

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: P489985

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-27-120-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: P489985
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-LD4-2LO-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

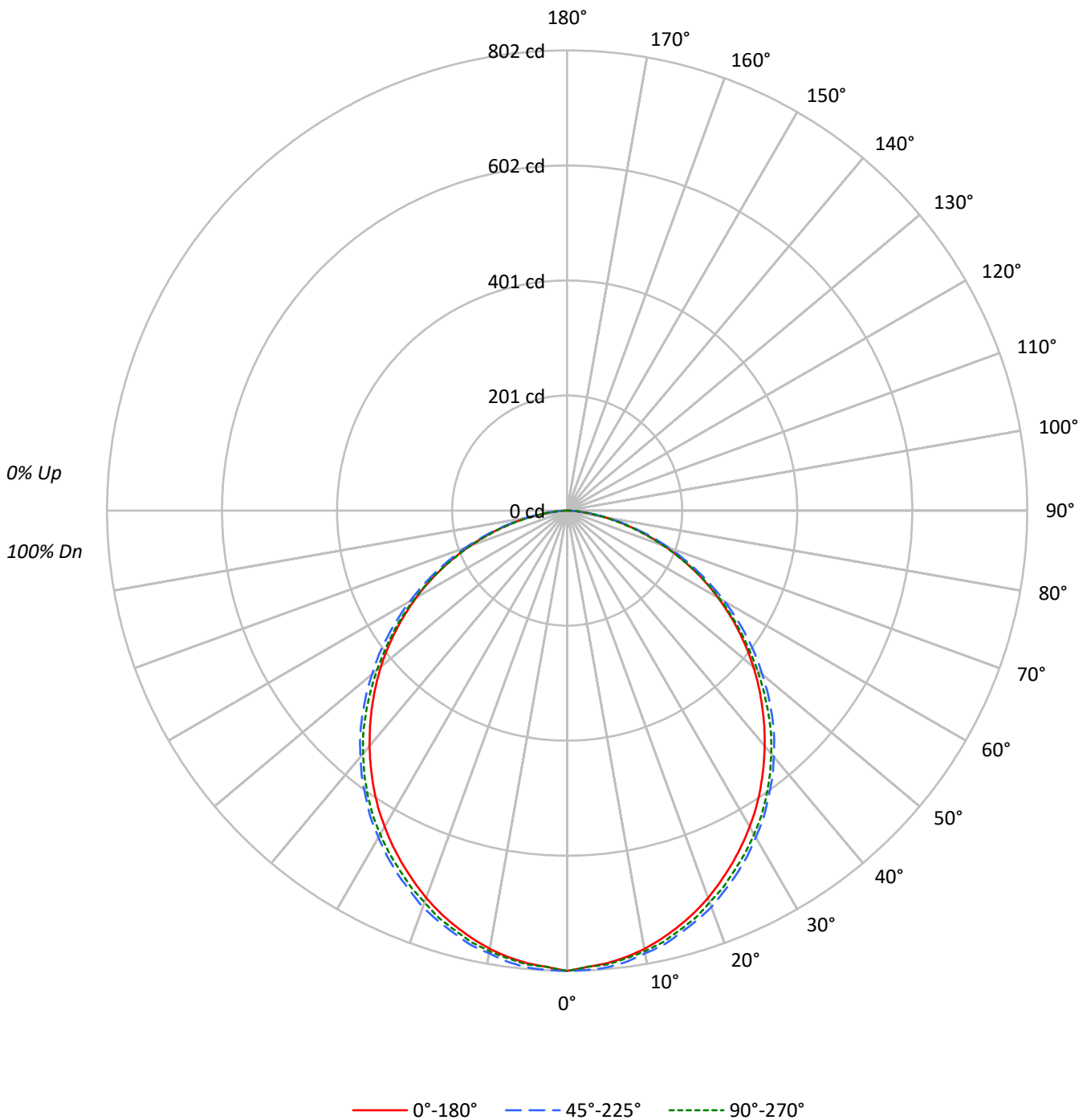
Lumens per Lamp: N/A
Luminaire Lumens: 2109.5 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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°	4318	4318	4318
5°	4278	4319	4292
10°	4239	4282	4262
15°	4181	4248	4218
20°	4115	4212	4161
25°	4035	4151	4104
30°	3953	4087	4050
35°	3864	4017	3980
40°	3764	3937	3887
45°	3658	3843	3770
50°	3548	3719	3622
55°	3419	3580	3470
60°	3273	3410	3305
65°	3086	3203	3087
70°	2839	2954	2807
75°	2499	2612	2462
80°	2030	2120	2008
85°	1414	1507	1470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	3.6
10°-20°	214.1	10.2
20°-30°	319.4	15.1
30°-40°	378.5	17.9
40°-50°	383.0	18.2
50°-60°	334.5	15.9
60°-70°	244.4	11.6
70°-80°	130.0	6.2
80°-90°	30.1	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°	609.1	28.9
0°-40°	987.6	46.8
0°-60°	1705.0	80.8
0°-90°	2109.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	792	793	799	801	794	75
15°	750	755	762	767	757	212
25°	679	688	699	702	691	313
35°	588	597	611	616	606	368
45°	481	489	505	505	495	371
55°	364	372	382	376	370	326
65°	242	247	252	246	242	240
75°	120	123	126	121	118	128
85°	23	23	24	25	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	802.4	802.4	802.4	802.4	802.4
2.5°	796.1	798.7	801.4	802.5	796.0
5°	791.9	793.4	799.4	801.2	794.4
7.5°	785.1	787.3	793.1	793.9	787.4
10°	775.7	779.7	783.6	787.7	779.8
12.5°	763.8	769.2	775.7	776.5	770.4
15°	750.3	755.3	762.4	767.0	757.1
17.5°	735.2	740.1	749.3	750.1	744.1
20°	718.4	724.5	735.5	737.4	726.6
22.5°	699.4	707.5	716.7	718.5	710.6
25°	679.4	687.8	699.1	701.7	691.1
27.5°	658.5	666.5	679.3	681.2	672.2
30°	636.1	643.6	657.7	660.8	651.7
32.5°	613.4	620.9	636.4	639.0	630.2
35°	588.1	597.3	611.4	615.7	605.8
37.5°	562.4	571.3	587.4	591.2	580.5
40°	535.7	544.6	560.4	563.5	553.3
42.5°	508.4	517.3	534.2	534.7	526.2
45°	480.6	489.1	504.9	505.3	495.3
47.5°	452.4	461.0	475.0	473.4	464.1
50°	423.8	432.0	444.2	441.1	432.6
52.5°	394.2	402.1	413.7	408.5	400.6
55°	364.4	371.8	381.5	375.9	369.8
57.5°	334.4	341.8	349.3	343.7	338.3
60°	304.1	310.7	316.8	311.1	307.0
62.5°	273.4	279.0	284.2	278.8	275.0
65°	242.3	247.2	251.5	246.5	242.4
67.5°	211.3	215.5	219.5	214.3	210.1
70°	180.4	184.0	187.7	182.3	178.4
72.5°	149.9	153.1	156.3	151.1	147.7
75°	120.2	123.0	125.6	121.1	118.4
77.5°	91.9	94.2	96.1	93.1	90.5
80°	65.5	67.3	68.4	67.2	64.8
82.5°	42.1	43.4	44.0	43.9	42.3
85°	22.9	23.3	24.4	24.7	23.8
87.5°	8.9	9.4	9.7	10.4	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)