

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: P490128

Luminaire Tested: **CLP-12-2-INS-P12125-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: P490128
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

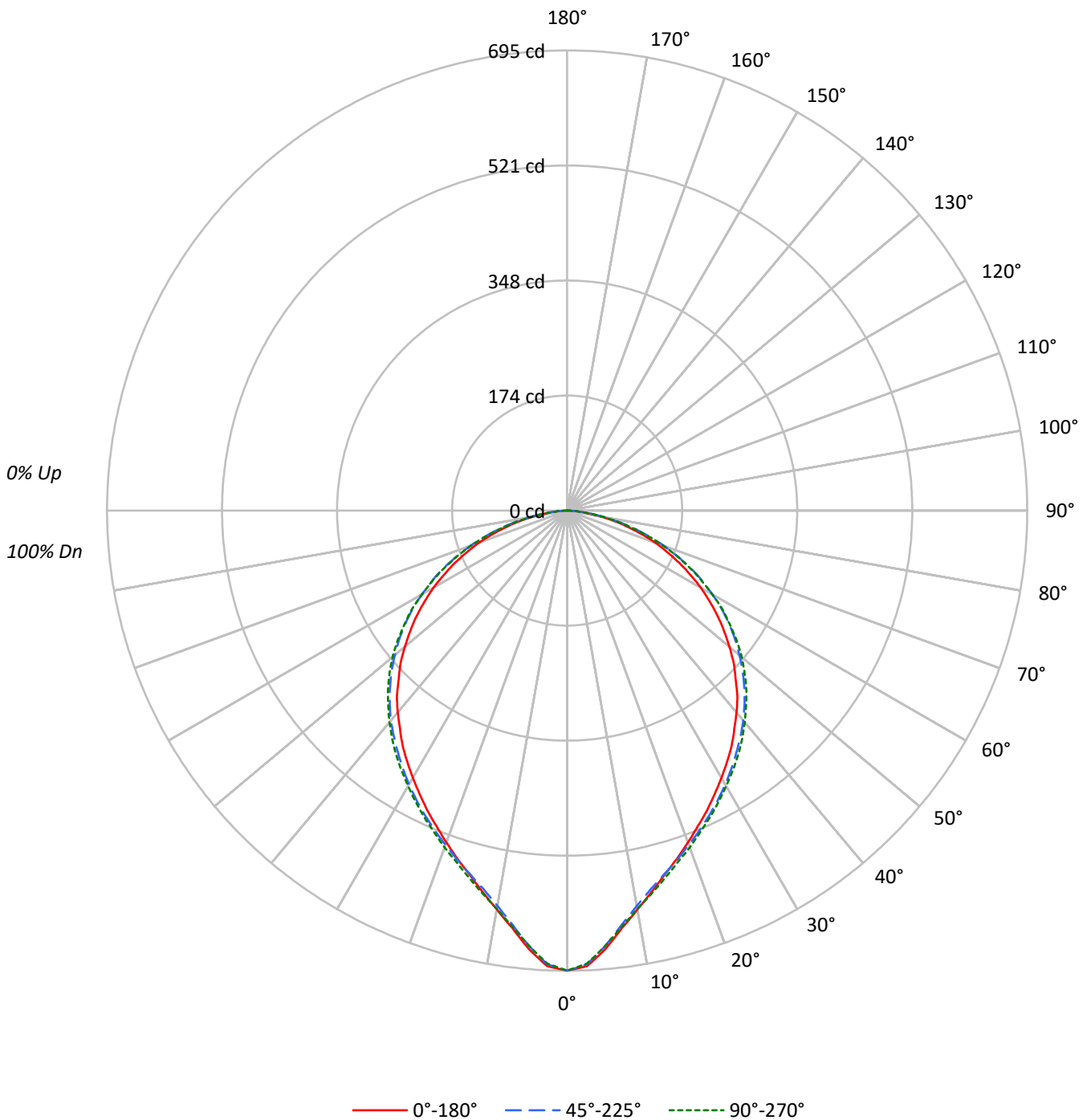
Lumens per Lamp: N/A
Luminaire Lumens: 1613.9 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	3739	3739	3739
5°	3591	3565	3565
10°	3342	3311	3337
15°	3171	3165	3196
20°	3054	3077	3100
25°	2967	3015	3033
30°	2896	2967	2985
35°	2846	2929	2959
40°	2796	2909	2933
45°	2738	2881	2915
50°	2678	2845	2883
55°	2603	2804	2815
60°	2510	2726	2721
65°	2379	2622	2604
70°	2220	2445	2415
75°	1961	2167	2144
80°	1593	1767	1680
85°	1105	1124	1081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	3.8
10°-20°	160.8	10.0
20°-30°	233.9	14.5
30°-40°	278.3	17.2
40°-50°	289.0	17.9
50°-60°	261.8	16.2
60°-70°	197.5	12.2
70°-80°	107.6	6.7
80°-90°	23.6	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°	456.1	28.3
0°-40°	734.4	45.5
0°-60°	1285.1	79.6
0°-90°	1613.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	665	663	660	660	660	62
15°	569	568	568	572	574	161
25°	500	504	508	512	511	230
35°	433	438	446	453	450	271
45°	360	366	378	383	383	278
55°	277	284	299	301	300	248
65°	187	192	206	206	204	185
75°	94	98	104	105	103	100
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	694.8	694.8	694.8	694.8	694.8
2.5°	688.7	688.0	685.8	684.9	684.7
5°	664.6	663.0	659.9	659.6	659.9
7.5°	635.8	634.0	630.9	632.1	633.7
10°	611.5	607.1	605.9	607.7	610.6
12.5°	589.8	586.3	585.2	589.8	591.9
15°	569.1	567.7	568.1	571.9	573.6
17.5°	551.2	550.4	552.6	555.6	556.4
20°	533.3	535.1	537.2	540.3	541.3
22.5°	515.8	519.1	522.6	526.7	525.4
25°	499.7	503.8	507.8	512.0	510.8
27.5°	482.5	487.3	492.9	497.4	495.7
30°	466.0	472.1	477.4	483.0	480.4
32.5°	449.7	455.4	461.8	468.6	465.6
35°	433.2	438.4	445.8	452.6	450.4
37.5°	414.9	421.4	429.9	435.8	434.2
40°	397.9	403.8	414.1	417.9	417.5
42.5°	380.7	385.6	396.4	400.7	400.0
45°	359.7	366.2	378.5	382.7	383.0
47.5°	341.2	346.5	359.7	363.0	363.7
50°	319.8	326.6	339.8	343.8	344.3
52.5°	298.8	306.1	319.6	322.4	322.9
55°	277.4	284.0	298.8	300.9	300.0
57.5°	255.0	263.0	276.6	277.6	278.5
60°	233.2	240.1	253.3	254.7	252.8
62.5°	209.4	216.5	230.0	230.4	228.8
65°	186.8	192.2	205.9	205.6	204.5
67.5°	163.2	169.8	179.9	180.2	179.4
70°	141.1	145.7	155.4	155.6	153.5
72.5°	117.4	122.2	130.0	129.0	128.5
75°	94.3	98.1	104.2	104.9	103.1
77.5°	73.1	75.9	80.4	79.9	78.0
80°	51.4	53.6	57.0	56.3	54.2
82.5°	32.8	34.2	36.3	35.4	34.5
85°	17.9	18.0	18.2	18.0	17.5
87.5°	6.6	6.8	6.8	6.6	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)