

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: P490107

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-30-120-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: P490107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)  
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-P12125-LD4-1STD-30-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

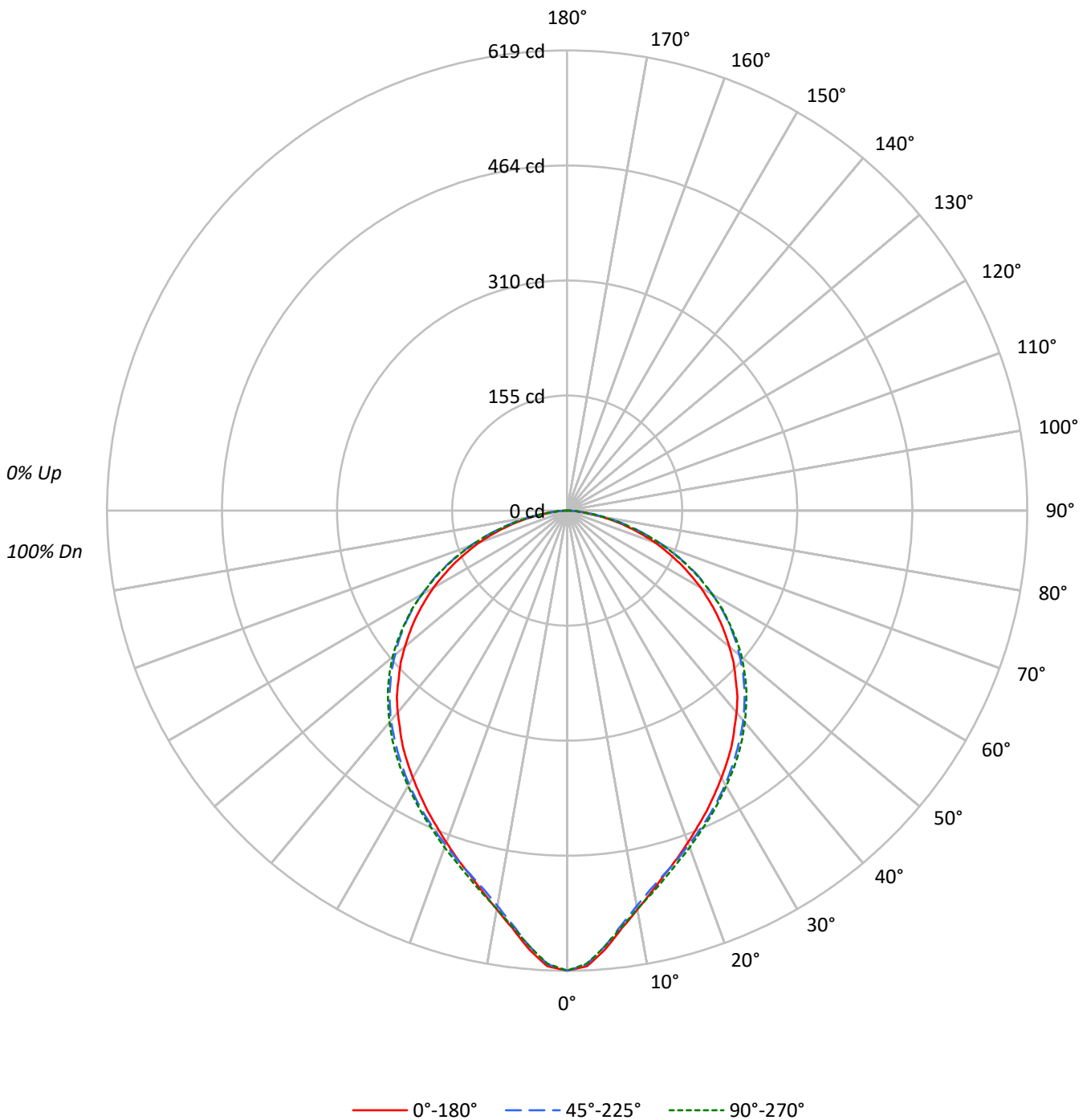
Lumens per Lamp: N/A  
Luminaire Lumens: 1437.3 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	3330	3330	3330
5°	3198	3175	3175
10°	2976	2949	2972
15°	2824	2819	2847
20°	2720	2740	2761
25°	2643	2686	2701
30°	2579	2642	2659
35°	2535	2609	2635
40°	2490	2591	2613
45°	2439	2566	2596
50°	2385	2534	2567
55°	2319	2497	2507
60°	2235	2428	2423
65°	2119	2336	2319
70°	1978	2178	2151
75°	1747	1930	1909
80°	1420	1571	1494
85°	982	1000	963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.7	3.8
10°-20°	143.2	10.0
20°-30°	208.3	14.5
30°-40°	247.8	17.2
40°-50°	257.3	17.9
50°-60°	233.1	16.2
60°-70°	175.9	12.2
70°-80°	95.9	6.7
80°-90°	21.1	1.5
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°	406.2	28.3
0°-40°	654.0	45.5
0°-60°	1144.5	79.6
0°-90°	1437.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	619	619	619	619	619	
5°	592	590	588	587	588	55
15°	507	506	506	509	511	143
25°	445	449	452	456	455	205
35°	386	390	397	403	401	241
45°	320	326	337	341	341	248
55°	247	253	266	268	267	221
65°	166	171	183	183	182	164
75°	84	87	93	93	92	89
85°	16	16	16	16	16	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	618.8	618.8	618.8	618.8	618.8
2.5°	613.4	612.7	610.7	610.0	609.8
5°	591.9	590.5	587.7	587.4	587.7
7.5°	566.2	564.7	561.9	563.0	564.4
10°	544.6	540.7	539.6	541.2	543.8
12.5°	525.2	522.1	521.2	525.2	527.1
15°	506.8	505.6	505.9	509.3	510.9
17.5°	490.9	490.1	492.1	494.8	495.6
20°	475.0	476.5	478.4	481.2	482.1
22.5°	459.4	462.3	465.4	469.1	467.9
25°	445.0	448.7	452.3	456.0	454.9
27.5°	429.7	434.0	439.0	443.0	441.4
30°	415.0	420.4	425.2	430.1	427.8
32.5°	400.5	405.6	411.3	417.3	414.7
35°	385.8	390.4	397.1	403.1	401.1
37.5°	369.5	375.3	382.8	388.1	386.7
40°	354.4	359.6	368.8	372.2	371.9
42.5°	339.1	343.4	353.0	356.9	356.2
45°	320.4	326.1	337.1	340.8	341.1
47.5°	303.8	308.6	320.4	323.3	323.9
50°	284.8	290.8	302.6	306.1	306.6
52.5°	266.1	272.6	284.6	287.1	287.6
55°	247.1	252.9	266.1	268.0	267.2
57.5°	227.1	234.2	246.3	247.2	248.0
60°	207.6	213.8	225.6	226.8	225.1
62.5°	186.5	192.8	204.9	205.2	203.8
65°	166.4	171.2	183.4	183.1	182.1
67.5°	145.3	151.2	160.2	160.5	159.7
70°	125.7	129.7	138.4	138.5	136.7
72.5°	104.5	108.8	115.8	114.9	114.4
75°	84.0	87.4	92.8	93.4	91.8
77.5°	65.1	67.6	71.6	71.1	69.4
80°	45.8	47.8	50.7	50.1	48.2
82.5°	29.2	30.5	32.3	31.5	30.8
85°	15.9	16.1	16.2	16.1	15.6
87.5°	5.9	6.0	6.0	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)