

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: P489943

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-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: P489943  
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-LD4-1HI-40-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

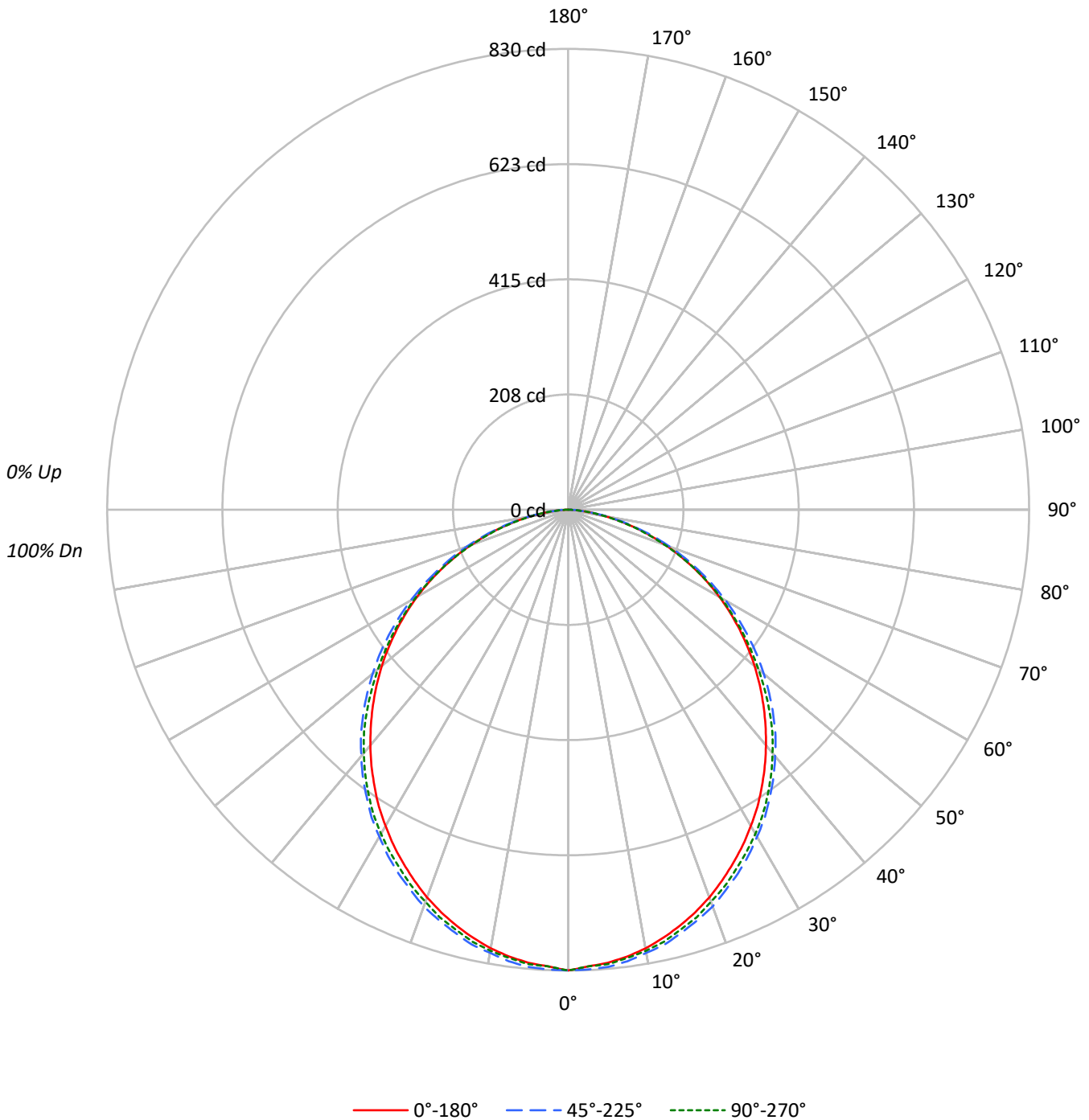
Lumens per Lamp: N/A  
Luminaire Lumens: 2181.6 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	4466	4466	4466
5°	4425	4466	4439
10°	4384	4429	4408
15°	4323	4393	4362
20°	4255	4356	4304
25°	4172	4293	4244
30°	4088	4227	4188
35°	3996	4154	4116
40°	3892	4071	4020
45°	3783	3974	3899
50°	3669	3846	3746
55°	3537	3702	3588
60°	3385	3526	3418
65°	3190	3312	3193
70°	2936	3054	2903
75°	2585	2701	2545
80°	2101	2191	2077
85°	1463	1556	1519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.2	3.6
10°-20°	221.5	10.2
20°-30°	330.3	15.1
30°-40°	391.4	17.9
40°-50°	396.0	18.2
50°-60°	345.9	15.9
60°-70°	252.8	11.6
70°-80°	134.5	6.2
80°-90°	31.1	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°	629.9	28.9
0°-40°	1021.3	46.8
0°-60°	1763.2	80.8
0°-90°	2181.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2181.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	819	821	827	829	822	78
15°	776	781	788	793	783	219
25°	703	711	723	726	715	324
35°	608	618	632	637	626	380
45°	497	506	522	522	512	383
55°	377	384	394	389	382	337
65°	250	256	260	255	251	248
75°	124	127	130	125	122	132
85°	24	24	25	26	25	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	829.8	829.8	829.8	829.8	829.8
2.5°	823.3	826.0	828.8	830.0	823.2
5°	819.0	820.6	826.7	828.6	821.6
7.5°	811.9	814.2	820.2	821.1	814.3
10°	802.2	806.4	810.4	814.7	806.5
12.5°	789.9	795.5	802.2	803.0	796.8
15°	775.9	781.1	788.5	793.2	782.9
17.5°	760.4	765.4	774.9	775.8	769.5
20°	743.0	749.2	760.6	762.6	751.5
22.5°	723.3	731.7	741.2	743.1	734.9
25°	702.6	711.3	723.0	725.7	714.7
27.5°	681.0	689.3	702.5	704.4	695.2
30°	657.8	665.6	680.1	683.3	673.9
32.5°	634.3	642.1	658.2	660.9	651.7
35°	608.2	617.7	632.3	636.7	626.5
37.5°	581.6	590.8	607.4	611.4	600.3
40°	554.0	563.2	579.5	582.8	572.2
42.5°	525.8	535.0	552.5	553.0	544.2
45°	497.0	505.9	522.1	522.5	512.3
47.5°	467.8	476.7	491.2	489.6	479.9
50°	438.2	446.7	459.4	456.1	447.4
52.5°	407.6	415.9	427.9	422.5	414.3
55°	376.9	384.5	394.5	388.8	382.4
57.5°	345.8	353.5	361.2	355.4	349.9
60°	314.5	321.3	327.6	321.7	317.5
62.5°	282.7	288.5	293.9	288.3	284.4
65°	250.5	255.6	260.1	255.0	250.7
67.5°	218.6	222.9	227.0	221.7	217.3
70°	186.6	190.3	194.1	188.6	184.5
72.5°	155.0	158.3	161.7	156.3	152.8
75°	124.3	127.2	129.9	125.2	122.4
77.5°	95.0	97.4	99.3	96.3	93.6
80°	67.8	69.6	70.7	69.5	67.0
82.5°	43.6	44.9	45.5	45.4	43.7
85°	23.7	24.1	25.2	25.5	24.6
87.5°	9.2	9.8	10.0	10.8	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)