

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: P489945

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-50-120-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: P489945
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-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

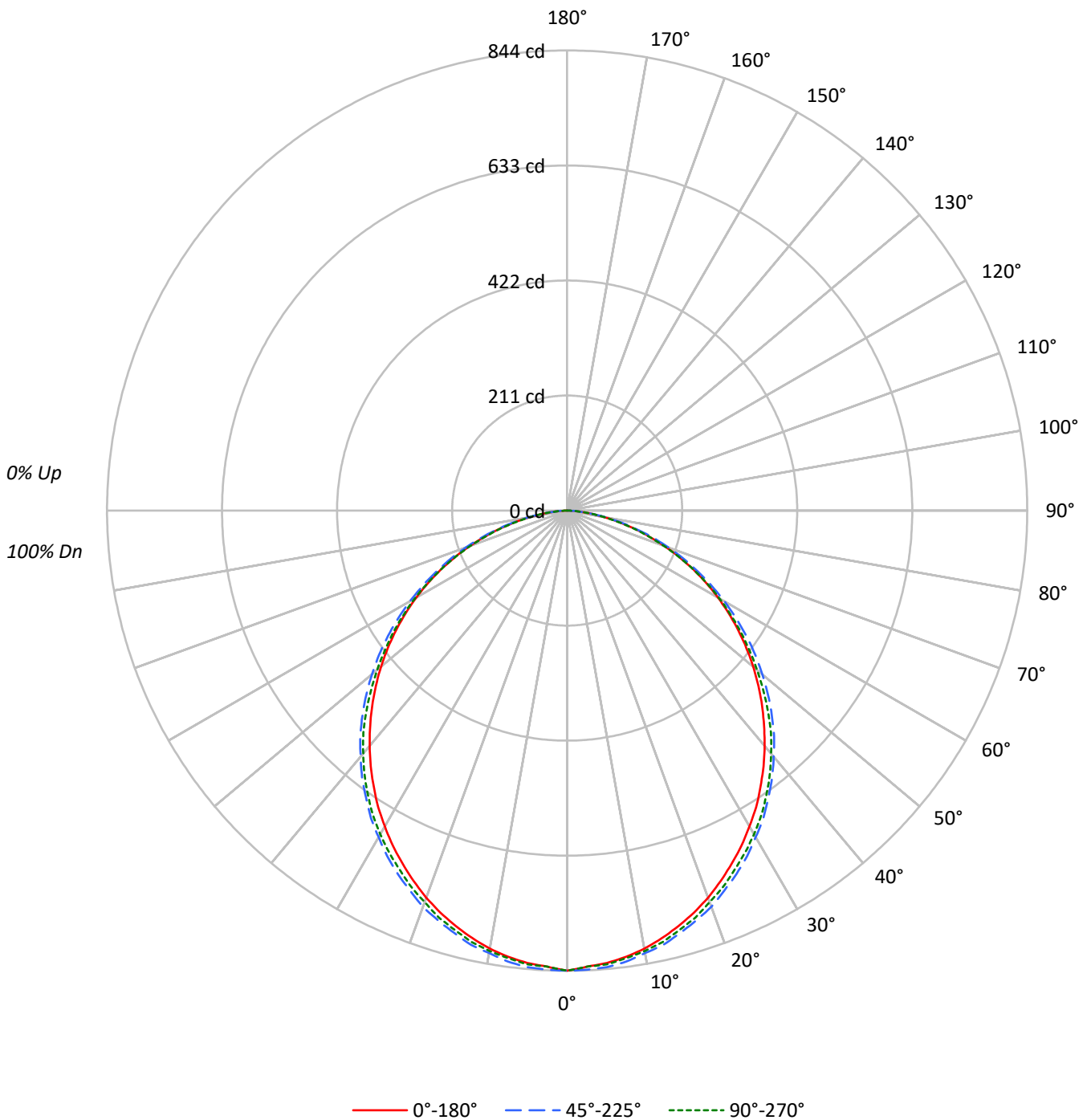
Lumens per Lamp: N/A
Luminaire Lumens: 2218.6 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1HI-50-120-EDD

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°	4542	4542	4542
5°	4500	4542	4514
10°	4458	4504	4482
15°	4397	4467	4436
20°	4328	4430	4377
25°	4243	4366	4317
30°	4158	4299	4259
35°	4064	4225	4186
40°	3958	4140	4088
45°	3847	4042	3965
50°	3732	3912	3810
55°	3597	3765	3649
60°	3443	3585	3476
65°	3245	3370	3247
70°	2985	3106	2952
75°	2628	2747	2589
80°	2135	2228	2111
85°	1488	1587	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.6
10°-20°	225.2	10.2
20°-30°	335.9	15.1
30°-40°	398.1	17.9
40°-50°	402.8	18.2
50°-60°	351.8	15.9
60°-70°	257.1	11.6
70°-80°	136.8	6.2
80°-90°	31.6	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°	640.6	28.9
0°-40°	1038.7	46.8
0°-60°	1793.2	80.8
0°-90°	2218.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	833	834	841	843	836	79
15°	789	794	802	807	796	222
25°	714	723	735	738	727	329
35°	618	628	643	648	637	387
45°	506	514	531	531	521	390
55°	383	391	401	395	389	343
65°	255	260	265	259	255	252
75°	126	129	132	127	124	134
85°	24	24	26	26	25	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	843.9	843.9	843.9	843.9	843.9
2.5°	837.3	840.0	842.8	844.1	837.2
5°	832.9	834.5	840.7	842.6	835.5
7.5°	825.7	828.1	834.1	835.0	828.1
10°	815.8	820.0	824.1	828.5	820.1
12.5°	803.3	809.0	815.8	816.6	810.3
15°	789.1	794.4	801.8	806.7	796.2
17.5°	773.3	778.4	788.0	788.9	782.6
20°	755.6	761.9	773.5	775.6	764.2
22.5°	735.6	744.1	753.8	755.7	747.3
25°	714.5	723.3	735.3	738.0	726.9
27.5°	692.6	701.0	714.5	716.4	707.0
30°	669.0	676.9	691.7	694.9	685.4
32.5°	645.1	653.0	669.4	672.1	662.8
35°	618.5	628.2	643.1	647.5	637.1
37.5°	591.5	600.9	617.7	621.8	610.5
40°	563.4	572.7	589.3	592.7	581.9
42.5°	534.7	544.1	561.8	562.3	553.4
45°	505.5	514.4	531.0	531.4	520.9
47.5°	475.7	484.8	499.6	497.9	488.1
50°	445.7	454.3	467.2	463.9	455.0
52.5°	414.6	422.9	435.1	429.7	421.3
55°	383.3	391.0	401.2	395.4	388.9
57.5°	351.7	359.5	367.3	361.4	355.8
60°	319.9	326.7	333.1	327.2	322.9
62.5°	287.5	293.4	298.9	293.2	289.2
65°	254.8	260.0	264.6	259.3	255.0
67.5°	222.3	226.7	230.9	225.4	220.9
70°	189.7	193.5	197.4	191.8	187.6
72.5°	157.6	161.0	164.4	159.0	155.4
75°	126.4	129.3	132.1	127.3	124.5
77.5°	96.6	99.1	101.0	97.9	95.2
80°	68.9	70.8	71.9	70.7	68.1
82.5°	44.3	45.6	46.2	46.2	44.5
85°	24.1	24.5	25.7	25.9	25.1
87.5°	9.3	9.9	10.2	11.0	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)