

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: P490078

Luminaire Tested: **CLP-12-2-INS-P12125-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: P490078  
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-LD4-1HI-20-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

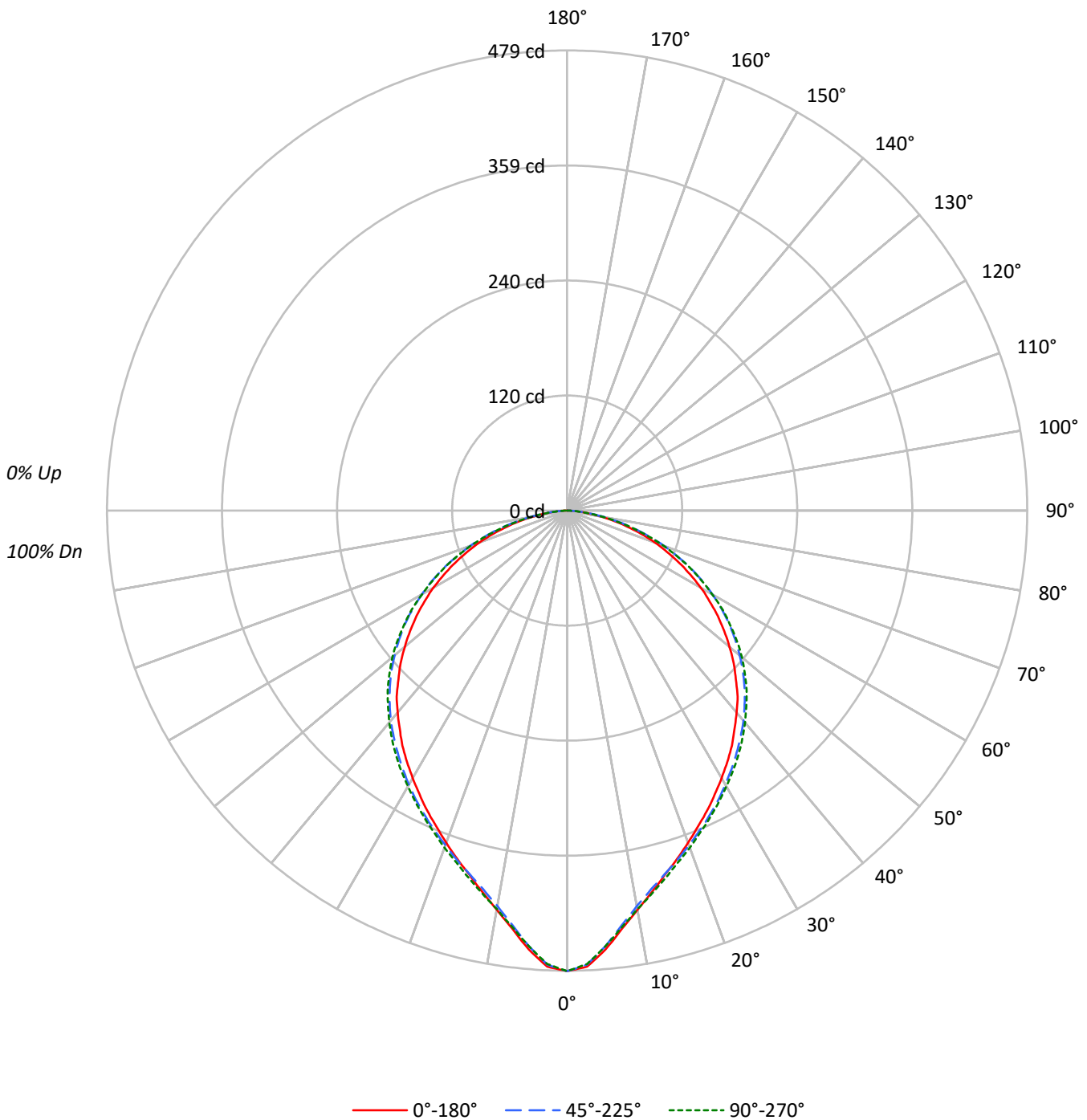
Lumens per Lamp: N/A  
Luminaire Lumens: 1113.5 lumens  
Efficiency: N/A  
Efficacy: 51.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	2580	2580	2580
5°	2477	2460	2460
10°	2306	2284	2302
15°	2187	2184	2205
20°	2108	2123	2139
25°	2047	2081	2093
30°	1998	2047	2060
35°	1964	2021	2041
40°	1929	2007	2024
45°	1889	1987	2011
50°	1847	1963	1989
55°	1796	1934	1942
60°	1732	1882	1877
65°	1642	1810	1797
70°	1533	1687	1666
75°	1352	1495	1481
80°	1100	1218	1159
85°	760	778	747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	3.8
10°-20°	111.0	10.0
20°-30°	161.3	14.5
30°-40°	192.0	17.2
40°-50°	199.4	17.9
50°-60°	180.6	16.2
60°-70°	136.3	12.2
70°-80°	74.3	6.7
80°-90°	16.3	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°	314.7	28.3
0°-40°	506.7	45.5
0°-60°	886.6	79.6
0°-90°	1113.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1113.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	458	458	455	455	455	43
15°	393	392	392	395	396	111
25°	345	348	350	353	352	159
35°	299	302	308	312	311	187
45°	248	253	261	264	264	192
55°	191	196	206	208	207	171
65°	129	133	142	142	141	127
75°	65	68	72	72	71	69
85°	12	12	13	12	12	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	479.4	479.4	479.4	479.4	479.4
2.5°	475.2	474.7	473.1	472.5	472.4
5°	458.5	457.5	455.3	455.1	455.3
7.5°	438.7	437.4	435.3	436.1	437.2
10°	421.9	418.9	418.0	419.2	421.3
12.5°	406.9	404.5	403.8	406.9	408.3
15°	392.6	391.7	391.9	394.6	395.8
17.5°	380.3	379.7	381.3	383.3	383.9
20°	368.0	369.2	370.6	372.8	373.5
22.5°	355.9	358.2	360.6	363.4	362.5
25°	344.7	347.6	350.4	353.2	352.4
27.5°	332.9	336.2	340.1	343.2	342.0
30°	321.5	325.7	329.4	333.2	331.4
32.5°	310.2	314.2	318.6	323.3	321.3
35°	298.9	302.5	307.6	312.3	310.7
37.5°	286.3	290.7	296.6	300.7	299.6
40°	274.5	278.6	285.7	288.3	288.1
42.5°	262.7	266.0	273.5	276.5	276.0
45°	248.2	252.6	261.1	264.0	264.2
47.5°	235.4	239.1	248.2	250.5	250.9
50°	220.6	225.3	234.4	237.2	237.5
52.5°	206.1	211.2	220.5	222.4	222.8
55°	191.4	196.0	206.1	207.6	207.0
57.5°	176.0	181.5	190.8	191.5	192.1
60°	160.9	165.7	174.8	175.7	174.4
62.5°	144.5	149.4	158.7	159.0	157.9
65°	128.9	132.6	142.1	141.8	141.1
67.5°	112.6	117.1	124.1	124.3	123.7
70°	97.4	100.5	107.2	107.3	105.9
72.5°	81.0	84.3	89.7	89.0	88.6
75°	65.0	67.7	71.9	72.4	71.2
77.5°	50.4	52.3	55.5	55.1	53.8
80°	35.5	37.0	39.3	38.8	37.4
82.5°	22.6	23.6	25.0	24.4	23.8
85°	12.3	12.5	12.6	12.5	12.1
87.5°	4.6	4.7	4.7	4.6	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)