

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: P489936

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-27-120-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: P489936
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

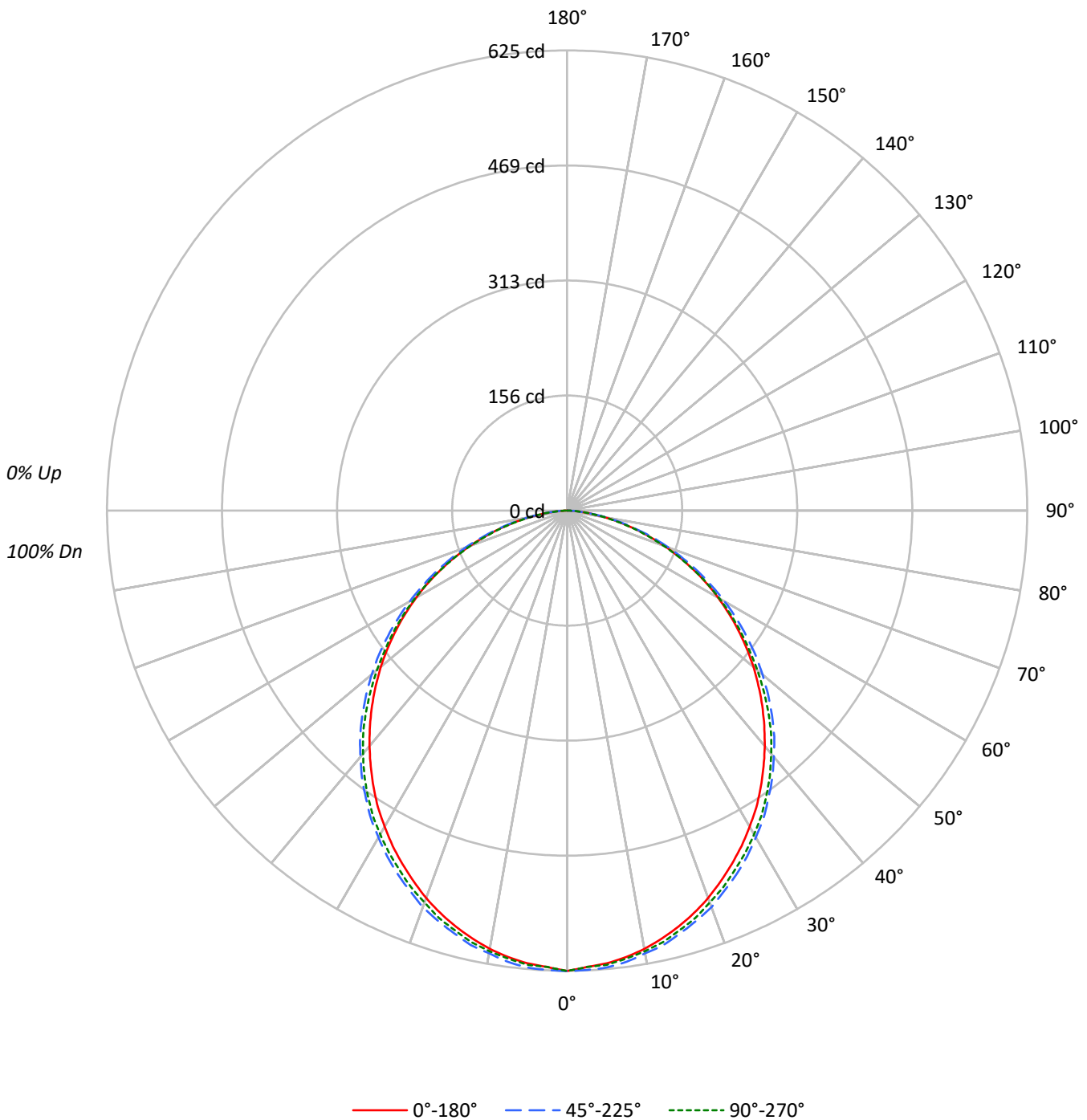
Lumens per Lamp: N/A
Luminaire Lumens: 1644.2 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3366	3366	3366
5°	3335	3366	3345
10°	3304	3337	3322
15°	3258	3311	3288
20°	3207	3283	3244
25°	3144	3236	3199
30°	3081	3186	3156
35°	3012	3131	3102
40°	2933	3069	3029
45°	2851	2995	2939
50°	2766	2900	2823
55°	2665	2790	2704
60°	2551	2658	2576
65°	2404	2497	2407
70°	2212	2302	2187
75°	1948	2036	1919
80°	1584	1652	1565
85°	1105	1173	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.6
10°-20°	166.9	10.2
20°-30°	248.9	15.1
30°-40°	295.0	17.9
40°-50°	298.5	18.2
50°-60°	260.7	15.9
60°-70°	190.5	11.6
70°-80°	101.4	6.2
80°-90°	23.4	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°	474.7	28.9
0°-40°	769.7	46.8
0°-60°	1328.9	80.8
0°-90°	1644.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	617	618	623	624	619	59
15°	585	589	594	598	590	165
25°	530	536	545	547	539	244
35°	458	466	477	480	472	287
45°	375	381	394	394	386	289
55°	284	290	297	293	288	254
65°	189	193	196	192	189	187
75°	94	96	98	94	92	100
85°	18	18	19	19	19	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.4	625.4	625.4	625.4	625.4
2.5°	620.5	622.5	624.6	625.5	620.4
5°	617.3	618.4	623.0	624.5	619.2
7.5°	611.9	613.7	618.2	618.8	613.7
10°	604.6	607.7	610.7	614.0	607.8
12.5°	595.3	599.5	604.6	605.2	600.5
15°	584.8	588.7	594.2	597.8	590.1
17.5°	573.1	576.9	584.0	584.7	580.0
20°	560.0	564.7	573.3	574.8	566.4
22.5°	545.1	551.4	558.6	560.0	553.9
25°	529.5	536.1	544.9	546.9	538.7
27.5°	513.3	519.5	529.5	530.9	523.9
30°	495.8	501.7	512.6	515.0	507.9
32.5°	478.1	483.9	496.1	498.1	491.2
35°	458.4	465.6	476.6	479.9	472.1
37.5°	438.3	445.3	457.8	460.8	452.5
40°	417.5	424.4	436.8	439.2	431.2
42.5°	396.3	403.2	416.4	416.8	410.1
45°	374.6	381.2	393.5	393.8	386.1
47.5°	352.6	359.3	370.2	369.0	361.7
50°	330.3	336.7	346.3	343.8	337.2
52.5°	307.2	313.4	322.5	318.4	312.2
55°	284.0	289.8	297.3	293.0	288.2
57.5°	260.6	266.4	272.2	267.9	263.7
60°	237.0	242.1	246.9	242.5	239.3
62.5°	213.1	217.4	221.5	217.3	214.3
65°	188.8	192.7	196.1	192.2	189.0
67.5°	164.7	168.0	171.1	167.1	163.7
70°	140.6	143.4	146.3	142.1	139.0
72.5°	116.8	119.3	121.8	117.8	115.1
75°	93.7	95.8	97.9	94.4	92.3
77.5°	71.6	73.4	74.9	72.6	70.6
80°	51.1	52.5	53.3	52.4	50.5
82.5°	32.8	33.8	34.3	34.2	33.0
85°	17.9	18.2	19.0	19.2	18.6
87.5°	6.9	7.4	7.6	8.1	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)