

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: P489934

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-20-120-EDD-90**

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: P489934  
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-LD4-1HI-20-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

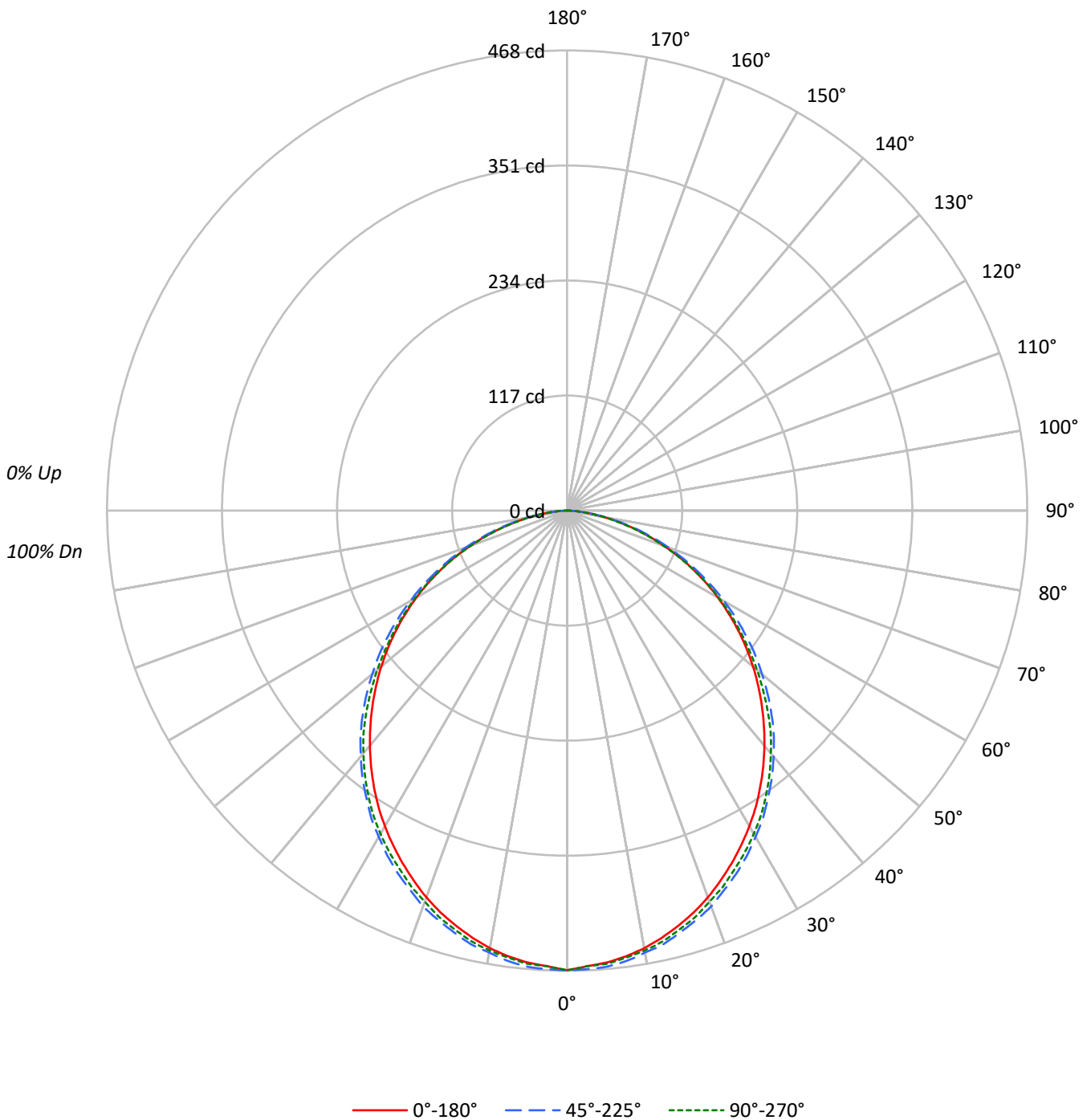
Lumens per Lamp: N/A  
Luminaire Lumens: 1229.0 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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°	2516	2516	2516
5°	2493	2516	2500
10°	2470	2495	2483
15°	2435	2475	2458
20°	2397	2454	2424
25°	2350	2419	2391
30°	2303	2381	2360
35°	2251	2340	2319
40°	2193	2294	2264
45°	2131	2238	2197
50°	2067	2167	2110
55°	1992	2085	2021
60°	1907	1986	1925
65°	1797	1867	1798
70°	1654	1720	1635
75°	1456	1522	1435
80°	1184	1234	1168
85°	821	877	858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	3.6
10°-20°	124.8	10.2
20°-30°	186.1	15.1
30°-40°	220.5	17.9
40°-50°	223.1	18.2
50°-60°	194.9	15.9
60°-70°	142.4	11.6
70°-80°	75.8	6.2
80°-90°	17.5	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°	354.9	28.9
0°-40°	575.4	46.8
0°-60°	993.3	80.8
0°-90°	1229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	468	468	468	468	468	
5°	461	462	466	467	463	44
15°	437	440	444	447	441	123
25°	396	401	407	409	403	182
35°	343	348	356	359	353	214
45°	280	285	294	294	289	216
55°	212	217	222	219	215	190
65°	141	144	147	144	141	140
75°	70	72	73	70	69	74
85°	13	14	14	14	14	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	467.5	467.5	467.5	467.5	467.5
2.5°	463.8	465.3	466.9	467.6	463.8
5°	461.4	462.3	465.7	466.8	462.8
7.5°	457.4	458.7	462.1	462.5	458.7
10°	451.9	454.3	456.5	458.9	454.3
12.5°	445.0	448.1	451.9	452.4	448.9
15°	437.1	440.0	444.2	446.9	441.1
17.5°	428.4	431.2	436.5	437.0	433.5
20°	418.6	422.1	428.5	429.6	423.3
22.5°	407.5	412.2	417.5	418.6	414.0
25°	395.8	400.7	407.3	408.8	402.6
27.5°	383.6	388.3	395.8	396.8	391.6
30°	370.6	375.0	383.2	385.0	379.7
32.5°	357.3	361.7	370.8	372.3	367.1
35°	342.6	348.0	356.2	358.7	352.9
37.5°	327.6	332.8	342.2	344.4	338.2
40°	312.1	317.3	326.5	328.3	322.3
42.5°	296.2	301.4	311.2	311.5	306.5
45°	280.0	285.0	294.1	294.4	288.6
47.5°	263.5	268.6	276.7	275.8	270.4
50°	246.9	251.7	258.8	257.0	252.0
52.5°	229.6	234.3	241.0	238.0	233.4
55°	212.3	216.6	222.2	219.0	215.4
57.5°	194.8	199.2	203.5	200.2	197.1
60°	177.2	181.0	184.5	181.2	178.8
62.5°	159.3	162.5	165.6	162.4	160.2
65°	141.1	144.0	146.6	143.6	141.2
67.5°	123.1	125.6	127.9	124.9	122.4
70°	105.1	107.2	109.3	106.2	103.9
72.5°	87.3	89.2	91.1	88.1	86.1
75°	70.0	71.6	73.2	70.5	69.0
77.5°	53.5	54.9	56.0	54.3	52.7
80°	38.2	39.2	39.8	39.2	37.7
82.5°	24.5	25.3	25.6	25.6	24.6
85°	13.3	13.6	14.2	14.4	13.9
87.5°	5.2	5.5	5.6	6.1	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)