

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: P489944

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-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: P489944  
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-LD4-1HI-50-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

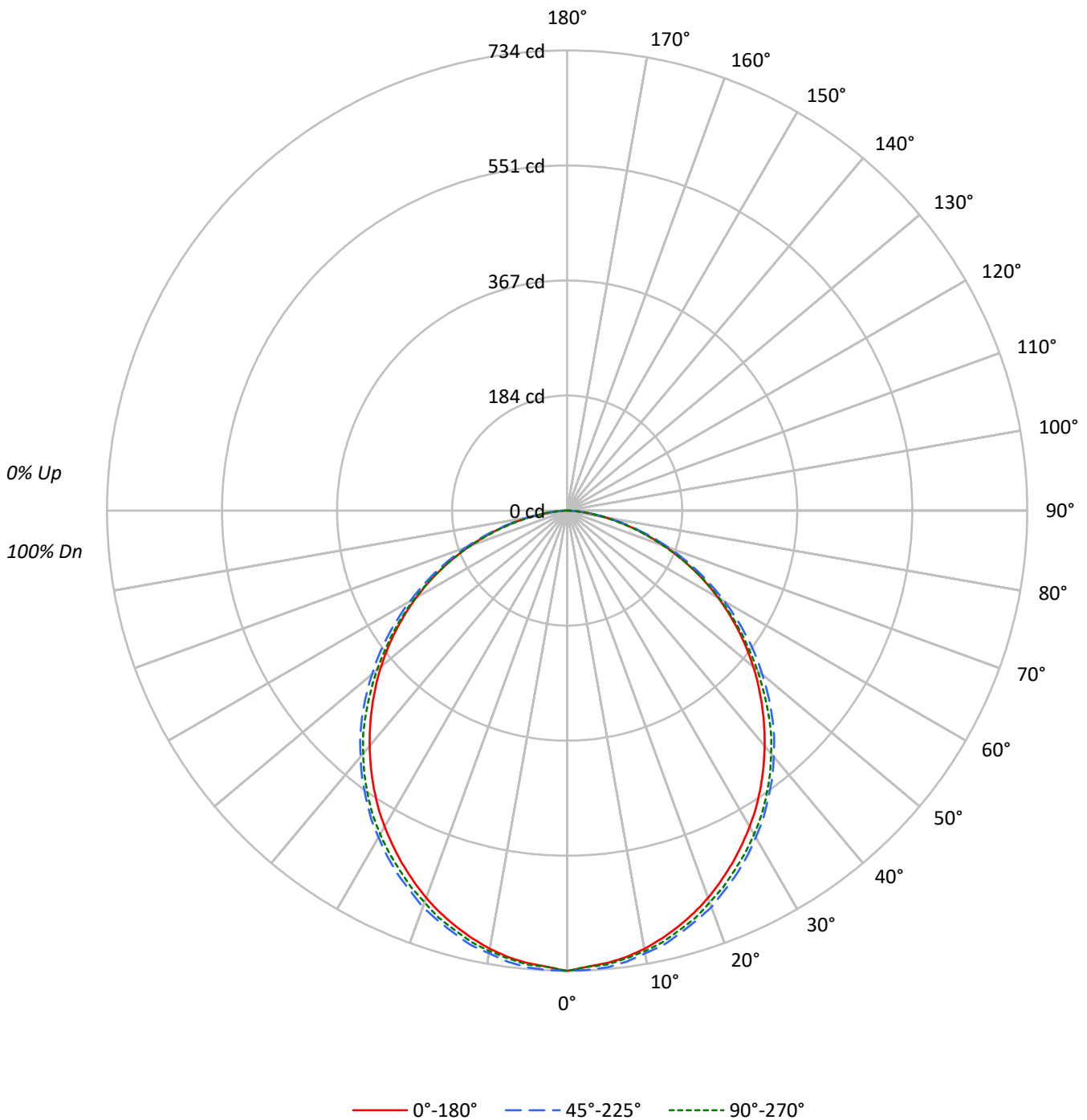
Lumens per Lamp: N/A  
Luminaire Lumens: 1930.2 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

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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°	3951	3951	3951
5°	3915	3951	3927
10°	3879	3918	3899
15°	3825	3887	3860
20°	3765	3855	3808
25°	3692	3799	3755
30°	3617	3740	3706
35°	3535	3676	3642
40°	3444	3602	3556
45°	3347	3516	3449
50°	3246	3404	3315
55°	3128	3275	3174
60°	2996	3119	3024
65°	2823	2932	2825
70°	2598	2702	2568
75°	2287	2391	2252
80°	1860	1940	1838
85°	1297	1377	1346



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.1	3.6
10°-20°	195.9	10.2
20°-30°	292.2	15.1
30°-40°	346.3	17.9
40°-50°	350.4	18.2
50°-60°	306.0	15.9
60°-70°	223.6	11.6
70°-80°	119.0	6.2
80°-90°	27.5	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°	557.3	28.9
0°-40°	903.6	46.8
0°-60°	1560.1	80.8
0°-90°	1930.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1930.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	734	734	734	734	734	
5°	725	726	731	733	727	69
15°	686	691	698	702	693	194
25°	622	629	640	642	632	286
35°	538	546	560	563	554	337
45°	440	448	462	462	453	339
55°	333	340	349	344	338	298
65°	222	226	230	226	222	219
75°	110	112	115	111	108	117
85°	21	21	22	23	22	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	734.2	734.2	734.2	734.2	734.2
2.5°	728.4	730.8	733.3	734.3	728.4
5°	724.6	726.0	731.4	733.1	726.9
7.5°	718.3	720.4	725.7	726.5	720.5
10°	709.8	713.4	717.0	720.8	713.5
12.5°	698.8	703.8	709.8	710.5	705.0
15°	686.5	691.1	697.6	701.8	692.7
17.5°	672.8	677.2	685.6	686.4	680.9
20°	657.4	662.9	673.0	674.7	664.9
22.5°	639.9	647.4	655.8	657.5	650.2
25°	621.7	629.3	639.7	642.1	632.4
27.5°	602.5	609.9	621.6	623.3	615.1
30°	582.0	588.9	601.8	604.6	596.3
32.5°	561.2	568.1	582.3	584.7	576.6
35°	538.1	546.5	559.5	563.4	554.3
37.5°	514.6	522.8	537.4	541.0	531.2
40°	490.2	498.3	512.7	515.6	506.2
42.5°	465.2	473.3	488.8	489.2	481.4
45°	439.8	447.6	461.9	462.3	453.2
47.5°	413.9	421.8	434.6	433.2	424.6
50°	387.7	395.2	406.5	403.6	395.9
52.5°	360.7	367.9	378.6	373.8	366.6
55°	333.4	340.2	349.0	344.0	338.3
57.5°	306.0	312.8	319.6	314.5	309.6
60°	278.3	284.2	289.8	284.6	280.9
62.5°	250.1	255.3	260.1	255.1	251.6
65°	221.7	226.2	230.2	225.6	221.8
67.5°	193.4	197.2	200.9	196.1	192.2
70°	165.1	168.4	171.7	166.8	163.2
72.5°	137.2	140.1	143.0	138.3	135.2
75°	110.0	112.5	115.0	110.8	108.3
77.5°	84.1	86.2	87.9	85.2	82.8
80°	60.0	61.6	62.6	61.5	59.3
82.5°	38.6	39.7	40.2	40.2	38.7
85°	21.0	21.3	22.3	22.6	21.8
87.5°	8.1	8.6	8.9	9.6	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)