

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: P635870

Luminaire Tested: **IFLD-S-SA2D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635870
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-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7350 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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



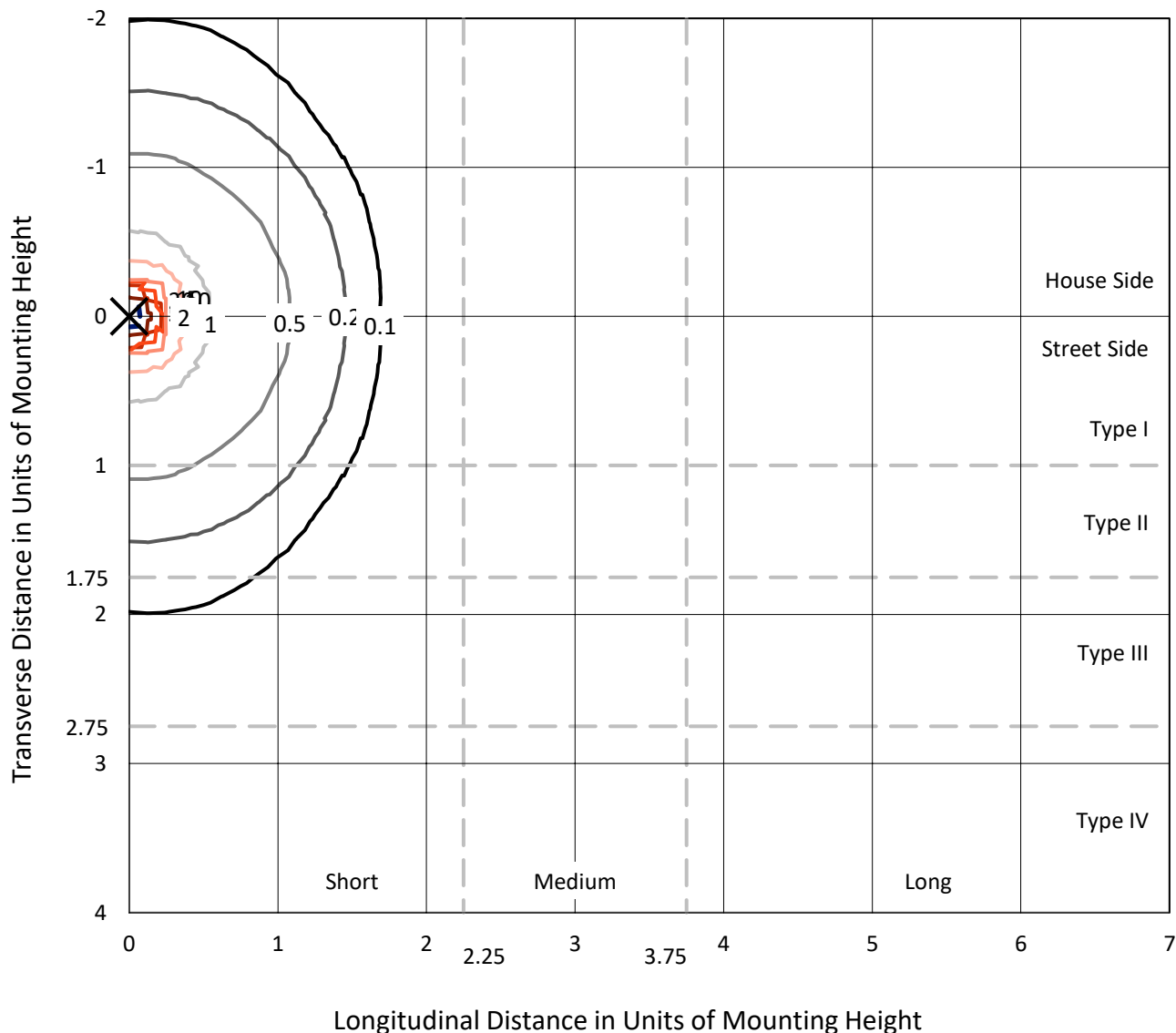
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

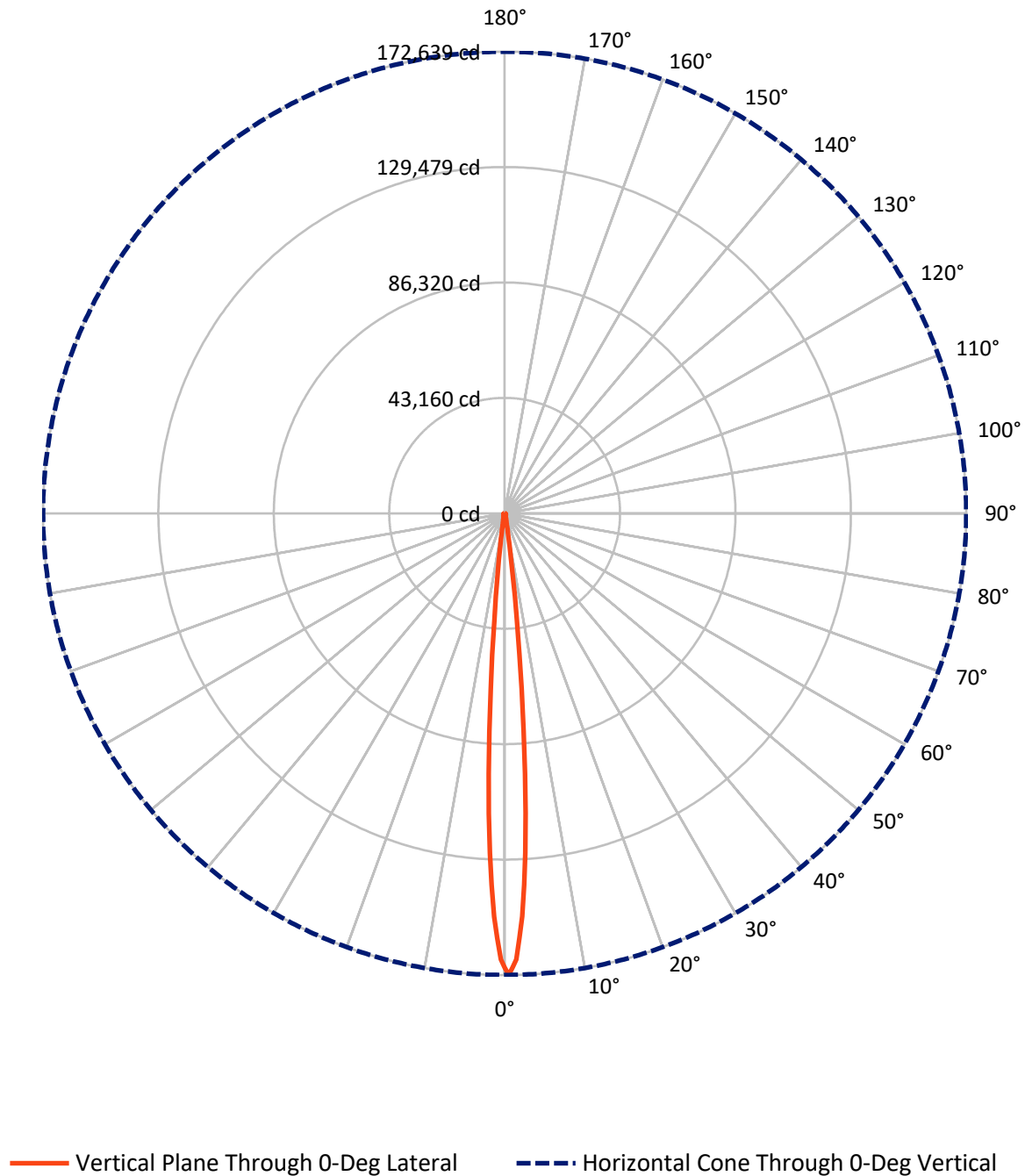


Based on 20 foot mounting height. Maximum calculated value = 431.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3675.0	0.0	3675.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3675.0	0.0	3675.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7350.0	0.0	7350.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4639.2	63.1
10°-20°	573.3	7.8
20°-30°	343.5	4.7
30°-40°	369.4	5.0
40°-50°	496.6	6.8
50°-60°	442.7	6.0
60°-70°	292.4	4.0
70°-80°	145.0	2.0
80°-90°	47.9	0.7
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°	7350.0	100.0
0°-180°	7350.0	100.0

Coefficient of Utilization



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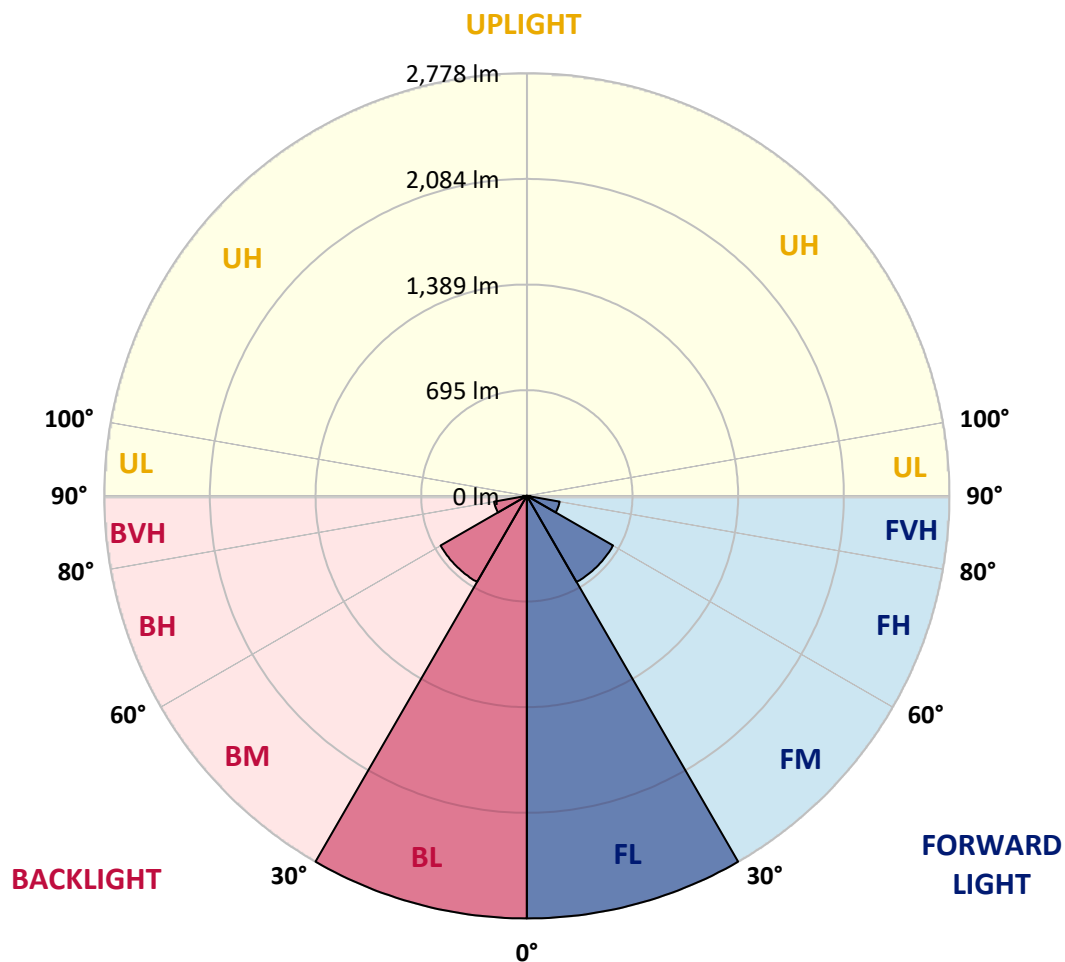
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2778.0	37.8			
FM	(30°-60°)	654.4	8.9			
FH	(60°-80°)	218.7	3.0			G0/660
FVH	(80°-90°)	23.9	0.3			G1/100
BL	(0°-30°)	2778.0	37.8	B4/5000		
BM	(30°-60°)	654.4	8.9	B1/1000		
BH	(60°-80°)	218.7	3.0	B1/500		G0/660
BVH	(80°-90°)	23.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	172639.0	172639.0	172639.0	172639.0	172639.0	172639.0	172639.0	172639.0	172639.0	172639.0
1°	166852.4	165139.8	166020.7	166862.6	168043.3	168563.3	169093.5	169489.9	169483.1	170137.0
2°	150917.2	148157.8	149436.7	151005.3	154039.2	154909.9	156365.0	158165.7	158275.8	159905.4
3°	127205.1	123331.0	125214.7	128008.0	133037.4	134338.4	136671.0	138317.5	137582.3	139489.7
4°	97613.2	92558.4	95436.4	99571.4	104467.0	109433.7	109531.9	110712.6	108288.6	108171.7
5°	65856.4	61399.5	65092.4	70264.1	74493.9	77964.8	80102.6	80250.0	77629.4	77390.6
6°	40165.7	37216.5	40429.9	45903.1	51762.6	53205.8	53532.8	52790.8	49353.7	47451.4
7°	22199.4	20996.7	24137.3	27403.3	31971.9	34084.3	32622.4	30250.9	29198.9	26934.1
8°	12242.3	11649.4	12545.5	15367.7	18913.1	20300.5	18889.4	16426.4	14652.8	14026.1
9°	7380.6	7052.0	7417.9	8491.9	10023.2	10985.4	10177.4	8964.5	8215.7	8007.4
10°	4902.3	4773.6	4929.4	5292.0	5842.5	6123.7	5922.1	5441.0	5214.0	5200.5
12.5°	2573.1	2549.4	2588.4	2629.0	2723.9	2739.1	2703.6	2669.7	2617.2	2637.5
15°	1656.7	1634.7	1675.3	1727.8	1751.6	1766.8	1768.5	1749.9	1714.3	1697.4
17.5°	1207.8	1212.9	1216.3	1246.8	1292.5	1328.1	1312.8	1292.5	1251.8	1231.5
20°	994.4	996.1	1002.8	1019.8	1035.0	1084.1	1068.9	1038.4	999.4	984.2
22.5°	850.4	853.8	857.1	867.3	870.7	884.3	885.9	858.8	836.8	828.4
25°	748.7	748.7	753.8	762.3	765.7	755.5	757.2	745.3	725.0	714.9
27.5°	635.2	638.6	643.7	647.1	640.3	628.5	613.2	623.4	613.2	589.5
30°	565.8	569.2	584.4	574.3	559.0	543.8	535.3	548.8	550.5	530.2
32.5°	560.7	562.4	567.5	562.4	543.8	525.1	513.3	528.5	531.9	523.4
35°	586.1	581.0	587.8	591.2	572.6	552.2	537.0	550.5	560.7	564.1
37.5°	709.8	681.0	659.0	652.2	640.3	626.8	606.4	609.8	628.5	645.4
40°	675.9	669.1	660.6	638.6	616.6	633.5	609.8	603.1	645.4	648.8
42.5°	670.8	675.9	669.1	642.0	620.0	636.9	631.8	611.5	653.9	648.8
45°	674.2	679.3	694.5	648.8	630.2	638.6	648.8	626.8	669.1	652.2
47.5°	647.1	653.9	670.8	645.4	633.5	631.8	647.1	626.8	648.8	647.1
50°	611.5	618.3	623.4	601.4	623.4	611.5	613.2	604.7	604.7	608.1
52.5°	565.8	572.6	577.6	552.2	565.8	570.9	550.5	548.8	533.6	538.7
55°	509.9	520.0	525.1	515.0	508.2	518.4	489.6	486.2	455.7	457.4
57.5°	445.5	455.7	460.8	472.6	467.5	447.2	430.3	416.7	382.8	369.3
60°	459.1	469.2	459.1	425.2	425.2	379.4	364.2	335.4	301.5	284.6
62.5°	443.8	457.4	455.7	420.1	377.8	320.2	293.1	262.6	228.7	206.7
65°	418.4	432.0	425.2	401.5	360.8	274.4	233.8	203.3	160.9	155.8
67.5°	376.1	396.4	382.8	367.6	335.4	249.0	186.3	152.5	116.9	116.9
70°	311.7	326.9	335.4	318.5	299.8	233.8	159.2	116.9	84.7	64.4
72.5°	250.7	264.3	277.8	269.3	252.4	211.7	142.3	93.2	61.0	37.3
75°	138.9	144.0	149.1	169.4	193.1	172.8	130.4	81.3	50.8	28.8
77.5°	106.7	111.8	123.7	113.5	105.0	133.8	142.3	94.9	44.0	20.3
80°	83.0	89.8	127.0	105.0	89.8	101.6	122.0	83.0	28.8	10.2
82.5°	62.7	67.8	89.8	99.9	94.9	76.2	66.1	55.9	25.4	6.8
85°	45.7	52.5	62.7	55.9	54.2	54.2	72.8	49.1	18.6	5.1
87.5°	27.1	27.1	28.8	27.1	25.4	25.4	28.8	23.7	11.9	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
172639.0
168822.5
158465.6
137450.2
107656.7
76423.3
47617.4
25870.3
13456.9
7724.5
5039.6
2561.3
1670.3
1209.5
967.3
818.2
706.4
591.2
523.4
518.4
564.1
660.6
653.9
645.4
647.1
643.7
596.3
530.2
445.5
360.8
271.0
203.3
155.8
103.3
57.6
35.6
25.4
10.2
6.8
5.1
3.4
3.4
0.0

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