

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: FAIL-SAFE

Report Number: P488978

Luminaire Tested: **CLM-24-2-INS-A12125-LD4-4LO-30-120-EDD-90**

Issue Date: 3/11/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P488978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/11/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: CLM-24-2-INS-A12125-LD4-4LO-30-120-EDD-90
Description: 2X2 CLM LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514.1 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

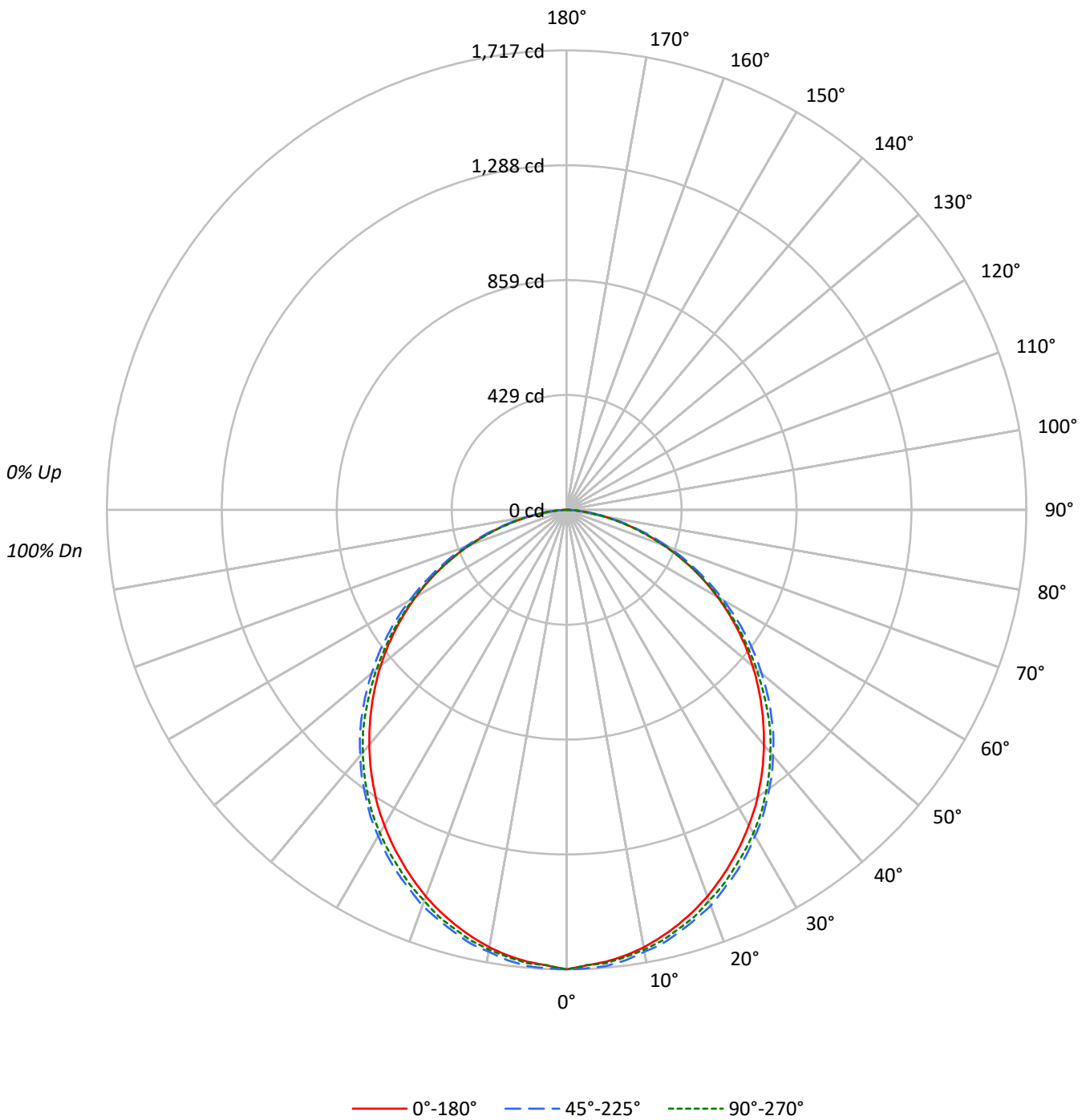
Input Watts (W): 46.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	3.6
10°-20°	458.2	10.2
20°-30°	683.5	15.1
30°-40°	809.9	17.9
40°-50°	819.5	18.2
50°-60°	715.7	15.9
60°-70°	523.0	11.6
70°-80°	278.3	6.2
80°-90°	64.3	1.4
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°-30°	1303.4	28.9
0°-40°	2113.3	46.8
0°-60°	3648.5	80.8
0°-90°	4514.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4514.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1717	1717	1717	1717	1717	
5°	1695	1698	1711	1714	1700	161
15°	1606	1616	1632	1641	1620	453
25°	1454	1472	1496	1502	1479	670
35°	1258	1278	1308	1318	1296	787
45°	1028	1047	1080	1081	1060	793
55°	780	796	816	804	791	697
65°	518	529	538	528	519	513
75°	257	263	269	259	253	274
85°	49	50	52	53	51	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1717.0	1717.0	1717.0	1717.0	1717.0
2.5°	1703.6	1709.1	1714.9	1717.4	1703.4
5°	1694.6	1697.9	1710.6	1714.5	1700.0
7.5°	1680.0	1684.8	1697.1	1698.9	1685.0
10°	1659.9	1668.5	1676.8	1685.7	1668.7
12.5°	1634.4	1646.0	1659.9	1661.5	1648.7
15°	1605.6	1616.3	1631.5	1641.3	1620.0
17.5°	1573.4	1583.7	1603.4	1605.2	1592.3
20°	1537.4	1550.3	1573.9	1578.0	1554.9
22.5°	1496.6	1514.0	1533.6	1537.6	1520.6
25°	1453.9	1471.7	1496.1	1501.6	1478.9
27.5°	1409.1	1426.3	1453.7	1457.6	1438.5
30°	1361.2	1377.3	1407.3	1414.0	1394.5
32.5°	1312.5	1328.6	1361.9	1367.4	1348.5
35°	1258.5	1278.2	1308.4	1317.5	1296.2
37.5°	1203.4	1222.5	1256.9	1265.1	1242.2
40°	1146.3	1165.3	1199.1	1205.9	1183.9
42.5°	1088.0	1107.0	1143.1	1144.2	1125.9
45°	1028.4	1046.7	1080.3	1081.2	1059.9
47.5°	968.0	986.4	1016.5	1013.1	993.0
50°	906.8	924.3	950.6	943.8	925.8
52.5°	843.5	860.5	885.3	874.2	857.2
55°	779.8	795.5	816.3	804.5	791.2
57.5°	715.6	731.5	747.4	735.4	724.0
60°	650.8	664.8	677.8	665.7	656.9
62.5°	585.0	597.0	608.2	596.6	588.4
65°	518.4	529.0	538.3	527.6	518.8
67.5°	452.2	461.2	469.8	458.7	449.6
70°	386.0	393.7	401.6	390.2	381.8
72.5°	320.8	327.6	334.5	323.4	316.1
75°	257.2	263.1	268.9	259.0	253.3
77.5°	196.6	201.6	205.5	199.3	193.7
80°	140.3	144.0	146.3	143.8	138.6
82.5°	90.2	92.8	94.1	93.9	90.5
85°	49.0	49.9	52.2	52.8	51.0
87.5°	19.0	20.2	20.8	22.4	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)