

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: P489991

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-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: P489991
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
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

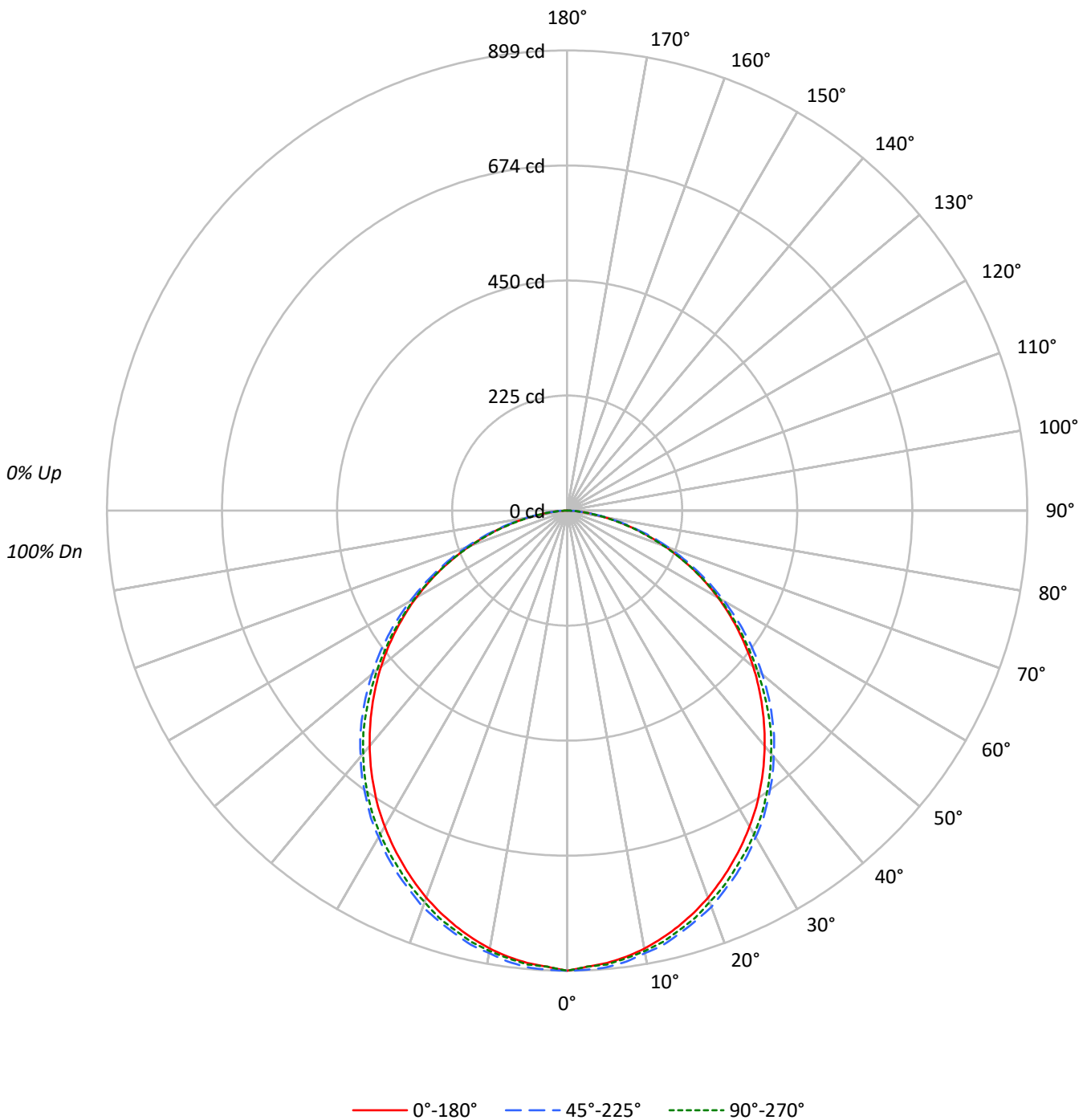
Lumens per Lamp: N/A
Luminaire Lumens: 2363.4 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P489991

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-40-120-EDD

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°	4838	4838	4838
5°	4793	4838	4809
10°	4750	4798	4775
15°	4684	4759	4726
20°	4610	4719	4663
25°	4520	4651	4598
30°	4429	4579	4537
35°	4329	4501	4459
40°	4217	4411	4354
45°	4099	4305	4223
50°	3975	4167	4058
55°	3831	4010	3887
60°	3667	3820	3702
65°	3456	3589	3459
70°	3180	3309	3146
75°	2801	2928	2757
80°	2275	2374	2250
85°	1587	1686	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	3.6
10°-20°	239.9	10.2
20°-30°	357.8	15.1
30°-40°	424.0	17.9
40°-50°	429.1	18.2
50°-60°	374.7	15.9
60°-70°	273.8	11.6
70°-80°	145.7	6.2
80°-90°	33.7	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°	682.4	28.9
0°-40°	1106.4	46.8
0°-60°	1910.2	80.8
0°-90°	2363.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2363.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	887	889	896	898	890	84
15°	841	846	854	859	848	237
25°	761	770	783	786	774	351
35°	659	669	685	690	679	412
45°	538	548	566	566	555	415
55°	408	416	427	421	414	365
65°	271	277	282	276	272	269
75°	135	138	141	136	133	143
85°	26	26	27	28	27	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.0	899.0	899.0	899.0	899.0
2.5°	891.9	894.8	897.8	899.1	891.8
5°	887.2	888.9	895.6	897.6	890.1
7.5°	879.6	882.1	888.6	889.5	882.2
10°	869.1	873.6	877.9	882.6	873.7
12.5°	855.7	861.8	869.1	869.9	863.2
15°	840.6	846.2	854.2	859.3	848.2
17.5°	823.7	829.2	839.5	840.4	833.7
20°	804.9	811.7	824.0	826.2	814.1
22.5°	783.6	792.6	803.0	805.0	796.1
25°	761.2	770.5	783.3	786.2	774.3
27.5°	737.8	746.8	761.1	763.1	753.1
30°	712.7	721.1	736.8	740.3	730.1
32.5°	687.2	695.6	713.0	715.9	706.0
35°	658.9	669.2	685.0	689.8	678.7
37.5°	630.1	640.1	658.1	662.4	650.4
40°	600.2	610.1	627.8	631.4	619.8
42.5°	569.6	579.6	598.5	599.1	589.5
45°	538.5	548.0	565.6	566.1	554.9
47.5°	506.8	516.4	532.2	530.4	519.9
50°	474.8	483.9	497.7	494.2	484.7
52.5°	441.6	450.5	463.5	457.7	448.8
55°	408.3	416.5	427.4	421.2	414.3
57.5°	374.6	383.0	391.3	385.0	379.0
60°	340.7	348.0	354.9	348.5	343.9
62.5°	306.3	312.5	318.4	312.4	308.0
65°	271.4	277.0	281.8	276.2	271.6
67.5°	236.8	241.5	246.0	240.1	235.4
70°	202.1	206.1	210.3	204.3	199.9
72.5°	167.9	171.5	175.1	169.3	165.5
75°	134.7	137.8	140.8	135.6	132.6
77.5°	102.9	105.6	107.6	104.3	101.4
80°	73.4	75.4	76.6	75.3	72.6
82.5°	47.2	48.6	49.3	49.2	47.4
85°	25.7	26.1	27.3	27.6	26.7
87.5°	9.9	10.6	10.9	11.7	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)