

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: P490131

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-30-120-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: P490131
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-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

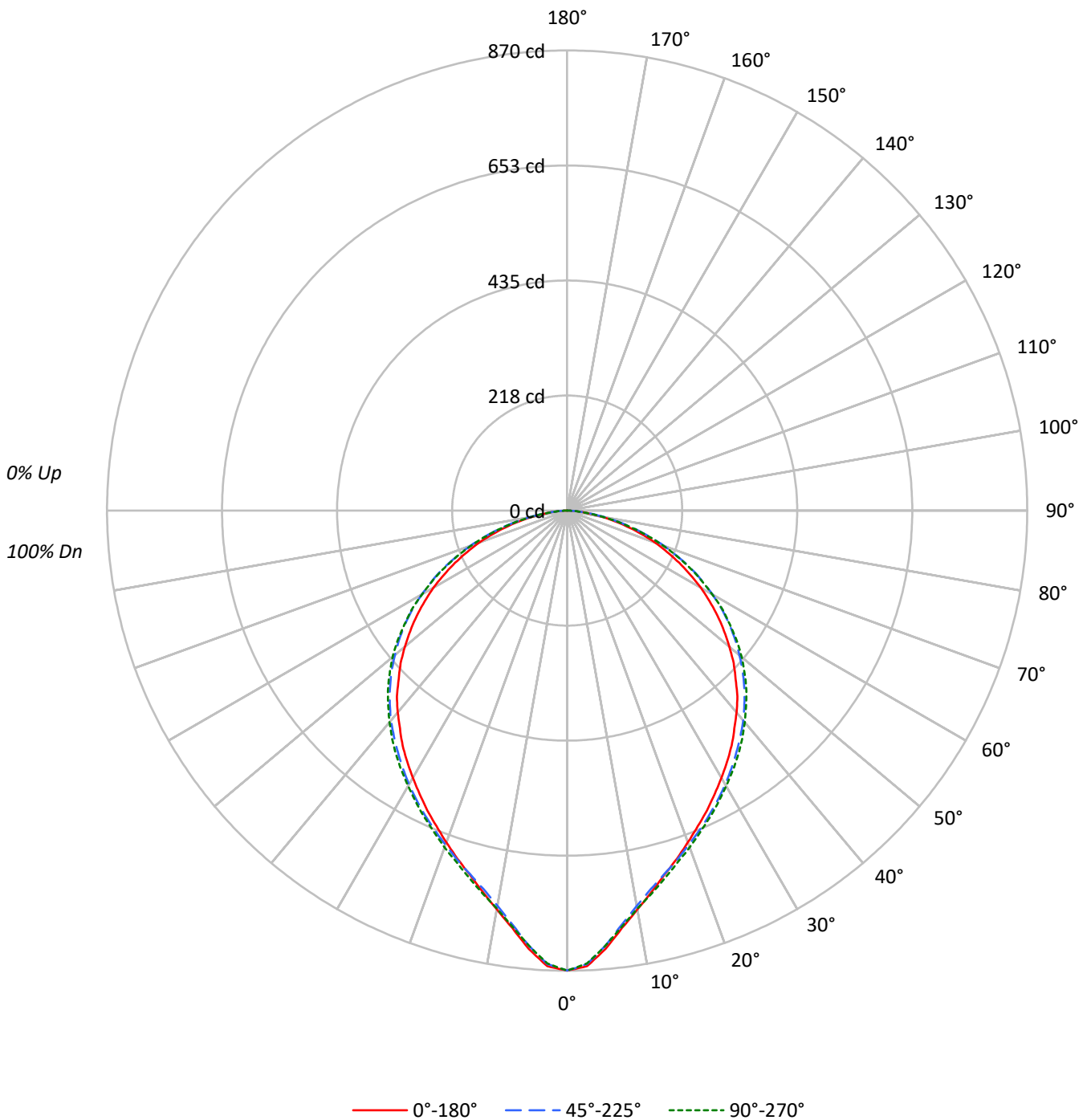
Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	4680	4680	4680
5°	4494	4462	4462
10°	4182	4145	4176
15°	3969	3962	4001
20°	3823	3851	3880
25°	3714	3774	3796
30°	3624	3714	3737
35°	3562	3666	3704
40°	3499	3641	3672
45°	3427	3605	3649
50°	3352	3561	3608
55°	3258	3509	3523
60°	3141	3412	3406
65°	2977	3282	3260
70°	2781	3061	3023
75°	2454	2712	2685
80°	1993	2210	2101
85°	1383	1408	1352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	3.8
10°-20°	201.3	10.0
20°-30°	292.7	14.5
30°-40°	348.3	17.2
40°-50°	361.7	17.9
50°-60°	327.6	16.2
60°-70°	247.3	12.2
70°-80°	134.7	6.7
80°-90°	29.6	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°	570.8	28.3
0°-40°	919.1	45.5
0°-60°	1608.4	79.6
0°-90°	2020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	832	830	826	826	826	77
15°	712	711	711	716	718	201
25°	625	631	636	641	639	288
35°	542	549	558	566	564	339
45°	450	458	474	479	479	348
55°	347	356	374	377	376	310
65°	234	241	258	257	256	231
75°	118	123	130	131	129	126
85°	22	23	23	23	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.6	869.6	869.6	869.6	869.6
2.5°	862.0	861.2	858.3	857.2	857.0
5°	831.8	829.9	826.0	825.5	826.0
7.5°	795.8	793.6	789.7	791.2	793.2
10°	765.3	759.9	758.4	760.6	764.2
12.5°	738.2	733.8	732.5	738.2	740.8
15°	712.3	710.6	711.0	715.8	718.0
17.5°	689.9	688.8	691.7	695.4	696.5
20°	667.5	669.7	672.3	676.2	677.5
22.5°	645.6	649.7	654.1	659.3	657.6
25°	625.4	630.6	635.6	640.8	639.3
27.5°	603.9	610.0	616.9	622.6	620.4
30°	583.2	590.8	597.6	604.5	601.3
32.5°	562.8	570.0	578.0	586.5	582.8
35°	542.2	548.7	558.0	566.5	563.7
37.5°	519.4	527.4	538.0	545.4	543.5
40°	498.1	505.4	518.3	523.0	522.6
42.5°	476.5	482.6	496.1	501.5	500.7
45°	450.3	458.3	473.7	478.9	479.4
47.5°	427.0	433.7	450.3	454.4	455.2
50°	400.3	408.7	425.3	430.2	430.9
52.5°	374.0	383.1	400.0	403.5	404.2
55°	347.2	355.5	374.0	376.6	375.5
57.5°	319.2	329.2	346.2	347.5	348.6
60°	291.8	300.5	317.0	318.8	316.4
62.5°	262.1	271.0	287.9	288.4	286.4
65°	233.8	240.6	257.7	257.3	256.0
67.5°	204.3	212.5	225.1	225.6	224.5
70°	176.7	182.3	194.5	194.7	192.1
72.5°	146.9	153.0	162.7	161.5	160.8
75°	118.0	122.8	130.4	131.3	129.1
77.5°	91.5	95.0	100.6	100.0	97.6
80°	64.3	67.1	71.3	70.4	67.8
82.5°	41.1	42.8	45.4	44.3	43.2
85°	22.4	22.6	22.8	22.6	21.9
87.5°	8.3	8.5	8.5	8.3	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)