

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: P635883

Luminaire Tested: **IFLD-M-SA4B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635883
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10733.8 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1
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



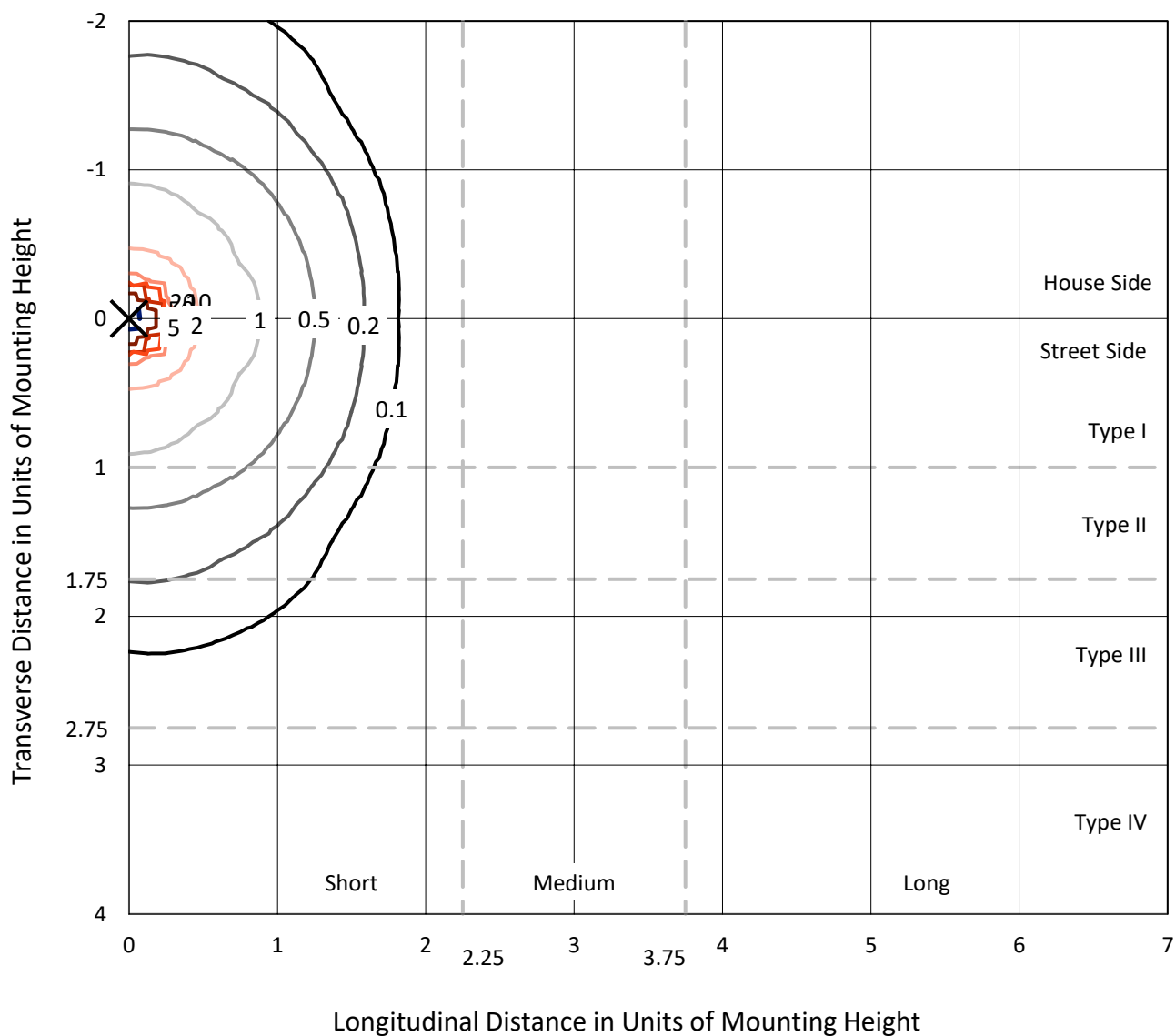
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

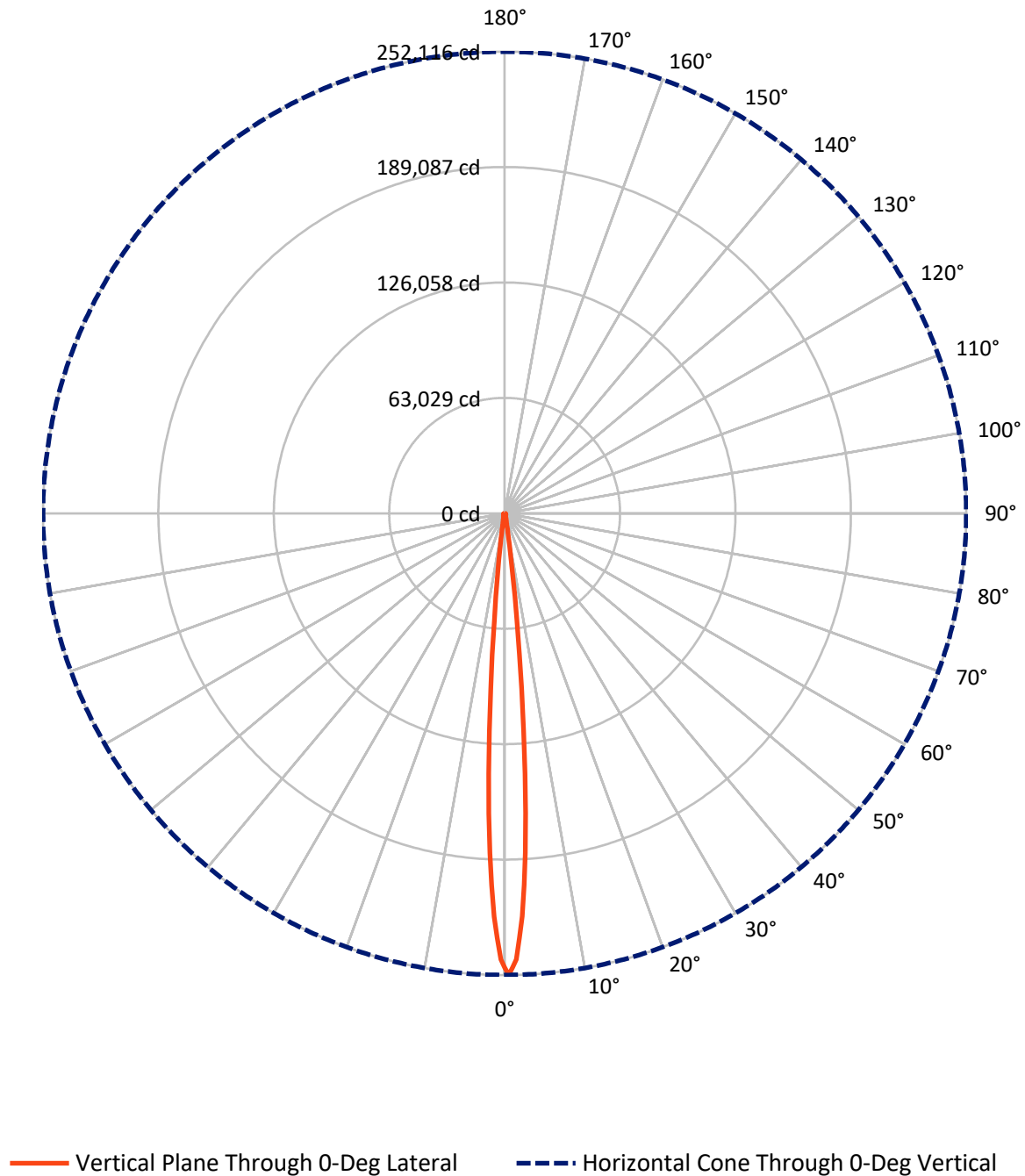


Based on 20 foot mounting height. Maximum calculated value = 630.3 fc

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	5366.9	0.0	5366.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5366.9	0.0	5366.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10733.8	0.0	10733.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6774.9	63.1
10°-20°	837.3	7.8
20°-30°	501.7	4.7
30°-40°	539.4	5.0
40°-50°	725.3	6.8
50°-60°	646.5	6.0
60°-70°	427.1	4.0
70°-80°	211.7	2.0
80°-90°	69.9	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°	10733.8	100.0
0°-180°	10733.8	100.0



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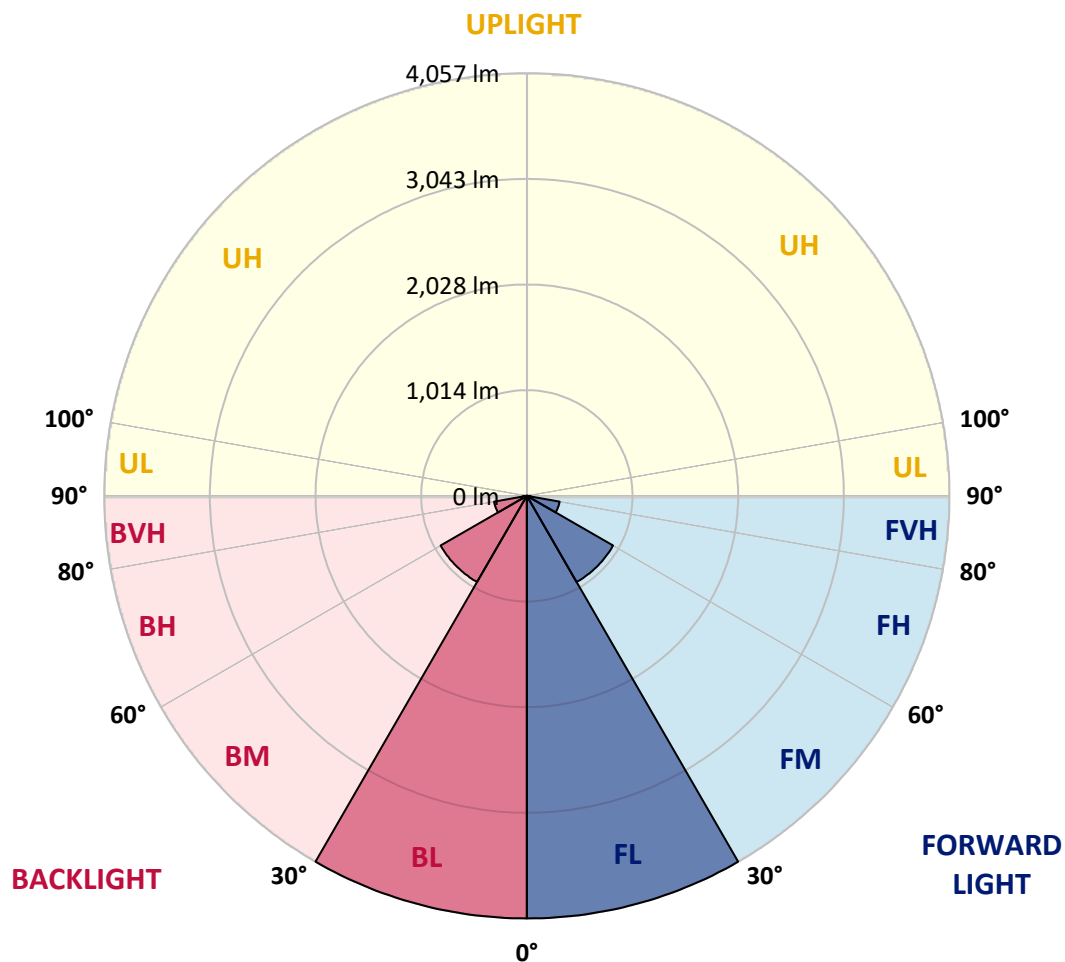
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4056.9	37.8			
FM	(30°-60°)	955.6	8.9			
FH	(60°-80°)	319.4	3.0			G0/660
FVH	(80°-90°)	35.0	0.3			G1/100
BL	(0°-30°)	4056.9	37.8	B4/5000		
BM	(30°-60°)	955.6	8.9	B1/1000		
BH	(60°-80°)	319.4	3.0	B1/500		G0/660
BVH	(80°-90°)	35.0	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°	252116.3	252116.3	252116.3	252116.3	252116.3	252116.3	252116.3	252116.3	252116.3	252116.3
1°	243665.7	241164.7	242451.1	243680.6	245404.8	246164.3	246938.6	247517.5	247507.6	248462.5
2°	220394.6	216364.7	218232.5	220523.2	224953.8	226225.4	228350.4	230980.0	231140.8	233520.6
3°	185766.1	180108.5	182859.4	186938.7	194283.5	196183.4	199589.8	201994.3	200920.7	203706.2
4°	142551.1	135169.2	139372.2	145410.8	152560.1	159813.3	159956.8	161681.1	158141.0	157970.3
5°	96174.5	89665.9	95058.8	102611.3	108788.4	113857.3	116979.2	117194.5	113367.5	113018.7
6°	58656.6	54349.7	59042.5	67035.4	75592.3	77700.0	78177.5	77093.9	72074.6	69296.5
7°	32419.3	30662.9	35249.4	40018.9	46690.8	49775.6	47640.7	44177.4	42641.1	39333.6
8°	17878.3	17012.4	18321.1	22442.4	27620.1	29646.2	27585.5	23988.6	21398.5	20483.2
9°	10778.4	10298.5	10832.8	12401.2	14637.6	16042.7	14862.7	13091.4	11998.0	11693.7
10°	7159.2	6971.2	7198.8	7728.2	8532.2	8942.8	8648.5	7945.9	7614.4	7594.6
12.5°	3757.7	3723.1	3780.0	3839.4	3977.9	4000.2	3948.2	3898.7	3822.0	3851.7
15°	2419.4	2387.2	2446.6	2523.3	2557.9	2580.2	2582.7	2555.4	2503.5	2478.8
17.5°	1763.8	1771.3	1776.2	1820.7	1887.5	1939.5	1917.2	1887.5	1828.1	1798.5
20°	1452.1	1454.6	1464.5	1489.2	1511.5	1583.2	1561.0	1516.4	1459.6	1437.3
22.5°	1241.9	1246.8	1251.7	1266.6	1271.5	1291.3	1293.8	1254.2	1222.1	1209.7
25°	1093.4	1093.4	1100.8	1113.2	1118.2	1103.3	1105.8	1088.5	1058.8	1043.9
27.5°	927.7	932.6	940.0	945.0	935.1	917.8	895.5	910.4	895.5	860.9
30°	826.3	831.2	853.5	838.6	816.4	794.1	781.7	801.5	804.0	774.3
32.5°	818.8	821.3	828.7	821.3	794.1	766.9	749.6	771.8	776.8	764.4
35°	855.9	848.5	858.4	863.4	836.1	806.5	784.2	804.0	818.8	823.8
37.5°	1036.5	994.5	962.3	952.4	935.1	915.3	885.6	890.6	917.8	942.5
40°	987.1	977.2	964.8	932.6	900.5	925.2	890.6	880.7	942.5	947.5
42.5°	979.6	987.1	977.2	937.6	905.4	930.2	922.7	893.0	954.9	947.5
45°	984.6	992.0	1014.3	947.5	920.3	932.6	947.5	915.3	977.2	952.4
47.5°	945.0	954.9	979.6	942.5	925.2	922.7	945.0	915.3	947.5	945.0
50°	893.0	902.9	910.4	878.2	910.4	893.0	895.5	883.2	883.2	888.1
52.5°	826.3	836.1	843.6	806.5	826.3	833.7	804.0	801.5	779.3	786.7
55°	744.6	759.5	766.9	752.0	742.1	757.0	714.9	710.0	665.5	667.9
57.5°	650.6	665.5	672.9	690.2	682.8	653.1	628.3	608.6	559.1	539.3
60°	670.4	685.2	670.4	620.9	620.9	554.1	531.9	489.8	440.3	415.6
62.5°	648.1	667.9	665.5	613.5	551.7	467.6	428.0	383.4	334.0	301.8
65°	611.0	630.8	620.9	586.3	526.9	400.8	341.4	296.9	235.0	227.6
67.5°	549.2	578.9	559.1	536.8	489.8	363.7	272.1	222.6	170.7	170.7
70°	455.2	477.4	489.8	465.1	437.9	341.4	232.5	170.7	123.7	94.0
72.5°	366.1	385.9	405.7	393.3	368.6	309.2	207.8	136.1	89.1	54.4
75°	202.9	210.3	217.7	247.4	282.0	252.3	190.5	118.7	74.2	42.1
77.5°	155.9	163.3	180.6	165.7	153.4	195.4	207.8	138.5	64.3	29.7
80°	121.2	131.1	185.5	153.4	131.1	148.4	178.1	121.2	42.1	14.8
82.5°	91.5	99.0	131.1	146.0	138.5	111.3	96.5	81.6	37.1	9.9
85°	66.8	76.7	91.5	81.6	79.2	79.2	106.4	71.7	27.2	7.4
87.5°	39.6	39.6	42.1	39.6	37.1	37.1	42.1	34.6	17.3	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
252116.3
246542.8
231417.9
200727.7
157218.3
111606.1
69538.9
37780.1
19652.0
11280.6
7359.6
3740.4
2439.2
1766.3
1412.5
1194.9
1031.6
863.4
764.4
757.0
823.8
964.8
954.9
942.5
945.0
940.0
870.8
774.3
650.6
526.9
395.8
296.9
227.6
150.9
84.1
52.0
37.1
14.8
9.9
7.4
4.9
4.9
0.0

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