

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: P490135

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-40-120-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: P490135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)  
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-P12125-LD4-2LO-40-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

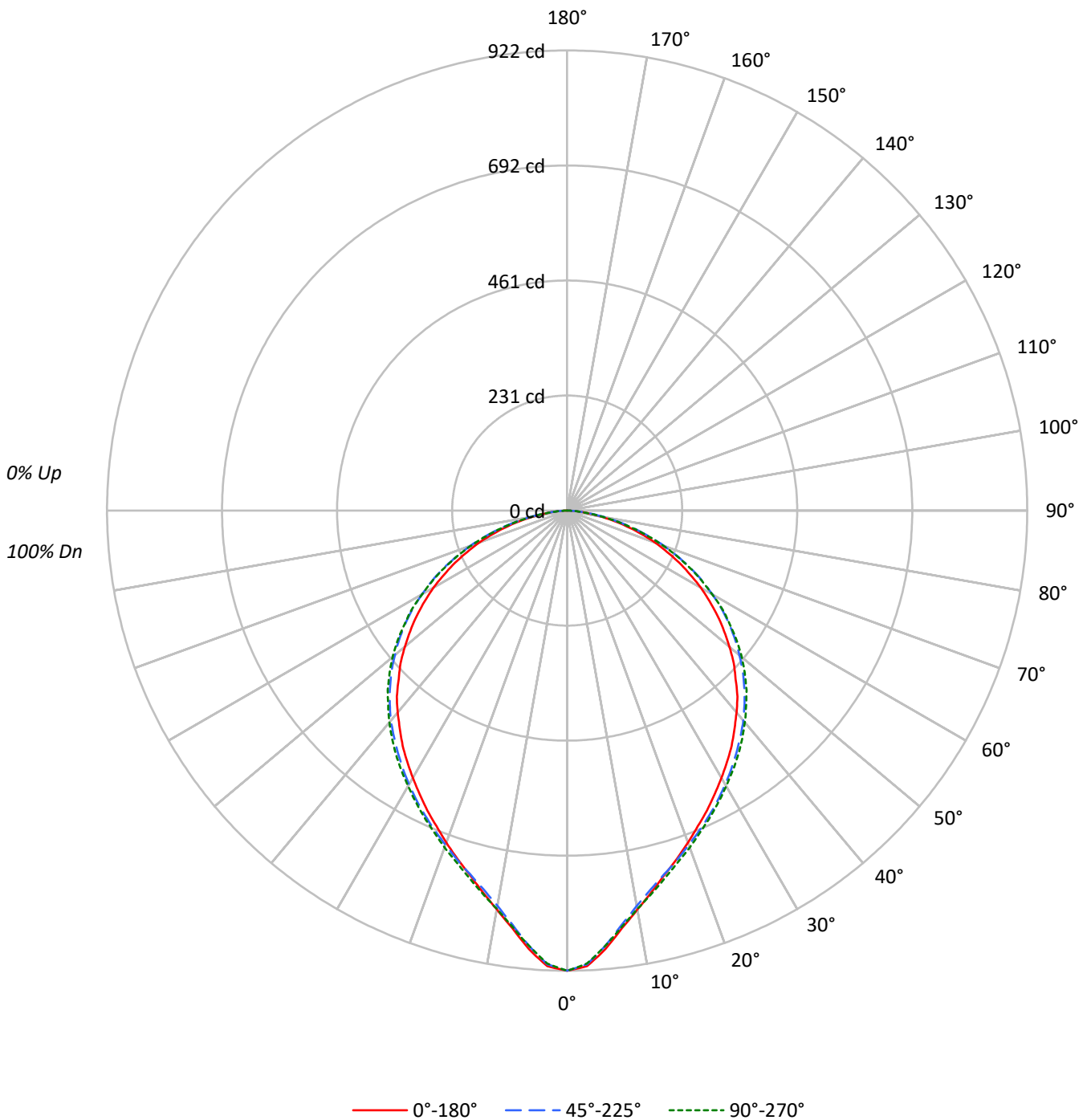
Lumens per Lamp: N/A  
Luminaire Lumens: 2141.4 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4962	4962	4962
5°	4764	4730	4730
10°	4434	4393	4428
15°	4207	4199	4241
20°	4053	4082	4114
25°	3937	4001	4024
30°	3842	3937	3961
35°	3777	3887	3926
40°	3710	3860	3892
45°	3633	3822	3868
50°	3553	3774	3825
55°	3454	3719	3735
60°	3330	3618	3610
65°	3157	3479	3456
70°	2947	3245	3204
75°	2601	2874	2845
80°	2114	2343	2228
85°	1463	1494	1439



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.5	3.8
10°-20°	213.4	10.0
20°-30°	310.3	14.5
30°-40°	369.2	17.2
40°-50°	383.4	17.9
50°-60°	347.3	16.2
60°-70°	262.1	12.2
70°-80°	142.8	6.7
80°-90°	31.4	1.5
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°	605.1	28.3
0°-40°	974.4	45.5
0°-60°	1705.1	79.6
0°-90°	2141.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	882	880	876	875	876	82
15°	755	753	754	759	761	213
25°	663	668	674	679	678	306
35°	575	582	592	601	598	359
45°	477	486	502	508	508	369
55°	368	377	396	399	398	329
65°	248	255	273	273	271	245
75°	125	130	138	139	137	133
85°	24	24	24	24	23	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	921.9	921.9	921.9	921.9	921.9
2.5°	913.8	912.9	909.9	908.8	908.5
5°	881.8	879.7	875.6	875.1	875.6
7.5°	843.6	841.3	837.1	838.7	840.8
10°	811.3	805.6	803.9	806.3	810.2
12.5°	782.5	777.9	776.5	782.5	785.3
15°	755.1	753.3	753.7	758.8	761.1
17.5°	731.4	730.2	733.2	737.2	738.3
20°	707.7	710.0	712.7	716.9	718.3
22.5°	684.4	688.8	693.4	698.9	697.1
25°	663.0	668.5	673.8	679.3	677.7
27.5°	640.2	646.6	654.0	660.0	657.7
30°	618.3	626.3	633.5	640.9	637.4
32.5°	596.6	604.2	612.8	621.7	617.8
35°	574.8	581.7	591.6	600.6	597.6
37.5°	550.6	559.1	570.4	578.2	576.1
40°	528.0	535.8	549.4	554.5	554.0
42.5°	505.2	511.6	525.9	531.7	530.8
45°	477.3	485.8	502.2	507.7	508.2
47.5°	452.7	459.8	477.3	481.7	482.6
50°	424.3	433.3	450.8	456.1	456.8
52.5°	396.4	406.1	424.1	427.8	428.5
55°	368.1	376.9	396.4	399.2	398.1
57.5°	338.4	349.0	367.0	368.3	369.5
60°	309.4	318.6	336.1	337.9	335.4
62.5°	277.8	287.3	305.2	305.7	303.6
65°	247.9	255.0	273.2	272.7	271.4
67.5°	216.5	225.3	238.7	239.1	238.0
70°	187.3	193.3	206.2	206.4	203.6
72.5°	155.7	162.2	172.5	171.2	170.5
75°	125.1	130.2	138.2	139.1	136.8
77.5°	97.0	100.7	106.7	106.0	103.4
80°	68.2	71.2	75.6	74.6	71.9
82.5°	43.5	45.4	48.2	47.0	45.8
85°	23.7	23.9	24.2	23.9	23.3
87.5°	8.8	9.0	9.0	8.8	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)