

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: P636305

Luminaire Tested: **IFLD-S-SA2D-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636305
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9357.7 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

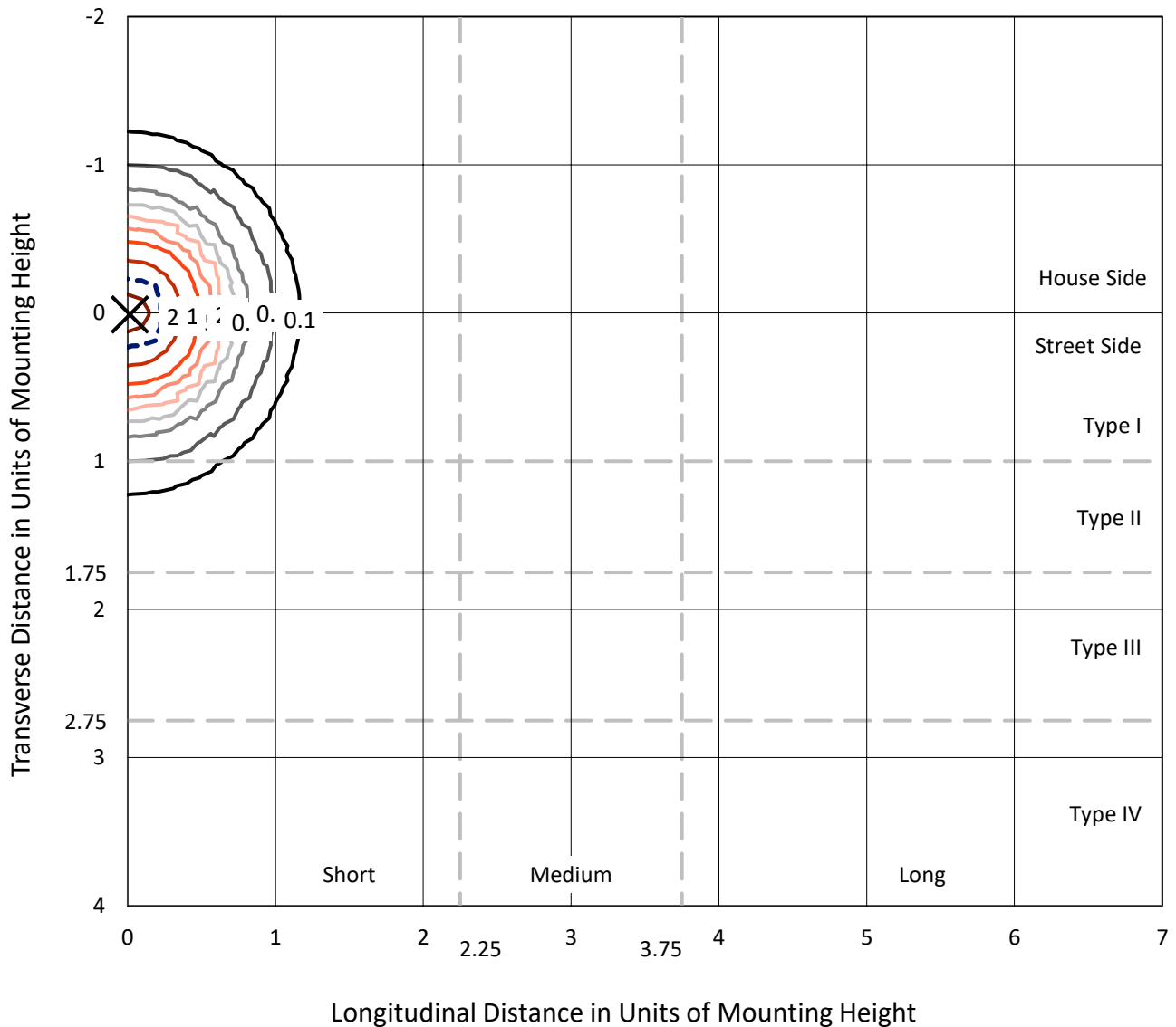
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

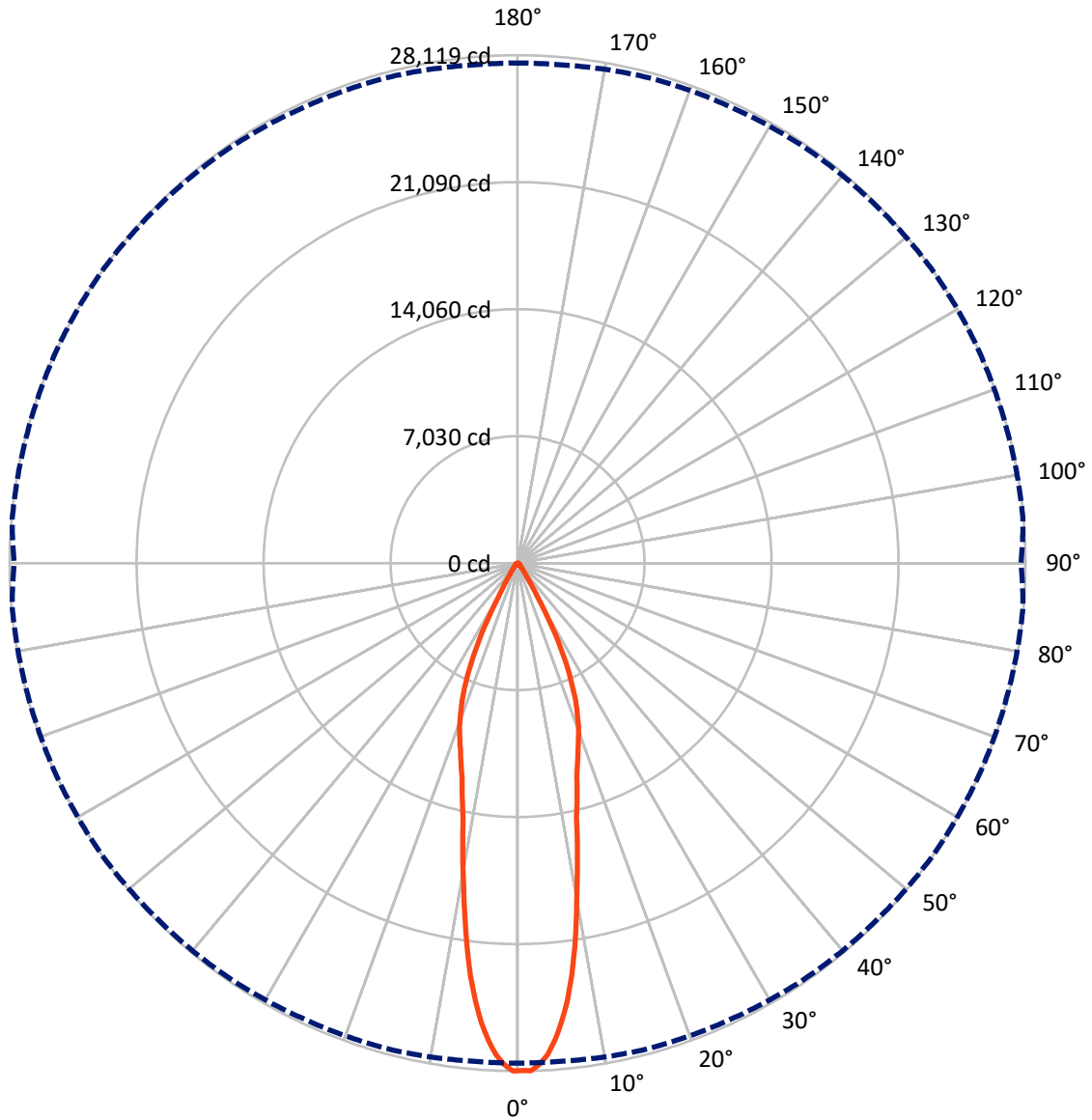
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 70.2 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-S-SA2D-930-U-44-VI

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	4678.8	0.0	4678.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4678.8	0.0	4678.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9357.7	0.0	9357.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2137.0	22.8
10°-20°	3490.3	37.3
20°-30°	2727.5	29.1
30°-40°	594.5	6.4
40°-50°	176.0	1.9
50°-60°	110.1	1.2
60°-70°	77.0	0.8
70°-80°	33.0	0.4
80°-90°	12.2	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°	9357.7	100.0
0°-180°	9357.7	100.0



REPORT NUMBER: P636305

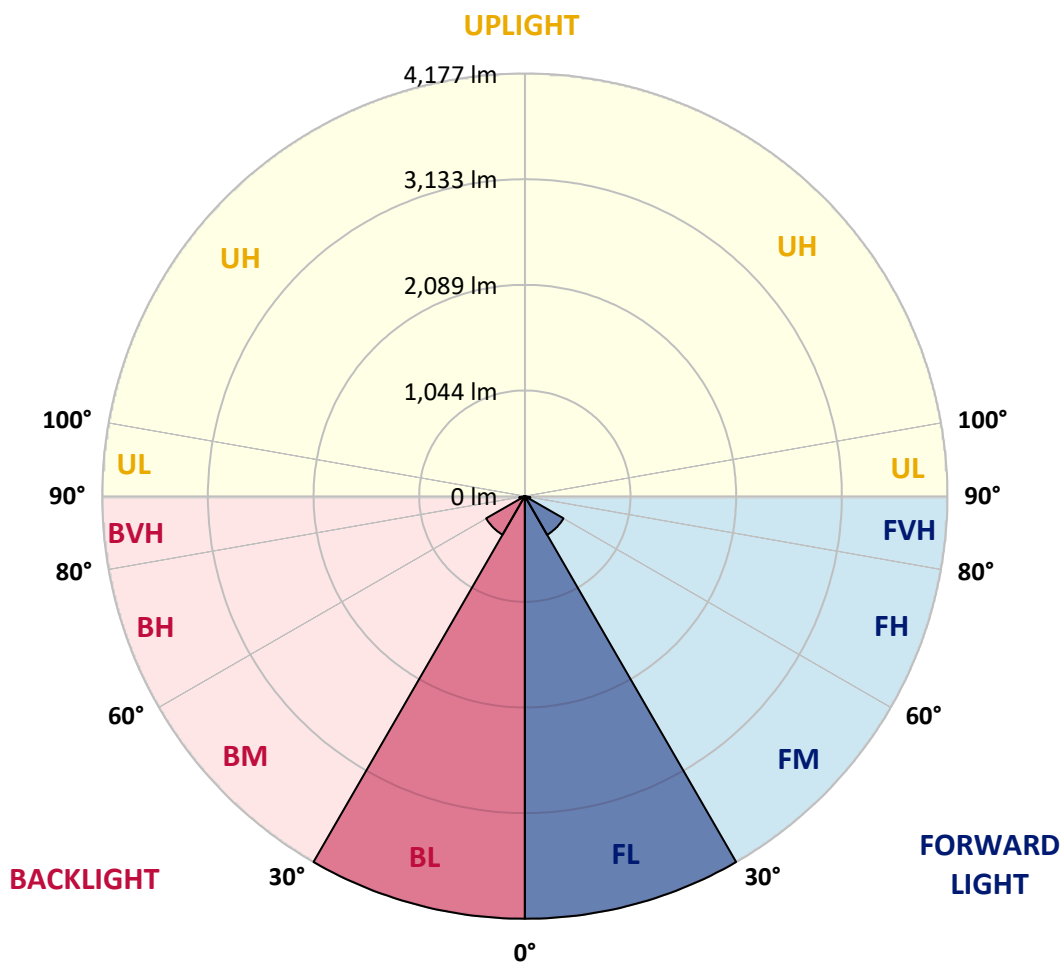
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4177.4	44.6			
FM (30°-60°)	440.3	4.7			
FH (60°-80°)	55.0	0.6			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	4177.4	44.6	B4/5000		
BM (30°-60°)	440.3	4.7	B1/1000		
BH (60°-80°)	55.0	0.6	B0/110		G0/660
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	28087.2	28087.2	28087.2	28087.2	28087.2	28087.2	28087.2	28087.2	28087.2	28087.2
1°	27680.6	27684.0	27834.8	27868.6	27972.0	28024.5	28119.4	28109.2	28080.4	28083.8
2°	27170.7	27148.7	27289.3	27445.1	27568.8	27670.4	27783.9	27807.7	27780.6	27806.0
3°	26332.1	26300.0	26496.5	26691.3	26906.4	27080.9	27252.0	27258.8	27226.6	27224.9
4°	25229.3	25170.0	25403.8	25751.1	26022.1	26254.2	26467.7	26464.3	26420.2	26455.8
5°	23896.1	23821.6	24124.8	24582.2	24983.7	25263.2	25498.7	25442.8	25341.1	25346.2
6°	22259.7	22332.5	22703.5	23345.6	23819.9	24052.0	24341.7	24236.6	24060.4	24041.8
7°	20721.5	20885.8	21182.3	21956.4	22520.6	22764.5	23010.1	22798.4	22559.5	22520.6
8°	19102.0	19376.4	19786.4	20499.6	21101.0	21346.6	21439.8	21212.8	20957.0	20946.8
9°	17789.1	17977.1	18329.5	18958.0	19569.5	19733.9	19754.2	19556.0	19300.2	19317.1
10°	16594.8	16630.4	16935.3	17475.7	17965.3	18082.2	18077.1	17933.1	17723.0	17778.9
12.5°	13921.6	14018.2	14106.3	14279.1	14443.4	14519.6	14490.8	14431.5	14316.3	14321.4
15°	12107.3	12105.6	12115.8	12195.4	12244.5	12253.0	12253.0	12178.4	12129.3	12202.2
17.5°	10506.4	10594.5	10752.1	10816.4	10880.8	10857.1	10813.1	10779.2	10747.0	10809.7
20°	9261.3	9300.3	9302.0	9344.3	9669.6	9686.5	9630.6	9534.1	9452.7	9437.5
22.5°	7860.3	7919.6	7945.0	7982.3	8016.2	8263.5	8197.5	8041.6	7945.0	7916.2
25°	5900.3	5880.0	6046.0	6351.0	6400.1	6430.6	6413.6	6332.3	6269.6	6281.5
27.5°	4077.6	4113.1	4106.4	4109.7	4433.3	4431.6	4426.5	4355.4	4336.7	4309.6
30°	2280.2	2263.2	2271.7	2249.7	2203.9	2259.8	2170.1	2246.3	2171.8	2195.5
32.5°	1348.5	1336.6	1324.7	1329.8	1295.9	1212.9	1177.4	1229.9	1212.9	1206.2
35°	860.6	865.7	880.9	879.2	848.7	801.3	750.5	797.9	791.1	770.8
37.5°	548.9	548.9	554.0	598.0	572.6	531.9	496.4	516.7	515.0	511.6
40°	389.6	389.6	396.4	408.3	394.7	374.4	354.1	354.1	357.4	347.3
42.5°	289.7	289.7	296.5	303.2	286.3	279.5	269.4	262.6	271.0	262.6
45°	227.0	225.3	227.0	223.6	213.4	213.4	205.0	194.8	205.0	199.9
47.5°	186.3	184.7	183.0	176.2	166.0	167.7	164.3	155.9	160.9	159.2
50°	162.6	159.2	160.9	154.2	145.7	144.0	144.0	135.5	137.2	137.2
52.5°	142.3	142.3	140.6	137.2	133.8	127.1	128.7	120.3	120.3	120.3
55°	133.8	133.8	130.4	123.7	125.4	120.3	115.2	110.1	108.4	108.4
57.5°	132.1	132.1	130.4	123.7	118.6	116.9	110.1	103.3	98.3	99.9
60°	128.7	128.7	125.4	123.7	115.2	111.8	101.6	96.6	89.8	89.8
62.5°	123.7	122.0	115.2	105.0	105.0	96.6	89.8	79.6	74.5	72.8
65°	105.0	103.3	98.3	89.8	84.7	79.6	69.5	59.3	55.9	50.8
67.5°	86.4	86.4	83.0	74.5	71.1	64.4	52.5	45.7	37.3	33.9
70°	71.1	71.1	67.8	62.7	59.3	50.8	40.7	33.9	25.4	22.0
72.5°	57.6	57.6	54.2	50.8	47.4	42.4	33.9	25.4	16.9	13.6
75°	45.7	45.7	44.0	40.7	37.3	33.9	27.1	20.3	11.9	6.8
77.5°	37.3	37.3	35.6	33.9	30.5	27.1	22.0	16.9	8.5	3.4
80°	28.8	28.8	28.8	28.8	25.4	22.0	18.6	13.6	6.8	1.7
82.5°	20.3	20.3	22.0	25.4	20.3	16.9	16.9	13.6	5.1	1.7
85°	13.6	15.2	16.9	15.2	13.6	13.6	23.7	22.0	5.1	1.7
87.5°	6.8	6.8	6.8	6.8	6.8	5.1	6.8	5.1	3.4	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°
28087.2
27875.4
27606.1
27077.5
26288.1
25098.9
23794.5
22335.9
20575.8
19064.7
17582.4
14153.7
12032.8
10665.7
9339.2
7812.9
6240.8
4211.4
2224.3
1189.2
748.8
504.8
343.9
260.9
199.9
159.2
138.9
120.3
106.7
99.9
84.7
69.5
49.1
32.2
20.3
11.9
5.1
3.4
1.7
1.7
1.7
0.0
0.0

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