

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: P490111

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-40-120-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: P490111  
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-LD4-1STD-40-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

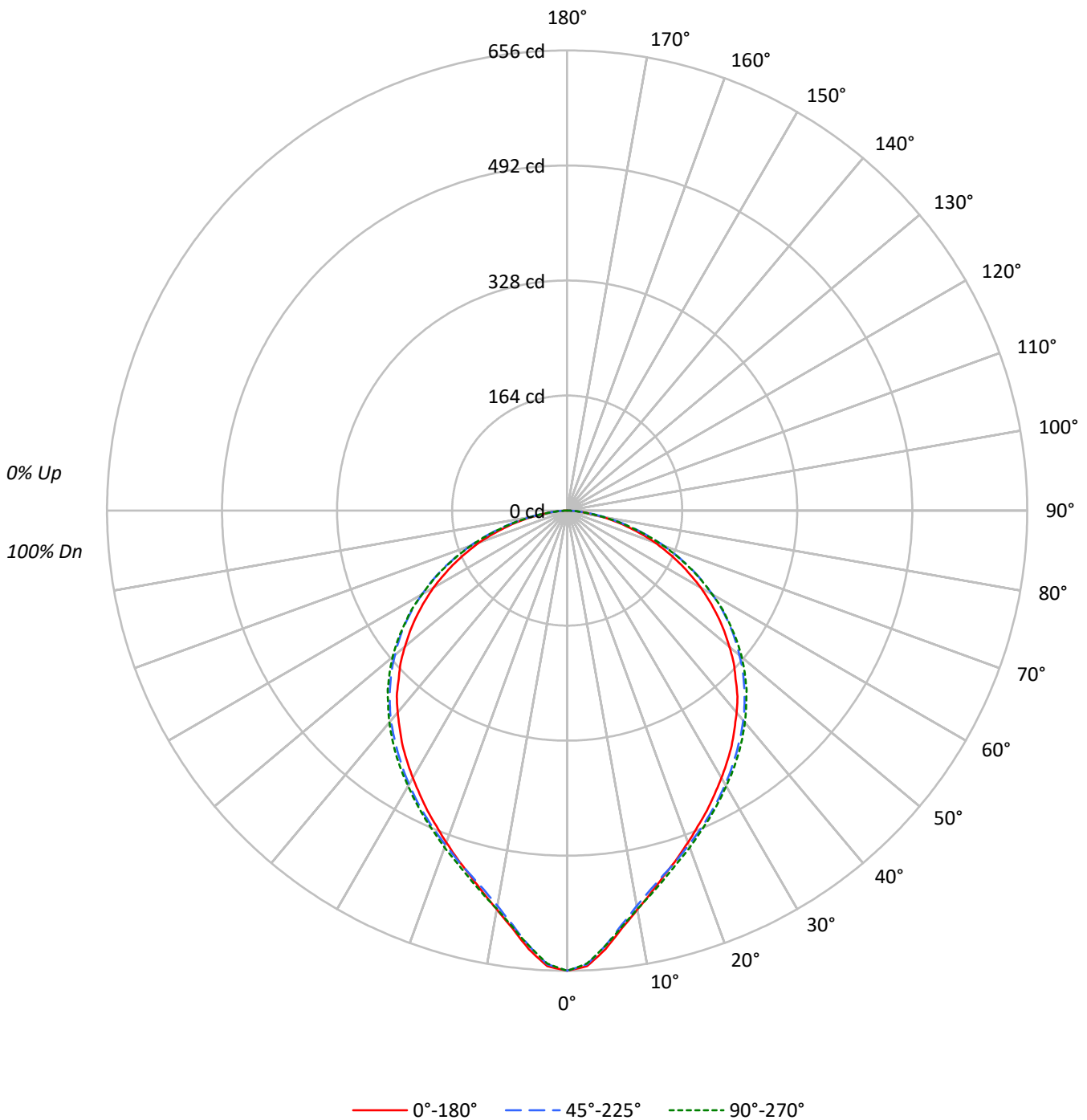
Lumens per Lamp: N/A  
Luminaire Lumens: 1523.7 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3531	3531	3531
5°	3390	3366	3366
10°	3155	3126	3151
15°	2994	2988	3018
20°	2884	2904	2927
25°	2801	2847	2863
30°	2734	2802	2818
35°	2687	2765	2794
40°	2640	2746	2770
45°	2585	2719	2752
50°	2528	2686	2721
55°	2457	2647	2657
60°	2369	2574	2569
65°	2246	2476	2459
70°	2098	2308	2280
75°	1851	2046	2025
80°	1503	1667	1584
85°	1044	1062	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	3.8
10°-20°	151.8	10.0
20°-30°	220.8	14.5
30°-40°	262.7	17.2
40°-50°	272.8	17.9
50°-60°	247.2	16.2
60°-70°	186.5	12.2
70°-80°	101.6	6.7
80°-90°	22.3	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°	430.6	28.3
0°-40°	693.3	45.5
0°-60°	1213.3	79.6
0°-90°	1523.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	628	626	623	623	623	58
15°	537	536	536	540	542	152
25°	472	476	479	483	482	217
35°	409	414	421	427	425	256
45°	340	346	357	361	362	263
55°	262	268	282	284	283	234
65°	176	181	194	194	193	174
75°	89	93	98	99	97	95
85°	17	17	17	17	17	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	656.0	656.0	656.0	656.0	656.0
2.5°	650.2	649.6	647.5	646.6	646.5
5°	627.5	626.0	623.0	622.7	623.0
7.5°	600.2	598.6	595.7	596.8	598.3
10°	577.3	573.2	572.0	573.7	576.5
12.5°	556.8	553.5	552.5	556.8	558.8
15°	537.3	536.0	536.3	539.9	541.6
17.5°	520.4	519.6	521.7	524.5	525.3
20°	503.5	505.2	507.1	510.1	511.1
22.5°	487.0	490.1	493.4	497.3	496.0
25°	471.7	475.7	479.4	483.4	482.2
27.5°	455.5	460.1	465.3	469.6	468.0
30°	439.9	445.7	450.8	456.0	453.5
32.5°	424.5	429.9	436.0	442.4	439.6
35°	409.0	413.9	420.9	427.3	425.2
37.5°	391.8	397.8	405.8	411.4	409.9
40°	375.7	381.3	390.9	394.5	394.2
42.5°	359.5	364.1	374.2	378.3	377.7
45°	339.6	345.7	357.3	361.3	361.6
47.5°	322.1	327.2	339.6	342.7	343.4
50°	301.9	308.3	320.8	324.5	325.0
52.5°	282.1	289.0	301.8	304.4	304.9
55°	261.9	268.2	282.1	284.1	283.2
57.5°	240.8	248.3	261.1	262.1	262.9
60°	220.1	226.7	239.1	240.5	238.7
62.5°	197.7	204.4	217.2	217.5	216.0
65°	176.4	181.4	194.4	194.1	193.1
67.5°	154.1	160.3	169.8	170.1	169.3
70°	133.3	137.5	146.7	146.9	144.9
72.5°	110.8	115.4	122.8	121.8	121.3
75°	89.0	92.6	98.4	99.0	97.4
77.5°	69.0	71.6	75.9	75.4	73.6
80°	48.5	50.6	53.8	53.1	51.1
82.5°	31.0	32.3	34.3	33.4	32.6
85°	16.9	17.0	17.2	17.0	16.6
87.5°	6.2	6.4	6.4	6.2	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)