

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: P489993

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-50-120-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: P489993  
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  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

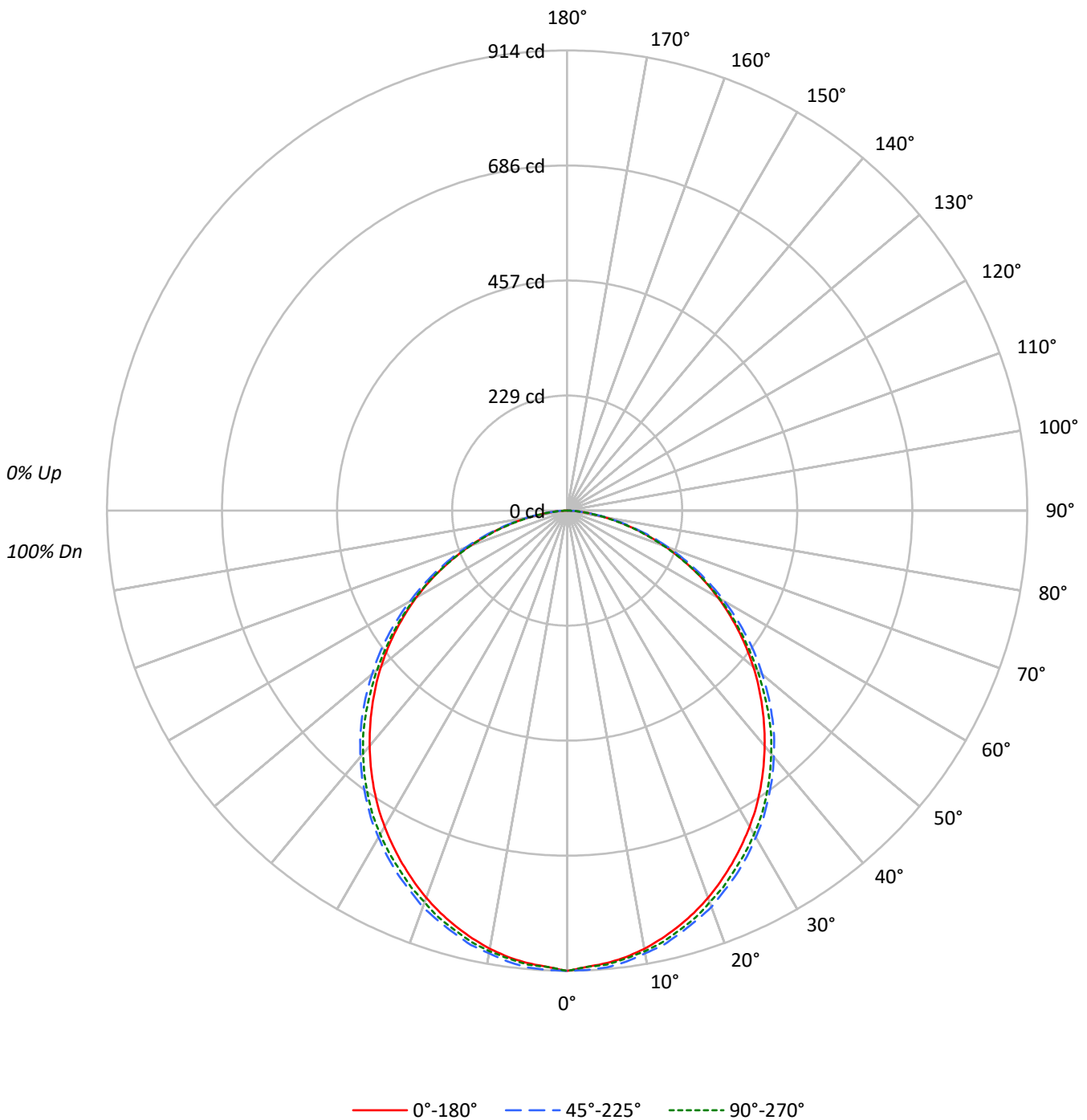
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2403.5 lumens  
Efficiency: N/A  
Efficacy: 102.7 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 (A<sub>in</sub>): 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

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### Luminous Intensity Polar Plot





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**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°	4920	4920	4920
5°	4875	4921	4890
10°	4830	4879	4856
15°	4763	4840	4806
20°	4688	4800	4742
25°	4597	4730	4676
30°	4504	4657	4614
35°	4403	4577	4535
40°	4288	4486	4429
45°	4168	4378	4296
50°	4042	4238	4127
55°	3896	4078	3953
60°	3730	3885	3765
65°	3515	3650	3517
70°	3234	3364	3199
75°	2849	2978	2805
80°	2315	2414	2287
85°	1612	1717	1673



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	3.6
10°-20°	244.0	10.2
20°-30°	363.9	15.1
30°-40°	431.2	17.9
40°-50°	436.3	18.2
50°-60°	381.1	15.9
60°-70°	278.5	11.6
70°-80°	148.2	6.2
80°-90°	34.2	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°	694.0	28.9
0°-40°	1125.2	46.8
0°-60°	1942.6	80.8
0°-90°	2403.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2403.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	902	904	911	913	905	86
15°	855	861	869	874	863	241
25°	774	784	797	800	787	357
35°	670	681	697	702	690	419
45°	548	557	575	576	564	422
55°	415	424	435	428	421	371
65°	276	282	287	281	276	273
75°	137	140	143	138	135	146
85°	26	27	28	28	27	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.2	914.2	914.2	914.2	914.2
2.5°	907.1	910.0	913.1	914.4	907.0
5°	902.3	904.0	910.8	912.9	905.2
7.5°	894.5	897.1	903.6	904.6	897.2
10°	883.8	888.4	892.8	897.5	888.5
12.5°	870.2	876.4	883.8	884.7	877.8
15°	854.9	860.6	868.7	873.9	862.6
17.5°	837.7	843.2	853.7	854.7	847.8
20°	818.6	825.4	838.0	840.2	827.9
22.5°	796.9	806.1	816.6	818.7	809.6
25°	774.1	783.6	796.6	799.5	787.4
27.5°	750.3	759.4	774.0	776.1	765.9
30°	724.8	733.3	749.3	752.9	742.5
32.5°	698.8	707.4	725.1	728.1	718.0
35°	670.1	680.6	696.7	701.5	690.2
37.5°	640.7	650.9	669.2	673.6	661.4
40°	610.4	620.5	638.5	642.1	630.4
42.5°	579.3	589.4	608.6	609.2	599.5
45°	547.6	557.3	575.2	575.7	564.4
47.5°	515.4	525.2	541.2	539.4	528.7
50°	482.8	492.2	506.2	502.5	492.9
52.5°	449.1	458.2	471.4	465.5	456.4
55°	415.2	423.6	434.6	428.3	421.3
57.5°	381.0	389.5	398.0	391.6	385.5
60°	346.5	353.9	360.9	354.4	349.8
62.5°	311.5	317.8	323.8	317.7	313.3
65°	276.0	281.7	286.6	280.9	276.2
67.5°	240.8	245.6	250.1	244.2	239.4
70°	205.5	209.6	213.8	207.7	203.3
72.5°	170.8	174.4	178.1	172.2	168.3
75°	137.0	140.1	143.2	137.9	134.9
77.5°	104.7	107.3	109.4	106.1	103.2
80°	74.7	76.7	77.9	76.6	73.8
82.5°	48.0	49.4	50.1	50.0	48.2
85°	26.1	26.6	27.8	28.1	27.1
87.5°	10.1	10.8	11.0	11.9	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)