

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: P489990

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-40-120-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: P489990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
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-A12125-LD4-2LO-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

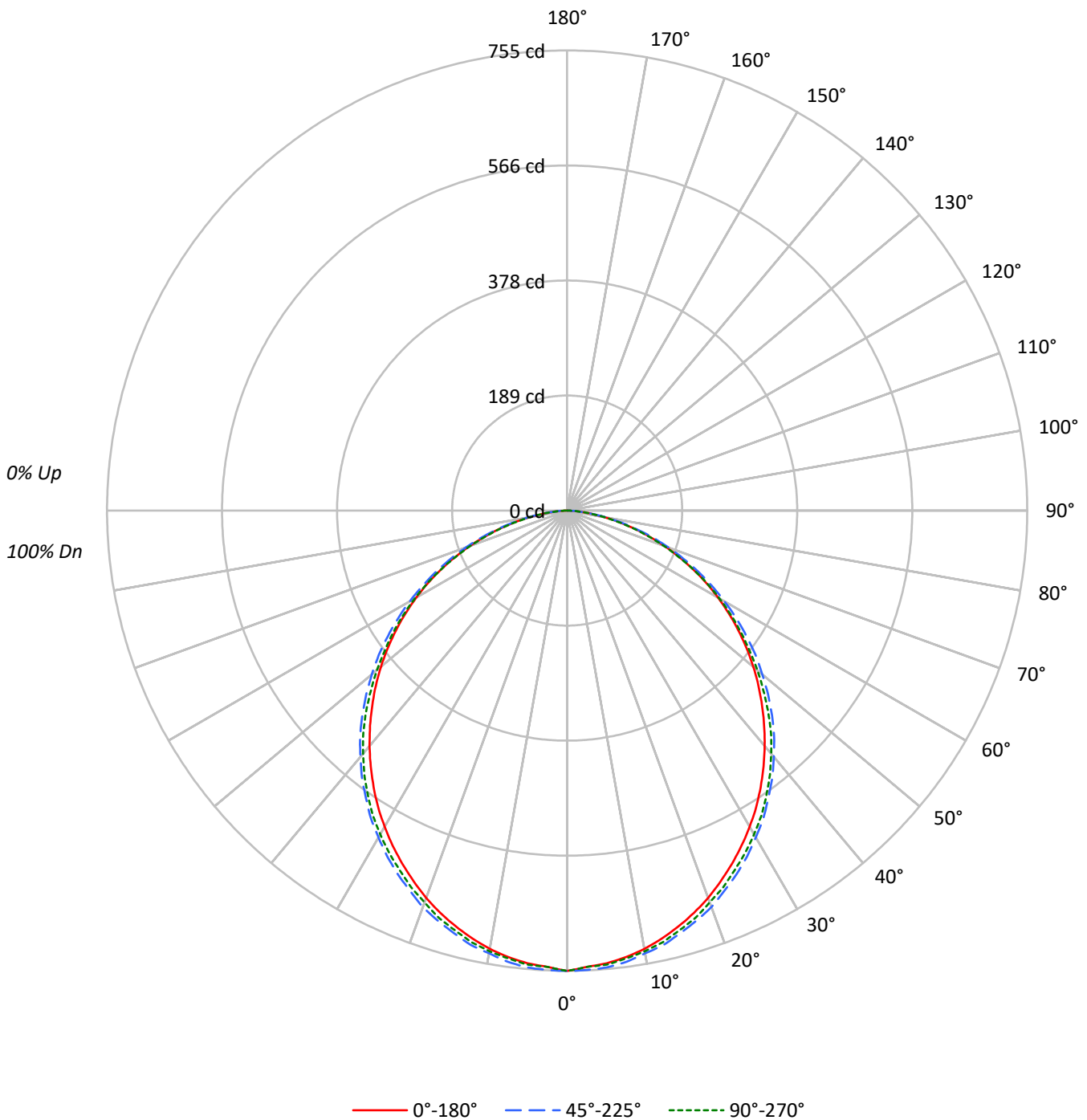
Lumens per Lamp: N/A
Luminaire Lumens: 1985.8 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4065	4065	4065
5°	4028	4065	4041
10°	3991	4031	4012
15°	3935	3999	3971
20°	3873	3966	3918
25°	3798	3908	3863
30°	3721	3847	3812
35°	3637	3782	3746
40°	3543	3706	3659
45°	3443	3617	3549
50°	3340	3502	3410
55°	3218	3369	3266
60°	3082	3210	3111
65°	2905	3016	2906
70°	2672	2781	2642
75°	2354	2460	2316
80°	1912	1996	1891
85°	1334	1420	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.6
10°-20°	201.6	10.2
20°-30°	300.7	15.1
30°-40°	356.3	17.9
40°-50°	360.5	18.2
50°-60°	314.8	15.9
60°-70°	230.1	11.6
70°-80°	122.4	6.2
80°-90°	28.3	1.4
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°	573.4	28.9
0°-40°	929.7	46.8
0°-60°	1605.0	80.8
0°-90°	1985.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1985.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	755	755	755	755	755	
5°	746	747	752	754	748	71
15°	706	711	718	722	713	199
25°	640	647	658	661	651	295
35°	554	562	576	580	570	346
45°	452	460	475	476	466	349
55°	343	350	359	354	348	307
65°	228	233	237	232	228	226
75°	113	116	118	114	111	120
85°	22	22	23	23	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.3	755.3	755.3	755.3	755.3
2.5°	749.4	751.9	754.4	755.5	749.3
5°	745.5	746.9	752.5	754.2	747.9
7.5°	739.0	741.2	746.6	747.4	741.2
10°	730.2	734.0	737.6	741.6	734.1
12.5°	719.0	724.1	730.2	730.9	725.3
15°	706.3	711.0	717.7	722.0	712.7
17.5°	692.1	696.7	705.4	706.1	700.5
20°	676.3	682.0	692.4	694.2	684.0
22.5°	658.4	666.0	674.7	676.4	668.9
25°	639.6	647.4	658.1	660.6	650.6
27.5°	619.9	627.4	639.5	641.2	632.8
30°	598.8	605.9	619.1	622.0	613.4
32.5°	577.4	584.5	599.1	601.6	593.2
35°	553.6	562.3	575.6	579.6	570.2
37.5°	529.4	537.8	552.9	556.5	546.5
40°	504.3	512.6	527.5	530.5	520.8
42.5°	478.6	487.0	502.9	503.3	495.3
45°	452.4	460.5	475.2	475.6	466.3
47.5°	425.8	433.9	447.2	445.7	436.8
50°	398.9	406.6	418.2	415.2	407.3
52.5°	371.1	378.5	389.5	384.6	377.1
55°	343.0	350.0	359.1	353.9	348.1
57.5°	314.8	321.8	328.8	323.5	318.5
60°	286.3	292.4	298.2	292.8	289.0
62.5°	257.3	262.6	267.6	262.5	258.8
65°	228.1	232.7	236.8	232.1	228.2
67.5°	198.9	202.9	206.7	201.8	197.8
70°	169.8	173.2	176.7	171.6	167.9
72.5°	141.1	144.1	147.2	142.3	139.1
75°	113.2	115.8	118.3	114.0	111.4
77.5°	86.5	88.7	90.4	87.7	85.2
80°	61.7	63.4	64.4	63.3	61.0
82.5°	39.7	40.8	41.4	41.3	39.8
85°	21.6	22.0	23.0	23.2	22.4
87.5°	8.3	8.9	9.1	9.8	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)