

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: P488526

Luminaire Tested: **CLM-12-2-INS-P12125-LD4-2STD-40-120-EDD-90**

Issue Date: 3/11/2021

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: P488526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/11/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: CLM-12-2-INS-P12125-LD4-2STD-40-120-EDD-90  
Description: 1X2 CLM LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

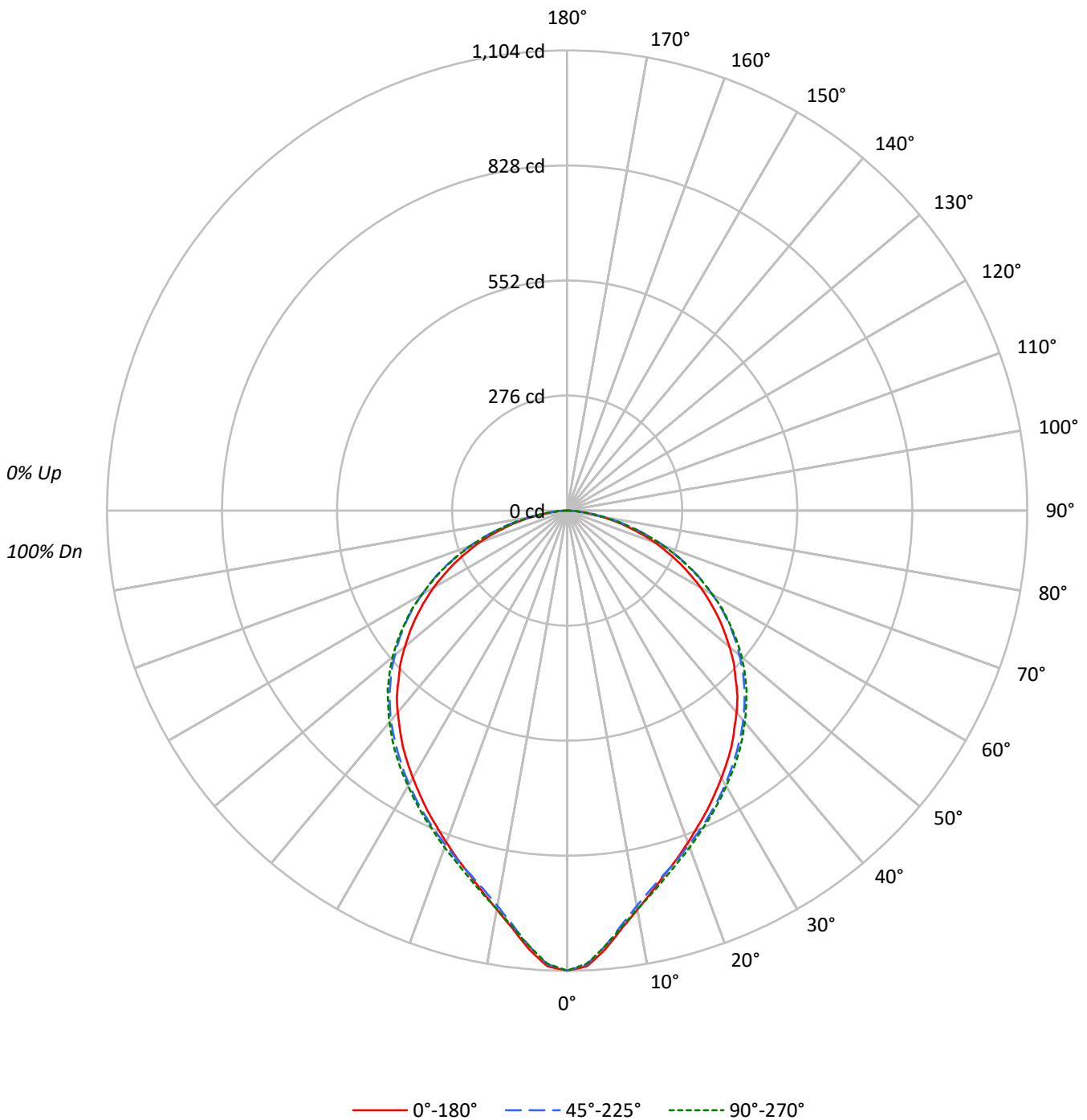
Lumens per Lamp: N/A  
Luminaire Lumens: 2564.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.3  
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°	5941	5941	5941
5°	5704	5664	5664
10°	5309	5261	5302
15°	5037	5029	5078
20°	4853	4888	4926
25°	4714	4791	4819
30°	4601	4714	4743
35°	4522	4654	4701
40°	4442	4621	4660
45°	4350	4577	4631
50°	4254	4520	4580
55°	4136	4454	4472
60°	3987	4331	4323
65°	3780	4166	4138
70°	3528	3885	3836
75°	3115	3441	3406
80°	2529	2805	2665
85°	1754	1791	1723



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	3.8
10°-20°	255.5	10.0
20°-30°	371.5	14.5
30°-40°	442.1	17.2
40°-50°	459.1	17.9
50°-60°	415.9	16.2
60°-70°	313.8	12.2
70°-80°	171.0	6.7
80°-90°	37.6	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°	724.6	28.3
0°-40°	1166.7	45.5
0°-60°	2041.6	79.6
0°-90°	2564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1056	1053	1048	1048	1048	98
15°	904	902	902	909	911	255
25°	794	800	807	813	812	366
35°	688	696	708	719	716	430
45°	572	582	601	608	608	442
55°	441	451	475	478	477	394
65°	297	305	327	327	325	293
75°	150	156	166	167	164	160
85°	28	29	29	29	28	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1103.8	1103.8	1103.8	1103.8	1103.8
2.5°	1094.2	1093.1	1089.5	1088.1	1087.8
5°	1055.8	1053.4	1048.4	1047.9	1048.4
7.5°	1010.1	1007.3	1002.3	1004.3	1006.8
10°	971.4	964.6	962.6	965.4	970.1
12.5°	937.0	931.4	929.8	937.0	940.3
15°	904.1	901.9	902.5	908.6	911.3
17.5°	875.7	874.4	877.9	882.6	884.0
20°	847.3	850.1	853.4	858.4	860.0
22.5°	819.5	824.7	830.2	836.8	834.6
25°	793.8	800.4	806.8	813.4	811.5
27.5°	766.5	774.2	783.1	790.2	787.5
30°	740.3	750.0	758.5	767.3	763.2
32.5°	714.4	723.5	733.7	744.4	739.8
35°	688.2	696.5	708.3	719.1	715.5
37.5°	659.2	669.4	682.9	692.3	689.8
40°	632.2	641.6	657.8	663.9	663.3
42.5°	604.9	612.6	629.7	636.6	635.5
45°	571.5	581.7	601.3	607.9	608.5
47.5°	542.0	550.5	571.5	576.7	577.8
50°	508.1	518.8	539.8	546.1	547.0
52.5°	474.7	486.3	507.8	512.2	513.0
55°	440.8	451.2	474.7	478.0	476.6
57.5°	405.2	417.9	439.4	441.0	442.4
60°	370.4	381.5	402.4	404.6	401.6
62.5°	332.6	343.9	365.5	366.0	363.5
65°	296.8	305.3	327.1	326.6	324.9
67.5°	259.3	269.7	285.8	286.3	284.9
70°	224.2	231.4	246.9	247.1	243.8
72.5°	186.5	194.2	206.6	204.9	204.1
75°	149.8	155.8	165.5	166.6	163.8
77.5°	116.1	120.5	127.7	126.9	123.8
80°	81.6	85.2	90.5	89.4	86.0
82.5°	52.1	54.3	57.7	56.3	54.9
85°	28.4	28.7	29.0	28.7	27.9
87.5°	10.5	10.8	10.8	10.5	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)