

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: P635887

Luminaire Tested: **IFLD-L-SA7A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635887
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14710.2 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

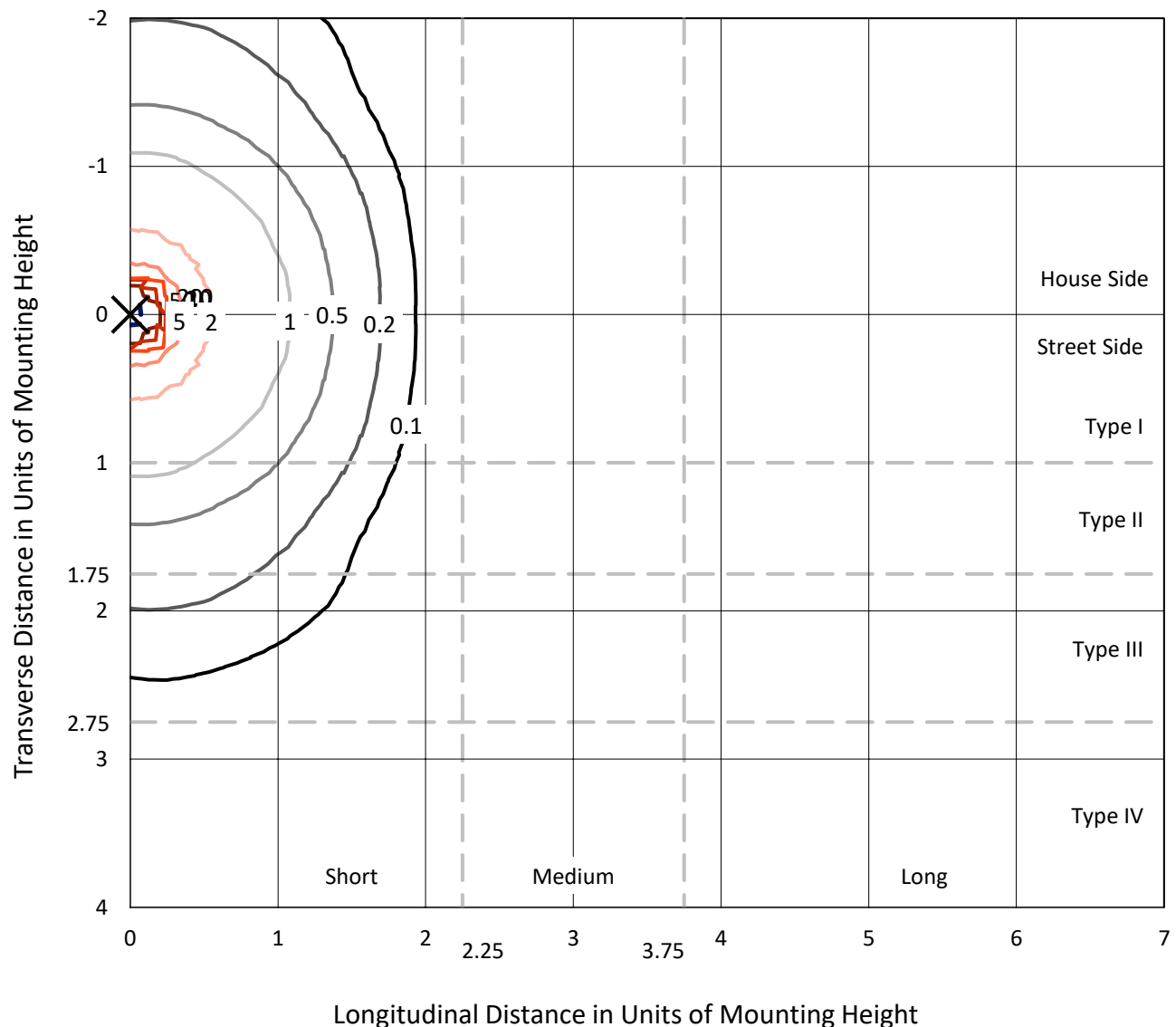


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Iso-Footcandle Lines of Horizontal Illumination

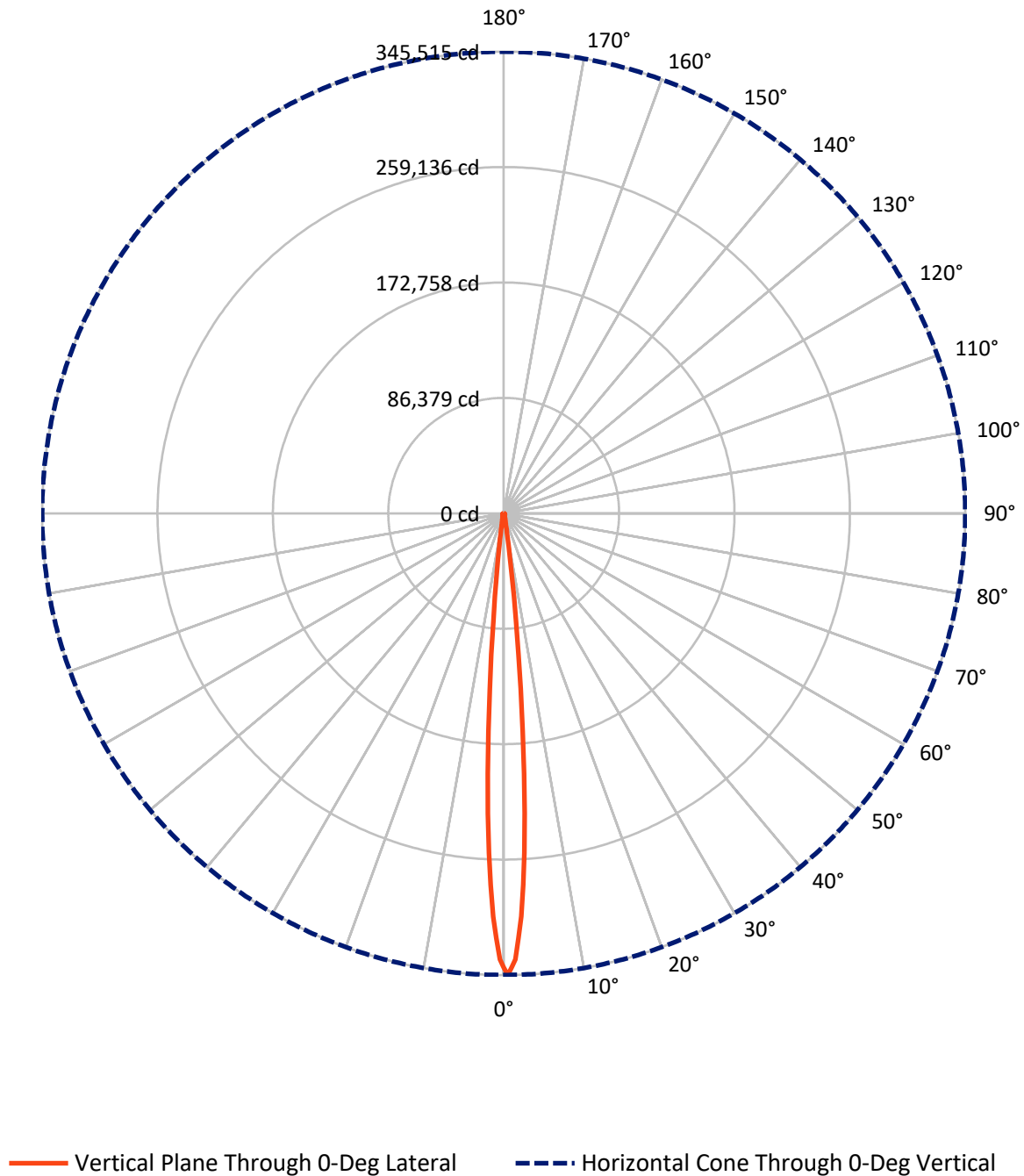
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 863.8 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	7355.1	0.0	7355.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7355.1	0.0	7355.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14710.2	0.0	14710.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9284.7	63.1
10°-20°	1147.5	7.8
20°-30°	687.5	4.7
30°-40°	739.2	5.0
40°-50°	994.0	6.8
50°-60°	886.0	6.0
60°-70°	585.3	4.0
70°-80°	290.2	2.0
80°-90°	95.8	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°	14710.2	100.0
0°-180°	14710.2	100.0



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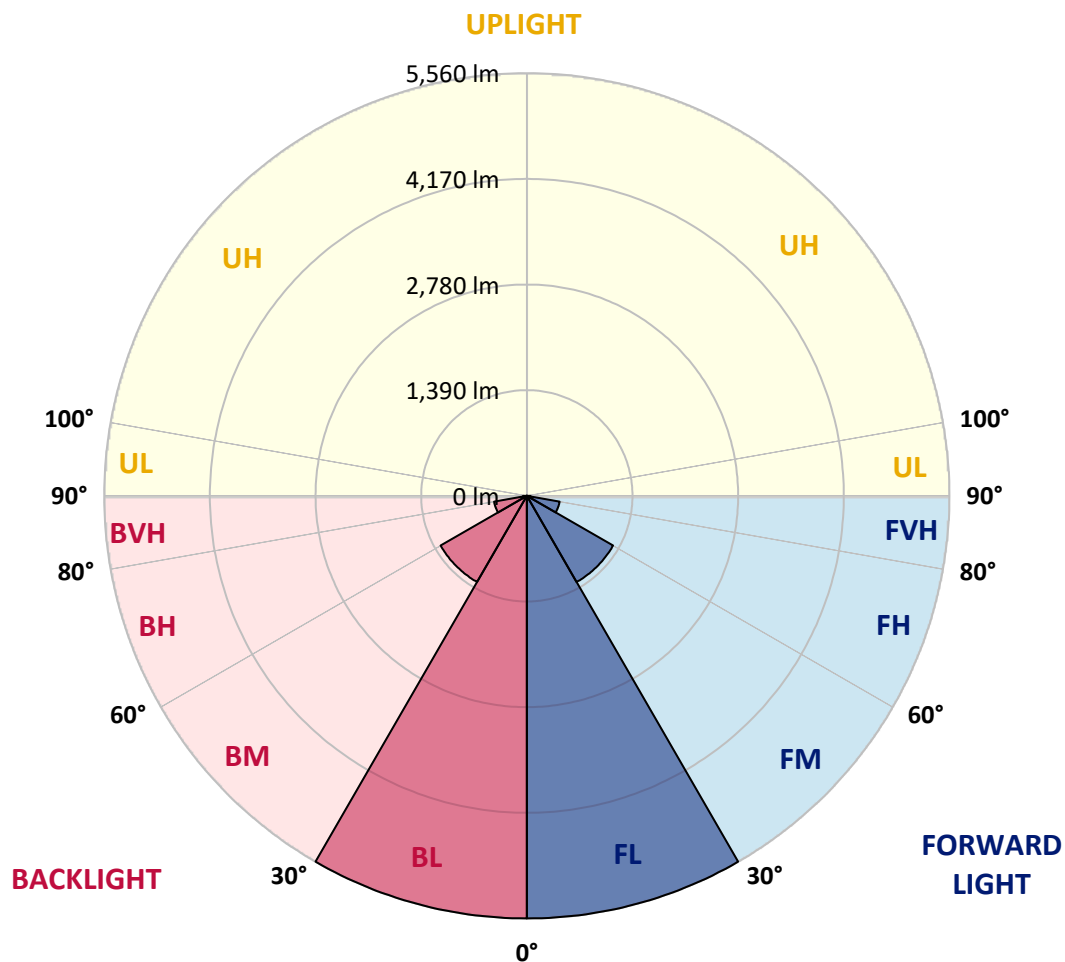
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5559.8	37.8			
FM	(30°-60°)	1309.6	8.9			
FH	(60°-80°)	437.7	3.0			G0/660
FVH	(80°-90°)	47.9	0.3			G1/100
BL	(0°-30°)	5559.8	37.8	B5		
BM	(30°-60°)	1309.6	8.9	B2/2500		
BH	(60°-80°)	437.7	3.0	B1/500		G0/660
BVH	(80°-90°)	47.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	345515.0	345515.0	345515.0	345515.0	345515.0	345515.0	345515.0	345515.0	345515.0	345515.0
1°	333933.9	330506.4	332269.3	333954.3	336317.3	337358.1	338419.2	339212.5	339199.0	340507.6
2°	302041.7	296519.0	299078.6	302218.0	308290.0	310032.6	312944.8	316548.7	316769.0	320030.4
3°	254584.9	246831.3	250601.3	256191.8	266257.5	268861.2	273529.6	276825.0	275353.6	279171.0
4°	195360.4	185243.9	191003.9	199279.5	209077.4	219017.6	219214.3	221577.3	216725.8	216491.9
5°	131803.2	122883.4	130274.2	140624.6	149090.1	156036.8	160315.3	160610.2	155365.5	154887.5
6°	80386.5	74484.0	80915.4	91869.3	103596.2	106484.7	107139.0	105654.1	98775.2	94968.0
7°	44429.4	42022.3	48307.8	54844.2	63987.8	68215.4	65289.6	60543.3	58437.9	53905.1
8°	24501.4	23314.8	25108.3	30756.4	37852.3	40628.9	37804.8	32875.4	29325.8	28071.4
9°	14771.4	14113.7	14846.0	16995.4	20060.2	21985.8	20368.7	17941.3	16442.8	16025.8
10°	9811.4	9553.8	9865.7	10591.2	11693.0	12255.8	11852.4	10889.5	10435.2	10408.1
12.5°	5149.8	5102.3	5180.3	5261.7	5451.5	5482.1	5410.9	5343.1	5238.0	5278.6
15°	3315.7	3271.6	3353.0	3458.1	3505.5	3536.0	3539.4	3502.1	3430.9	3397.0
17.5°	2417.3	2427.4	2434.2	2495.2	2586.8	2658.0	2627.5	2586.8	2505.4	2464.7
20°	1990.1	1993.5	2007.0	2040.9	2071.4	2169.8	2139.3	2078.2	2000.3	1969.7
22.5°	1701.9	1708.7	1715.5	1735.8	1742.6	1769.7	1773.1	1718.9	1674.8	1657.8
25°	1498.5	1498.5	1508.7	1525.6	1532.4	1512.1	1515.4	1491.7	1451.0	1430.7
27.5°	1271.3	1278.1	1288.3	1295.1	1281.5	1257.8	1227.3	1247.6	1227.3	1179.8
30°	1132.3	1139.1	1169.6	1149.3	1118.8	1088.3	1071.3	1098.4	1101.8	1061.2
32.5°	1122.2	1125.6	1135.7	1125.6	1088.3	1051.0	1027.2	1057.8	1064.5	1047.6
35°	1173.0	1162.9	1176.4	1183.2	1145.9	1105.2	1074.7	1101.8	1122.2	1129.0
37.5°	1420.5	1362.9	1318.8	1305.3	1281.5	1254.4	1213.7	1220.5	1257.8	1291.7
40°	1352.7	1339.2	1322.2	1278.1	1234.1	1268.0	1220.5	1206.9	1291.7	1298.5
42.5°	1342.5	1352.7	1339.2	1284.9	1240.8	1274.7	1264.6	1223.9	1308.6	1298.5
45°	1349.3	1359.5	1390.0	1298.5	1261.2	1278.1	1298.5	1254.4	1339.2	1305.3
47.5°	1295.1	1308.6	1342.5	1291.7	1268.0	1264.6	1295.1	1254.4	1298.5	1295.1
50°	1223.9	1237.4	1247.6	1203.5	1247.6	1223.9	1227.3	1210.3	1210.3	1217.1
52.5°	1132.3	1145.9	1156.1	1105.2	1132.3	1142.5	1101.8	1098.4	1067.9	1078.1
55°	1020.5	1040.8	1051.0	1030.6	1017.1	1037.4	979.8	973.0	912.0	915.4
57.5°	891.6	912.0	922.2	945.9	935.7	895.0	861.1	834.0	766.2	739.1
60°	918.8	939.1	918.8	851.0	851.0	759.4	728.9	671.3	603.5	569.6
62.5°	888.2	915.4	912.0	840.8	756.0	640.8	586.5	525.5	457.7	413.6
65°	837.4	864.5	851.0	803.5	722.1	549.2	467.9	406.8	322.1	311.9
67.5°	752.6	793.3	766.2	735.7	671.3	498.4	372.9	305.1	233.9	233.9
70°	623.8	654.3	671.3	637.4	600.1	467.9	318.7	233.9	169.5	128.8
72.5°	501.8	528.9	556.0	539.1	505.1	423.8	284.8	186.5	122.0	74.6
75°	278.0	288.2	298.3	339.0	386.5	345.8	261.1	162.7	101.7	57.6
77.5°	213.6	223.8	247.5	227.1	210.2	267.8	284.8	189.9	88.1	40.7
80°	166.1	179.7	254.3	210.2	179.7	203.4	244.1	166.1	57.6	20.3
82.5°	125.4	135.6	179.7	200.0	189.9	152.6	132.2	111.9	50.9	13.6
85°	91.5	105.1	125.4	111.9	108.5	108.5	145.8	98.3	37.3	10.2
87.5°	54.2	54.2	57.6	54.2	50.9	50.9	57.6	47.5	23.7	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
345515.0
337876.8
317148.7
275089.2
215461.2
152951.6
95300.2
51776.1
26932.2
15459.6
10086.0
5126.1
3342.8
2420.6
1935.8
1637.5
1413.7
1183.2
1047.6
1037.4
1129.0
1322.2
1308.6
1291.7
1295.1
1288.3
1193.4
1061.2
891.6
722.1
542.4
406.8
311.9
206.8
115.3
71.2
50.9
20.3
13.6
10.2
6.8
6.8
0.0

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