

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: P489953

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-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: P489953  
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-35-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

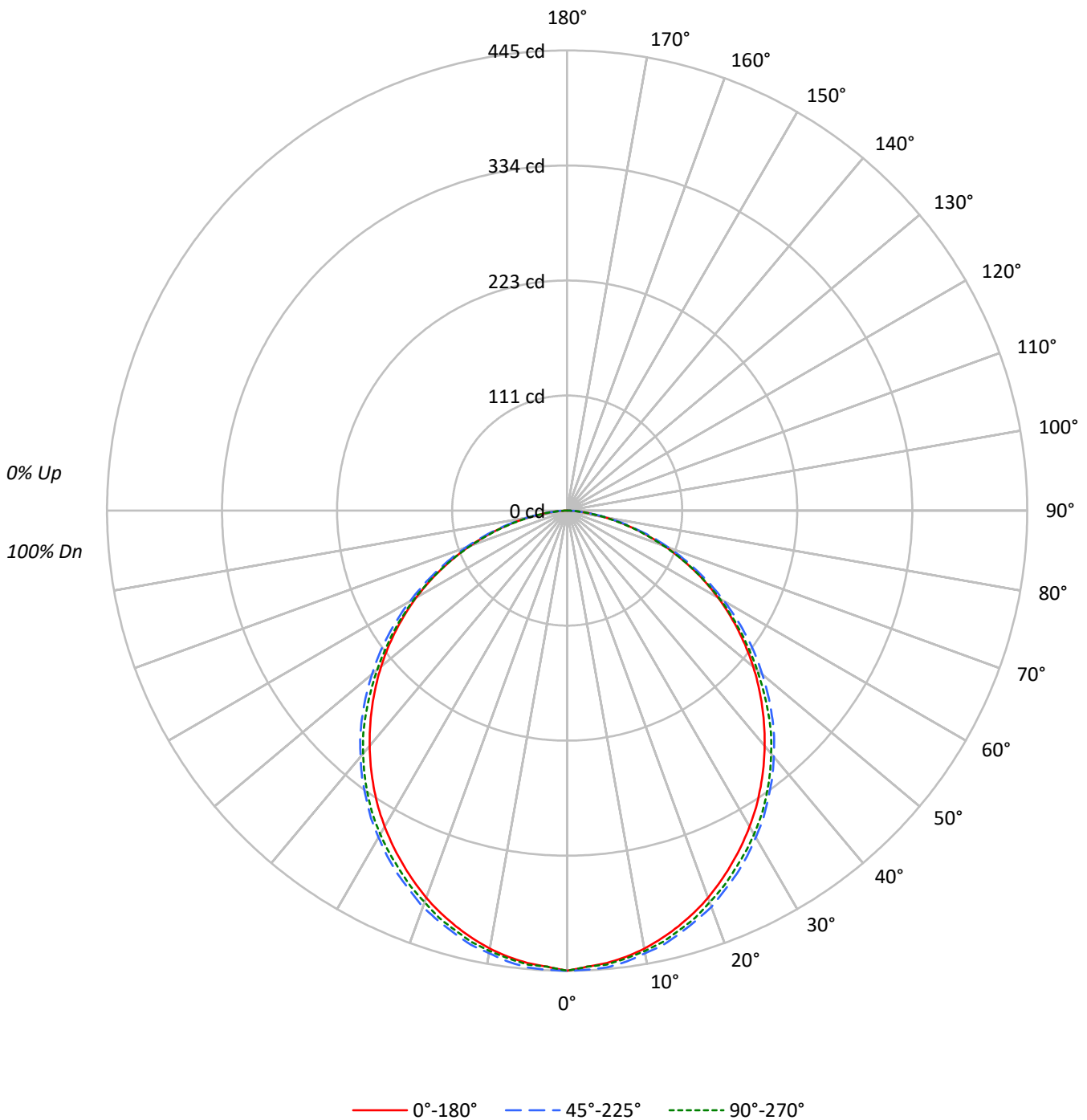
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1170.0 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): 11.7  
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	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													100															
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85													85															
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71													71															
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60													60															
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51													51															
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45													45															
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39													39															
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35													35															
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31													31															
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28													28															
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25													25															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2395	2395	2395
5°	2373	2395	2380
10°	2351	2375	2364
15°	2318	2356	2340
20°	2282	2336	2308
25°	2238	2303	2276
30°	2192	2267	2246
35°	2143	2228	2208
40°	2087	2184	2156
45°	2029	2131	2091
50°	1968	2063	2009
55°	1896	1985	1924
60°	1816	1891	1833
65°	1712	1777	1713
70°	1575	1638	1556
75°	1387	1449	1366
80°	1128	1175	1113
85°	784	834	815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.9	3.6
10°-20°	118.8	10.2
20°-30°	177.1	15.1
30°-40°	209.9	17.9
40°-50°	212.4	18.2
50°-60°	185.5	15.9
60°-70°	135.6	11.6
70°-80°	72.1	6.2
80°-90°	16.7	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°	337.8	28.9
0°-40°	547.7	46.8
0°-60°	945.7	80.8
0°-90°	1170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	445	445	445	445	445	
5°	439	440	443	444	441	42
15°	416	419	423	425	420	117
25°	377	382	388	389	383	174
35°	326	331	339	342	336	204
45°	267	271	280	280	275	206
55°	202	206	212	208	205	181
65°	134	137	140	137	134	133
75°	67	68	70	67	66	71
85°	13	13	14	14	13	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	445.0	445.0	445.0	445.0	445.0
2.5°	441.5	443.0	444.5	445.1	441.5
5°	439.2	440.1	443.4	444.4	440.6
7.5°	435.4	436.7	439.9	440.3	436.7
10°	430.2	432.5	434.6	436.9	432.5
12.5°	423.6	426.6	430.2	430.7	427.3
15°	416.1	418.9	422.9	425.4	419.9
17.5°	407.8	410.5	415.6	416.0	412.7
20°	398.5	401.8	407.9	409.0	403.0
22.5°	387.9	392.4	397.5	398.5	394.1
25°	376.8	381.5	387.8	389.2	383.3
27.5°	365.2	369.7	376.8	377.8	372.8
30°	352.8	357.0	364.8	366.5	361.4
32.5°	340.2	344.4	353.0	354.4	349.5
35°	326.2	331.3	339.1	341.5	336.0
37.5°	311.9	316.9	325.8	327.9	322.0
40°	297.1	302.0	310.8	312.6	306.9
42.5°	282.0	286.9	296.3	296.6	291.8
45°	266.6	271.3	280.0	280.2	274.7
47.5°	250.9	255.7	263.5	262.6	257.4
50°	235.0	239.6	246.4	244.6	239.9
52.5°	218.6	223.0	229.5	226.6	222.2
55°	202.1	206.2	211.6	208.5	205.1
57.5°	185.5	189.6	193.7	190.6	187.6
60°	168.7	172.3	175.7	172.5	170.3
62.5°	151.6	154.7	157.6	154.6	152.5
65°	134.4	137.1	139.5	136.7	134.5
67.5°	117.2	119.5	121.8	118.9	116.5
70°	100.1	102.1	104.1	101.1	98.9
72.5°	83.1	84.9	86.7	83.8	81.9
75°	66.7	68.2	69.7	67.1	65.7
77.5°	51.0	52.3	53.3	51.7	50.2
80°	36.4	37.3	37.9	37.3	35.9
82.5°	23.4	24.1	24.4	24.3	23.5
85°	12.7	12.9	13.5	13.7	13.2
87.5°	4.9	5.2	5.4	5.8	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)