

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: P489950

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-30-120-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: P489950  
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-30-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

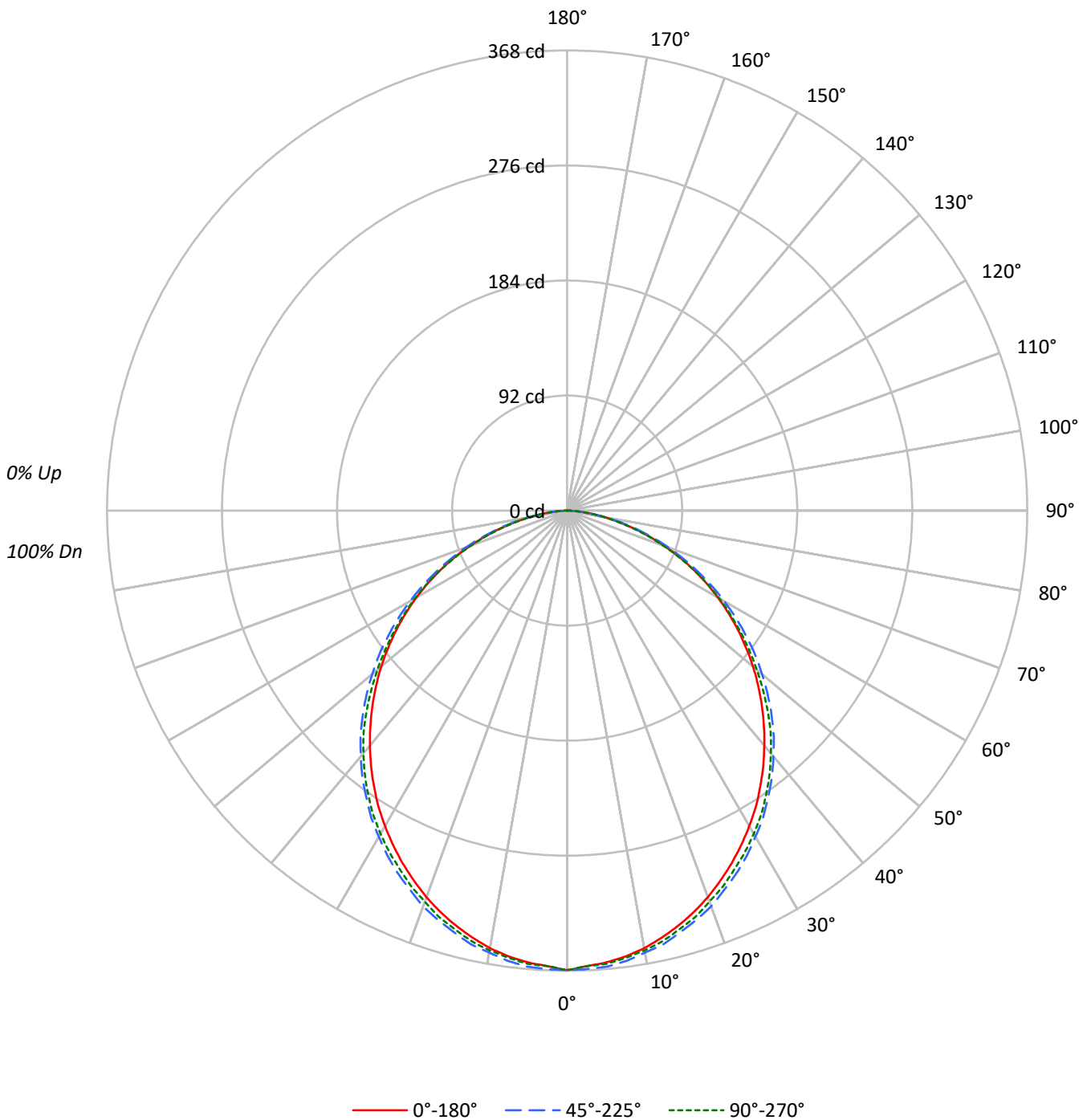
Lumens per Lamp: N/A  
Luminaire Lumens: 966.1 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1978	1978	1978
5°	1959	1978	1965
10°	1942	1961	1952
15°	1914	1946	1932
20°	1884	1929	1906
25°	1848	1901	1879
30°	1810	1872	1854
35°	1769	1840	1823
40°	1723	1803	1780
45°	1675	1760	1726
50°	1625	1704	1659
55°	1566	1639	1589
60°	1499	1562	1513
65°	1414	1467	1414
70°	1300	1353	1286
75°	1146	1196	1127
80°	930	970	921
85°	648	692	673



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.6	3.6
10°-20°	98.1	10.2
20°-30°	146.3	15.1
30°-40°	173.3	17.9
40°-50°	175.4	18.2
50°-60°	153.2	15.9
60°-70°	111.9	11.6
70°-80°	59.6	6.2
80°-90°	13.8	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°	279.0	28.9
0°-40°	452.3	46.8
0°-60°	780.9	80.8
0°-90°	966.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	368	368	368	368	368	
5°	363	363	366	367	364	34
15°	344	346	349	351	347	97
25°	311	315	320	321	316	143
35°	269	274	280	282	277	168
45°	220	224	231	231	227	170
55°	167	170	175	172	169	149
65°	111	113	115	113	111	110
75°	55	56	58	55	54	59
85°	10	11	11	11	11	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	367.5	367.5	367.5	367.5	367.5
2.5°	364.6	365.8	367.0	367.5	364.6
5°	362.7	363.4	366.1	366.9	363.8
7.5°	359.5	360.6	363.2	363.6	360.6
10°	355.3	357.1	358.9	360.8	357.1
12.5°	349.8	352.3	355.3	355.6	352.8
15°	343.6	345.9	349.2	351.3	346.7
17.5°	336.7	338.9	343.2	343.5	340.8
20°	329.0	331.8	336.8	337.7	332.8
22.5°	320.3	324.0	328.2	329.1	325.4
25°	311.2	315.0	320.2	321.4	316.5
27.5°	301.6	305.3	311.1	312.0	307.9
30°	291.3	294.8	301.2	302.6	298.4
32.5°	280.9	284.4	291.5	292.7	288.6
35°	269.3	273.6	280.0	282.0	277.4
37.5°	257.6	261.6	269.0	270.8	265.9
40°	245.3	249.4	256.6	258.1	253.4
42.5°	232.9	236.9	244.6	244.9	241.0
45°	220.1	224.0	231.2	231.4	226.8
47.5°	207.2	211.1	217.5	216.8	212.5
50°	194.1	197.8	203.5	202.0	198.1
52.5°	180.5	184.2	189.5	187.1	183.5
55°	166.9	170.3	174.7	172.2	169.3
57.5°	153.1	156.6	160.0	157.4	154.9
60°	139.3	142.3	145.1	142.5	140.6
62.5°	125.2	127.8	130.2	127.7	125.9
65°	111.0	113.2	115.2	112.9	111.0
67.5°	96.8	98.7	100.5	98.2	96.2
70°	82.6	84.3	86.0	83.5	81.7
72.5°	68.6	70.1	71.6	69.2	67.7
75°	55.1	56.3	57.5	55.4	54.2
77.5°	42.1	43.1	44.0	42.7	41.5
80°	30.0	30.8	31.3	30.8	29.7
82.5°	19.3	19.9	20.1	20.1	19.4
85°	10.5	10.7	11.2	11.3	10.9
87.5°	4.1	4.3	4.4	4.8	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)