

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: P489959

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-20-120-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: P489959  
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-20-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

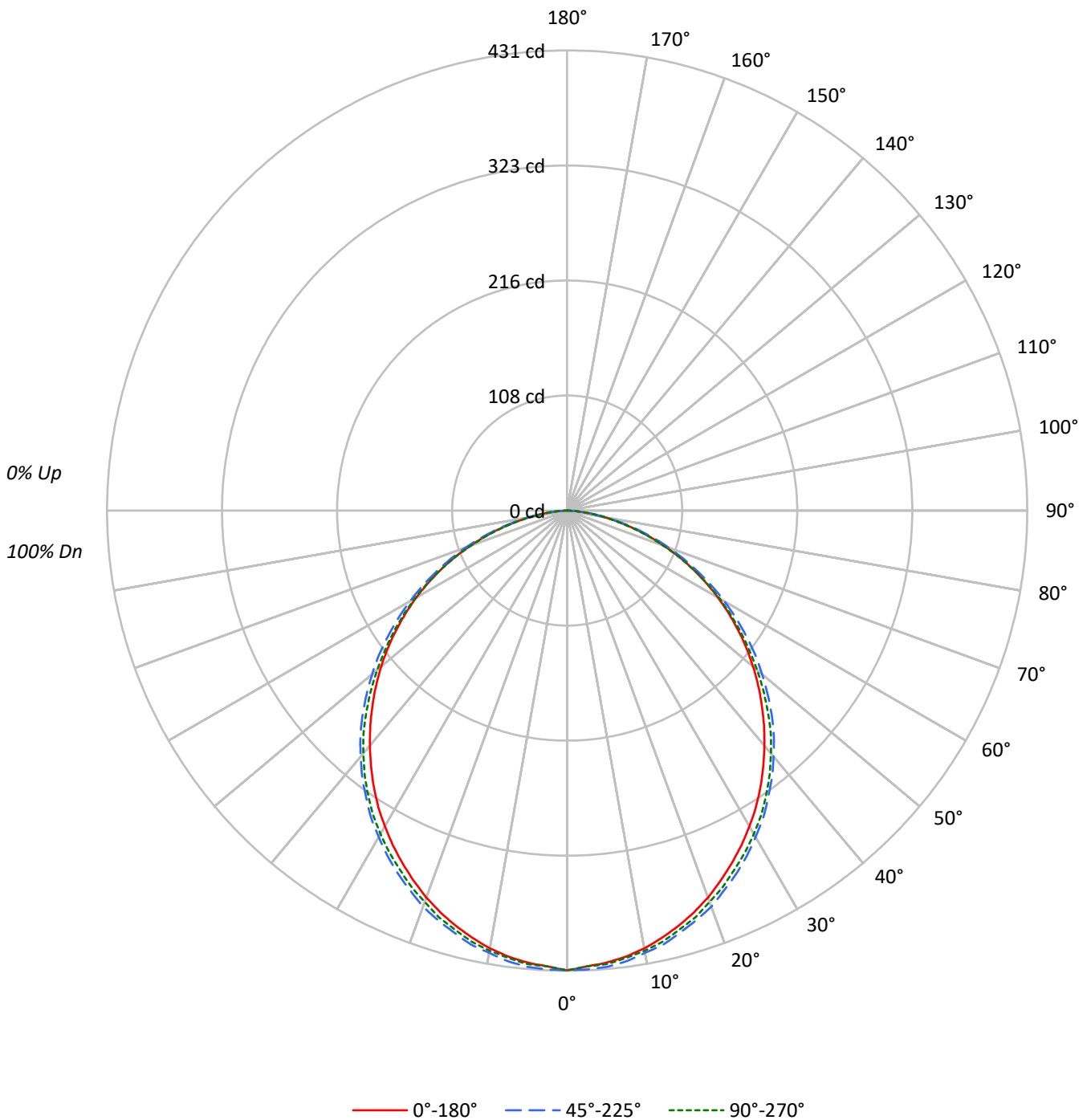
Lumens per Lamp: N/A  
Luminaire Lumens: 1132.2 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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°	2317	2317	2317
5°	2296	2318	2304
10°	2275	2299	2287
15°	2244	2280	2264
20°	2208	2261	2234
25°	2165	2228	2203
30°	2122	2194	2174
35°	2074	2156	2136
40°	2020	2113	2086
45°	1963	2063	2023
50°	1904	1996	1944
55°	1835	1921	1863
60°	1757	1830	1774
65°	1656	1719	1657
70°	1523	1585	1506
75°	1341	1402	1320
80°	1091	1137	1079
85°	760	809	790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.6	3.6
10°-20°	114.9	10.2
20°-30°	171.4	15.1
30°-40°	203.1	17.9
40°-50°	205.5	18.2
50°-60°	179.5	15.9
60°-70°	131.2	11.6
70°-80°	69.8	6.2
80°-90°	16.1	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°	326.9	28.9
0°-40°	530.0	46.8
0°-60°	915.1	80.8
0°-90°	1132.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	425	426	429	430	426	40
15°	403	405	409	412	406	114
25°	365	369	375	377	371	168
35°	316	321	328	330	325	197
45°	258	262	271	271	266	199
55°	196	200	205	202	198	175
65°	130	133	135	132	130	129
75°	64	66	67	65	64	69
85°	12	12	13	13	13	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	430.6	430.6	430.6	430.6	430.6
2.5°	427.3	428.7	430.1	430.7	427.2
5°	425.0	425.8	429.0	430.0	426.4
7.5°	421.4	422.6	425.7	426.1	422.6
10°	416.3	418.5	420.6	422.8	418.5
12.5°	409.9	412.8	416.3	416.7	413.5
15°	402.7	405.4	409.2	411.7	406.3
17.5°	394.6	397.2	402.2	402.6	399.4
20°	385.6	388.8	394.8	395.8	390.0
22.5°	375.4	379.7	384.7	385.6	381.4
25°	364.6	369.1	375.2	376.6	370.9
27.5°	353.4	357.7	364.6	365.6	360.8
30°	341.4	345.4	353.0	354.6	349.8
32.5°	329.2	333.2	341.6	343.0	338.2
35°	315.7	320.6	328.2	330.5	325.1
37.5°	301.8	306.6	315.2	317.3	311.6
40°	287.5	292.3	300.8	302.5	296.9
42.5°	272.9	277.6	286.7	287.0	282.4
45°	257.9	262.5	271.0	271.2	265.8
47.5°	242.8	247.4	254.9	254.1	249.1
50°	227.4	231.8	238.4	236.7	232.2
52.5°	211.6	215.8	222.1	219.3	215.0
55°	195.6	199.5	204.7	201.8	198.5
57.5°	179.5	183.5	187.5	184.5	181.6
60°	163.2	166.7	170.0	167.0	164.8
62.5°	146.7	149.7	152.6	149.6	147.6
65°	130.0	132.7	135.0	132.3	130.1
67.5°	113.4	115.7	117.8	115.0	112.8
70°	96.8	98.8	100.7	97.9	95.7
72.5°	80.4	82.2	83.9	81.1	79.3
75°	64.5	66.0	67.4	65.0	63.5
77.5°	49.3	50.6	51.6	50.0	48.6
80°	35.2	36.1	36.7	36.1	34.8
82.5°	22.6	23.3	23.6	23.6	22.7
85°	12.3	12.5	13.1	13.2	12.8
87.5°	4.8	5.1	5.2	5.6	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)