

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: P490087

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-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: P490087
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-LD4-1HI-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

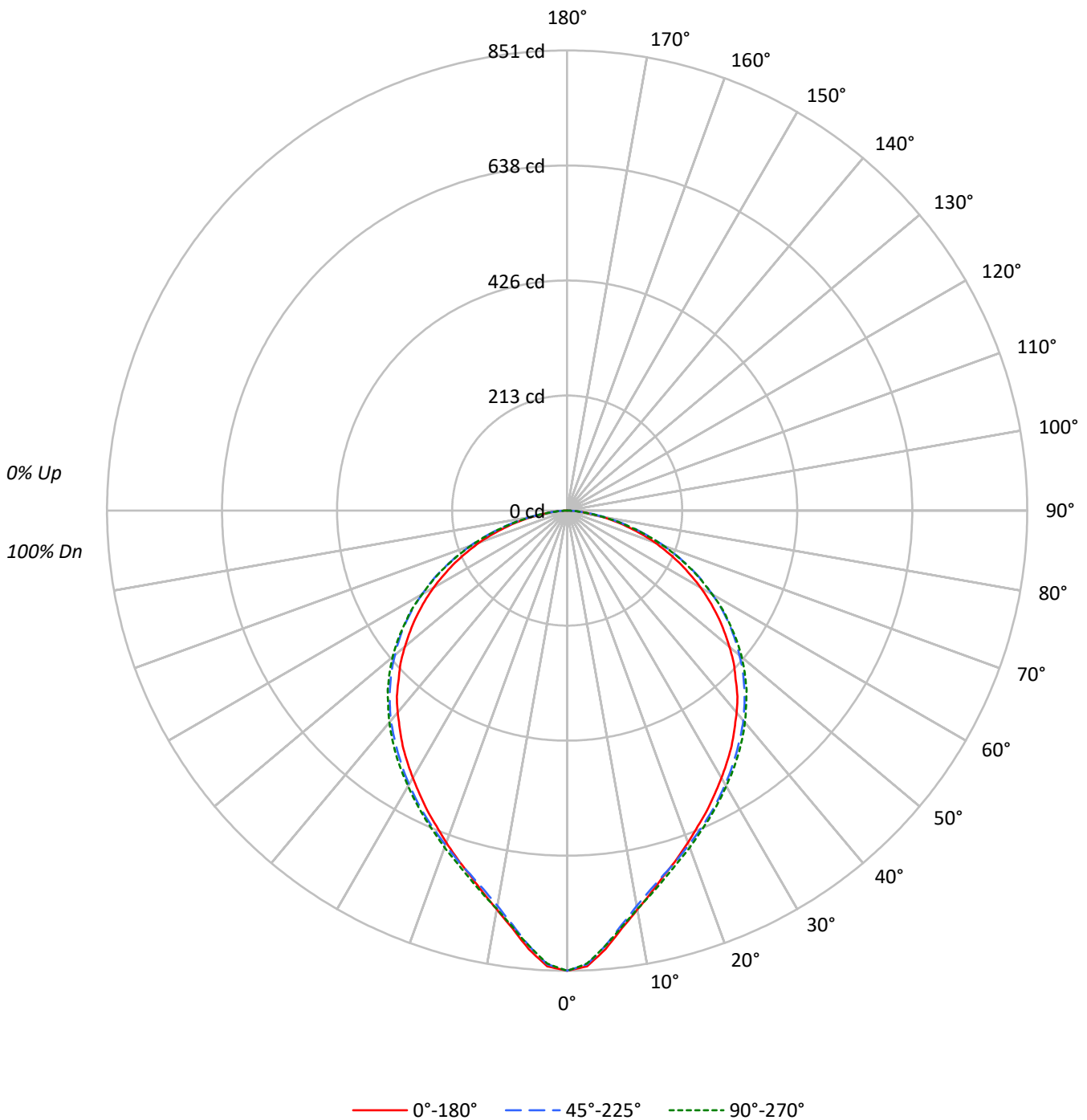
Lumens per Lamp: N/A
Luminaire Lumens: 1976.6 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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	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°	4580	4580	4580
5°	4398	4366	4366
10°	4093	4056	4087
15°	3884	3876	3914
20°	3741	3768	3797
25°	3634	3694	3715
30°	3547	3634	3657
35°	3485	3587	3624
40°	3424	3563	3593
45°	3354	3528	3570
50°	3280	3484	3531
55°	3188	3433	3447
60°	3074	3339	3333
65°	2914	3212	3190
70°	2721	2995	2958
75°	2402	2653	2626
80°	1949	2160	2055
85°	1352	1377	1328



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	3.8
10°-20°	197.0	10.0
20°-30°	286.4	14.5
30°-40°	340.8	17.2
40°-50°	353.9	17.9
50°-60°	320.6	16.2
60°-70°	241.9	12.2
70°-80°	131.8	6.7
80°-90°	29.0	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°	558.6	28.3
0°-40°	899.4	45.5
0°-60°	1573.9	79.6
0°-90°	1976.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1976.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	851	851	851	851	851	
5°	814	812	808	808	808	76
15°	697	695	696	700	702	197
25°	612	617	622	627	626	282
35°	530	537	546	554	552	332
45°	441	448	464	469	469	341
55°	340	348	366	368	367	303
65°	229	235	252	252	250	226
75°	116	120	128	128	126	123
85°	22	22	22	22	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	851.0	851.0	851.0	851.0	851.0
2.5°	843.5	842.7	839.9	838.8	838.6
5°	814.0	812.0	808.2	807.8	808.2
7.5°	778.7	776.5	772.7	774.2	776.1
10°	748.9	743.6	742.1	744.2	747.8
12.5°	722.3	718.1	716.8	722.3	724.9
15°	697.0	695.3	695.7	700.4	702.5
17.5°	675.1	674.0	676.8	680.4	681.5
20°	653.2	655.3	657.9	661.7	663.0
22.5°	631.7	635.8	640.0	645.1	643.4
25°	612.0	617.1	622.0	627.1	625.6
27.5°	590.9	596.9	603.7	609.2	607.1
30°	570.7	578.1	584.7	591.5	588.4
32.5°	550.7	557.7	565.6	573.9	570.3
35°	530.5	536.9	546.0	554.3	551.6
37.5°	508.2	516.1	526.5	533.7	531.8
40°	487.4	494.6	507.1	511.8	511.4
42.5°	466.3	472.3	485.4	490.8	489.9
45°	440.6	448.4	463.5	468.6	469.1
47.5°	417.8	424.4	440.6	444.6	445.5
50°	391.7	400.0	416.1	421.0	421.7
52.5°	365.9	374.9	391.5	394.9	395.5
55°	339.8	347.9	365.9	368.5	367.4
57.5°	312.4	322.1	338.7	340.0	341.1
60°	285.6	294.1	310.2	311.9	309.6
62.5°	256.4	265.2	281.7	282.2	280.2
65°	228.8	235.4	252.2	251.8	250.5
67.5°	199.9	207.9	220.3	220.7	219.7
70°	172.9	178.4	190.3	190.5	188.0
72.5°	143.7	149.7	159.3	158.0	157.4
75°	115.5	120.1	127.6	128.4	126.3
77.5°	89.5	92.9	98.5	97.8	95.5
80°	62.9	65.7	69.7	68.9	66.3
82.5°	40.2	41.9	44.4	43.4	42.3
85°	21.9	22.1	22.3	22.1	21.5
87.5°	8.1	8.3	8.3	8.1	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)