

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: P489989

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-35-120-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: P489989
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-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

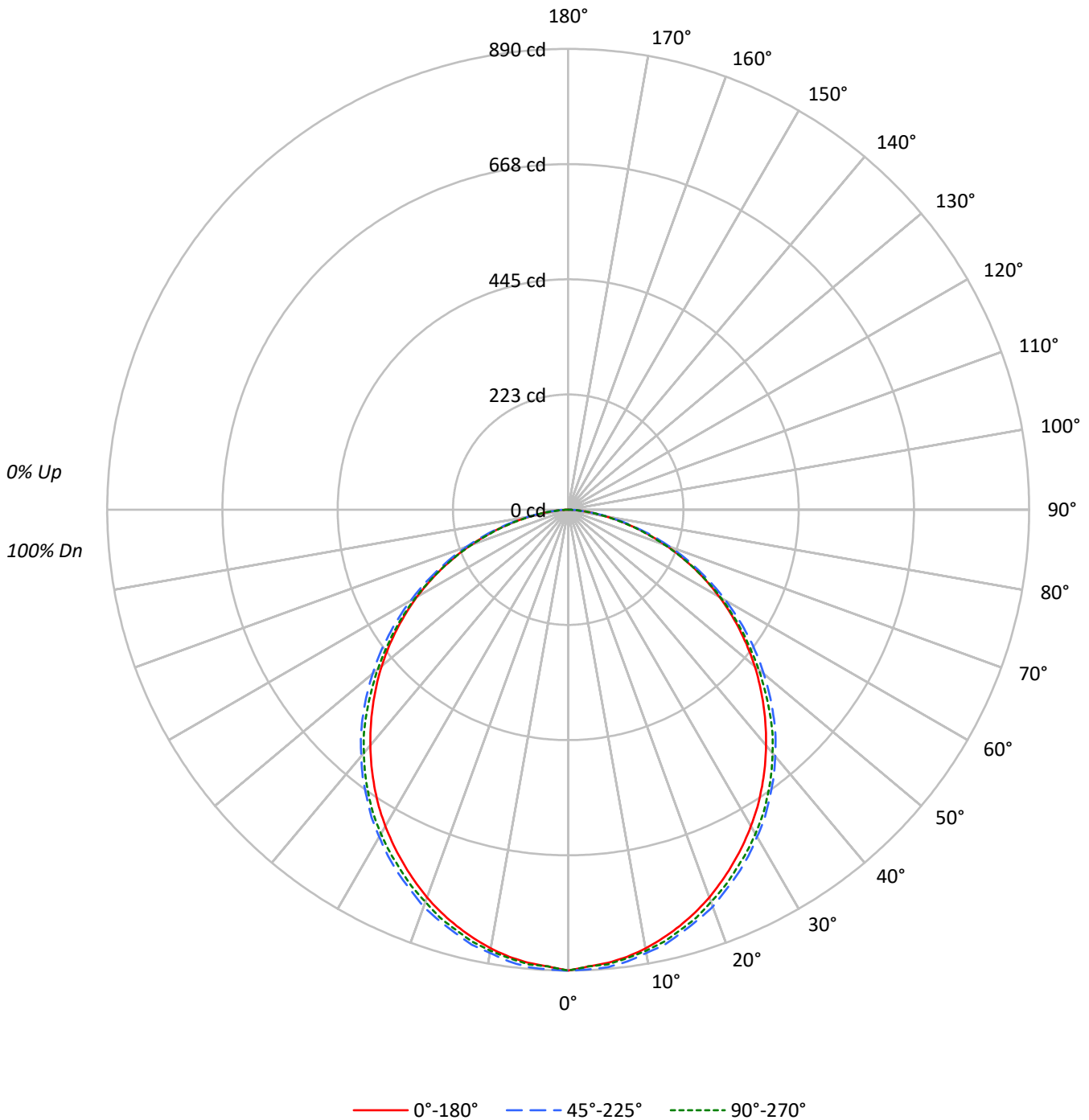
Lumens per Lamp: N/A
Luminaire Lumens: 2340.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	4790	4790	4790
5°	4746	4790	4761
10°	4703	4750	4727
15°	4637	4712	4679
20°	4564	4673	4616
25°	4475	4605	4552
30°	4385	4534	4492
35°	4286	4457	4414
40°	4175	4367	4312
45°	4058	4262	4182
50°	3936	4126	4018
55°	3793	3970	3849
60°	3632	3782	3665
65°	3422	3553	3424
70°	3149	3276	3114
75°	2774	2899	2730
80°	2253	2352	2228
85°	1568	1673	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	3.6
10°-20°	237.5	10.2
20°-30°	354.3	15.1
30°-40°	419.8	17.9
40°-50°	424.8	18.2
50°-60°	371.0	15.9
60°-70°	271.1	11.6
70°-80°	144.3	6.2
80°-90°	33.4	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°	675.7	28.9
0°-40°	1095.5	46.8
0°-60°	1891.3	80.8
0°-90°	2340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	878	880	887	889	881	83
15°	832	838	846	851	840	235
25°	754	763	776	778	767	347
35°	652	663	678	683	672	408
45°	533	543	560	560	549	411
55°	404	412	423	417	410	361
65°	269	274	279	274	269	266
75°	133	136	139	134	131	142
85°	25	26	27	27	26	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.1	890.1	890.1	890.1	890.1
2.5°	883.1	886.0	888.9	890.2	883.0
5°	878.5	880.1	886.7	888.8	881.2
7.5°	870.9	873.4	879.8	880.7	873.5
10°	860.5	864.9	869.2	873.8	865.0
12.5°	847.2	853.2	860.5	861.3	854.6
15°	832.3	837.8	845.7	850.8	839.8
17.5°	815.6	821.0	831.2	832.1	825.4
20°	796.9	803.6	815.9	818.0	806.0
22.5°	775.8	784.8	795.0	797.0	788.2
25°	753.6	762.9	775.5	778.4	766.6
27.5°	730.5	739.4	753.5	755.6	745.7
30°	705.6	714.0	729.5	733.0	722.9
32.5°	680.4	688.7	706.0	708.9	699.0
35°	652.4	662.6	678.3	683.0	671.9
37.5°	623.8	633.7	651.5	655.8	643.9
40°	594.2	604.1	621.6	625.1	613.7
42.5°	564.0	573.8	592.6	593.1	583.7
45°	533.1	542.6	560.0	560.5	549.4
47.5°	501.8	511.3	526.9	525.1	514.8
50°	470.1	479.2	492.8	489.3	479.9
52.5°	437.2	446.0	458.9	453.2	444.4
55°	404.2	412.4	423.1	417.0	410.2
57.5°	370.9	379.2	387.4	381.2	375.3
60°	337.4	344.6	351.4	345.1	340.5
62.5°	303.2	309.5	315.3	309.3	305.0
65°	268.7	274.2	279.0	273.5	268.9
67.5°	234.4	239.1	243.5	237.8	233.0
70°	200.1	204.1	208.2	202.3	197.9
72.5°	166.3	169.8	173.4	167.7	163.9
75°	133.4	136.4	139.4	134.3	131.3
77.5°	101.9	104.5	106.6	103.3	100.4
80°	72.7	74.7	75.9	74.6	71.9
82.5°	46.7	48.1	48.8	48.7	46.9
85°	25.4	25.9	27.1	27.4	26.4
87.5°	9.8	10.5	10.8	11.6	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)