

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: P490085

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-35-120-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: P490085  
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-LD4-1HI-35-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

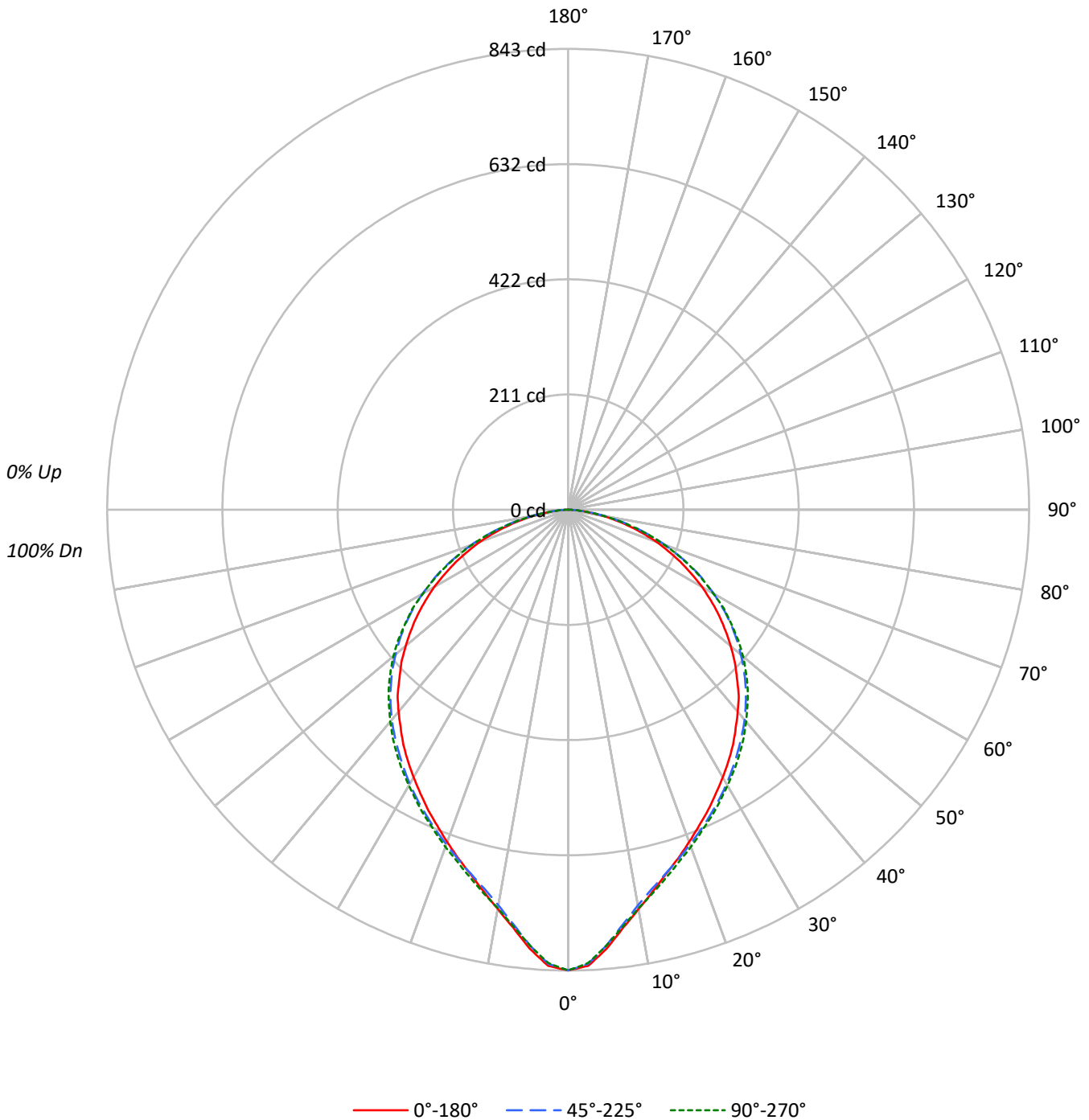
Lumens per Lamp: N/A  
Luminaire Lumens: 1957.1 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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°	4535	4535	4535
5°	4354	4323	4323
10°	4052	4016	4046
15°	3845	3838	3876
20°	3704	3731	3759
25°	3598	3657	3678
30°	3512	3598	3621
35°	3451	3552	3588
40°	3390	3528	3557
45°	3320	3494	3535
50°	3247	3450	3496
55°	3156	3400	3414
60°	3043	3307	3299
65°	2884	3180	3158
70°	2694	2965	2928
75°	2377	2626	2601
80°	1931	2142	2036
85°	1340	1365	1315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.5	3.8
10°-20°	195.0	10.0
20°-30°	283.6	14.5
30°-40°	337.5	17.2
40°-50°	350.4	17.9
50°-60°	317.4	16.2
60°-70°	239.5	12.2
70°-80°	130.5	6.7
80°-90°	28.7	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°	553.1	28.3
0°-40°	890.5	45.5
0°-60°	1558.4	79.6
0°-90°	1957.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	843	843	843	843	843	
5°	806	804	800	800	800	75
15°	690	688	689	694	696	195
25°	606	611	616	621	619	279
35°	525	532	541	549	546	328
45°	436	444	459	464	464	337
55°	336	344	362	365	364	300
65°	226	233	250	249	248	224
75°	114	119	126	127	125	122
85°	22	22	22	22	21	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	842.6	842.6	842.6	842.6	842.6
2.5°	835.2	834.3	831.6	830.6	830.3
5°	805.9	804.0	800.2	799.8	800.2
7.5°	771.0	768.9	765.1	766.6	768.5
10°	741.5	736.2	734.8	736.9	740.4
12.5°	715.2	711.0	709.7	715.2	717.7
15°	690.1	688.4	688.9	693.5	695.6
17.5°	668.5	667.4	670.1	673.7	674.8
20°	646.8	648.9	651.4	655.2	656.4
22.5°	625.5	629.5	633.7	638.8	637.1
25°	605.9	611.0	615.8	620.9	619.4
27.5°	585.1	591.0	597.7	603.2	601.1
30°	565.1	572.4	579.0	585.7	582.6
32.5°	545.3	552.2	560.0	568.2	564.7
35°	525.3	531.6	540.7	548.9	546.1
37.5°	503.2	511.0	521.3	528.4	526.6
40°	482.5	489.7	502.1	506.8	506.3
42.5°	461.7	467.6	480.7	485.9	485.1
45°	436.2	444.0	459.0	464.0	464.4
47.5°	413.7	420.2	436.2	440.2	441.1
50°	387.8	396.0	412.0	416.9	417.5
52.5°	362.3	371.2	387.6	391.0	391.6
55°	336.4	344.4	362.3	364.9	363.8
57.5°	309.3	319.0	335.4	336.6	337.7
60°	282.7	291.2	307.2	308.8	306.5
62.5°	253.9	262.5	279.0	279.4	277.5
65°	226.5	233.1	249.7	249.3	248.0
67.5°	197.9	205.9	218.1	218.5	217.5
70°	171.2	176.6	188.4	188.6	186.1
72.5°	142.3	148.2	157.7	156.4	155.8
75°	114.3	119.0	126.3	127.2	125.1
77.5°	88.6	92.0	97.5	96.9	94.5
80°	62.3	65.1	69.1	68.2	65.7
82.5°	39.8	41.5	44.0	43.0	41.9
85°	21.7	21.9	22.1	21.9	21.3
87.5°	8.0	8.2	8.2	8.0	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)