

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: P489949

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

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: P489949
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
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

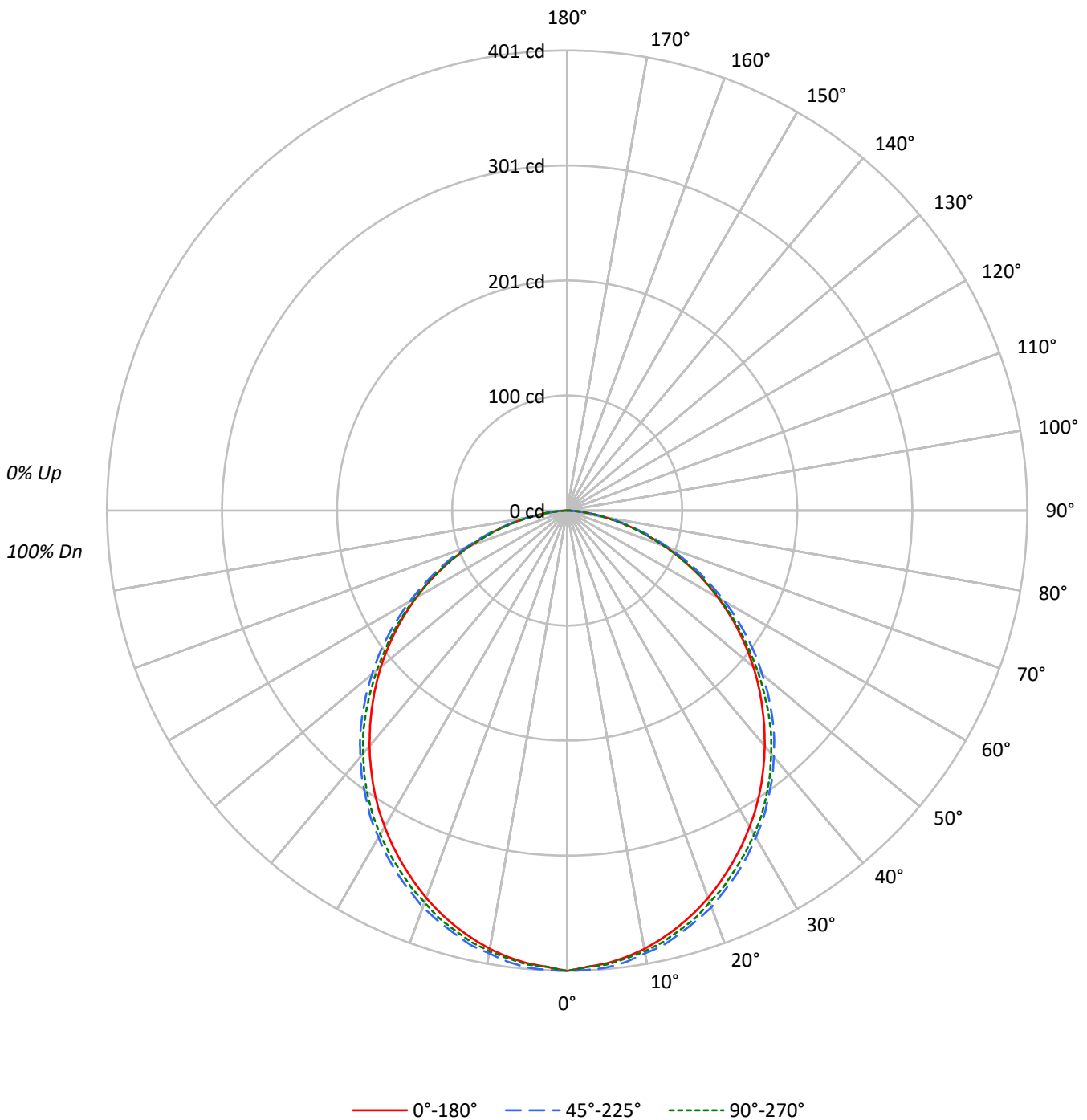
Lumens per Lamp: N/A
Luminaire Lumens: 1054.8 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P489949

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

Luminous Intensity Polar Plot





TEST NUMBER: P489949

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

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°	2159	2159	2159
5°	2139	2159	2146
10°	2120	2141	2131
15°	2091	2124	2109
20°	2057	2107	2081
25°	2017	2076	2052
30°	1977	2044	2025
35°	1932	2008	1990
40°	1882	1969	1943
45°	1829	1921	1885
50°	1774	1860	1811
55°	1710	1789	1735
60°	1637	1705	1652
65°	1542	1602	1543
70°	1419	1476	1404
75°	1250	1306	1231
80°	1017	1060	1004
85°	710	753	735



TEST NUMBER: P489949

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	3.6
10°-20°	107.1	10.2
20°-30°	159.7	15.1
30°-40°	189.3	17.9
40°-50°	191.5	18.2
50°-60°	167.2	15.9
60°-70°	122.2	11.6
70°-80°	65.0	6.2
80°-90°	15.0	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°	304.6	28.9
0°-40°	493.8	46.8
0°-60°	852.5	80.8
0°-90°	1054.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	401	401	401	401	401	
5°	396	397	400	401	397	38
15°	375	378	381	384	379	106
25°	340	344	350	351	346	157
35°	294	299	306	308	303	184
45°	240	245	252	253	248	185
55°	182	186	191	188	185	163
65°	121	124	126	123	121	120
75°	60	62	63	60	59	64
85°	12	12	12	12	12	15
90°	0	0	0	0	0	



TEST NUMBER: P489949

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	401.2	401.2	401.2	401.2	401.2
2.5°	398.1	399.4	400.7	401.3	398.0
5°	396.0	396.7	399.7	400.6	397.2
7.5°	392.6	393.7	396.6	397.0	393.7
10°	387.9	389.9	391.8	393.9	389.9
12.5°	381.9	384.6	387.9	388.2	385.2
15°	375.2	377.7	381.2	383.5	378.6
17.5°	367.6	370.1	374.7	375.1	372.1
20°	359.2	362.2	367.8	368.7	363.3
22.5°	349.7	353.8	358.4	359.3	355.3
25°	339.7	343.9	349.6	350.9	345.6
27.5°	329.3	333.3	339.7	340.6	336.1
30°	318.1	321.8	328.9	330.4	325.8
32.5°	306.7	310.5	318.2	319.5	315.1
35°	294.1	298.7	305.7	307.9	302.9
37.5°	281.2	285.7	293.7	295.6	290.3
40°	267.9	272.3	280.2	281.8	276.6
42.5°	254.2	258.7	267.1	267.4	263.1
45°	240.3	244.6	252.4	252.6	247.7
47.5°	226.2	230.5	237.5	236.7	232.0
50°	211.9	216.0	222.1	220.5	216.3
52.5°	197.1	201.1	206.9	204.3	200.3
55°	182.2	185.9	190.7	188.0	184.9
57.5°	167.2	170.9	174.6	171.8	169.2
60°	152.1	155.3	158.4	155.5	153.5
62.5°	136.7	139.5	142.1	139.4	137.5
65°	121.1	123.6	125.8	123.3	121.2
67.5°	105.7	107.8	109.8	107.2	105.0
70°	90.2	92.0	93.8	91.2	89.2
72.5°	74.9	76.5	78.2	75.6	73.9
75°	60.1	61.5	62.8	60.5	59.2
77.5°	45.9	47.1	48.0	46.6	45.3
80°	32.8	33.7	34.2	33.6	32.4
82.5°	21.1	21.7	22.0	21.9	21.2
85°	11.5	11.7	12.2	12.3	11.9
87.5°	4.4	4.7	4.8	5.2	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)