

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: P489969

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-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: P489969  
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-LD4-1STD-50-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

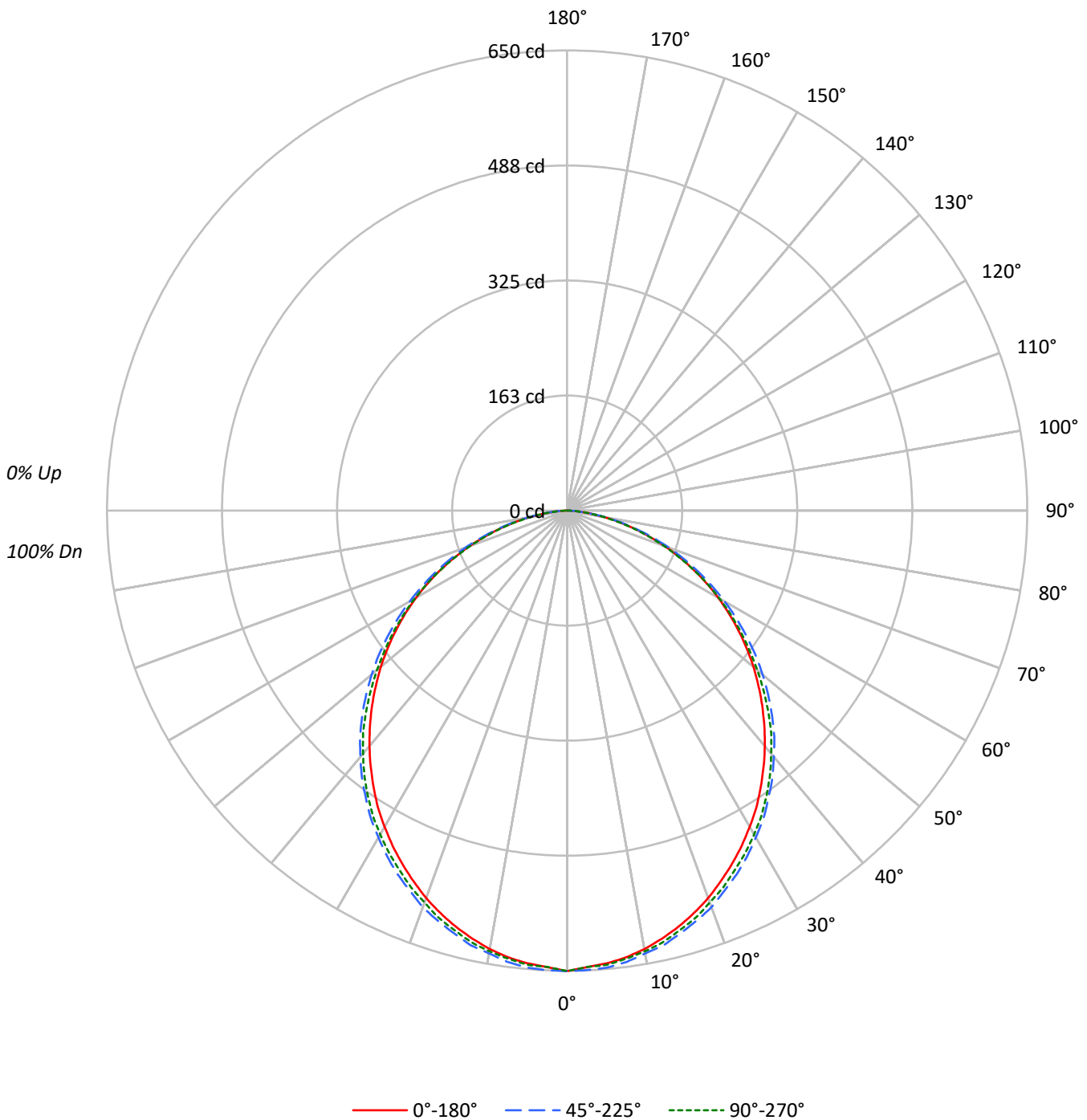
Lumens per Lamp: N/A  
Luminaire Lumens: 1710.2 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.6  
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°	3501	3501	3501
5°	3468	3501	3480
10°	3437	3471	3455
15°	3389	3444	3420
20°	3336	3415	3374
25°	3271	3366	3327
30°	3205	3314	3283
35°	3133	3257	3227
40°	3051	3192	3151
45°	2965	3115	3057
50°	2876	3016	2936
55°	2772	2902	2813
60°	2654	2764	2679
65°	2501	2597	2502
70°	2302	2395	2275
75°	2027	2119	1996
80°	1646	1717	1627
85°	1149	1223	1192



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.3	3.6
10°-20°	173.6	10.2
20°-30°	258.9	15.1
30°-40°	306.8	17.9
40°-50°	310.5	18.2
50°-60°	271.2	15.9
60°-70°	198.1	11.6
70°-80°	105.4	6.2
80°-90°	24.4	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°	493.8	28.9
0°-40°	800.6	46.8
0°-60°	1382.3	80.8
0°-90°	1710.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1710.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	642	643	648	650	644	61
15°	608	612	618	622	614	171
25°	551	558	567	569	560	254
35°	477	484	496	499	491	298
45°	390	396	409	410	402	301
55°	295	301	309	305	300	264
65°	196	200	204	200	196	194
75°	98	100	102	98	96	104
85°	19	19	20	20	19	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	650.5	650.5	650.5	650.5	650.5
2.5°	645.4	647.5	649.7	650.6	645.3
5°	642.0	643.2	648.1	649.6	644.1
7.5°	636.5	638.3	643.0	643.7	638.4
10°	628.9	632.1	635.2	638.6	632.2
12.5°	619.2	623.6	628.9	629.5	624.6
15°	608.3	612.3	618.1	621.8	613.8
17.5°	596.1	600.0	607.5	608.1	603.3
20°	582.5	587.3	596.3	597.8	589.1
22.5°	567.0	573.6	581.0	582.5	576.1
25°	550.8	557.6	566.8	568.9	560.3
27.5°	533.9	540.4	550.7	552.2	545.0
30°	515.7	521.8	533.2	535.7	528.3
32.5°	497.3	503.4	516.0	518.1	510.9
35°	476.8	484.2	495.7	499.2	491.1
37.5°	455.9	463.2	476.2	479.3	470.6
40°	434.3	441.5	454.3	456.9	448.5
42.5°	412.2	419.4	433.1	433.5	426.6
45°	389.6	396.5	409.3	409.6	401.6
47.5°	366.7	373.7	385.1	383.8	376.2
50°	343.5	350.2	360.2	357.6	350.7
52.5°	319.6	326.0	335.4	331.2	324.8
55°	295.4	301.4	309.3	304.8	299.8
57.5°	271.1	277.1	283.2	278.6	274.3
60°	246.6	251.8	256.8	252.2	248.9
62.5°	221.6	226.2	230.4	226.0	222.9
65°	196.4	200.4	203.9	199.9	196.5
67.5°	171.3	174.7	178.0	173.8	170.3
70°	146.3	149.2	152.2	147.8	144.6
72.5°	121.5	124.1	126.7	122.5	119.8
75°	97.5	99.7	101.9	98.1	96.0
77.5°	74.5	76.4	77.9	75.5	73.4
80°	53.1	54.6	55.4	54.5	52.5
82.5°	34.2	35.2	35.6	35.6	34.3
85°	18.6	18.9	19.8	20.0	19.3
87.5°	7.2	7.7	7.9	8.5	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)