

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: P635858

Luminaire Tested: **IFLD-L-SA7A-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635858
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14551.5 lumens
Efficiency: N/A
Efficacy: 66.9 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



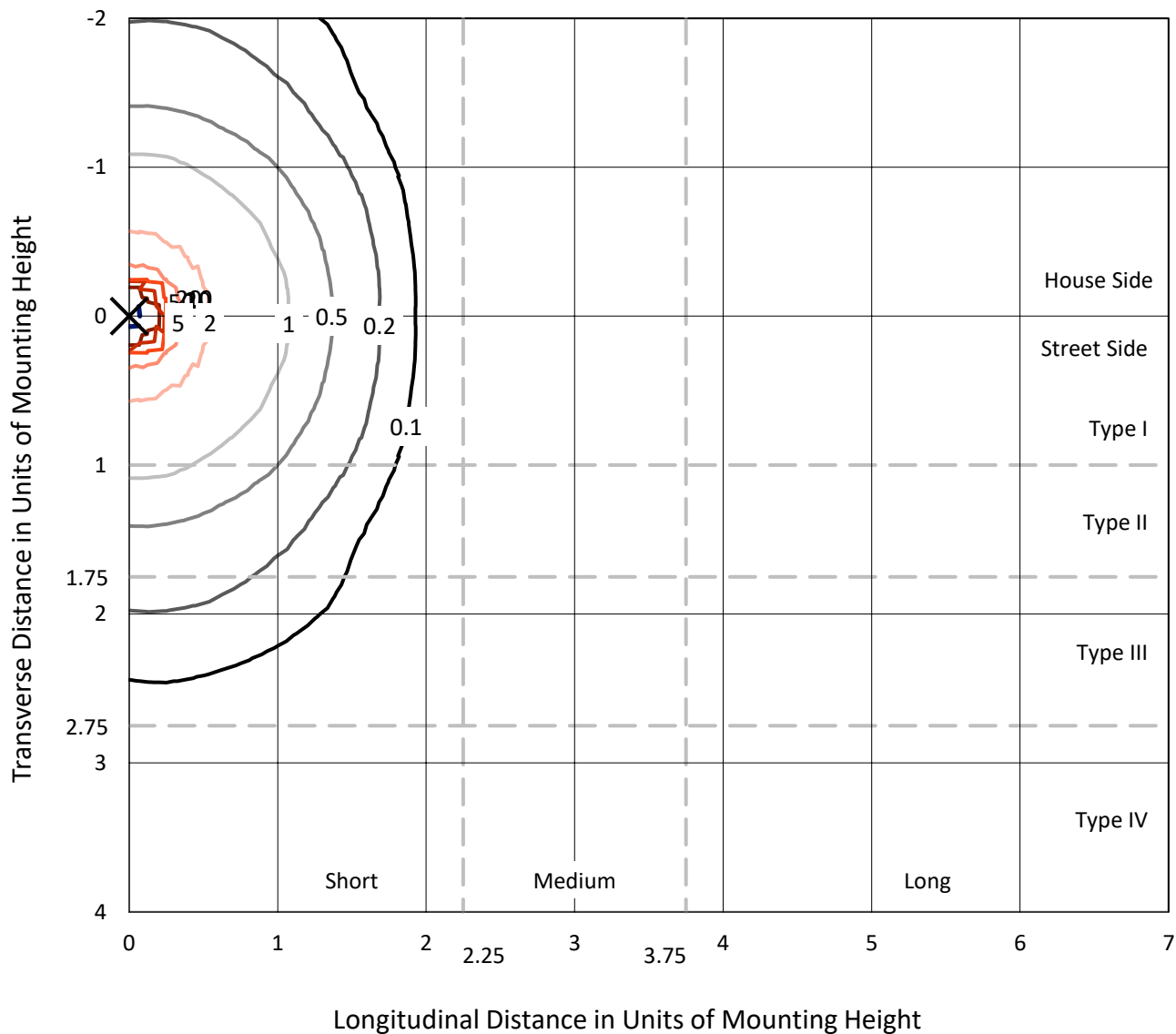
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

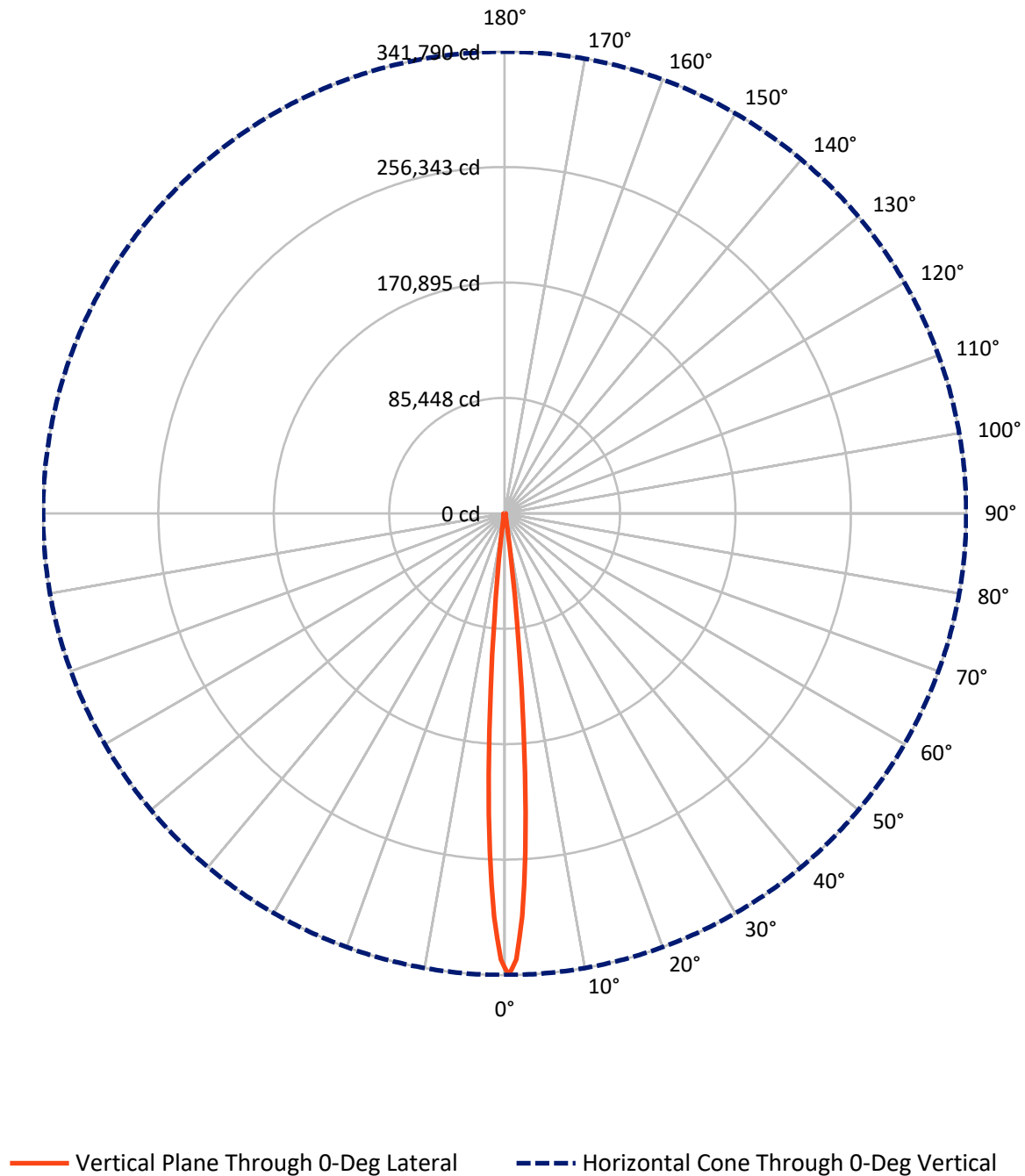
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 854.5 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	7275.8	0.0	7275.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7275.8	0.0	7275.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14551.5	0.0	14551.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9184.6	63.1
10°-20°	1135.1	7.8
20°-30°	680.1	4.7
30°-40°	731.2	5.0
40°-50°	983.2	6.8
50°-60°	876.5	6.0
60°-70°	578.9	4.0
70°-80°	287.0	2.0
80°-90°	94.8	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°	14551.5	100.0
0°-180°	14551.5	100.0

Coefficient of Utilization



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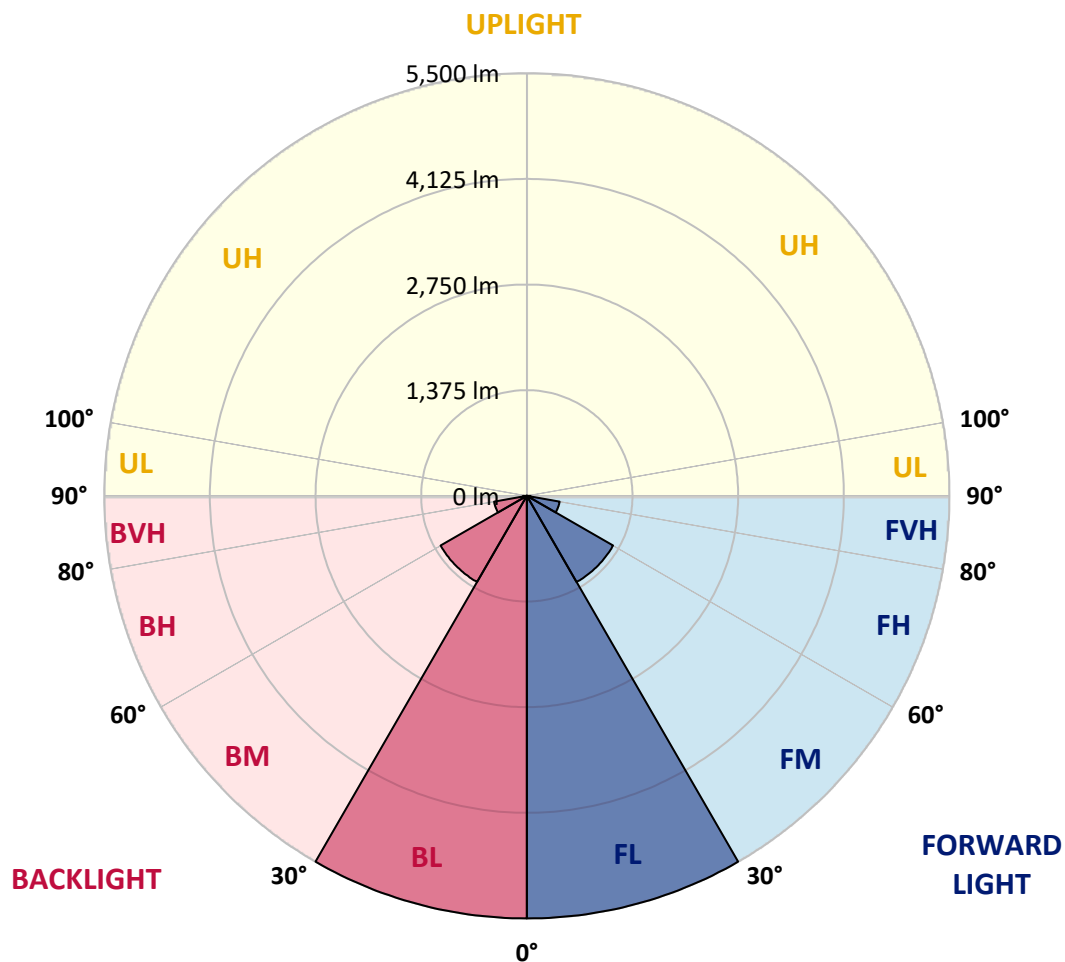
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5499.9	37.8			
FM	(30°-60°)	1295.5	8.9			
FH	(60°-80°)	433.0	3.0			G0/660
FVH	(80°-90°)	47.4	0.3			G1/100
BL	(0°-30°)	5499.9	37.8	B5		
BM	(30°-60°)	1295.5	8.9	B2/2500		
BH	(60°-80°)	433.0	3.0	B1/500		G0/660
BVH	(80°-90°)	47.4	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°	341790.0	341790.0	341790.0	341790.0	341790.0	341790.0	341790.0	341790.0	341790.0	341790.0
1°	330333.7	326943.1	328687.0	330353.8	332691.3	333720.9	334770.6	335555.4	335542.0	336836.5
2°	298785.3	293322.1	295854.2	298959.7	304966.2	306690.0	309570.9	313135.9	313353.9	316580.1
3°	251840.1	244170.2	247899.5	253429.8	263386.9	265962.6	270580.6	273840.4	272384.9	276161.2
4°	193254.2	183246.7	188944.6	197131.0	206823.3	216656.3	216850.9	219188.4	214389.2	214157.8
5°	130382.2	121558.6	128869.6	139108.5	147482.7	154354.5	158586.9	158878.6	153690.4	153217.6
6°	79519.8	73681.0	80043.0	90878.8	102479.3	105336.7	105983.9	104515.0	97710.3	93944.1
7°	43950.4	41569.2	47787.0	54253.0	63297.9	67480.0	64585.7	59890.5	57807.9	53324.0
8°	24237.3	23063.5	24837.6	30424.9	37444.2	40190.9	37397.2	32520.9	29009.6	27768.7
9°	14612.1	13961.5	14685.9	16812.1	19843.9	21748.8	20149.1	17747.8	16265.5	15853.0
10°	9705.6	9450.8	9759.3	10477.0	11566.9	12123.7	11724.6	10772.1	10322.7	10295.9
12.5°	5094.3	5047.3	5124.5	5205.0	5392.8	5422.9	5352.5	5285.4	5181.5	5221.7
15°	3279.9	3236.3	3316.8	3420.8	3467.7	3497.9	3501.3	3464.4	3394.0	3360.4
17.5°	2391.2	2401.3	2408.0	2468.3	2558.9	2629.3	2599.1	2558.9	2478.4	2438.1
20°	1968.6	1972.0	1985.4	2018.9	2049.1	2146.4	2116.2	2055.8	1978.7	1948.5
22.5°	1683.6	1690.3	1697.0	1717.1	1723.8	1750.6	1754.0	1700.3	1656.7	1640.0
25°	1482.3	1482.3	1492.4	1509.2	1515.9	1495.8	1499.1	1475.6	1435.4	1415.3
27.5°	1257.6	1264.3	1274.4	1281.1	1267.7	1244.2	1214.0	1234.2	1214.0	1167.1
30°	1120.1	1126.8	1157.0	1136.9	1106.7	1076.5	1059.8	1086.6	1090.0	1049.7
32.5°	1110.1	1113.4	1123.5	1113.4	1076.5	1039.6	1016.2	1046.4	1053.1	1036.3
35°	1160.4	1150.3	1163.7	1170.4	1133.6	1093.3	1063.1	1090.0	1110.1	1116.8
37.5°	1405.2	1348.2	1304.6	1291.2	1267.7	1240.9	1200.6	1207.3	1244.2	1277.8
40°	1338.1	1324.7	1307.9	1264.3	1220.8	1254.3	1207.3	1193.9	1277.8	1284.5
42.5°	1328.1	1338.1	1324.7	1271.1	1227.5	1261.0	1250.9	1210.7	1294.5	1284.5
45°	1334.8	1344.8	1375.0	1284.5	1247.6	1264.3	1284.5	1240.9	1324.7	1291.2
47.5°	1281.1	1294.5	1328.1	1277.8	1254.3	1250.9	1281.1	1240.9	1284.5	1281.1
50°	1210.7	1224.1	1234.2	1190.6	1234.2	1210.7	1214.0	1197.3	1197.3	1204.0
52.5°	1120.1	1133.6	1143.6	1093.3	1120.1	1130.2	1090.0	1086.6	1056.4	1066.5
55°	1009.5	1029.6	1039.6	1019.5	1006.1	1026.2	969.2	962.5	902.1	905.5
57.5°	882.0	902.1	912.2	935.7	925.6	885.4	851.8	825.0	757.9	731.1
60°	908.9	929.0	908.9	841.8	841.8	751.2	721.0	664.0	597.0	563.4
62.5°	878.7	905.5	902.1	831.7	747.9	633.9	580.2	519.8	452.8	409.2
65°	828.4	855.2	841.8	794.8	714.3	543.3	462.8	402.4	318.6	308.5
67.5°	744.5	784.8	757.9	727.8	664.0	493.0	368.9	301.8	231.4	231.4
70°	617.1	647.3	664.0	630.5	593.6	462.8	315.2	231.4	167.7	127.4
72.5°	496.3	523.2	550.0	533.2	499.7	419.2	281.7	184.5	120.7	73.8
75°	275.0	285.1	295.1	335.4	382.3	342.1	258.2	161.0	100.6	57.0
77.5°	211.3	221.3	244.8	224.7	207.9	264.9	281.7	187.8	87.2	40.2
80°	164.3	177.7	251.5	207.9	177.7	201.2	241.5	164.3	57.0	20.1
82.5°	124.1	134.1	177.7	197.9	187.8	150.9	130.8	110.7	50.3	13.4
85°	90.6	104.0	124.1	110.7	107.3	107.3	144.2	97.3	36.9	10.1
87.5°	53.7	53.7	57.0	53.7	50.3	50.3	57.0	47.0	23.5	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
341790.0
334234.0
313729.5
272123.3
213138.3
151302.6
94272.8
51217.9
26641.9
15292.9
9977.3
5070.8
3306.8
2394.5
1915.0
1619.8
1398.5
1170.4
1036.3
1026.2
1116.8
1307.9
1294.5
1277.8
1281.1
1274.4
1180.5
1049.7
882.0
714.3
536.6
402.4
308.5
204.6
114.0
70.4
50.3
20.1
13.4
10.1
6.7
6.7
0.0

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