

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: P489992

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-50-120-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: P489992
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-LD4-2LO-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

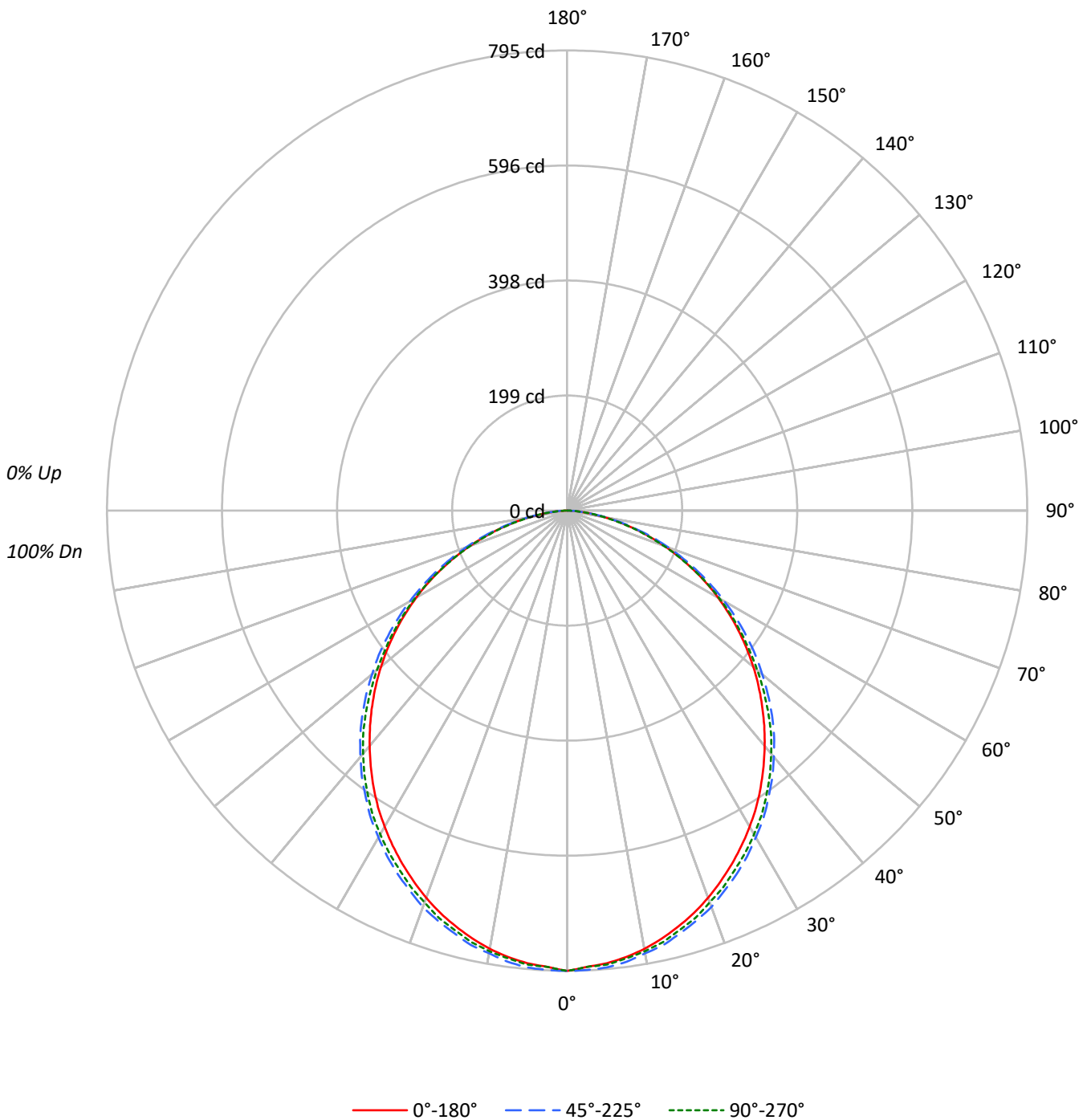
Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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: P489992

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-50-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P489992

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-50-120-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°	4280	4280	4280
5°	4241	4281	4254
10°	4202	4245	4224
15°	4144	4211	4181
20°	4078	4175	4125
25°	3999	4115	4068
30°	3918	4051	4014
35°	3830	3982	3945
40°	3731	3902	3853
45°	3626	3809	3737
50°	3517	3687	3590
55°	3389	3548	3439
60°	3245	3380	3275
65°	3058	3175	3060
70°	2814	2927	2782
75°	2479	2589	2439
80°	2015	2101	1990
85°	1402	1494	1457



TEST NUMBER: P489992

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-50-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	3.6
10°-20°	212.3	10.2
20°-30°	316.6	15.1
30°-40°	375.2	17.9
40°-50°	379.6	18.2
50°-60°	331.5	15.9
60°-70°	242.3	11.6
70°-80°	128.9	6.2
80°-90°	29.8	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°	603.8	28.9
0°-40°	978.9	46.8
0°-60°	1690.0	80.8
0°-90°	2091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	785	786	792	794	788	74
15°	744	749	756	760	750	210
25°	673	682	693	696	685	310
35°	583	592	606	610	600	365
45°	476	485	500	501	491	368
55°	361	368	378	373	366	323
65°	240	245	249	244	240	238
75°	119	122	124	120	117	127
85°	23	23	24	24	24	29
90°	0	0	0	0	0	



TEST NUMBER: P489992

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-50-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	795.3	795.3	795.3	795.3	795.3
2.5°	789.1	791.7	794.3	795.5	789.0
5°	785.0	786.5	792.4	794.2	787.5
7.5°	778.2	780.4	786.1	787.0	780.5
10°	768.9	772.9	776.7	780.8	773.0
12.5°	757.1	762.4	768.9	769.7	763.7
15°	743.7	748.7	755.7	760.3	750.4
17.5°	728.8	733.6	742.7	743.6	737.6
20°	712.1	718.1	729.0	731.0	720.3
22.5°	693.3	701.3	710.4	712.2	704.4
25°	673.4	681.7	693.0	695.6	685.0
27.5°	652.7	660.7	673.4	675.2	666.3
30°	630.5	638.0	651.9	655.0	645.9
32.5°	608.0	615.4	630.9	633.4	624.6
35°	583.0	592.1	606.1	610.3	600.4
37.5°	557.4	566.3	582.2	586.0	575.4
40°	531.0	539.8	555.4	558.6	548.4
42.5°	504.0	512.8	529.5	530.0	521.6
45°	476.4	484.8	500.4	500.8	491.0
47.5°	448.4	456.9	470.8	469.3	460.0
50°	420.0	428.2	440.3	437.2	428.8
52.5°	390.7	398.6	410.1	405.0	397.1
55°	361.2	368.5	378.1	372.6	366.5
57.5°	331.5	338.8	346.2	340.7	335.4
60°	301.5	307.9	314.0	308.3	304.3
62.5°	271.0	276.5	281.7	276.4	272.5
65°	240.1	245.0	249.3	244.4	240.3
67.5°	209.5	213.6	217.6	212.5	208.2
70°	178.8	182.4	186.0	180.7	176.8
72.5°	148.6	151.7	155.0	149.8	146.4
75°	119.2	121.9	124.5	120.0	117.3
77.5°	91.1	93.4	95.2	92.3	89.7
80°	65.0	66.7	67.8	66.6	64.2
82.5°	41.8	43.0	43.6	43.5	41.9
85°	22.7	23.1	24.2	24.4	23.6
87.5°	8.8	9.4	9.6	10.4	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)