

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: P489942

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-40-120-EDD-90**

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: P489942
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-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

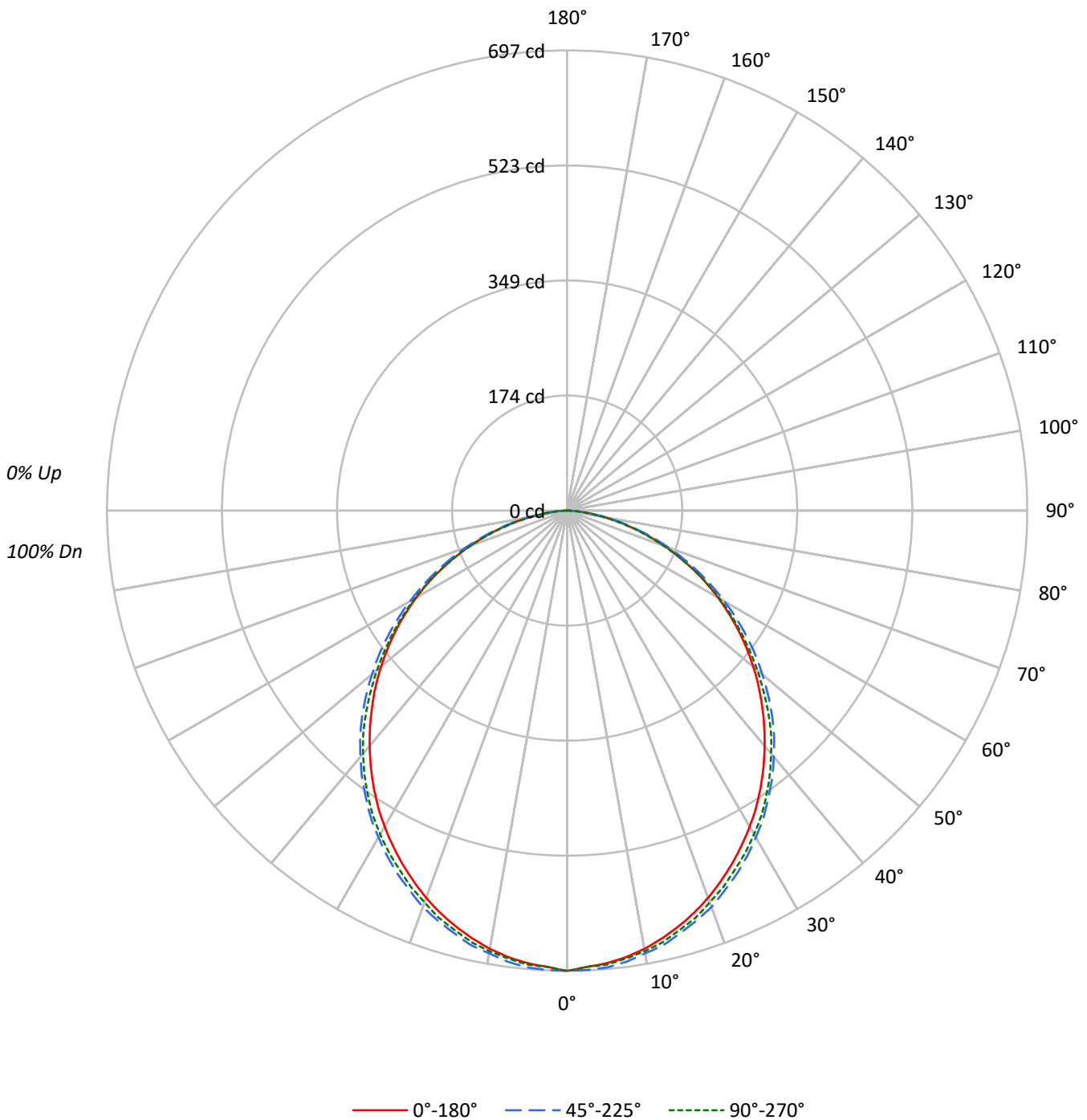
Lumens per Lamp: N/A
Luminaire Lumens: 1833.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	3752	3752	3752
5°	3717	3753	3729
10°	3683	3721	3703
15°	3633	3691	3665
20°	3576	3660	3616
25°	3506	3608	3566
30°	3435	3552	3519
35°	3357	3491	3459
40°	3270	3421	3377
45°	3178	3339	3276
50°	3083	3232	3147
55°	2971	3111	3015
60°	2845	2962	2871
65°	2681	2784	2683
70°	2467	2567	2439
75°	2173	2271	2140
80°	1767	1841	1745
85°	1229	1309	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	3.6
10°-20°	186.1	10.2
20°-30°	277.5	15.1
30°-40°	328.9	17.9
40°-50°	332.8	18.2
50°-60°	290.6	15.9
60°-70°	212.4	11.6
70°-80°	113.0	6.2
80°-90°	26.1	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°	529.3	28.9
0°-40°	858.1	46.8
0°-60°	1481.5	80.8
0°-90°	1833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	688	689	695	696	690	65
15°	652	656	662	666	658	184
25°	590	598	608	610	600	272
35°	511	519	531	535	526	320
45°	418	425	439	439	430	322
55°	317	323	332	327	321	283
65°	210	215	219	214	211	208
75°	104	107	109	105	103	111
85°	20	20	21	21	21	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	697.2	697.2	697.2	697.2	697.2
2.5°	691.8	694.0	696.3	697.4	691.7
5°	688.1	689.4	694.6	696.2	690.3
7.5°	682.2	684.1	689.1	689.9	684.2
10°	674.0	677.5	680.9	684.5	677.6
12.5°	663.6	668.4	674.0	674.7	669.5
15°	652.0	656.3	662.5	666.5	657.8
17.5°	638.9	643.1	651.1	651.8	646.6
20°	624.3	629.5	639.1	640.8	631.4
22.5°	607.7	614.8	622.8	624.3	617.4
25°	590.4	597.6	607.5	609.7	600.5
27.5°	572.2	579.2	590.3	591.9	584.1
30°	552.7	559.3	571.5	574.2	566.2
32.5°	533.0	539.5	553.0	555.3	547.6
35°	511.0	519.0	531.3	535.0	526.4
37.5°	488.7	496.4	510.4	513.7	504.4
40°	465.5	473.2	486.9	489.7	480.7
42.5°	441.8	449.5	464.2	464.6	457.2
45°	417.6	425.0	438.7	439.0	430.4
47.5°	393.1	400.5	412.7	411.4	403.2
50°	368.2	375.3	386.0	383.3	375.9
52.5°	342.5	349.4	359.5	355.0	348.1
55°	316.6	323.0	331.5	326.7	321.3
57.5°	290.6	297.0	303.5	298.6	294.0
60°	264.3	269.9	275.2	270.3	266.7
62.5°	237.5	242.4	247.0	242.3	238.9
65°	210.5	214.8	218.6	214.2	210.7
67.5°	183.6	187.3	190.8	186.3	182.5
70°	156.8	159.9	163.1	158.4	155.0
72.5°	130.2	133.0	135.8	131.3	128.4
75°	104.5	106.9	109.2	105.2	102.9
77.5°	79.8	81.9	83.5	80.9	78.7
80°	57.0	58.5	59.4	58.4	56.3
82.5°	36.6	37.7	38.2	38.1	36.8
85°	19.9	20.3	21.2	21.4	20.7
87.5°	7.7	8.2	8.4	9.1	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)