

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: P490129

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-27-120-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: P490129
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
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

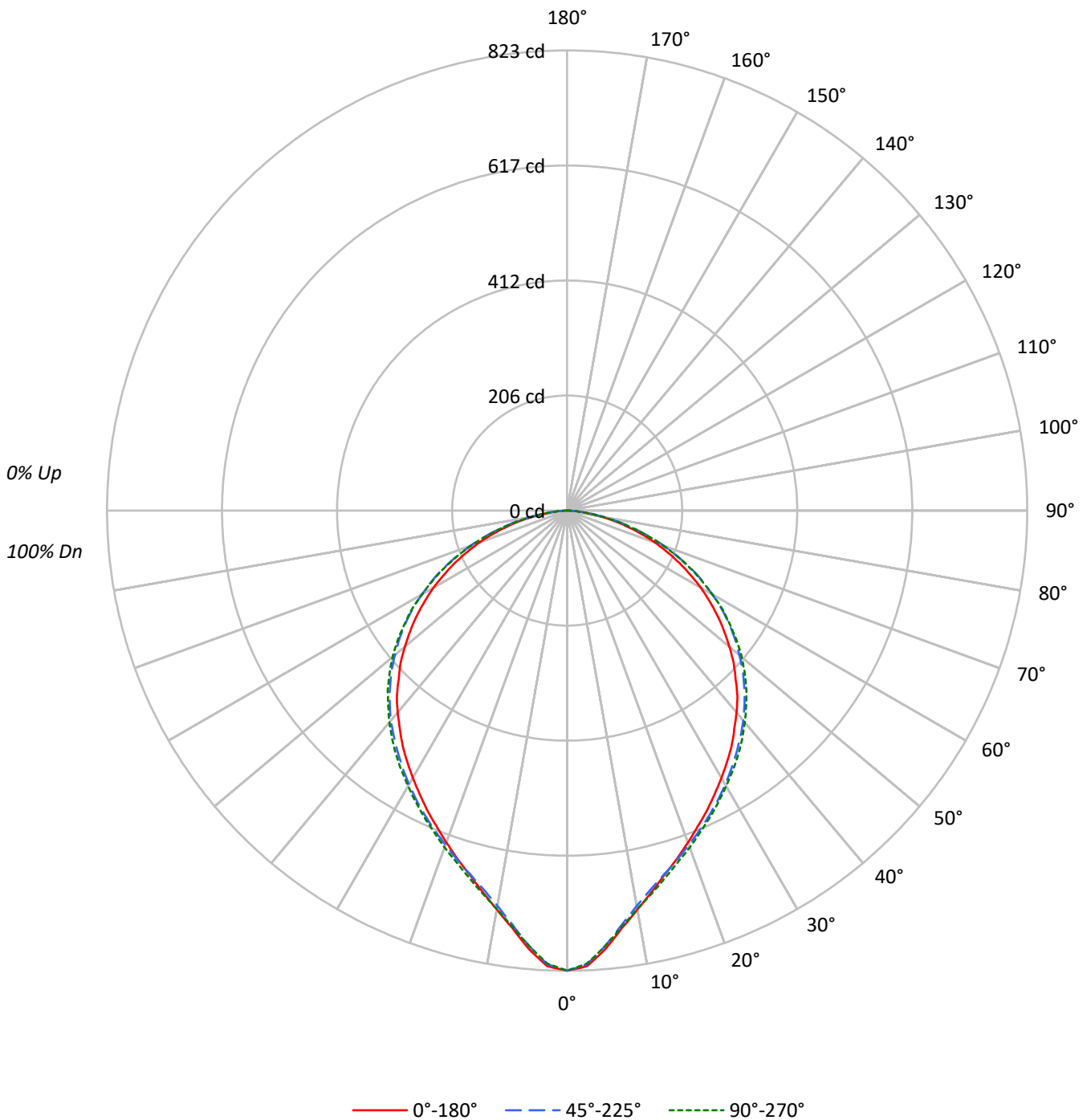
Lumens per Lamp: N/A
Luminaire Lumens: 1911.3 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	4428	4428	4428
5°	4252	4222	4222
10°	3958	3922	3952
15°	3755	3749	3785
20°	3617	3644	3672
25°	3514	3571	3592
30°	3429	3514	3535
35°	3370	3469	3505
40°	3311	3445	3474
45°	3242	3411	3452
50°	3171	3369	3414
55°	3083	3320	3334
60°	2972	3229	3223
65°	2817	3105	3084
70°	2631	2895	2861
75°	2321	2566	2539
80°	1888	2089	1987
85°	1309	1334	1284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	3.8
10°-20°	190.5	10.0
20°-30°	276.9	14.5
30°-40°	329.6	17.2
40°-50°	342.2	17.9
50°-60°	310.0	16.2
60°-70°	233.9	12.2
70°-80°	127.5	6.7
80°-90°	28.0	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°	540.1	28.3
0°-40°	869.7	45.5
0°-60°	1521.9	79.6
0°-90°	1911.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	787	785	782	781	782	73
15°	674	672	673	677	679	190
25°	592	597	601	606	605	273
35°	513	519	528	536	533	321
45°	426	434	448	453	454	329
55°	329	336	354	356	355	293
65°	221	228	244	243	242	219
75°	112	116	123	124	122	119
85°	21	21	22	21	21	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.8	822.8	822.8	822.8	822.8
2.5°	815.6	814.8	812.1	811.1	810.9
5°	787.1	785.2	781.5	781.1	781.5
7.5°	752.9	750.9	747.2	748.6	750.5
10°	724.2	719.0	717.6	719.6	723.1
12.5°	698.4	694.3	693.1	698.4	700.9
15°	674.0	672.3	672.8	677.3	679.3
17.5°	652.8	651.8	654.5	657.9	659.0
20°	631.6	633.7	636.2	639.9	641.1
22.5°	610.9	614.8	618.9	623.8	622.2
25°	591.7	596.7	601.4	606.3	604.9
27.5°	571.4	577.1	583.7	589.1	587.0
30°	551.8	559.0	565.4	572.0	568.9
32.5°	532.5	539.3	546.9	554.9	551.4
35°	513.0	519.2	528.0	536.0	533.4
37.5°	491.4	499.0	509.1	516.1	514.2
40°	471.3	478.2	490.4	494.9	494.5
42.5°	450.9	456.7	469.4	474.5	473.7
45°	426.0	433.6	448.2	453.2	453.6
47.5°	404.0	410.4	426.0	429.9	430.7
50°	378.7	386.8	402.4	407.1	407.7
52.5°	353.8	362.5	378.5	381.8	382.4
55°	328.6	336.4	353.8	356.3	355.3
57.5°	302.0	311.5	327.5	328.8	329.8
60°	276.1	284.4	300.0	301.6	299.4
62.5°	248.0	256.4	272.4	272.8	271.0
65°	221.2	227.6	243.8	243.4	242.2
67.5°	193.3	201.1	213.0	213.4	212.4
70°	167.2	172.5	184.0	184.2	181.8
72.5°	139.0	144.7	154.0	152.8	152.2
75°	111.6	116.2	123.4	124.2	122.1
77.5°	86.6	89.9	95.2	94.6	92.3
80°	60.9	63.5	67.4	66.6	64.1
82.5°	38.9	40.5	43.0	41.9	40.9
85°	21.2	21.4	21.6	21.4	20.8
87.5°	7.8	8.0	8.0	7.8	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)