

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: P489988

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-35-120-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: P489988
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-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

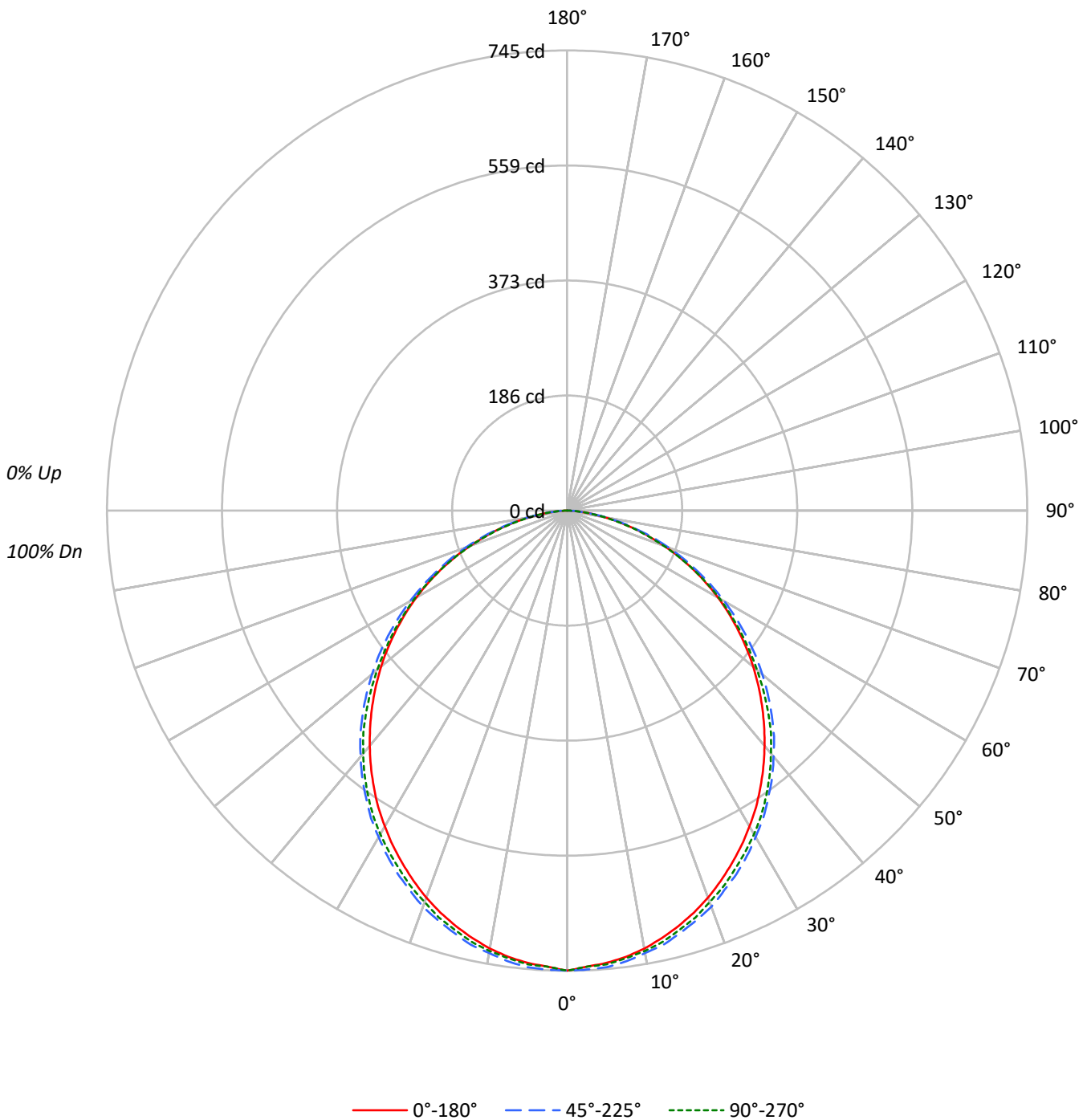
Lumens per Lamp: N/A
Luminaire Lumens: 1958.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85					85			
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60					60			
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51					51			
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39					39			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4008	4008	4008
5°	3971	4009	3984
10°	3935	3975	3956
15°	3880	3943	3915
20°	3819	3910	3863
25°	3745	3853	3809
30°	3669	3793	3759
35°	3587	3729	3694
40°	3493	3654	3608
45°	3395	3567	3499
50°	3293	3452	3363
55°	3173	3323	3220
60°	3039	3165	3067
65°	2864	2974	2865
70°	2634	2741	2606
75°	2321	2425	2285
80°	1884	1968	1863
85°	1315	1402	1365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.6
10°-20°	198.8	10.2
20°-30°	296.4	15.1
30°-40°	351.3	17.9
40°-50°	355.5	18.2
50°-60°	310.4	15.9
60°-70°	226.8	11.6
70°-80°	120.7	6.2
80°-90°	27.9	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°	565.4	28.9
0°-40°	916.6	46.8
0°-60°	1582.5	80.8
0°-90°	1958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	735	736	742	744	737	70
15°	696	701	708	712	703	196
25°	631	638	649	651	642	291
35°	546	554	568	572	562	341
45°	446	454	469	469	460	344
55°	338	345	354	349	343	302
65°	225	229	234	229	225	223
75°	112	114	117	112	110	119
85°	21	22	23	23	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.8	744.8	744.8	744.8	744.8
2.5°	738.9	741.3	743.8	744.9	738.9
5°	735.1	736.5	742.0	743.7	737.4
7.5°	728.7	730.8	736.1	736.9	730.9
10°	720.0	723.7	727.3	731.2	723.8
12.5°	708.9	713.9	720.0	720.7	715.1
15°	696.4	701.1	707.7	711.9	702.7
17.5°	682.4	686.9	695.5	696.3	690.7
20°	666.8	672.4	682.7	684.5	674.5
22.5°	649.2	656.7	665.2	666.9	659.6
25°	630.6	638.4	648.9	651.3	641.5
27.5°	611.2	618.7	630.5	632.2	623.9
30°	590.4	597.4	610.4	613.3	604.9
32.5°	569.3	576.3	590.7	593.1	584.9
35°	545.9	554.4	567.5	571.5	562.3
37.5°	522.0	530.3	545.2	548.7	538.8
40°	497.2	505.5	520.1	523.1	513.5
42.5°	471.9	480.2	495.8	496.3	488.4
45°	446.1	454.0	468.6	469.0	459.7
47.5°	419.9	427.9	440.9	439.4	430.7
50°	393.3	400.9	412.3	409.4	401.6
52.5°	365.9	373.2	384.0	379.2	371.8
55°	338.2	345.1	354.1	348.9	343.2
57.5°	310.4	317.3	324.2	319.0	314.0
60°	282.3	288.3	294.0	288.7	284.9
62.5°	253.7	258.9	263.8	258.8	255.2
65°	224.9	229.4	233.5	228.8	225.0
67.5°	196.2	200.0	203.8	199.0	195.0
70°	167.4	170.8	174.2	169.2	165.6
72.5°	139.1	142.1	145.1	140.3	137.1
75°	111.6	114.1	116.6	112.4	109.9
77.5°	85.3	87.4	89.2	86.4	84.0
80°	60.8	62.5	63.5	62.4	60.1
82.5°	39.1	40.3	40.8	40.7	39.3
85°	21.3	21.6	22.7	22.9	22.1
87.5°	8.2	8.8	9.0	9.7	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)