

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: P489948

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90**

Issue Date: 3/12/2021

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: P489948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

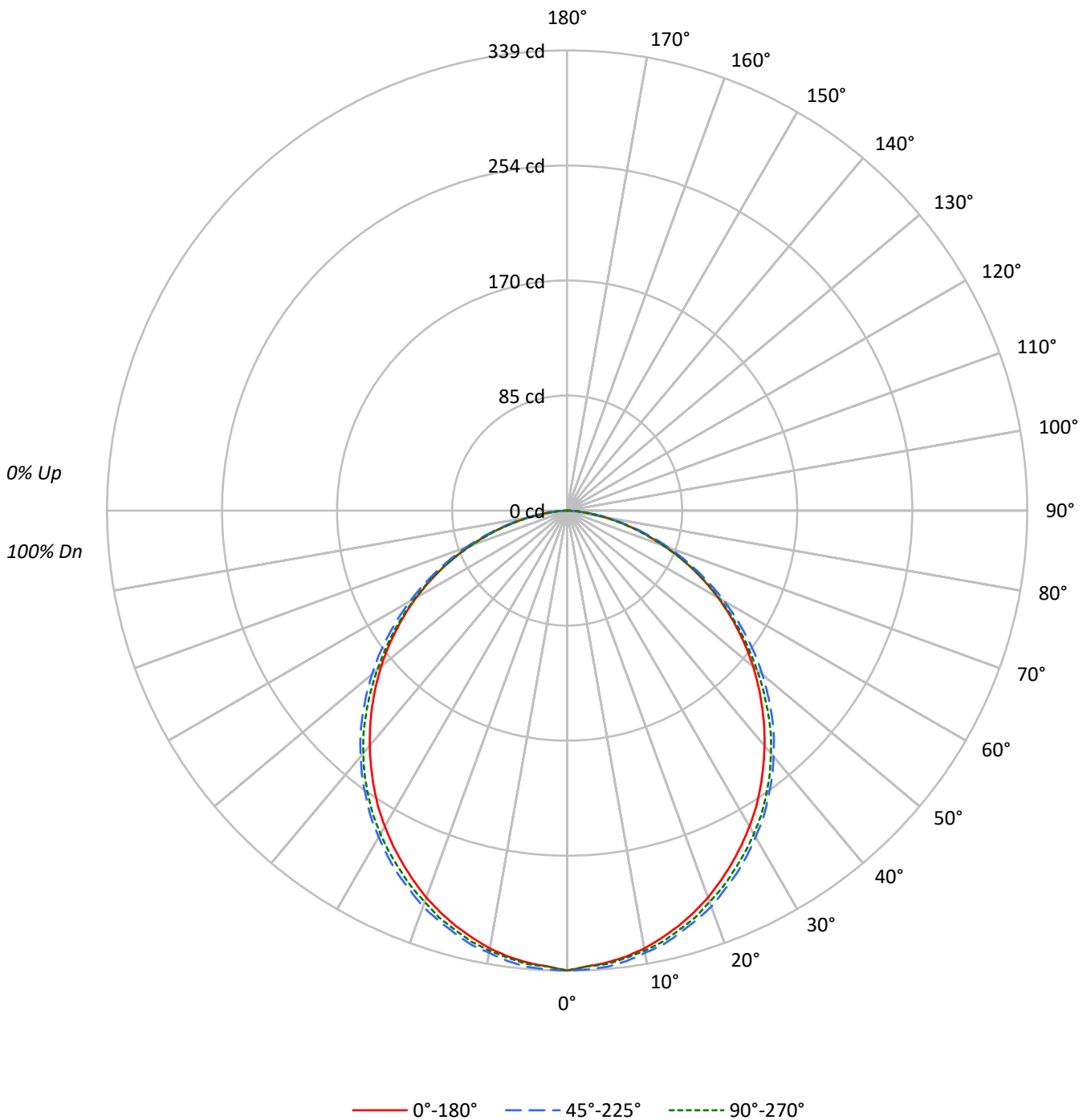
Lumens per Lamp: N/A
Luminaire Lumens: 890.6 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

TEST NUMBER: P489948

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P489948

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1823	1823	1823
5°	1806	1823	1812
10°	1790	1808	1799
15°	1765	1794	1781
20°	1737	1778	1757
25°	1703	1753	1733
30°	1669	1726	1710
35°	1631	1696	1680
40°	1589	1662	1641
45°	1544	1622	1592
50°	1498	1571	1529
55°	1443	1511	1465
60°	1382	1439	1395
65°	1303	1352	1304
70°	1199	1246	1185
75°	1056	1102	1040
80°	859	896	849
85°	599	636	624



TEST NUMBER: P489948

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	3.6
10°-20°	90.4	10.2
20°-30°	134.8	15.1
30°-40°	159.8	17.9
40°-50°	161.7	18.2
50°-60°	141.2	15.9
60°-70°	103.2	11.6
70°-80°	54.9	6.2
80°-90°	12.7	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°	257.2	28.9
0°-40°	416.9	46.8
0°-60°	719.8	80.8
0°-90°	890.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	339	339	339	339	339	
5°	334	335	338	338	335	32
15°	317	319	322	324	320	89
25°	287	290	295	296	292	132
35°	248	252	258	260	256	155
45°	203	206	213	213	209	157
55°	154	157	161	159	156	138
65°	102	104	106	104	102	101
75°	51	52	53	51	50	54
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



TEST NUMBER: P489948

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-27-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	338.8	338.8	338.8	338.8	338.8
2.5°	336.1	337.2	338.3	338.8	336.1
5°	334.3	335.0	337.5	338.3	335.4
7.5°	331.4	332.4	334.8	335.2	332.4
10°	327.5	329.2	330.8	332.6	329.2
12.5°	322.4	324.7	327.5	327.8	325.3
15°	316.8	318.9	321.9	323.8	319.6
17.5°	310.4	312.5	316.3	316.7	314.2
20°	303.3	305.9	310.5	311.3	306.8
22.5°	295.3	298.7	302.6	303.4	300.0
25°	286.8	290.4	295.2	296.3	291.8
27.5°	278.0	281.4	286.8	287.6	283.8
30°	268.6	271.7	277.7	279.0	275.1
32.5°	259.0	262.1	268.7	269.8	266.0
35°	248.3	252.2	258.1	259.9	255.7
37.5°	237.4	241.2	248.0	249.6	245.1
40°	226.2	229.9	236.6	237.9	233.6
42.5°	214.7	218.4	225.5	225.7	222.1
45°	202.9	206.5	213.1	213.3	209.1
47.5°	191.0	194.6	200.5	199.9	195.9
50°	178.9	182.4	187.6	186.2	182.6
52.5°	166.4	169.8	174.7	172.5	169.1
55°	153.8	157.0	161.0	158.7	156.1
57.5°	141.2	144.3	147.5	145.1	142.8
60°	128.4	131.2	133.7	131.3	129.6
62.5°	115.4	117.8	120.0	117.7	116.1
65°	102.3	104.4	106.2	104.1	102.4
67.5°	89.2	91.0	92.7	90.5	88.7
70°	76.2	77.7	79.2	77.0	75.3
72.5°	63.3	64.6	66.0	63.8	62.4
75°	50.8	51.9	53.0	51.1	50.0
77.5°	38.8	39.8	40.6	39.3	38.2
80°	27.7	28.4	28.9	28.4	27.4
82.5°	17.8	18.3	18.6	18.5	17.9
85°	9.7	9.8	10.3	10.4	10.1
87.5°	3.7	4.0	4.1	4.4	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)