

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: P635856

Luminaire Tested: **IFLD-M-SA4D-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635856
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14543.9 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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

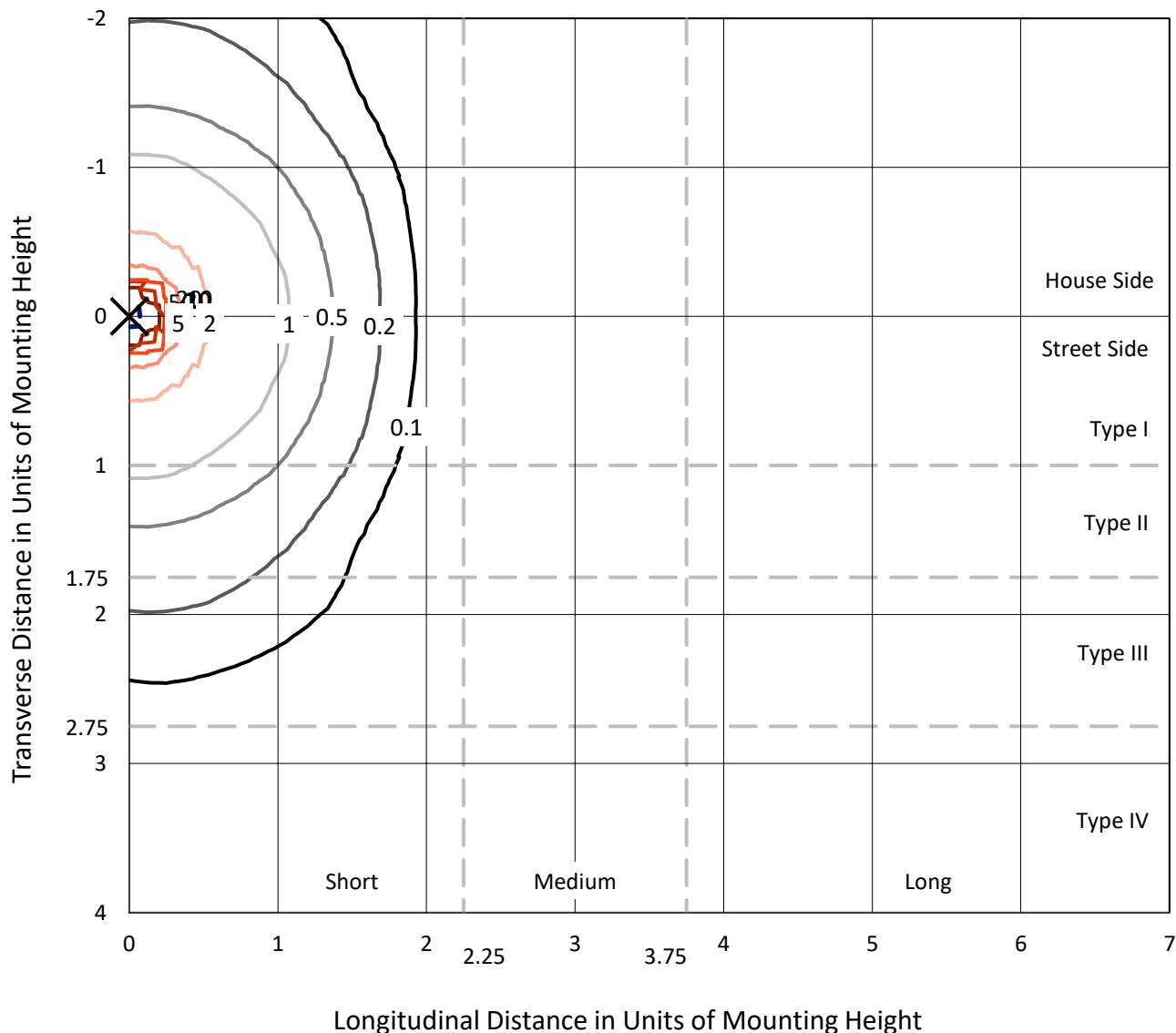


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

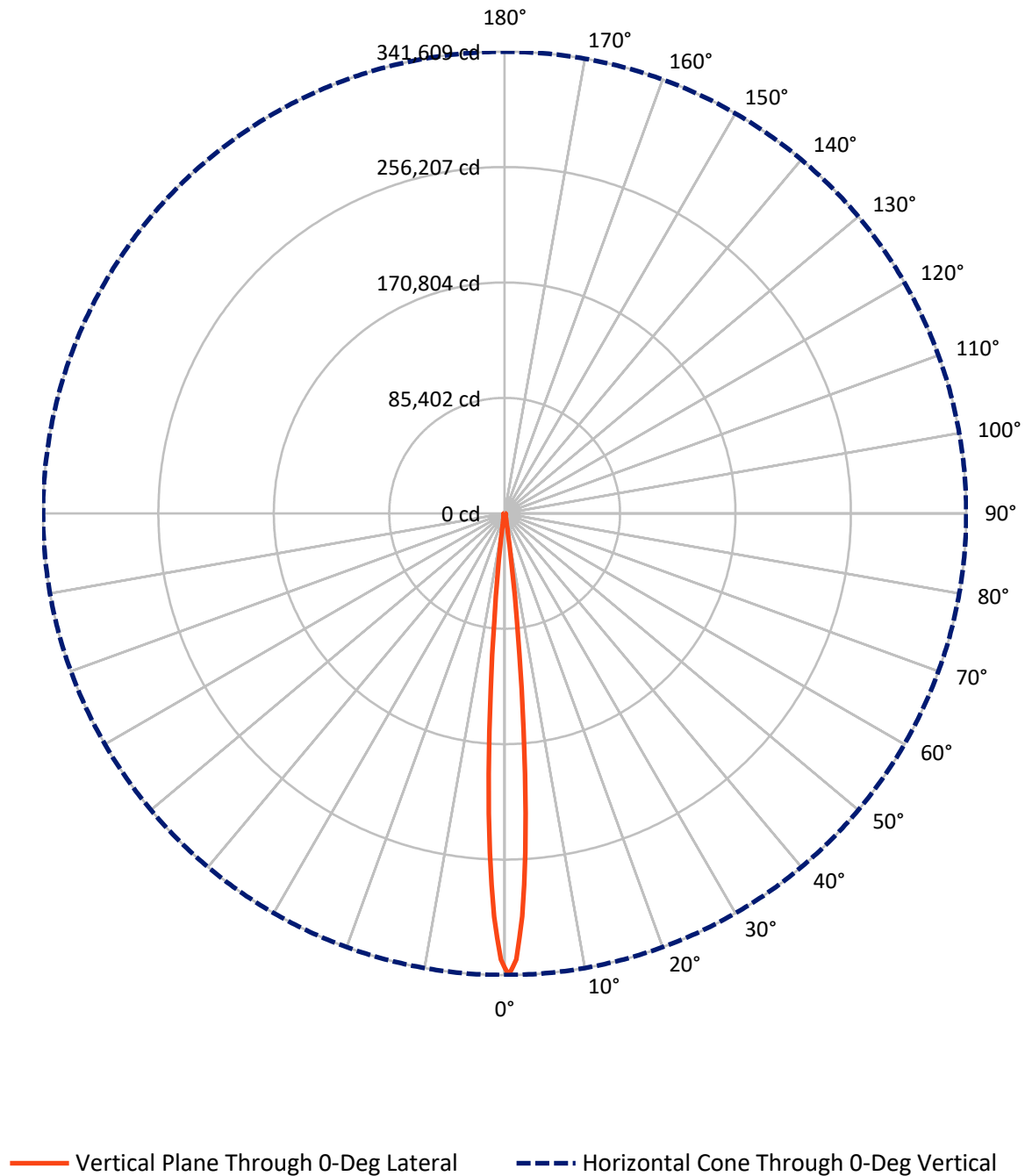
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 854 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	7271.9	0.0	7271.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7271.9	0.0	7271.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14543.9	0.0	14543.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9179.7	63.1
10°-20°	1134.5	7.8
20°-30°	679.7	4.7
30°-40°	730.9	5.0
40°-50°	982.7	6.8
50°-60°	876.0	6.0
60°-70°	578.6	4.0
70°-80°	286.9	2.0
80°-90°	94.7	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°	14543.9	100.0
0°-180°	14543.9	100.0



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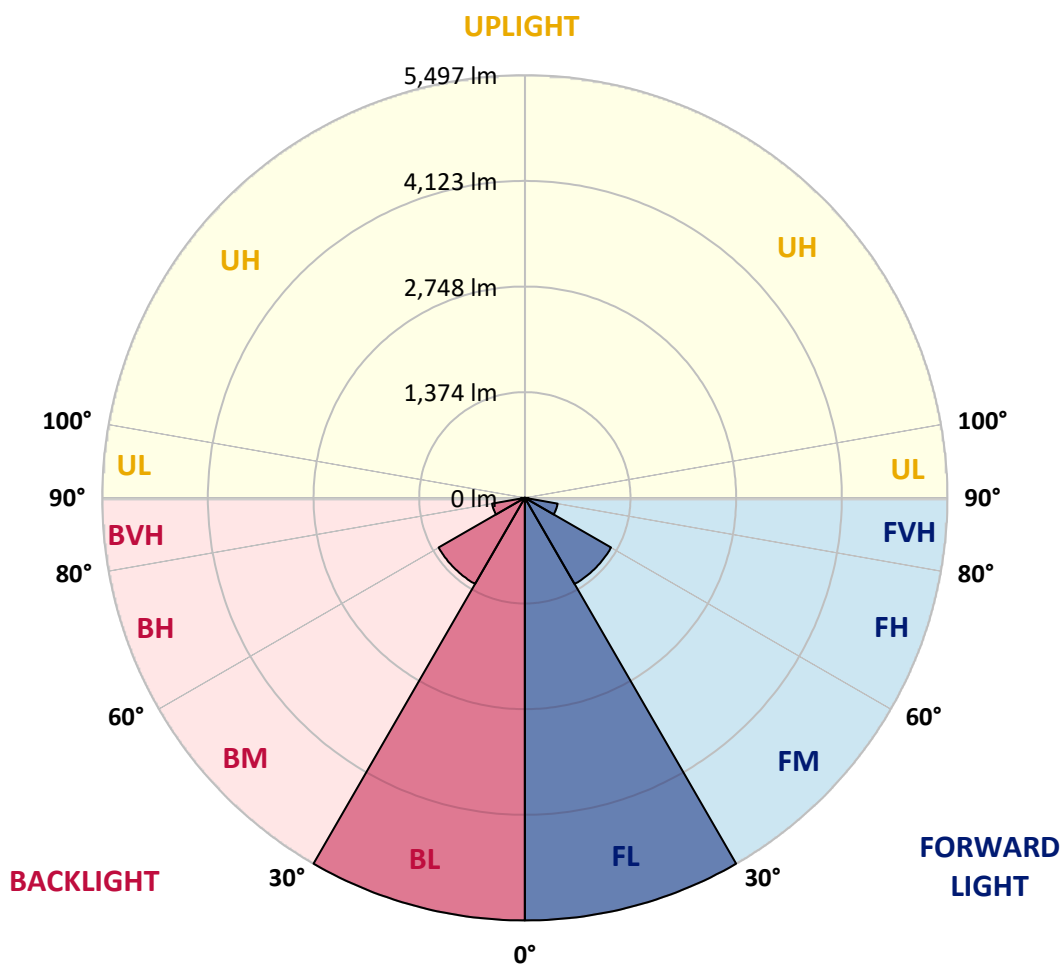
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5497.0	37.8			
FM	(30°-60°)	1294.8	8.9			
FH	(60°-80°)	432.8	3.0			G0/660
FVH	(80°-90°)	47.4	0.3			G1/100
BL	(0°-30°)	5497.0	37.8	B5		
BM	(30°-60°)	1294.8	8.9	B2/2500		
BH	(60°-80°)	432.8	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°	341608.8	341608.8	341608.8	341608.8	341608.8	341608.8	341608.8	341608.8	341608.8	341608.8
1°	330158.6	326769.8	328512.8	330178.7	332515.0	333544.0	334593.2	335377.5	335364.1	336658.0
2°	298626.9	293166.6	295697.3	298801.2	304804.5	306527.4	309406.7	312969.9	313187.7	316412.3
3°	251706.6	244040.7	247768.1	253295.4	263247.3	265821.6	270437.2	273695.3	272240.5	276014.8
4°	193151.7	183149.5	188844.5	197026.5	206713.6	216541.5	216735.9	219072.2	214275.6	214044.3
5°	130313.0	121494.1	128801.3	139034.8	147404.5	154272.7	158502.8	158794.4	153609.0	153136.3
6°	79477.6	73641.9	80000.6	90830.6	102425.0	105280.8	105927.7	104459.6	97658.5	93894.3
7°	43927.1	41547.2	47761.7	54224.2	63264.4	67444.2	64551.5	59858.8	57777.2	53295.7
8°	24224.4	23051.2	24824.4	30408.7	37424.3	40169.5	37377.4	32503.7	28994.2	27754.0
9°	14604.4	13954.1	14678.1	16803.2	19833.4	21737.3	20138.4	17738.4	16256.9	15844.6
10°	9700.5	9445.7	9754.1	10471.4	11560.8	12117.2	11718.4	10766.4	10317.2	10290.4
12.5°	5091.6	5044.7	5121.8	5202.2	5389.9	5420.1	5349.7	5282.6	5178.7	5219.0
15°	3278.2	3234.6	3315.1	3419.0	3465.9	3496.1	3499.4	3462.5	3392.2	3358.6
17.5°	2389.9	2400.0	2406.7	2467.0	2557.5	2627.9	2597.7	2557.5	2477.1	2436.9
20°	1967.6	1970.9	1984.3	2017.9	2048.0	2145.2	2115.1	2054.7	1977.6	1947.5
22.5°	1682.7	1689.4	1696.1	1716.2	1722.9	1749.7	1753.1	1699.4	1655.9	1639.1
25°	1481.6	1481.6	1491.6	1508.4	1515.1	1495.0	1498.3	1474.8	1434.6	1414.5
27.5°	1257.0	1263.7	1273.7	1280.4	1267.0	1243.6	1213.4	1233.5	1213.4	1166.5
30°	1119.5	1126.2	1156.4	1136.3	1106.1	1076.0	1059.2	1086.0	1089.4	1049.2
32.5°	1109.5	1112.8	1122.9	1112.8	1076.0	1039.1	1015.6	1045.8	1052.5	1035.7
35°	1159.8	1149.7	1163.1	1169.8	1133.0	1092.7	1062.6	1089.4	1109.5	1116.2
37.5°	1404.5	1347.5	1303.9	1290.5	1267.0	1240.2	1200.0	1206.7	1243.6	1277.1
40°	1337.4	1324.0	1307.3	1263.7	1220.1	1253.6	1206.7	1193.3	1277.1	1283.8
42.5°	1327.4	1337.4	1324.0	1270.4	1226.8	1260.3	1250.3	1210.0	1293.8	1283.8
45°	1334.1	1344.1	1374.3	1283.8	1246.9	1263.7	1283.8	1240.2	1324.0	1290.5
47.5°	1280.4	1293.8	1327.4	1277.1	1253.6	1250.3	1280.4	1240.2	1283.8	1280.4
50°	1210.0	1223.5	1233.5	1189.9	1233.5	1210.0	1213.4	1196.6	1196.6	1203.3
52.5°	1119.5	1133.0	1143.0	1092.7	1119.5	1129.6	1089.4	1086.0	1055.9	1065.9
55°	1008.9	1029.0	1039.1	1019.0	1005.6	1025.7	968.7	962.0	901.7	905.0
57.5°	881.6	901.7	911.7	935.2	925.1	884.9	851.4	824.6	757.5	730.7
60°	908.4	928.5	908.4	841.3	841.3	750.8	720.7	663.7	596.6	563.1
62.5°	878.2	905.0	901.7	831.3	747.5	633.5	579.9	519.5	452.5	408.9
65°	827.9	854.7	841.3	794.4	714.0	543.0	462.6	402.2	318.4	308.4
67.5°	744.1	784.4	757.5	727.4	663.7	492.7	368.7	301.7	231.3	231.3
70°	616.8	646.9	663.7	630.2	593.3	462.6	315.1	231.3	167.6	127.4
72.5°	496.1	522.9	549.7	533.0	499.4	419.0	281.6	184.4	120.7	73.7
75°	274.9	284.9	295.0	335.2	382.1	341.9	258.1	160.9	100.6	57.0
77.5°	211.2	221.2	244.7	224.6	207.8	264.8	281.6	187.7	87.2	40.2
80°	164.2	177.7	251.4	207.8	177.7	201.1	241.3	164.2	57.0	20.1
82.5°	124.0	134.1	177.7	197.8	187.7	150.8	130.7	110.6	50.3	13.4
85°	90.5	103.9	124.0	110.6	107.3	107.3	144.1	97.2	36.9	10.1
87.5°	53.6	53.6	57.0	53.6	50.3	50.3	57.0	46.9	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°

341608.8

334056.9

313563.1

271979.1

213025.3

151222.4

94222.8

51190.7

26627.7

15284.8

9972.0

5068.1

3305.0

2393.3

1914.0

1619.0

1397.8

1169.8

1035.7

1025.7

1116.2

1307.3

1293.8

1277.1

1280.4

1273.7

1179.9

1049.2

881.6

714.0

536.3

402.2

308.4

204.5

114.0

70.4

50.3

20.1

13.4

10.1

6.7

6.7

0.0

OF REPORT)