

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: P489957

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-50-120-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: P489957
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-LD4-1LO-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

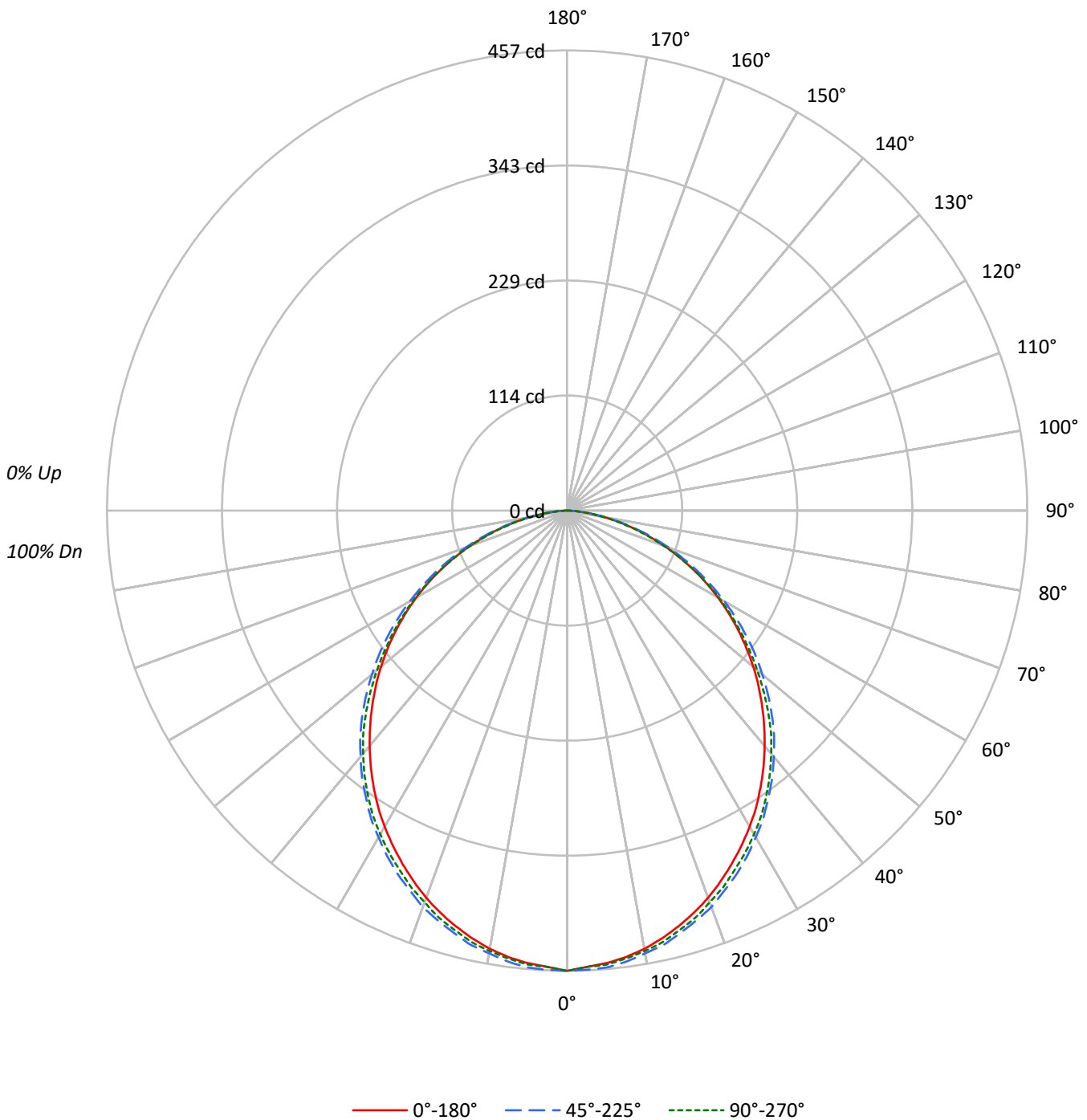
Lumens per Lamp: N/A
Luminaire Lumens: 1201.7 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	2460	2460	2460
5°	2437	2460	2445
10°	2415	2440	2428
15°	2381	2420	2403
20°	2344	2400	2371
25°	2298	2365	2338
30°	2252	2328	2307
35°	2201	2288	2267
40°	2144	2243	2214
45°	2084	2189	2148
50°	2021	2119	2063
55°	1948	2039	1976
60°	1865	1942	1883
65°	1757	1825	1759
70°	1618	1682	1599
75°	1424	1489	1402
80°	1156	1209	1144
85°	803	858	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	3.6
10°-20°	122.0	10.2
20°-30°	181.9	15.1
30°-40°	215.6	17.9
40°-50°	218.2	18.2
50°-60°	190.5	15.9
60°-70°	139.2	11.6
70°-80°	74.1	6.2
80°-90°	17.1	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°	347.0	28.9
0°-40°	562.6	46.8
0°-60°	971.3	80.8
0°-90°	1201.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	451	452	455	456	453	43
15°	427	430	434	437	431	120
25°	387	392	398	400	394	178
35°	335	340	348	351	345	210
45°	274	279	288	288	282	211
55°	208	212	217	214	211	186
65°	138	141	143	140	138	137
75°	68	70	72	69	67	73
85°	13	13	14	14	14	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	457.1	457.1	457.1	457.1	457.1
2.5°	453.5	455.0	456.5	457.2	453.5
5°	451.1	452.0	455.4	456.4	452.6
7.5°	447.2	448.5	451.8	452.3	448.6
10°	441.9	444.2	446.4	448.7	444.2
12.5°	435.1	438.2	441.9	442.3	438.9
15°	427.4	430.3	434.3	436.9	431.3
17.5°	418.8	421.6	426.8	427.3	423.9
20°	409.3	412.7	419.0	420.1	413.9
22.5°	398.4	403.0	408.3	409.3	404.8
25°	387.0	391.8	398.3	399.7	393.7
27.5°	375.1	379.7	387.0	388.0	382.9
30°	362.4	366.6	374.6	376.4	371.2
32.5°	349.4	353.7	362.6	364.0	359.0
35°	335.0	340.3	348.3	350.7	345.1
37.5°	320.4	325.5	334.6	336.8	330.7
40°	305.2	310.2	319.2	321.0	315.2
42.5°	289.6	294.7	304.3	304.6	299.7
45°	273.8	278.6	287.6	287.8	282.2
47.5°	257.7	262.6	270.6	269.7	264.4
50°	241.4	246.1	253.1	251.3	246.4
52.5°	224.5	229.1	235.7	232.7	228.2
55°	207.6	211.8	217.3	214.2	210.6
57.5°	190.5	194.7	199.0	195.8	192.7
60°	173.3	177.0	180.4	177.2	174.9
62.5°	155.7	158.9	161.9	158.8	156.6
65°	138.0	140.8	143.3	140.4	138.1
67.5°	120.4	122.8	125.1	122.1	119.7
70°	102.8	104.8	106.9	103.9	101.6
72.5°	85.4	87.2	89.1	86.1	84.1
75°	68.5	70.1	71.6	69.0	67.4
77.5°	52.3	53.7	54.7	53.1	51.6
80°	37.3	38.3	39.0	38.3	36.9
82.5°	24.0	24.7	25.0	25.0	24.1
85°	13.0	13.3	13.9	14.0	13.6
87.5°	5.0	5.4	5.5	6.0	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)