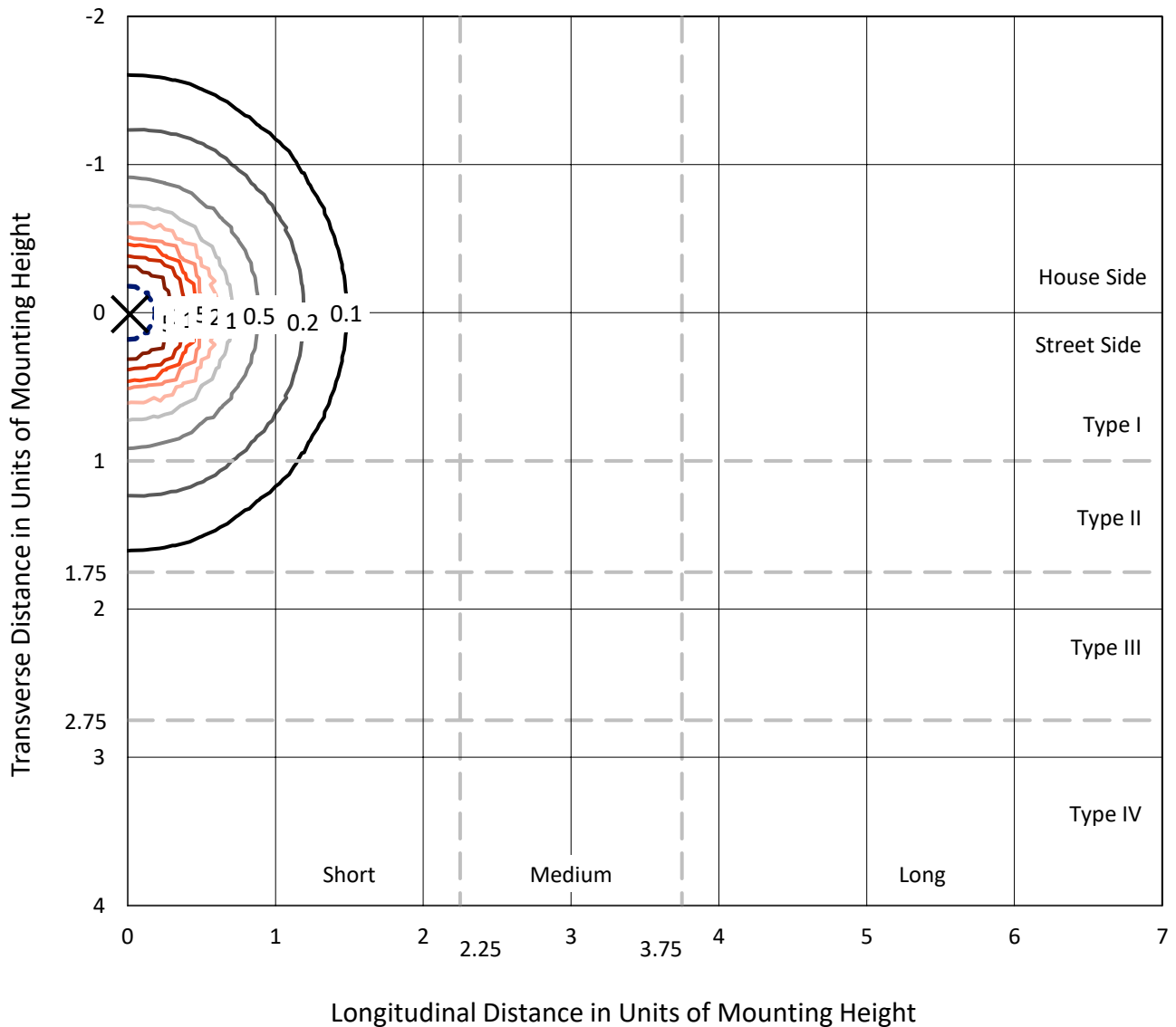
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

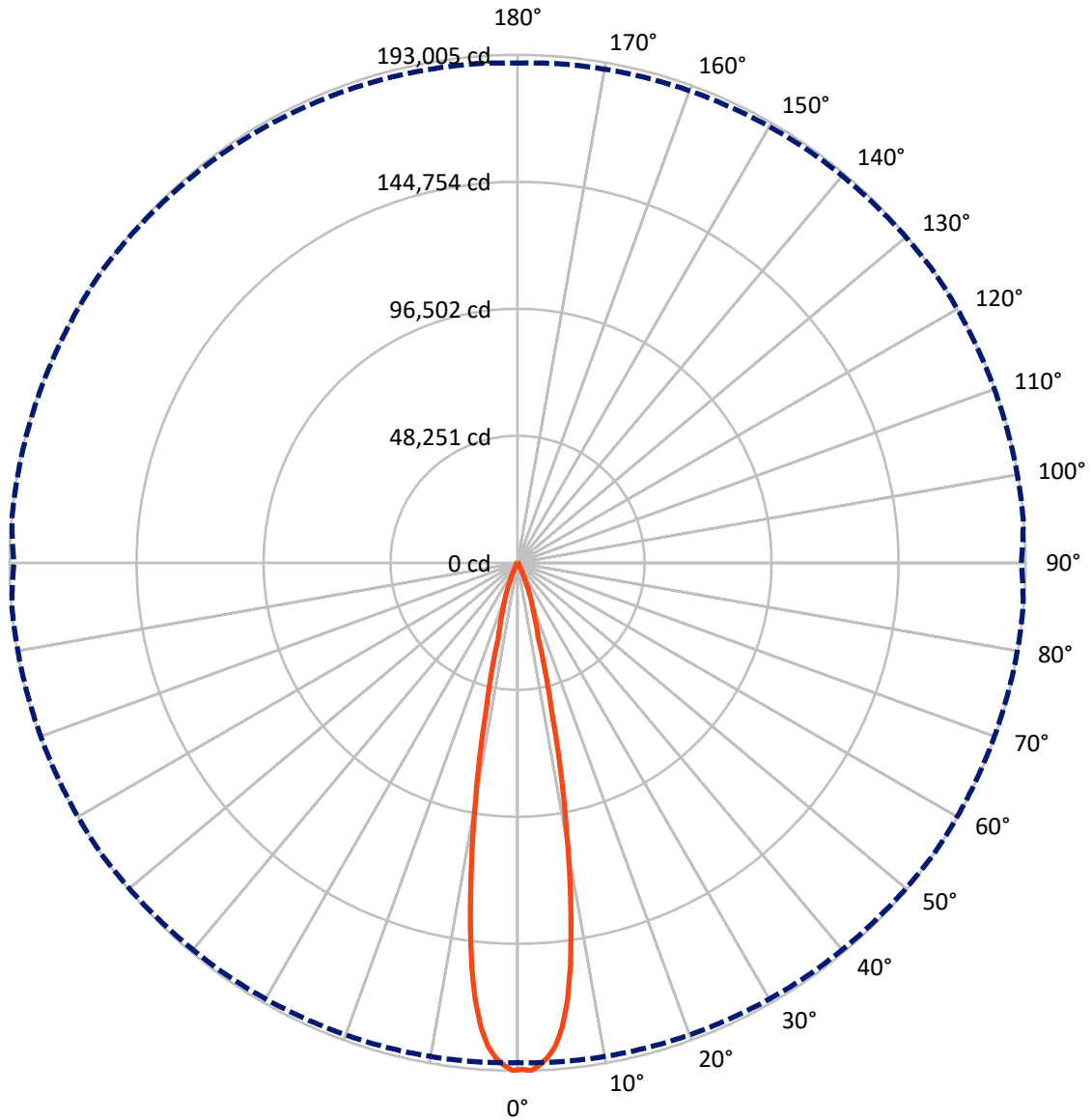
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 481.3 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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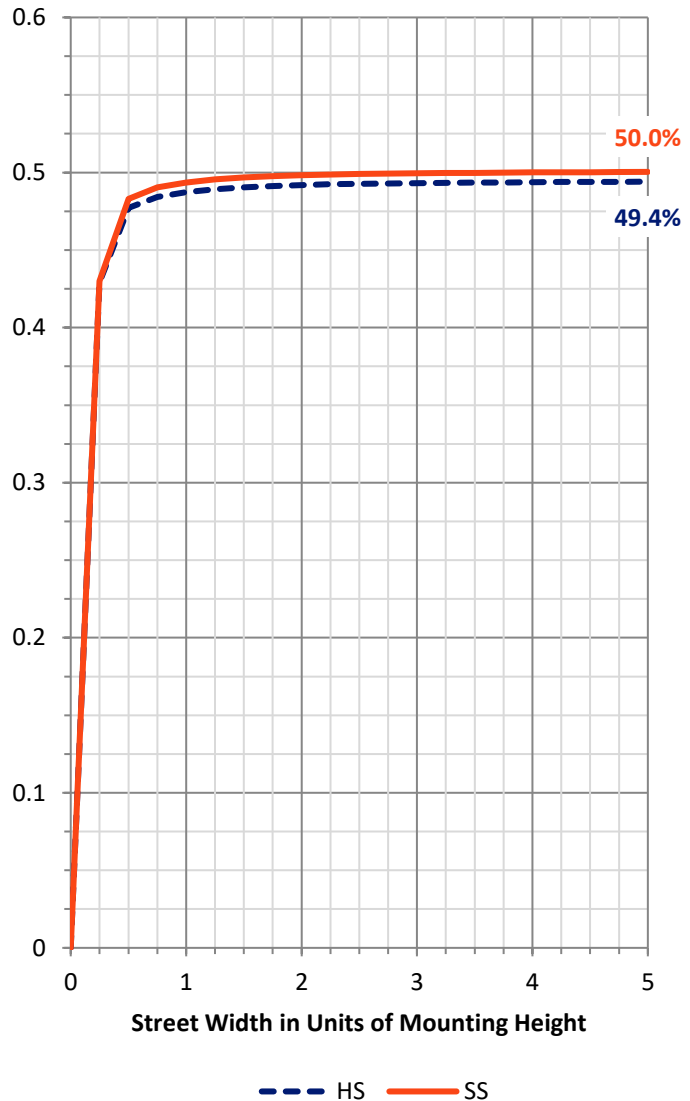
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14001.4	0.0	14001.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14001.4	0.0	14001.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	28002.9	0.0	28002.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14227.6	50.8
10°-20°	10083.2	36.0
20°-30°	2362.7	8.4
30°-40°	493.8	1.8
40°-50°	318.6	1.1
50°-60°	236.0	0.8
60°-70°	160.4	0.6
70°-80°	85.6	0.3
80°-90°	35.1	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°	28002.9	100.0
0°-180°	28002.9	100.0

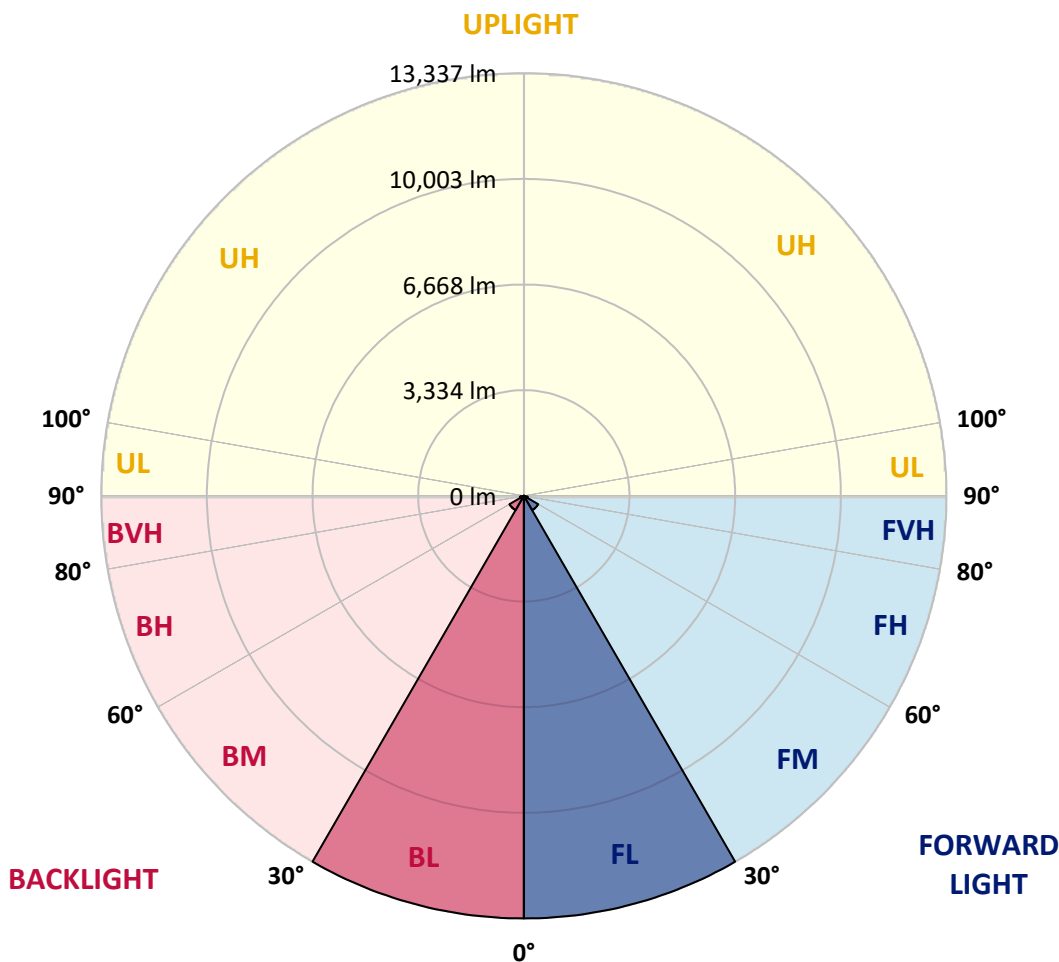


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13336.7	47.6			
FM (30°-60°)	524.2	1.9			
FH (60°-80°)	123.0	0.4			G0/660
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	13336.7	47.6	B5		
BM (30°-60°)	524.2	1.9	B1/1000		
BH (60°-80°)	123.0	0.4	B1/500		G0/660
BVH (80°-90°)	17.5	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°	192509.5	192509.5	192509.5	192509.5	192509.5	192509.5	192509.5	192509.5	192509.5	192509.5
1°	189919.5	190271.1	190701.9	191093.2	191682.5	192162.8	193004.7	192826.4	192801.7	192836.4
2°	186239.9	186680.7	187344.3	187735.5	189255.9	189879.8	191152.6	191529.0	191226.9	191568.6
3°	180728.1	181089.6	182129.5	182897.2	184868.2	186551.9	188255.5	188820.1	188468.5	188626.9
4°	174166.3	174537.7	175795.6	177360.5	180208.1	182075.1	184115.4	184620.5	183471.6	183550.9
5°	166356.6	166529.9	168070.1	169496.3	172903.5	175166.7	177103.0	177261.5	176211.6	175810.5
6°	157571.3	157259.3	158675.6	159279.8	163514.0	165821.7	167238.1	167054.8	166257.5	165915.8
7°	147131.9	146706.0	147850.0	147523.1	151272.0	152589.3	153951.1	153327.2	152693.3	153480.7
8°	135053.3	134815.6	134077.7	135414.8	136157.6	137336.3	137331.3	136969.8	136950.0	138262.4
9°	117492.6	119686.4	119037.7	120439.2	120251.0	120196.5	119835.0	119602.2	118611.8	120122.2
10°	98208.4	99644.6	100739.0	102828.9	102422.8	102997.3	100986.6	101328.3	100669.7	101917.7
12.5°	50835.0	52449.5	53395.4	54990.0	56743.1	58535.8	57956.4	57357.2	56460.8	57560.2
15°	25023.8	25662.7	25964.7	27584.1	28832.1	29282.8	29352.1	28822.2	28594.4	28832.1
17.5°	15357.0	15579.8	16456.4	18318.4	19398.0	19665.5	19492.1	18912.7	18264.0	17991.6
20°	11117.8	11182.2	11514.0	11875.5	13316.6	14069.4	13792.1	13222.6	12623.3	12341.1
22.5°	7260.0	7324.4	7433.4	7631.4	8017.7	8948.7	8646.7	8260.4	7854.3	7770.1
25°	4110.4	4110.4	4224.3	4427.3	4714.6	4783.9	4843.3	4432.3	4244.1	4159.9
27.5°	2292.9	2307.8	2332.5	2411.8	2555.4	2540.5	2476.1	2367.2	2238.4	2104.7
30°	1267.8	1282.6	1297.5	1317.3	1342.1	1297.5	1257.9	1238.1	1183.6	1168.7
32.5°	950.8	950.8	960.7	955.8	931.0	876.6	851.8	881.5	876.6	851.8
35°	782.5	782.5	792.4	812.2	762.6	723.0	703.2	742.8	742.8	728.0
37.5°	638.8	643.8	648.7	673.5	658.7	614.1	609.1	619.0	624.0	619.0
40°	559.6	554.7	554.7	559.6	549.7	539.8	529.9	524.9	529.9	524.9
42.5°	485.3	480.4	490.3	480.4	460.6	465.5	465.5	450.7	455.6	445.7
45°	425.9	420.9	425.9	416.0	401.1	406.1	406.1	386.3	386.3	381.3
47.5°	376.4	376.4	376.4	381.3	356.6	351.6	356.6	351.6	336.8	331.8
50°	326.8	331.8	336.8	346.7	321.9	312.0	312.0	312.0	302.1	297.1
52.5°	302.1	307.0	307.0	307.0	292.2	282.3	282.3	277.3	272.4	267.4
55°	292.2	292.2	292.2	272.4	267.4	262.5	247.6	242.7	237.7	237.7
57.5°	277.3	277.3	272.4	257.5	242.7	242.7	222.9	217.9	212.9	212.9
60°	247.6	247.6	247.6	242.7	222.9	217.9	198.1	188.2	183.2	183.2
62.5°	227.8	227.8	227.8	208.0	203.0	188.2	173.3	158.5	153.5	143.6
65°	208.0	208.0	208.0	188.2	178.3	163.4	143.6	128.8	118.9	104.0
67.5°	193.1	193.1	188.2	173.3	158.5	138.7	118.9	104.0	84.2	74.3
70°	168.4	168.4	163.4	153.5	138.7	123.8	99.0	79.2	64.4	49.5
72.5°	143.6	143.6	138.7	128.8	118.9	104.0	84.2	69.3	44.6	34.7
75°	118.9	118.9	113.9	104.0	99.0	89.1	74.3	54.5	34.7	14.9
77.5°	99.0	99.0	94.1	89.1	84.2	74.3	64.4	44.6	24.8	9.9
80°	74.3	79.2	79.2	79.2	69.3	64.4	59.4	44.6	19.8	5.0
82.5°	54.5	59.4	59.4	59.4	54.5	49.5	54.5	39.6	19.8	5.0
85°	39.6	39.6	44.6	44.6	44.6	44.6	59.4	44.6	14.9	5.0
87.5°	19.8	19.8	19.8	19.8	19.8	24.8	29.7	24.8	9.9	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°
192509.5
191454.7
190271.1
187438.4
182372.2
174973.5
165148.2
153238.0
134622.4
117304.4
98718.5
54583.9
27722.8
17610.3
12123.2
7596.8
4090.6
2109.7
1168.7
836.9
723.0
619.0
529.9
450.7
381.3
331.8
292.2
262.5
232.8
212.9
178.3
133.7
104.0
69.3
49.5
29.7
14.9
5.0
5.0
5.0
5.0
0.0
0.0

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