

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: P490115

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-20-120-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: P490115  
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-20-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

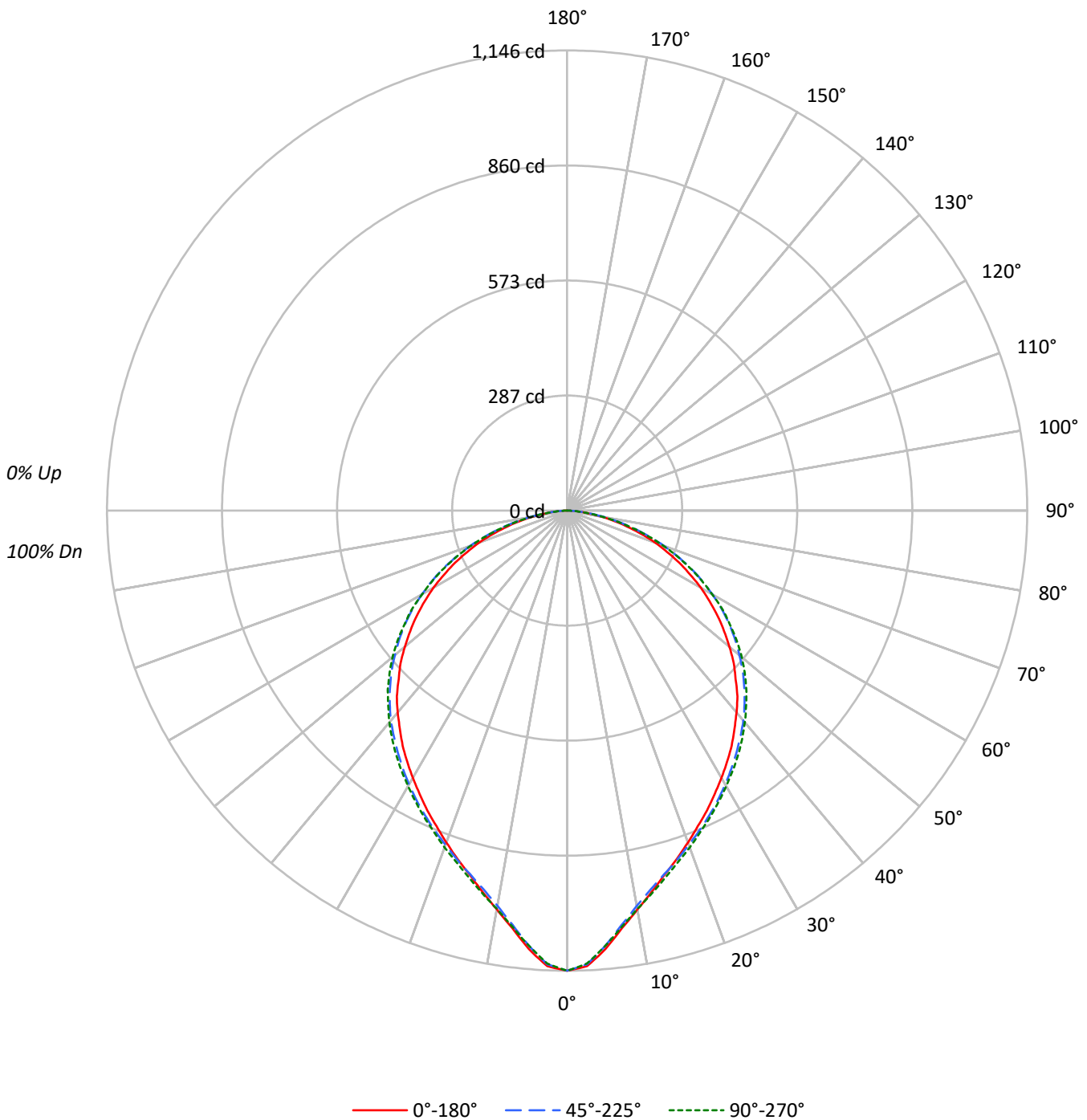
Lumens per Lamp: N/A  
Luminaire Lumens: 2661.6 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 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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CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-2HI-20-120-EDD

### 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°	6167	6167	6167
5°	5921	5880	5880
10°	5511	5461	5503
15°	5229	5220	5271
20°	5038	5074	5113
25°	4893	4973	5002
30°	4776	4893	4924
35°	4694	4831	4880
40°	4611	4798	4838
45°	4516	4751	4807
50°	4416	4691	4754
55°	4293	4623	4643
60°	4139	4496	4487
65°	3924	4325	4295
70°	3663	4033	3983
75°	3234	3572	3537
80°	2625	2910	2768
85°	1822	1859	1785



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.3	3.8
10°-20°	265.2	10.0
20°-30°	385.7	14.5
30°-40°	458.9	17.2
40°-50°	476.5	17.9
50°-60°	431.7	16.2
60°-70°	325.8	12.2
70°-80°	177.5	6.7
80°-90°	39.0	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°	752.1	28.3
0°-40°	1211.1	45.5
0°-60°	2119.3	79.6
0°-90°	2661.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2661.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1096	1094	1088	1088	1088	102
15°	938	936	937	943	946	265
25°	824	831	838	844	842	380
35°	714	723	735	746	743	447
45°	593	604	624	631	632	459
55°	458	468	493	496	495	408
65°	308	317	340	339	337	305
75°	156	162	172	173	170	166
85°	30	30	30	30	29	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1145.9	1145.9	1145.9	1145.9	1145.9
2.5°	1135.8	1134.7	1131.0	1129.5	1129.2
5°	1096.0	1093.5	1088.3	1087.7	1088.3
7.5°	1048.5	1045.6	1040.5	1042.5	1045.1
10°	1008.4	1001.3	999.2	1002.1	1007.0
12.5°	972.6	966.9	965.2	972.6	976.1
15°	938.5	936.3	936.8	943.1	946.0
17.5°	909.1	907.6	911.4	916.2	917.7
20°	879.6	882.5	885.9	891.0	892.7
22.5°	850.7	856.1	861.8	868.7	866.4
25°	824.0	830.9	837.5	844.4	842.4
27.5°	795.7	803.7	812.9	820.3	817.4
30°	768.5	778.5	787.4	796.5	792.3
32.5°	741.6	751.0	761.6	772.8	767.9
35°	714.4	723.0	735.3	746.4	742.7
37.5°	684.3	694.9	708.9	718.7	716.1
40°	656.3	666.0	682.9	689.2	688.6
42.5°	627.9	635.9	653.7	660.8	659.7
45°	593.3	603.9	624.2	631.1	631.6
47.5°	562.6	571.5	593.3	598.7	599.8
50°	527.4	538.6	560.3	566.9	567.8
52.5°	492.7	504.8	527.1	531.7	532.6
55°	457.5	468.4	492.7	496.2	494.8
57.5°	420.6	433.8	456.1	457.8	459.3
60°	384.5	396.0	417.7	420.0	416.9
62.5°	345.3	357.0	379.4	379.9	377.4
65°	308.1	317.0	339.6	339.0	337.3
67.5°	269.1	280.0	296.6	297.2	295.8
70°	232.8	240.2	256.3	256.5	253.1
72.5°	193.6	201.6	214.4	212.7	211.9
75°	155.5	161.8	171.8	172.9	170.1
77.5°	120.5	125.1	132.6	131.7	128.6
80°	84.7	88.5	93.9	92.8	89.3
82.5°	54.1	56.4	59.8	58.4	57.0
85°	29.5	29.8	30.1	29.8	28.9
87.5°	10.9	11.2	11.2	10.9	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)