

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: P490100

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-50-120-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: P490100  
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-LD4-1LO-50-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

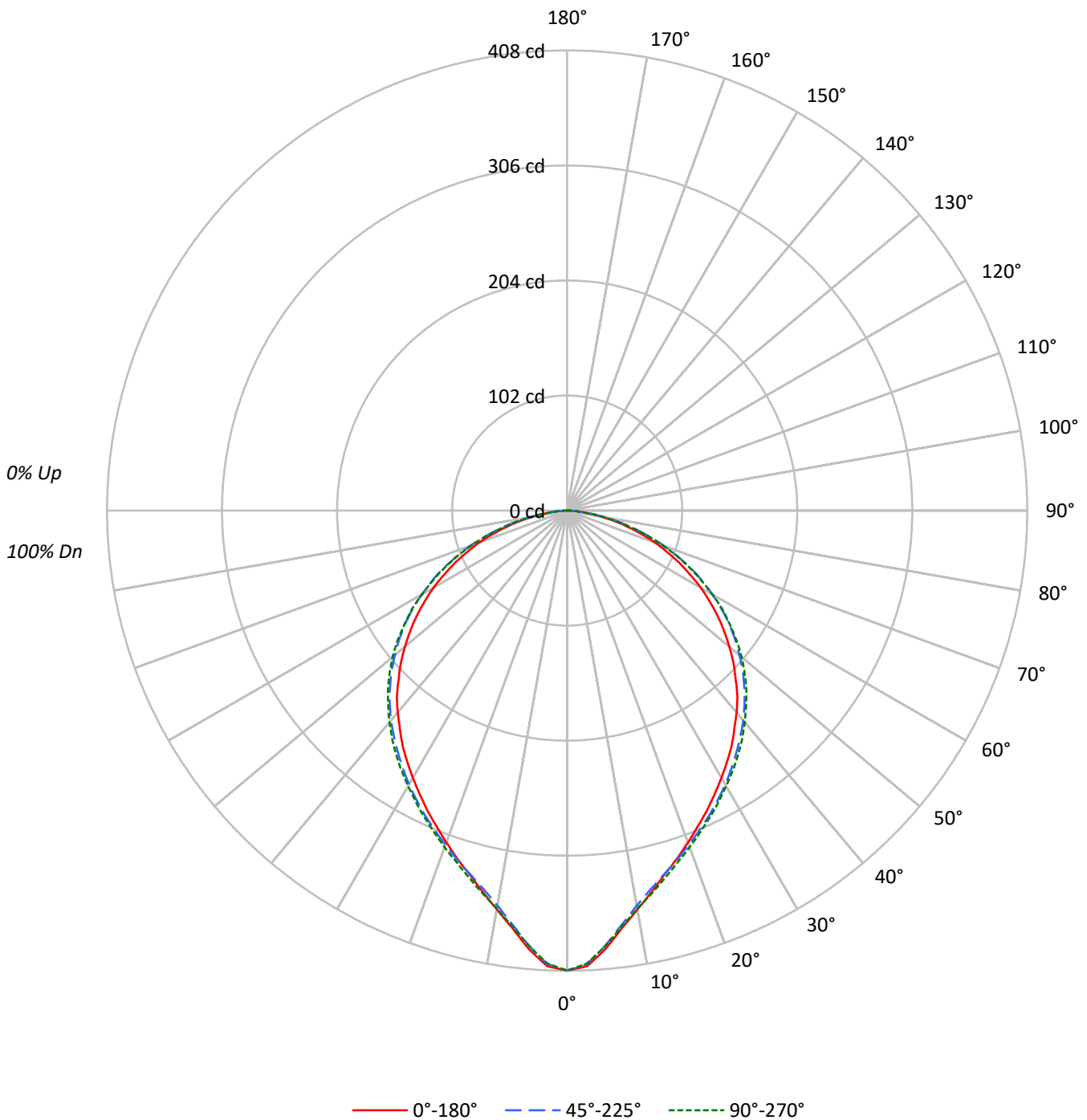
Lumens per Lamp: N/A  
Luminaire Lumens: 947.3 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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°	2195	2195	2195
5°	2108	2092	2092
10°	1961	1943	1959
15°	1861	1858	1876
20°	1793	1806	1820
25°	1742	1770	1780
30°	1700	1741	1753
35°	1671	1719	1736
40°	1641	1707	1722
45°	1607	1691	1711
50°	1572	1670	1692
55°	1528	1646	1652
60°	1474	1601	1597
65°	1396	1540	1528
70°	1303	1435	1418
75°	1150	1271	1258
80°	936	1035	986
85°	648	661	636



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	3.8
10°-20°	94.4	10.0
20°-30°	137.3	14.5
30°-40°	163.3	17.2
40°-50°	169.6	17.9
50°-60°	153.7	16.2
60°-70°	116.0	12.2
70°-80°	63.2	6.7
80°-90°	13.9	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°	267.7	28.3
0°-40°	431.0	45.5
0°-60°	754.3	79.6
0°-90°	947.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	408	408	408	408	408	
5°	390	389	387	387	387	36
15°	334	333	333	336	337	94
25°	293	296	298	300	300	135
35°	254	257	262	266	264	159
45°	211	215	222	225	225	163
55°	163	167	175	177	176	145
65°	110	113	121	121	120	108
75°	55	58	61	62	60	59
85°	10	11	11	11	10	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	407.8	407.8	407.8	407.8	407.8
2.5°	404.3	403.9	402.5	402.0	401.9
5°	390.1	389.2	387.3	387.1	387.3
7.5°	373.2	372.2	370.3	371.0	372.0
10°	358.9	356.4	355.6	356.7	358.4
12.5°	346.2	344.1	343.5	346.2	347.4
15°	334.0	333.2	333.4	335.7	336.7
17.5°	323.6	323.0	324.4	326.1	326.6
20°	313.1	314.1	315.3	317.1	317.7
22.5°	302.8	304.7	306.7	309.2	308.4
25°	293.3	295.7	298.1	300.5	299.8
27.5°	283.2	286.0	289.3	292.0	290.9
30°	273.5	277.1	280.2	283.5	282.0
32.5°	263.9	267.3	271.1	275.0	273.3
35°	254.3	257.3	261.7	265.7	264.3
37.5°	243.6	247.3	252.3	255.8	254.9
40°	233.6	237.0	243.0	245.3	245.1
42.5°	223.5	226.3	232.7	235.2	234.8
45°	211.2	214.9	222.2	224.6	224.8
47.5°	200.2	203.4	211.2	213.1	213.5
50°	187.7	191.7	199.4	201.8	202.1
52.5°	175.4	179.7	187.6	189.2	189.5
55°	162.8	166.7	175.4	176.6	176.1
57.5°	149.7	154.4	162.3	162.9	163.5
60°	136.9	140.9	148.7	149.5	148.4
62.5°	122.9	127.1	135.0	135.2	134.3
65°	109.6	112.8	120.9	120.7	120.0
67.5°	95.8	99.7	105.6	105.8	105.3
70°	82.8	85.5	91.2	91.3	90.1
72.5°	68.9	71.7	76.3	75.7	75.4
75°	55.3	57.6	61.1	61.6	60.5
77.5°	42.9	44.5	47.2	46.9	45.8
80°	30.2	31.5	33.4	33.0	31.8
82.5°	19.3	20.1	21.3	20.8	20.3
85°	10.5	10.6	10.7	10.6	10.3
87.5°	3.9	4.0	4.0	3.9	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)