

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: P488319

Luminaire Tested: **CLM-12-2-INS-A12125-LD4-1HI-30-120-EDD**

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: P488319
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-12-2-INS-A12125-LD4-1HI-30-120-EDD
Description: 1X2 CLM LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

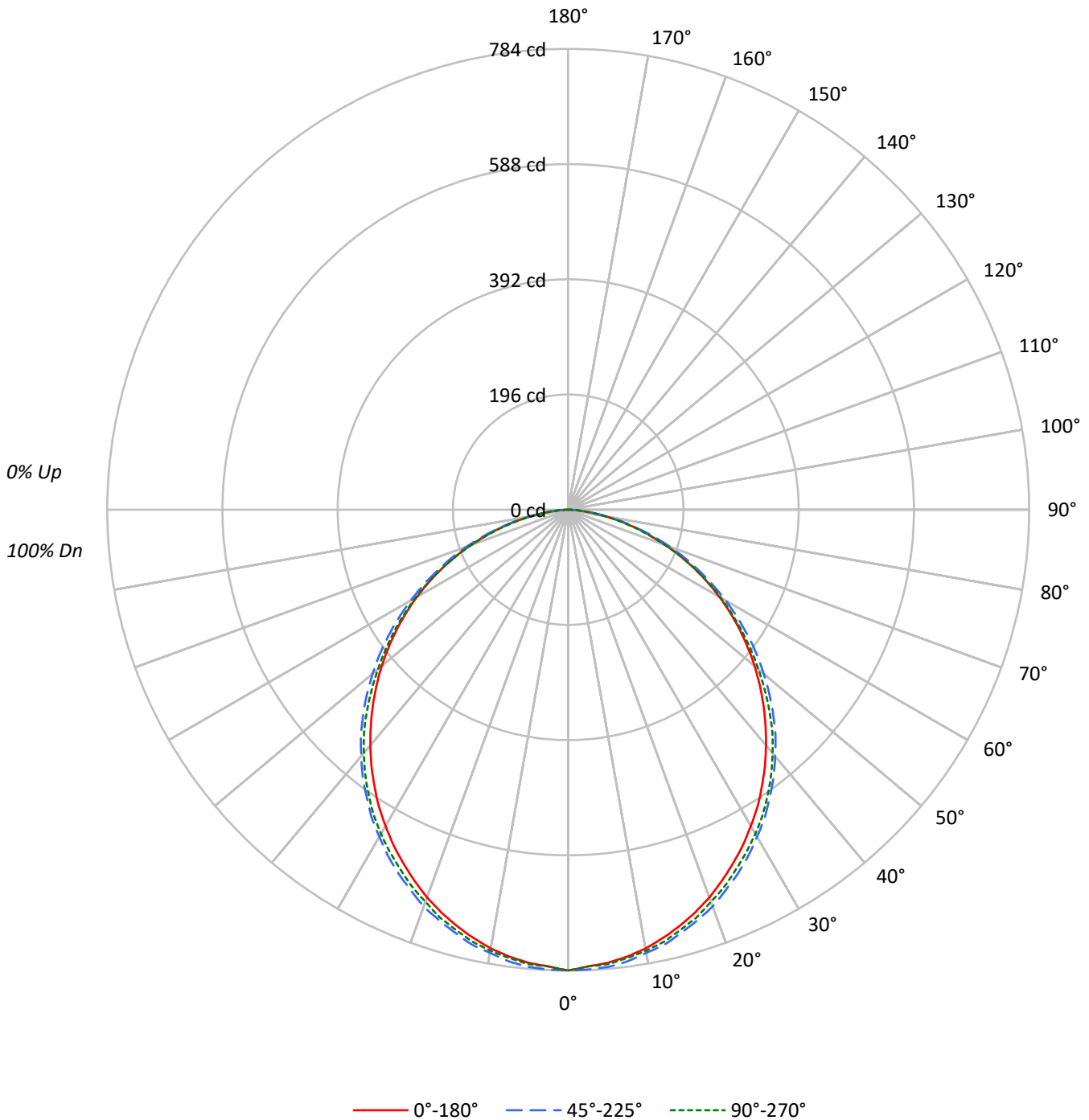
Lumens per Lamp: N/A
Luminaire Lumens: 2060.8 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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: P488319

CATALOG NUMBER: CLM-12-2-INS-A12125-LD4-1HI-30-120-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P488319

CATALOG NUMBER: CLM-12-2-INS-A12125-LD4-1HI-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°	4219	4219	4219
5°	4179	4219	4193
10°	4141	4183	4163
15°	4084	4150	4121
20°	4020	4115	4066
25°	3941	4056	4010
30°	3862	3993	3956
35°	3775	3924	3888
40°	3677	3846	3797
45°	3573	3754	3683
50°	3466	3634	3538
55°	3340	3497	3389
60°	3198	3330	3228
65°	3014	3129	3016
70°	2773	2884	2743
75°	2441	2551	2404
80°	1984	2070	1962
85°	1383	1470	1439



TEST NUMBER: P488319

CATALOG NUMBER: CLM-12-2-INS-A12125-LD4-1HI-30-120-EDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	3.6
10°-20°	209.2	10.2
20°-30°	312.0	15.1
30°-40°	369.7	17.9
40°-50°	374.1	18.2
50°-60°	326.7	15.9
60°-70°	238.8	11.6
70°-80°	127.0	6.2
80°-90°	29.4	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°	595.0	28.9
0°-40°	964.8	46.8
0°-60°	1665.6	80.8
0°-90°	2060.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	774	775	781	783	776	73
15°	733	738	745	749	740	207
25°	664	672	683	686	675	306
35°	574	584	597	602	592	359
45°	470	478	493	494	484	362
55°	356	363	373	367	361	318
65°	237	242	246	241	237	234
75°	117	120	123	118	116	125
85°	22	23	24	24	23	28
90°	0	0	0	0	0	



TEST NUMBER: P488319

CATALOG NUMBER: CLM-12-2-INS-A12125-LD4-1HI-30-120-EDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.9	783.9	783.9	783.9	783.9
2.5°	777.7	780.3	782.9	784.0	777.6
5°	773.6	775.1	780.9	782.7	776.1
7.5°	766.9	769.2	774.8	775.6	769.2
10°	757.8	761.7	765.5	769.6	761.8
12.5°	746.1	751.4	757.8	758.5	752.7
15°	733.0	737.9	744.8	749.3	739.6
17.5°	718.3	723.0	732.0	732.8	726.9
20°	701.9	707.7	718.5	720.4	709.9
22.5°	683.2	691.2	700.1	701.9	694.2
25°	663.7	671.9	683.0	685.5	675.2
27.5°	643.3	651.1	663.6	665.4	656.7
30°	621.4	628.8	642.5	645.5	636.6
32.5°	599.2	606.6	621.7	624.3	615.6
35°	574.5	583.5	597.3	601.5	591.8
37.5°	549.4	558.1	573.8	577.6	567.1
40°	523.3	532.0	547.4	550.5	540.5
42.5°	496.7	505.4	521.9	522.4	514.0
45°	469.5	477.8	493.2	493.6	483.9
47.5°	441.9	450.3	464.0	462.5	453.3
50°	414.0	422.0	434.0	430.9	422.6
52.5°	385.1	392.8	404.2	399.1	391.4
55°	356.0	363.2	372.7	367.3	361.2
57.5°	326.7	333.9	341.2	335.7	330.5
60°	297.1	303.5	309.4	303.9	299.9
62.5°	267.1	272.5	277.7	272.4	268.6
65°	236.7	241.5	245.7	240.8	236.8
67.5°	206.5	210.5	214.5	209.4	205.2
70°	176.2	179.8	183.3	178.1	174.3
72.5°	146.4	149.5	152.7	147.7	144.3
75°	117.4	120.1	122.7	118.3	115.6
77.5°	89.8	92.0	93.8	91.0	88.4
80°	64.0	65.7	66.8	65.7	63.3
82.5°	41.2	42.4	43.0	42.9	41.3
85°	22.4	22.8	23.8	24.1	23.3
87.5°	8.7	9.2	9.5	10.2	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)