

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: P489984

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-27-120-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: P489984  
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-27-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

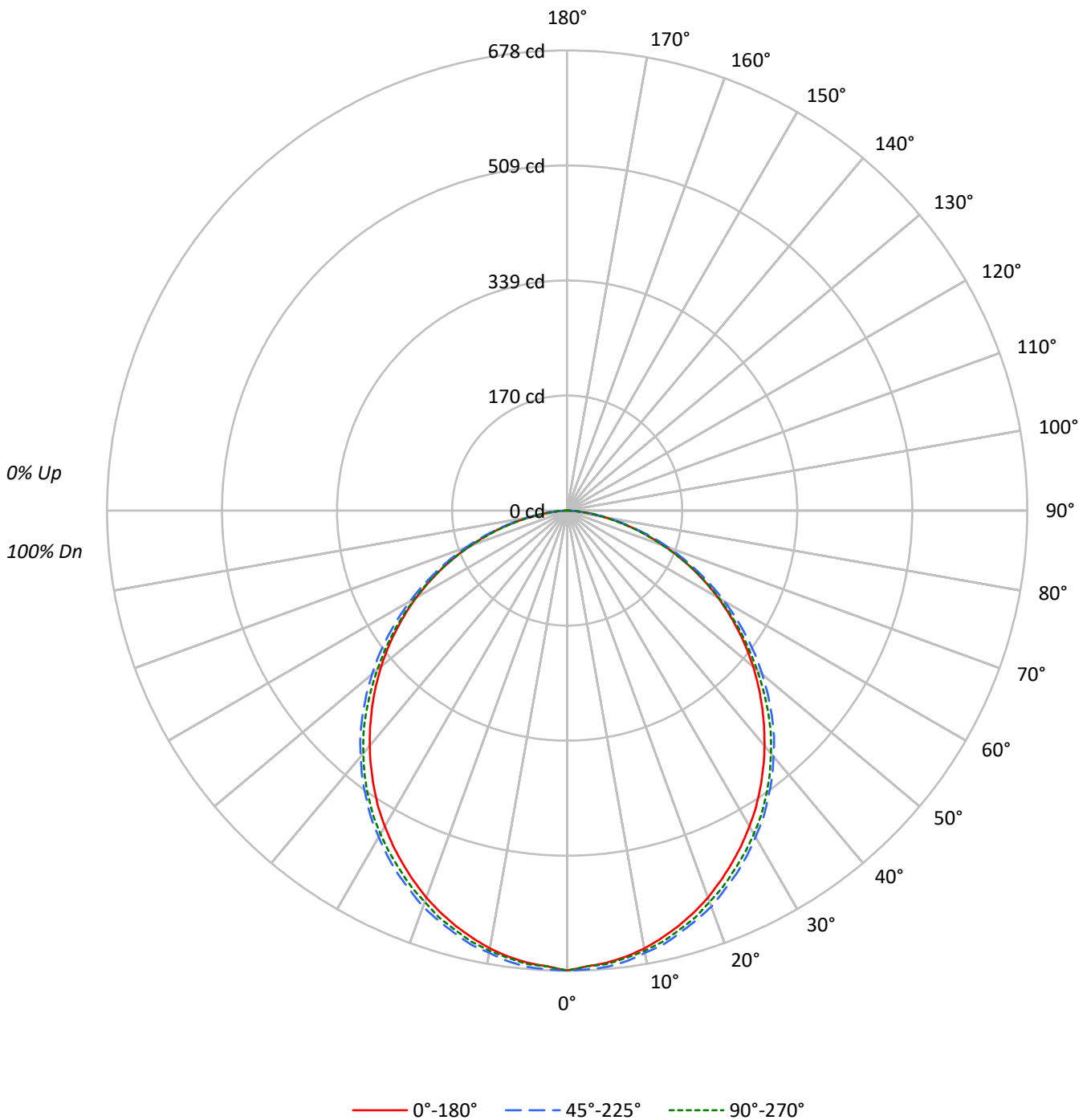
Lumens per Lamp: N/A  
Luminaire Lumens: 1781.3 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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

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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°	3646	3646	3646
5°	3613	3647	3624
10°	3580	3616	3599
15°	3530	3587	3562
20°	3475	3557	3514
25°	3407	3506	3466
30°	3338	3451	3420
35°	3263	3392	3361
40°	3178	3325	3282
45°	3089	3245	3184
50°	2996	3141	3059
55°	2887	3022	2929
60°	2764	2879	2790
65°	2606	2705	2607
70°	2397	2494	2370
75°	2111	2206	2079
80°	1714	1788	1695
85°	1192	1272	1241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.8	3.6
10°-20°	180.8	10.2
20°-30°	269.7	15.1
30°-40°	319.6	17.9
40°-50°	323.4	18.2
50°-60°	282.4	15.9
60°-70°	206.4	11.6
70°-80°	109.8	6.2
80°-90°	25.4	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°	514.3	28.9
0°-40°	833.9	46.8
0°-60°	1439.7	80.8
0°-90°	1781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1781.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	669	670	675	677	671	63
15°	634	638	644	648	639	179
25°	574	581	590	593	584	264
35°	497	504	516	520	512	311
45°	406	413	426	427	418	313
55°	308	314	322	318	312	275
65°	205	209	212	208	205	202
75°	102	104	106	102	100	108
85°	19	20	21	21	20	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	677.5	677.5	677.5	677.5	677.5
2.5°	672.2	674.4	676.7	677.7	672.2
5°	668.7	670.0	675.0	676.6	670.8
7.5°	662.9	664.8	669.7	670.4	664.9
10°	655.0	658.4	661.7	665.2	658.5
12.5°	644.9	649.5	655.0	655.7	650.6
15°	633.6	637.8	643.8	647.7	639.3
17.5°	620.9	625.0	632.7	633.4	628.3
20°	606.7	611.8	621.1	622.7	613.6
22.5°	590.6	597.4	605.2	606.7	600.0
25°	573.7	580.8	590.4	592.6	583.6
27.5°	556.1	562.8	573.6	575.2	567.6
30°	537.1	543.5	555.3	558.0	550.3
32.5°	517.9	524.3	537.4	539.6	532.1
35°	496.6	504.4	516.3	519.9	511.5
37.5°	474.9	482.4	496.0	499.2	490.2
40°	452.4	459.8	473.2	475.9	467.2
42.5°	429.3	436.8	451.1	451.5	444.3
45°	405.8	413.0	426.3	426.7	418.3
47.5°	382.0	389.2	401.1	399.8	391.9
50°	357.8	364.7	375.1	372.4	365.3
52.5°	332.8	339.5	349.4	345.0	338.3
55°	307.7	313.9	322.1	317.5	312.2
57.5°	282.4	288.7	294.9	290.2	285.7
60°	256.8	262.3	267.5	262.7	259.2
62.5°	230.8	235.6	240.0	235.4	232.2
65°	204.6	208.7	212.4	208.2	204.7
67.5°	178.5	182.0	185.4	181.0	177.4
70°	152.3	155.4	158.5	154.0	150.6
72.5°	126.6	129.3	132.0	127.6	124.7
75°	101.5	103.8	106.1	102.2	100.0
77.5°	77.6	79.6	81.1	78.6	76.5
80°	55.3	56.8	57.7	56.8	54.7
82.5°	35.6	36.6	37.1	37.1	35.7
85°	19.3	19.7	20.6	20.8	20.1
87.5°	7.5	8.0	8.2	8.8	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)