

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: P489951

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-30-120-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: P489951
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-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

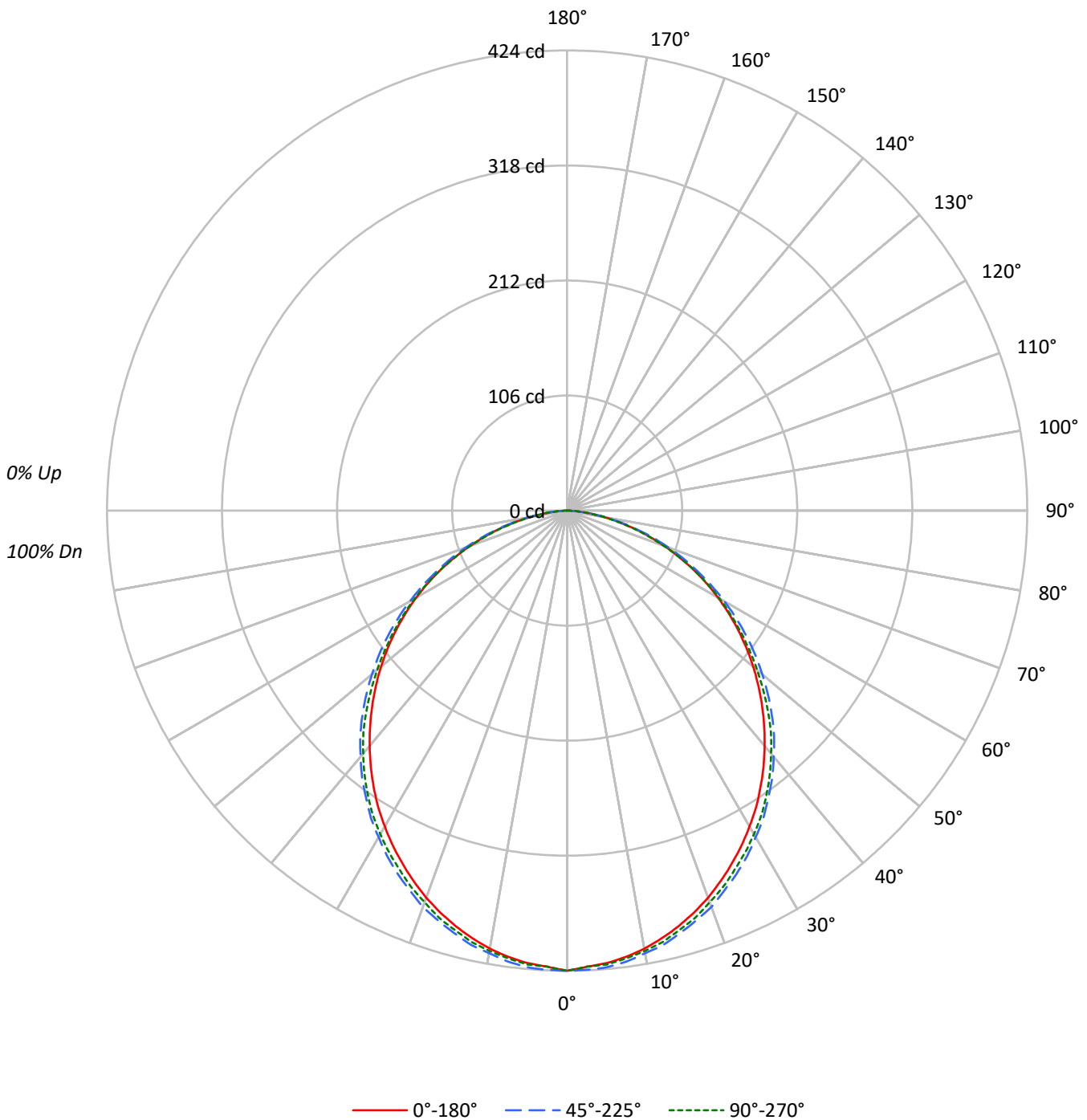
Lumens per Lamp: N/A
Luminaire Lumens: 1114.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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: P489951

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-30-120-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P489951

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-30-120-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°	2282	2282	2282
5°	2261	2282	2268
10°	2240	2263	2252
15°	2209	2245	2229
20°	2174	2226	2199
25°	2132	2194	2169
30°	2089	2160	2140
35°	2042	2123	2103
40°	1989	2080	2054
45°	1933	2031	1992
50°	1875	1965	1914
55°	1807	1892	1833
60°	1730	1802	1746
65°	1630	1692	1631
70°	1500	1561	1484
75°	1320	1381	1302
80°	1072	1119	1060
85°	747	797	778



TEST NUMBER: P489951

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-30-120-EDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	3.6
10°-20°	113.2	10.2
20°-30°	168.8	15.1
30°-40°	200.0	17.9
40°-50°	202.4	18.2
50°-60°	176.7	15.9
60°-70°	129.2	11.6
70°-80°	68.7	6.2
80°-90°	15.9	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°	321.9	28.9
0°-40°	521.9	46.8
0°-60°	901.0	80.8
0°-90°	1114.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	418	419	422	423	420	40
15°	396	399	403	405	400	112
25°	359	363	369	371	365	165
35°	311	316	323	325	320	194
45°	254	258	267	267	262	196
55°	193	196	202	199	195	172
65°	128	131	133	130	128	127
75°	64	65	66	64	63	68
85°	12	12	13	13	13	15
90°	0	0	0	0	0	



TEST NUMBER: P489951

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-30-120-EDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	424.0	424.0	424.0	424.0	424.0
2.5°	420.7	422.0	423.5	424.1	420.6
5°	418.5	419.3	422.4	423.4	419.8
7.5°	414.8	416.0	419.1	419.5	416.1
10°	409.9	412.0	414.1	416.3	412.1
12.5°	403.6	406.5	409.9	410.3	407.1
15°	396.5	399.1	402.9	405.3	400.0
17.5°	388.5	391.1	395.9	396.4	393.2
20°	379.6	382.8	388.7	389.7	384.0
22.5°	369.6	373.9	378.7	379.7	375.5
25°	359.0	363.4	369.4	370.8	365.2
27.5°	348.0	352.2	359.0	359.9	355.2
30°	336.1	340.1	347.5	349.2	344.3
32.5°	324.1	328.1	336.3	337.7	333.0
35°	310.8	315.6	323.1	325.3	320.1
37.5°	297.2	301.9	310.4	312.4	306.8
40°	283.1	287.8	296.1	297.8	292.4
42.5°	268.7	273.4	282.3	282.5	278.0
45°	254.0	258.5	266.8	267.0	261.7
47.5°	239.0	243.6	251.0	250.2	245.2
50°	223.9	228.3	234.7	233.1	228.6
52.5°	208.3	212.5	218.6	215.9	211.7
55°	192.6	196.4	201.6	198.7	195.4
57.5°	176.7	180.6	184.6	181.6	178.8
60°	160.7	164.2	167.4	164.4	162.2
62.5°	144.5	147.4	150.2	147.3	145.3
65°	128.0	130.6	132.9	130.3	128.1
67.5°	111.7	113.9	116.0	113.3	111.0
70°	95.3	97.2	99.2	96.3	94.3
72.5°	79.2	80.9	82.6	79.9	78.1
75°	63.5	65.0	66.4	64.0	62.6
77.5°	48.5	49.8	50.8	49.2	47.8
80°	34.6	35.6	36.1	35.5	34.2
82.5°	22.3	22.9	23.2	23.2	22.4
85°	12.1	12.3	12.9	13.0	12.6
87.5°	4.7	5.0	5.1	5.5	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)