

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: P490139

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-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: P490139  
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-LD4-2STD-20-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

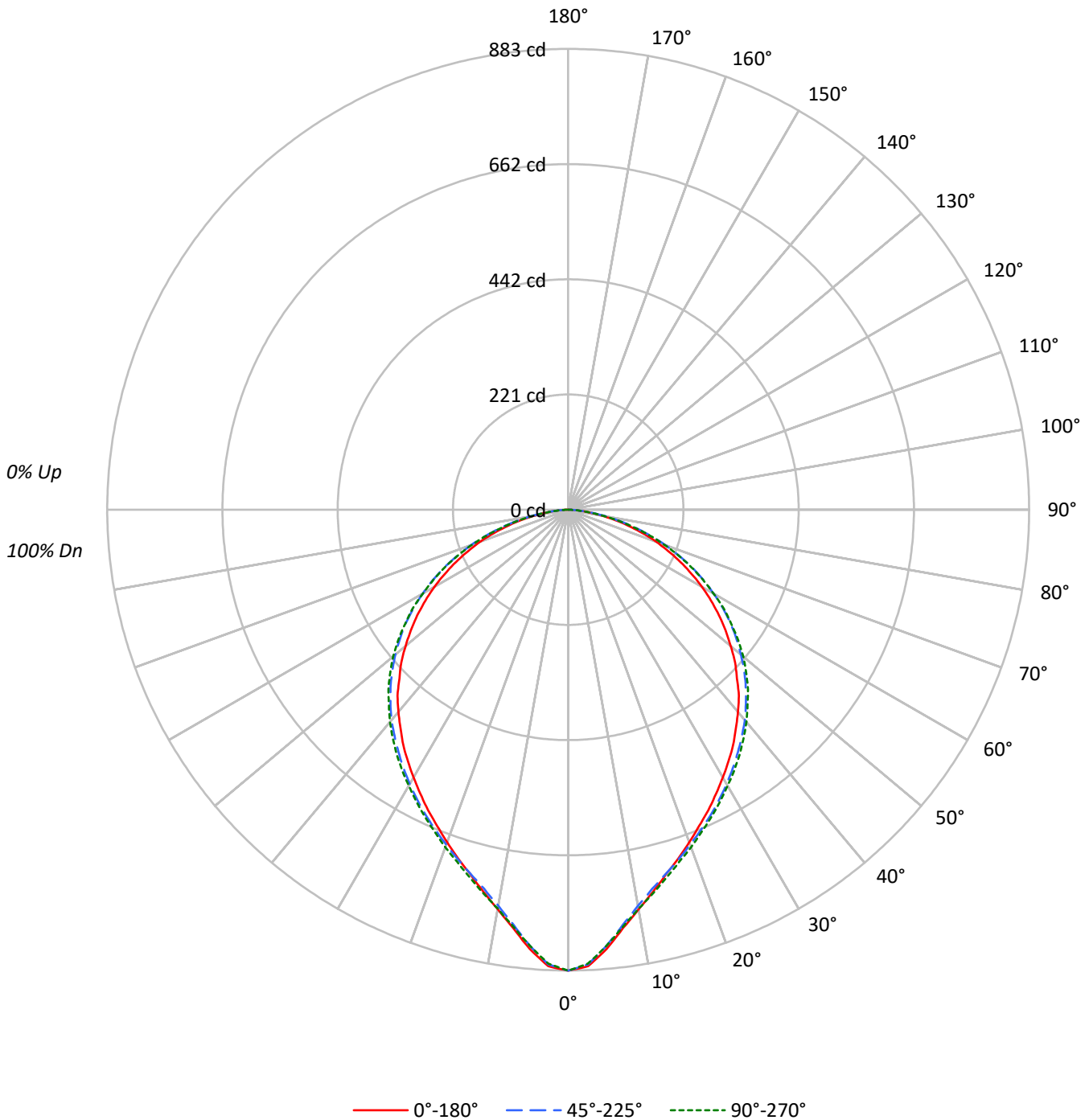
Lumens per Lamp: N/A  
Luminaire Lumens: 2051.7 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.3  
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	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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59					59			
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44					44			
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

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

	0°	45°	90°
0°	4754	4754	4754
5°	4565	4532	4532
10°	4248	4210	4242
15°	4031	4024	4063
20°	3883	3911	3942
25°	3772	3834	3856
30°	3681	3772	3795
35°	3618	3724	3761
40°	3554	3698	3729
45°	3481	3662	3706
50°	3404	3616	3665
55°	3309	3564	3579
60°	3190	3466	3460
65°	3025	3334	3311
70°	2823	3108	3070
75°	2491	2753	2726
80°	2024	2244	2135
85°	1402	1433	1377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.0	3.8
10°-20°	204.4	10.0
20°-30°	297.3	14.5
30°-40°	353.8	17.2
40°-50°	367.3	17.9
50°-60°	332.8	16.2
60°-70°	251.1	12.2
70°-80°	136.8	6.7
80°-90°	30.1	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°	579.8	28.3
0°-40°	933.6	45.5
0°-60°	1633.7	79.6
0°-90°	2051.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2051.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	845	843	839	838	839	78
15°	724	722	722	727	729	204
25°	635	640	646	651	649	293
35°	551	557	567	575	572	344
45°	457	466	481	486	487	353
55°	353	361	380	382	381	315
65°	238	244	262	261	260	235
75°	120	125	132	133	131	128
85°	23	23	23	23	22	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	883.3	883.3	883.3	883.3	883.3
2.5°	875.6	874.7	871.8	870.7	870.5
5°	844.9	842.9	838.9	838.5	838.9
7.5°	808.2	806.0	802.1	803.6	805.6
10°	777.3	771.8	770.3	772.5	776.2
12.5°	749.7	745.3	744.0	749.7	752.4
15°	723.5	721.7	722.2	727.0	729.2
17.5°	700.8	699.7	702.5	706.3	707.4
20°	678.0	680.2	682.9	686.9	688.2
22.5°	655.7	659.9	664.3	669.6	667.9
25°	635.2	640.5	645.6	650.9	649.3
27.5°	613.4	619.5	626.6	632.3	630.1
30°	592.4	600.1	607.0	614.0	610.7
32.5°	571.6	578.9	587.1	595.7	591.9
35°	550.7	557.3	566.8	575.4	572.5
37.5°	527.5	535.7	546.5	554.0	552.0
40°	505.9	513.4	526.4	531.3	530.8
42.5°	484.0	490.2	503.9	509.4	508.5
45°	457.3	465.5	481.1	486.5	486.9
47.5°	433.7	440.5	457.3	461.5	462.4
50°	406.6	415.2	431.9	437.0	437.7
52.5°	379.8	389.1	406.3	409.9	410.5
55°	352.7	361.1	379.8	382.5	381.4
57.5°	324.2	334.4	351.6	352.9	354.0
60°	296.4	305.2	322.0	323.8	321.4
62.5°	266.2	275.2	292.4	292.9	290.9
65°	237.5	244.3	261.8	261.3	260.0
67.5°	207.5	215.8	228.7	229.1	228.0
70°	179.4	185.2	197.5	197.8	195.1
72.5°	149.2	155.4	165.3	164.0	163.3
75°	119.8	124.7	132.4	133.3	131.1
77.5°	92.9	96.5	102.2	101.5	99.1
80°	65.3	68.2	72.4	71.5	68.9
82.5°	41.7	43.5	46.1	45.0	43.9
85°	22.7	22.9	23.2	22.9	22.3
87.5°	8.4	8.6	8.6	8.4	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)