

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: P490142

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-30-120-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: P490142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)
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-P12125-LD4-2STD-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

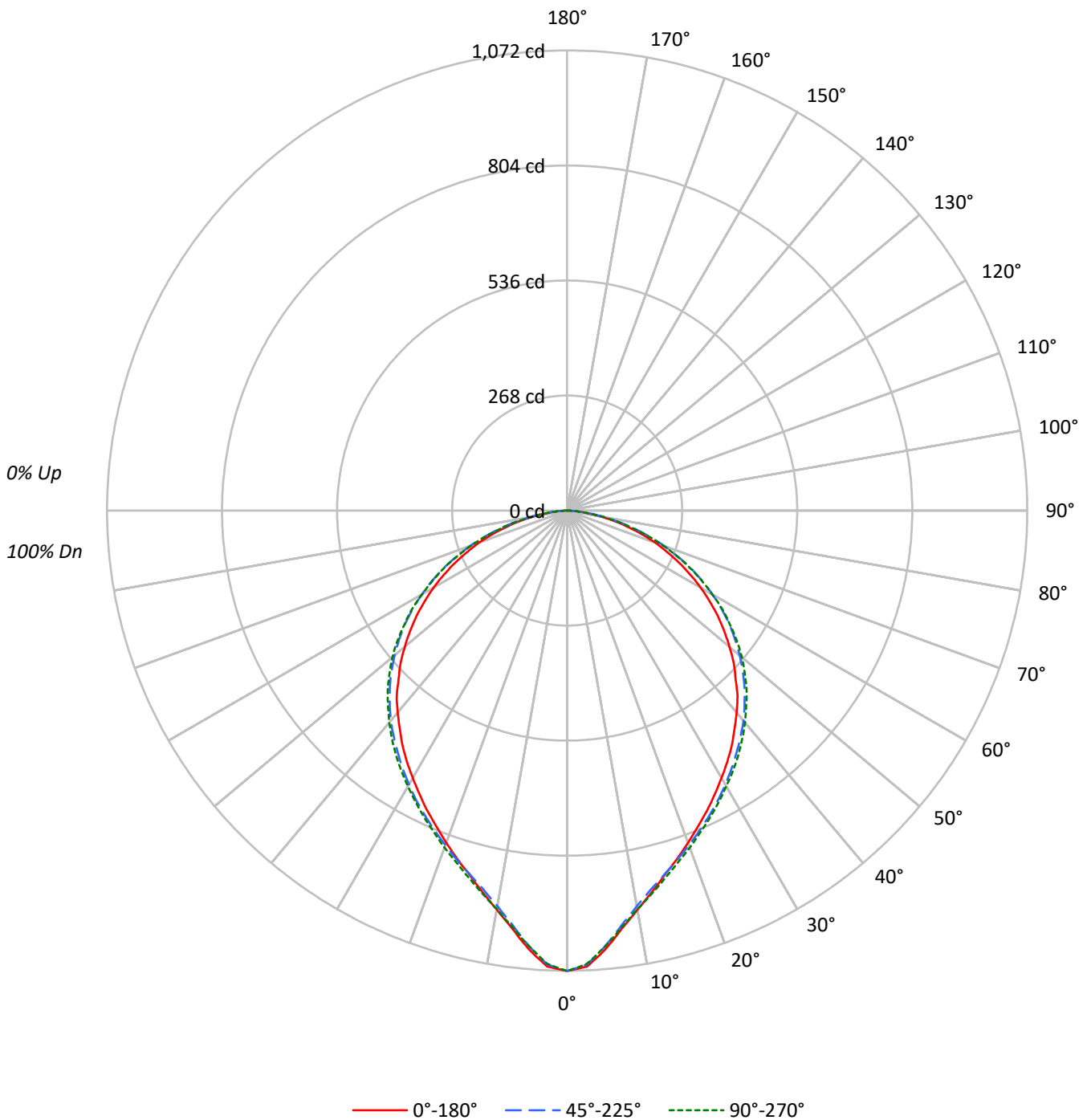
Lumens per Lamp: N/A
Luminaire Lumens: 2491.3 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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

TEST NUMBER: P490142

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-2STD-30-120-EDD-90

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5772	5772	5772
5°	5542	5504	5504
10°	5158	5111	5151
15°	4895	4886	4934
20°	4715	4749	4786
25°	4580	4655	4682
30°	4470	4580	4609
35°	4393	4522	4568
40°	4316	4491	4528
45°	4227	4446	4500
50°	4134	4392	4450
55°	4019	4328	4345
60°	3874	4209	4200
65°	3673	4047	4020
70°	3429	3775	3728
75°	3026	3344	3310
80°	2458	2724	2591
85°	1704	1735	1673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.8
10°-20°	248.2	10.0
20°-30°	361.0	14.5
30°-40°	429.6	17.2
40°-50°	446.0	17.9
50°-60°	404.1	16.2
60°-70°	304.9	12.2
70°-80°	166.1	6.7
80°-90°	36.5	1.5
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°	704.0	28.3
0°-40°	1133.6	45.5
0°-60°	1983.7	79.6
0°-90°	2491.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1026	1024	1019	1018	1019	95
15°	878	876	877	883	886	248
25°	771	778	784	790	788	355
35°	669	677	688	699	695	418
45°	555	565	584	591	591	429
55°	428	438	461	464	463	382
65°	288	297	318	317	316	285
75°	146	151	161	162	159	155
85°	28	28	28	28	27	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.5	1072.5	1072.5	1072.5	1072.5
2.5°	1063.2	1062.1	1058.6	1057.3	1057.0
5°	1025.9	1023.5	1018.7	1018.1	1018.7
7.5°	981.4	978.7	973.9	975.8	978.2
10°	943.9	937.2	935.3	938.0	942.6
12.5°	910.4	905.0	903.4	910.4	913.6
15°	878.5	876.4	876.9	882.8	885.5
17.5°	850.9	849.6	853.1	857.6	859.0
20°	823.3	826.0	829.2	834.0	835.6
22.5°	796.2	801.3	806.7	813.1	811.0
25°	771.3	777.7	783.9	790.3	788.5
27.5°	744.8	752.3	760.9	767.8	765.1
30°	719.3	728.7	737.0	745.6	741.6
32.5°	694.1	703.0	712.9	723.3	718.8
35°	668.7	676.7	688.2	698.7	695.2
37.5°	640.5	650.4	663.6	672.7	670.3
40°	614.3	623.4	639.2	645.1	644.5
42.5°	587.7	595.2	611.8	618.5	617.5
45°	555.3	565.2	584.2	590.7	591.2
47.5°	526.6	534.9	555.3	560.4	561.5
50°	493.7	504.1	524.5	530.6	531.5
52.5°	461.2	472.5	493.4	497.7	498.5
55°	428.3	438.4	461.2	464.5	463.1
57.5°	393.7	406.0	426.9	428.5	429.9
60°	359.9	370.6	391.0	393.2	390.2
62.5°	323.2	334.2	355.1	355.6	353.2
65°	288.4	296.7	317.8	317.3	315.7
67.5°	251.9	262.1	277.7	278.2	276.9
70°	217.9	224.8	239.9	240.1	236.9
72.5°	181.2	188.7	200.7	199.1	198.3
75°	145.5	151.4	160.8	161.9	159.2
77.5°	112.8	117.1	124.1	123.3	120.3
80°	79.3	82.8	87.9	86.8	83.6
82.5°	50.6	52.8	56.0	54.7	53.3
85°	27.6	27.9	28.1	27.9	27.1
87.5°	10.2	10.5	10.5	10.2	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)