

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: P489971

Luminaire Tested: **CLP-12-2-INS-A12125-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: P489971  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)  
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-A12125-LD4-2HI-20-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

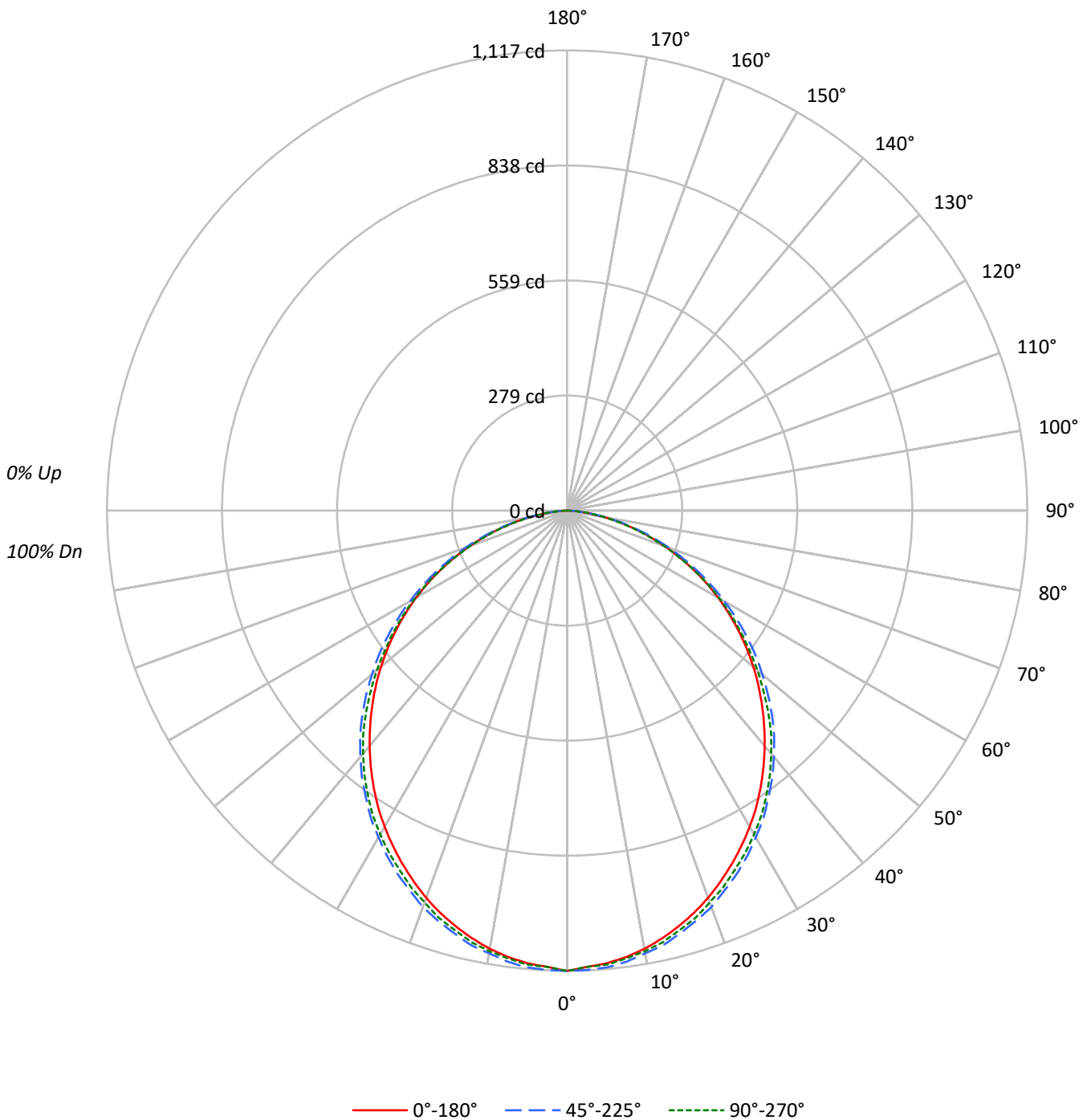
Lumens per Lamp: N/A  
Luminaire Lumens: 2937.6 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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	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					100			
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85					85			
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60					60			
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51					51			
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39					39			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25					25			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6014	6014	6014
5°	5958	6014	5977
10°	5903	5963	5934
15°	5821	5916	5874
20°	5730	5866	5796
25°	5618	5782	5715
30°	5505	5691	5640
35°	5381	5594	5542
40°	5241	5482	5413
45°	5094	5351	5250
50°	4941	5179	5045
55°	4762	4984	4831
60°	4559	4748	4602
65°	4297	4461	4299
70°	3953	4113	3909
75°	3481	3639	3427
80°	2830	2951	2796
85°	1970	2100	2050



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.2	3.6
10°-20°	298.2	10.2
20°-30°	444.8	15.1
30°-40°	527.0	17.9
40°-50°	533.3	18.2
50°-60°	465.8	15.9
60°-70°	340.3	11.6
70°-80°	181.1	6.2
80°-90°	41.9	1.4
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°	848.2	28.9
0°-40°	1375.3	46.8
0°-60°	2374.3	80.8
0°-90°	2937.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2937.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1103	1105	1113	1116	1106	105
15°	1045	1052	1062	1068	1054	295
25°	946	958	974	977	962	436
35°	819	832	852	857	844	512
45°	669	681	703	704	690	516
55°	508	518	531	524	515	454
65°	337	344	350	343	338	334
75°	167	171	175	169	165	178
85°	32	32	34	34	33	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1117.4	1117.4	1117.4	1117.4	1117.4
2.5°	1108.6	1112.2	1116.0	1117.6	1108.5
5°	1102.8	1104.9	1113.2	1115.7	1106.3
7.5°	1093.3	1096.4	1104.4	1105.6	1096.5
10°	1080.2	1085.8	1091.2	1097.0	1085.9
12.5°	1063.6	1071.1	1080.2	1081.3	1072.9
15°	1044.8	1051.8	1061.7	1068.1	1054.3
17.5°	1023.9	1030.6	1043.4	1044.6	1036.2
20°	1000.5	1008.9	1024.2	1026.9	1011.9
22.5°	973.9	985.2	998.0	1000.6	989.5
25°	946.1	957.8	973.6	977.2	962.4
27.5°	917.0	928.2	946.0	948.6	936.1
30°	885.8	896.3	915.8	920.2	907.5
32.5°	854.1	864.6	886.3	889.9	877.5
35°	819.0	831.8	851.5	857.4	843.5
37.5°	783.1	795.6	817.9	823.3	808.4
40°	746.0	758.3	780.3	784.8	770.4
42.5°	708.0	720.4	743.9	744.6	732.7
45°	669.3	681.1	703.0	703.6	689.8
47.5°	629.9	641.9	661.5	659.3	646.2
50°	590.1	601.5	618.6	614.2	602.5
52.5°	548.9	560.0	576.1	568.9	557.9
55°	507.5	517.7	531.2	523.5	514.9
57.5°	465.7	476.0	486.4	478.6	471.1
60°	423.5	432.6	441.1	433.2	427.5
62.5°	380.7	388.5	395.8	388.2	382.9
65°	337.4	344.2	350.3	343.3	337.6
67.5°	294.3	300.1	305.7	298.5	292.6
70°	251.2	256.2	261.4	253.9	248.4
72.5°	208.7	213.2	217.7	210.5	205.7
75°	167.4	171.2	175.0	168.6	164.8
77.5°	127.9	131.2	133.8	129.7	126.1
80°	91.3	93.7	95.2	93.6	90.2
82.5°	58.7	60.4	61.2	61.1	58.9
85°	31.9	32.5	34.0	34.3	33.2
87.5°	12.3	13.2	13.5	14.6	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)