

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: P489961

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-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: P489961
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-LD4-1STD-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

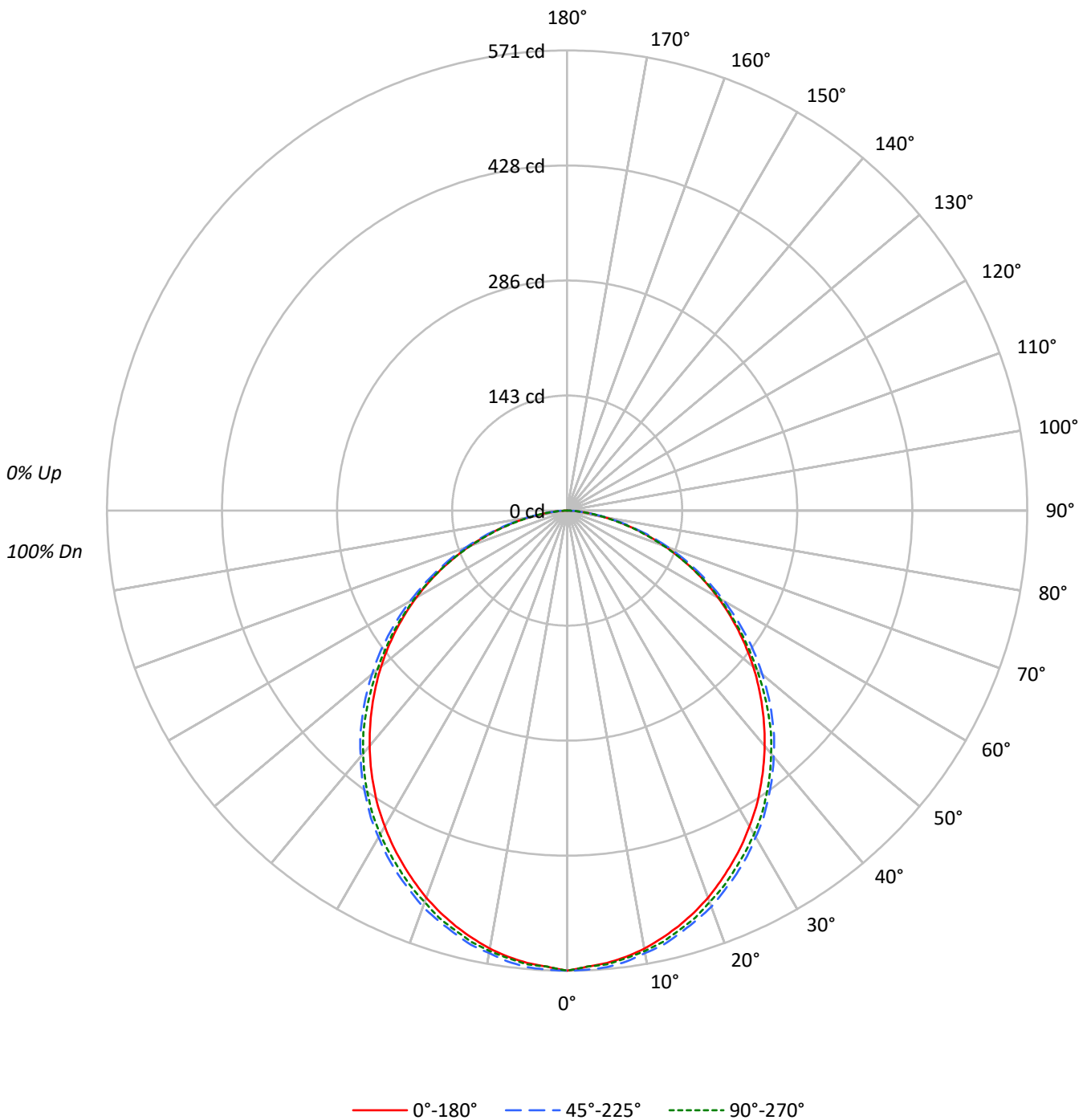
Lumens per Lamp: N/A
Luminaire Lumens: 1501.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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	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°	3073	3073	3073
5°	3044	3073	3054
10°	3017	3047	3033
15°	2975	3023	3002
20°	2928	2997	2961
25°	2871	2954	2920
30°	2813	2908	2882
35°	2750	2859	2832
40°	2678	2801	2766
45°	2603	2734	2682
50°	2524	2647	2577
55°	2433	2547	2469
60°	2329	2426	2351
65°	2195	2280	2197
70°	2020	2101	1997
75°	1778	1859	1751
80°	1444	1509	1429
85°	1007	1074	1050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	3.6
10°-20°	152.4	10.2
20°-30°	227.3	15.1
30°-40°	269.3	17.9
40°-50°	272.5	18.2
50°-60°	238.0	15.9
60°-70°	173.9	11.6
70°-80°	92.5	6.2
80°-90°	21.4	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°	433.4	28.9
0°-40°	702.7	46.8
0°-60°	1213.2	80.8
0°-90°	1501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	564	565	569	570	565	53
15°	534	537	542	546	539	151
25°	483	489	498	499	492	223
35°	418	425	435	438	431	262
45°	342	348	359	360	352	264
55°	259	264	271	268	263	232
65°	172	176	179	175	172	171
75°	86	88	89	86	84	91
85°	16	17	17	18	17	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	570.9	570.9	570.9	570.9	570.9
2.5°	566.5	568.3	570.2	571.0	566.4
5°	563.5	564.6	568.8	570.1	565.3
7.5°	558.6	560.2	564.3	564.9	560.3
10°	552.0	554.8	557.5	560.5	554.9
12.5°	543.4	547.3	552.0	552.5	548.2
15°	533.9	537.4	542.5	545.8	538.7
17.5°	523.2	526.6	533.2	533.7	529.5
20°	511.2	515.5	523.3	524.7	517.0
22.5°	497.6	503.4	510.0	511.3	505.6
25°	483.4	489.4	497.5	499.3	491.8
27.5°	468.6	474.3	483.4	484.7	478.3
30°	452.6	458.0	468.0	470.2	463.7
32.5°	436.4	441.8	452.9	454.7	448.4
35°	418.5	425.0	435.1	438.1	431.0
37.5°	400.1	406.5	417.9	420.7	413.1
40°	381.2	387.5	398.7	401.0	393.7
42.5°	361.8	368.1	380.1	380.5	374.4
45°	342.0	348.0	359.2	359.5	352.4
47.5°	321.9	328.0	338.0	336.9	330.2
50°	301.5	307.4	316.1	313.8	307.8
52.5°	280.5	286.1	294.4	290.7	285.0
55°	259.3	264.5	271.4	267.5	263.1
57.5°	237.9	243.2	248.5	244.5	240.7
60°	216.4	221.0	225.4	221.3	218.4
62.5°	194.5	198.5	202.2	198.4	195.6
65°	172.4	175.9	179.0	175.4	172.5
67.5°	150.4	153.3	156.2	152.5	149.5
70°	128.4	130.9	133.5	129.7	126.9
72.5°	106.7	108.9	111.2	107.5	105.1
75°	85.5	87.5	89.4	86.1	84.2
77.5°	65.4	67.0	68.3	66.3	64.4
80°	46.6	47.9	48.7	47.8	46.1
82.5°	30.0	30.9	31.3	31.2	30.1
85°	16.3	16.6	17.4	17.5	17.0
87.5°	6.3	6.7	6.9	7.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)