

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: P490119

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-30-120-EDD**

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: P490119  
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-LD4-2HI-30-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

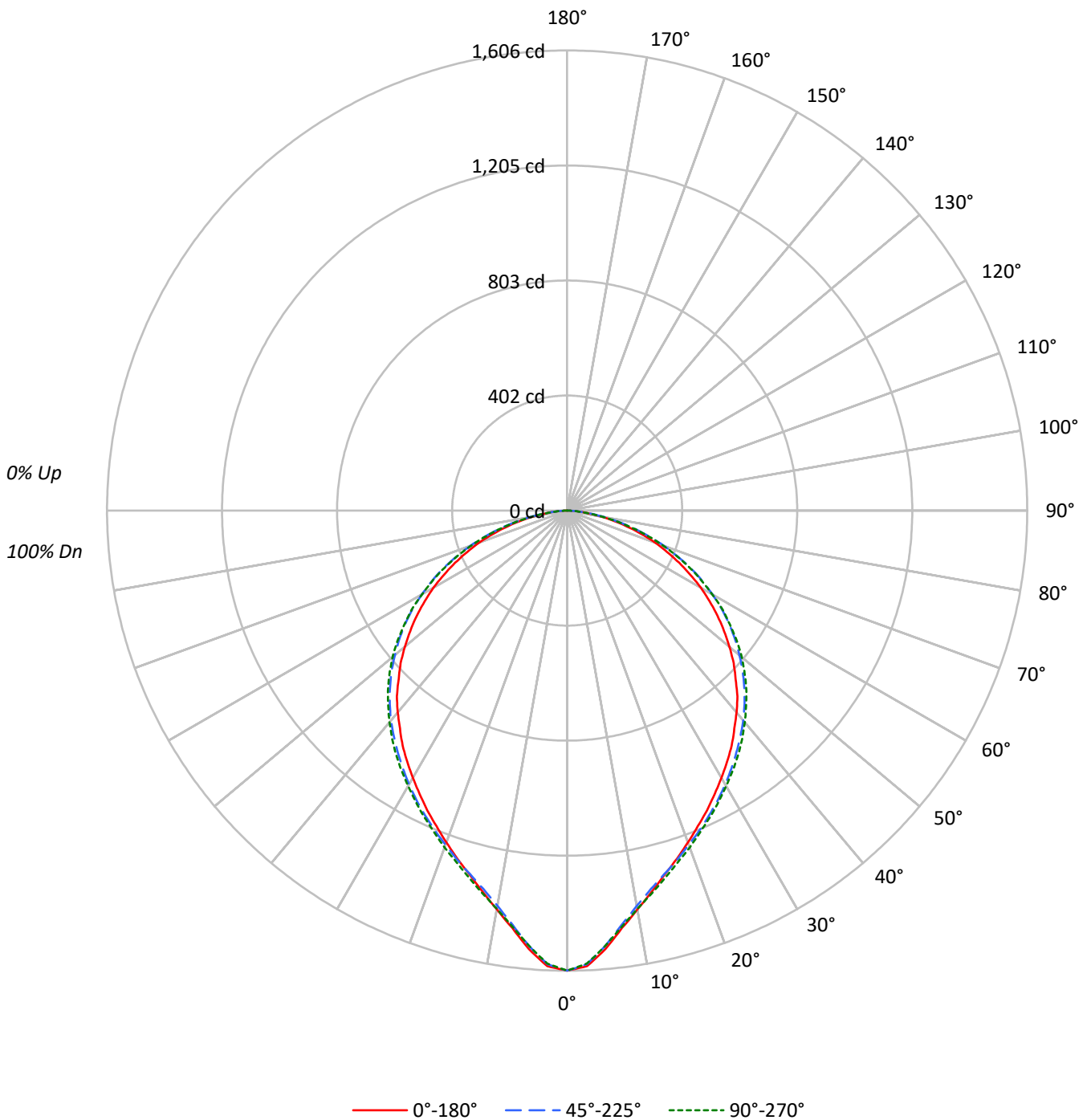
Lumens per Lamp: N/A  
Luminaire Lumens: 3729.2 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 43.2  
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°	8641	8641	8641
5°	8297	8238	8238
10°	7721	7652	7711
15°	7327	7314	7385
20°	7058	7109	7164
25°	6856	6968	7008
30°	6691	6856	6898
35°	6576	6769	6837
40°	6460	6722	6778
45°	6326	6656	6736
50°	6188	6574	6661
55°	6016	6478	6504
60°	5800	6300	6287
65°	5496	6059	6018
70°	5131	5649	5580
75°	4529	5005	4955
80°	3679	4079	3877
85°	2550	2600	2501



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.9	3.8
10°-20°	371.6	10.0
20°-30°	540.4	14.5
30°-40°	643.0	17.2
40°-50°	667.7	17.9
50°-60°	604.9	16.2
60°-70°	456.4	12.2
70°-80°	248.7	6.7
80°-90°	54.6	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°	1053.8	28.3
0°-40°	1696.8	45.5
0°-60°	2969.4	79.6
0°-90°	3729.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3729.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1536	1532	1525	1524	1525	143
15°	1315	1312	1313	1322	1325	371
25°	1155	1164	1173	1183	1180	532
35°	1001	1013	1030	1046	1041	626
45°	831	846	874	884	885	643
55°	641	656	690	695	693	572
65°	432	444	476	475	473	427
75°	218	227	241	242	238	232
85°	41	42	42	42	40	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1605.5	1605.5	1605.5	1605.5	1605.5
2.5°	1591.4	1589.8	1584.6	1582.6	1582.2
5°	1535.7	1532.1	1524.8	1524.0	1524.8
7.5°	1469.1	1465.1	1457.9	1460.7	1464.3
10°	1412.9	1402.9	1400.1	1404.1	1410.9
12.5°	1362.8	1354.7	1352.3	1362.8	1367.6
15°	1315.0	1311.8	1312.6	1321.5	1325.4
17.5°	1273.7	1271.7	1276.9	1283.7	1285.8
20°	1232.4	1236.4	1241.2	1248.4	1250.8
22.5°	1191.9	1199.5	1207.5	1217.1	1213.9
25°	1154.6	1164.2	1173.4	1183.0	1180.2
27.5°	1114.8	1126.1	1138.9	1149.4	1145.3
30°	1076.7	1090.8	1103.2	1116.0	1110.0
32.5°	1039.0	1052.3	1067.1	1082.8	1075.9
35°	1000.9	1013.0	1030.2	1045.9	1040.6
37.5°	958.8	973.6	993.3	1006.9	1003.3
40°	919.5	933.1	956.8	965.6	964.8
42.5°	879.8	891.0	915.9	925.9	924.3
45°	831.2	846.1	874.5	884.2	885.0
47.5°	788.3	800.7	831.2	838.8	840.4
50°	739.0	754.6	785.1	794.3	795.5
52.5°	690.4	707.2	738.5	745.0	746.2
55°	641.1	656.3	690.4	695.2	693.2
57.5°	589.3	607.8	639.1	641.5	643.5
60°	538.8	554.8	585.3	588.5	584.1
62.5°	483.8	500.3	531.6	532.3	528.7
65°	431.6	444.1	475.8	475.0	472.6
67.5°	377.1	392.3	415.6	416.4	414.4
70°	326.1	336.6	359.0	359.5	354.6
72.5°	271.2	282.4	300.5	298.1	296.9
75°	217.8	226.7	240.7	242.3	238.3
77.5°	168.9	175.3	185.7	184.6	180.1
80°	118.7	124.0	131.6	130.0	125.1
82.5°	75.8	79.0	83.9	81.8	79.8
85°	41.3	41.7	42.1	41.7	40.5
87.5°	15.2	15.7	15.7	15.2	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)