

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: P490092

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-27-120-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: P490092  
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-27-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

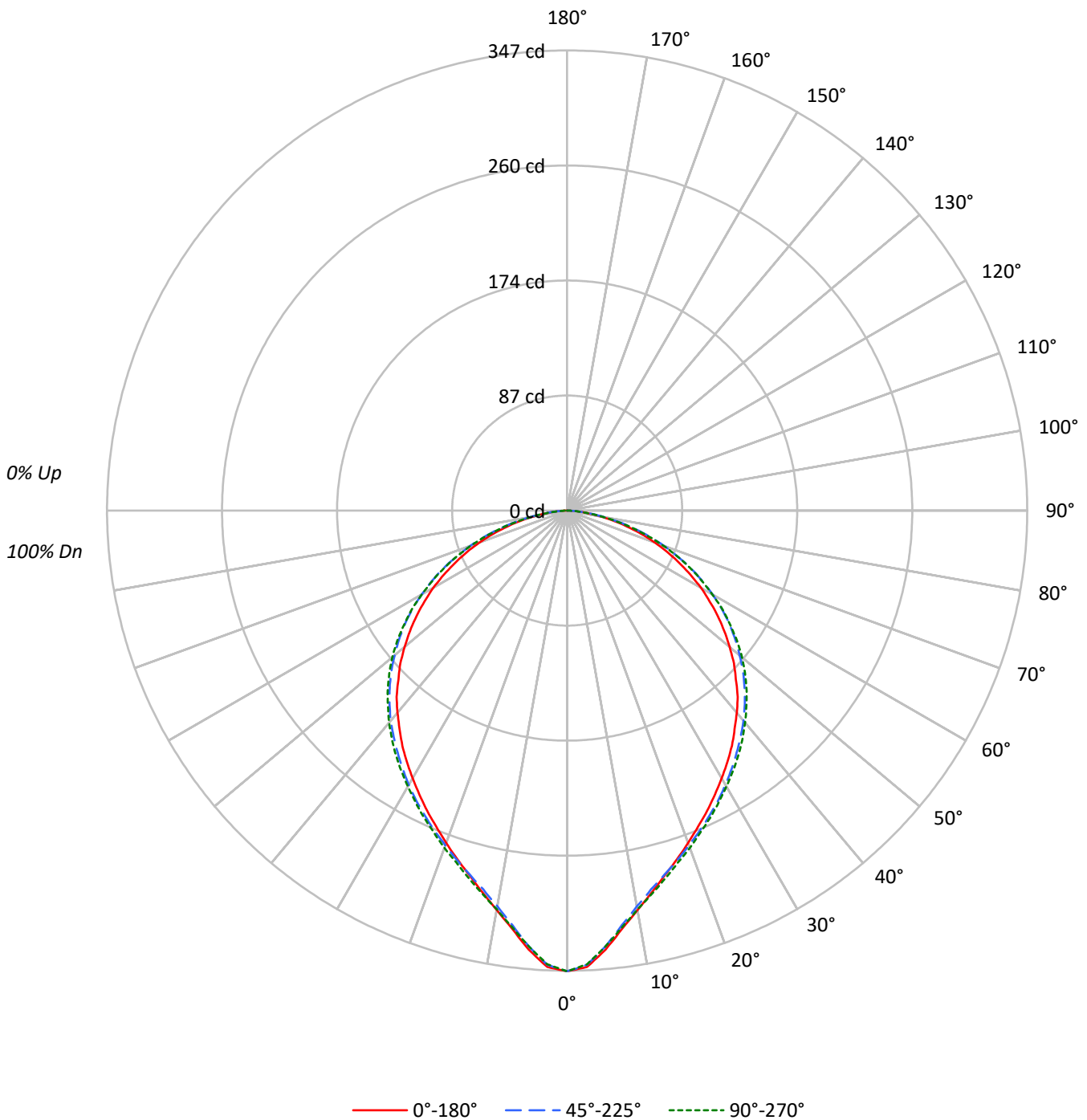
Lumens per Lamp: N/A  
Luminaire Lumens: 807.0 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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°	1870	1870	1870
5°	1795	1783	1783
10°	1671	1656	1668
15°	1586	1583	1598
20°	1527	1538	1550
25°	1483	1508	1517
30°	1448	1483	1493
35°	1423	1464	1480
40°	1398	1454	1467
45°	1369	1441	1458
50°	1339	1423	1442
55°	1301	1402	1407
60°	1255	1364	1361
65°	1189	1312	1303
70°	1111	1223	1207
75°	979	1083	1073
80°	797	883	840
85°	550	562	543



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.7	3.8
10°-20°	80.4	10.0
20°-30°	116.9	14.5
30°-40°	139.1	17.2
40°-50°	144.5	17.9
50°-60°	130.9	16.2
60°-70°	98.8	12.2
70°-80°	53.8	6.7
80°-90°	11.8	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°	228.0	28.3
0°-40°	367.2	45.5
0°-60°	642.6	79.6
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	332	332	330	330	330	31
15°	285	284	284	286	287	80
25°	250	252	254	256	255	115
35°	217	219	223	226	225	135
45°	180	183	189	191	192	139
55°	139	142	149	150	150	124
65°	93	96	103	103	102	92
75°	47	49	52	52	52	50
85°	9	9	9	9	9	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	347.4	347.4	347.4	347.4	347.4
2.5°	344.4	344.0	342.9	342.5	342.4
5°	332.3	331.5	330.0	329.8	330.0
7.5°	317.9	317.0	315.5	316.1	316.9
10°	305.8	303.6	303.0	303.8	305.3
12.5°	294.9	293.2	292.6	294.9	295.9
15°	284.6	283.9	284.1	286.0	286.8
17.5°	275.6	275.2	276.3	277.8	278.2
20°	266.7	267.6	268.6	270.2	270.7
22.5°	257.9	259.6	261.3	263.4	262.7
25°	249.8	251.9	253.9	256.0	255.4
27.5°	241.3	243.7	246.5	248.7	247.8
30°	233.0	236.0	238.7	241.5	240.2
32.5°	224.8	227.7	230.9	234.3	232.8
35°	216.6	219.2	222.9	226.3	225.2
37.5°	207.5	210.7	214.9	217.9	217.1
40°	199.0	201.9	207.0	209.0	208.8
42.5°	190.4	192.8	198.2	200.4	200.0
45°	179.9	183.1	189.3	191.3	191.5
47.5°	170.6	173.3	179.9	181.5	181.9
50°	159.9	163.3	169.9	171.9	172.2
52.5°	149.4	153.0	159.8	161.2	161.5
55°	138.7	142.0	149.4	150.4	150.0
57.5°	127.5	131.5	138.3	138.8	139.2
60°	116.6	120.1	126.7	127.4	126.4
62.5°	104.7	108.3	115.0	115.2	114.4
65°	93.4	96.1	103.0	102.8	102.3
67.5°	81.6	84.9	89.9	90.1	89.7
70°	70.6	72.8	77.7	77.8	76.7
72.5°	58.7	61.1	65.0	64.5	64.2
75°	47.1	49.1	52.1	52.4	51.6
77.5°	36.5	37.9	40.2	39.9	39.0
80°	25.7	26.8	28.5	28.1	27.1
82.5°	16.4	17.1	18.1	17.7	17.3
85°	8.9	9.0	9.1	9.0	8.8
87.5°	3.3	3.4	3.4	3.3	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)