

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: P489998

Luminaire Tested: **CLP-12-2-INS-A12125-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: P489998
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-LD4-2STD-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

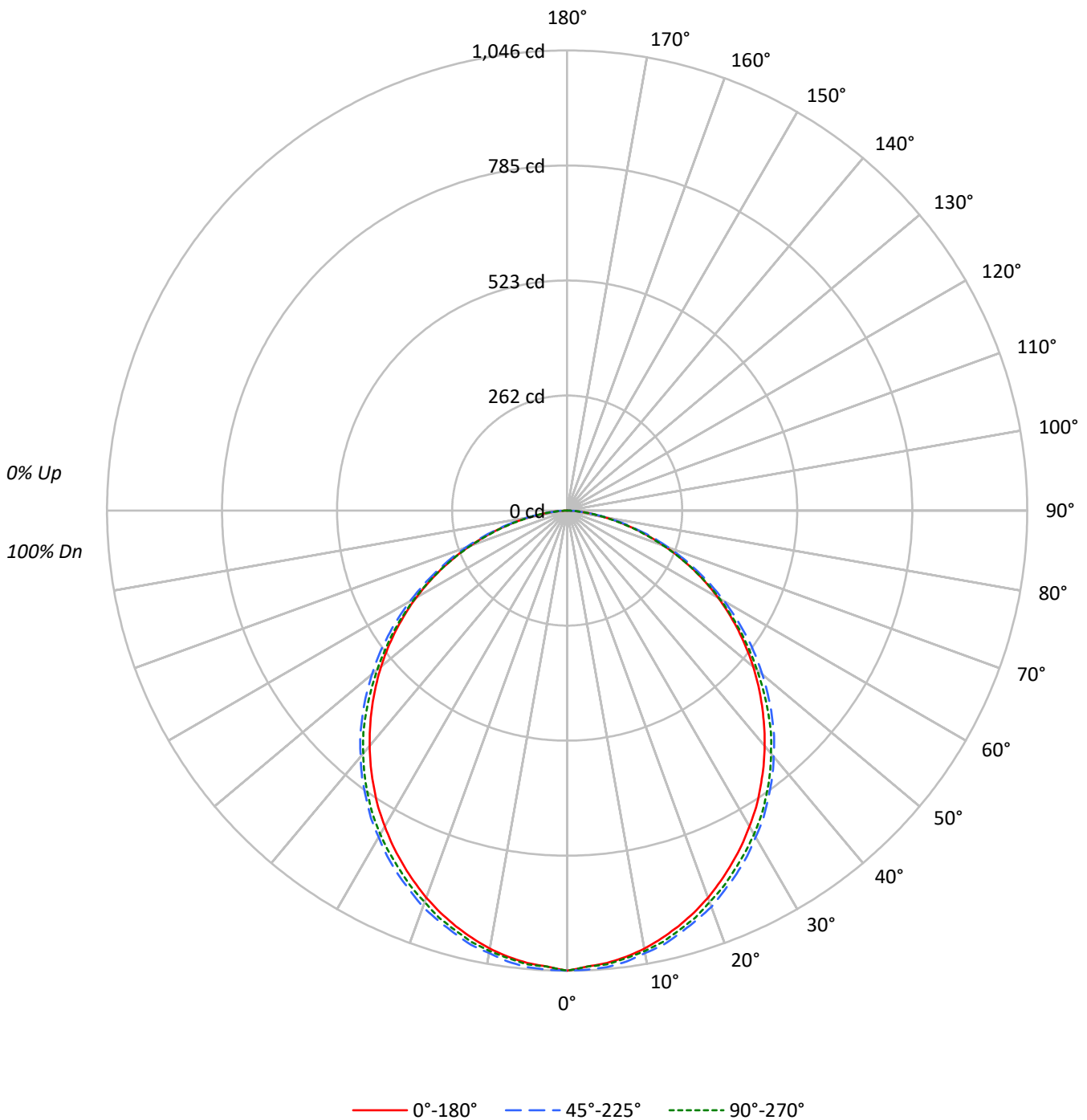
Lumens per Lamp: N/A
Luminaire Lumens: 2749.6 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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

TEST NUMBER: P489998

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2STD-30-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P489998

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2STD-30-120-EDD-90

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°	5628	5628	5628
5°	5576	5629	5594
10°	5526	5581	5555
15°	5449	5537	5498
20°	5363	5491	5424
25°	5259	5412	5349
30°	5152	5327	5279
35°	5037	5236	5188
40°	4906	5132	5066
45°	4768	5008	4914
50°	4624	4848	4721
55°	4457	4665	4523
60°	4267	4444	4307
65°	4022	4176	4024
70°	3699	3849	3659
75°	3258	3406	3209
80°	2647	2762	2616
85°	1846	1964	1920



TEST NUMBER: P489998

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2STD-30-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.6
10°-20°	279.1	10.2
20°-30°	416.3	15.1
30°-40°	493.3	17.9
40°-50°	499.2	18.2
50°-60°	436.0	15.9
60°-70°	318.6	11.6
70°-80°	169.5	6.2
80°-90°	39.2	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°	793.9	28.9
0°-40°	1287.3	46.8
0°-60°	2222.4	80.8
0°-90°	2749.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2749.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1032	1034	1042	1044	1036	98
15°	978	984	994	1000	987	276
25°	886	896	911	915	901	408
35°	767	779	797	802	790	479
45°	626	638	658	659	646	483
55°	475	485	497	490	482	425
65°	316	322	328	321	316	312
75°	157	160	164	158	154	167
85°	30	30	32	32	31	38
90°	0	0	0	0	0	



TEST NUMBER: P489998

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2STD-30-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1045.8	1045.8	1045.8	1045.8	1045.8
2.5°	1037.7	1041.1	1044.5	1046.1	1037.6
5°	1032.2	1034.2	1041.9	1044.3	1035.5
7.5°	1023.3	1026.2	1033.8	1034.8	1026.3
10°	1011.1	1016.3	1021.3	1026.8	1016.4
12.5°	995.5	1002.6	1011.1	1012.1	1004.2
15°	978.0	984.5	993.8	999.8	986.8
17.5°	958.4	964.7	976.7	977.7	969.9
20°	936.4	944.3	958.7	961.2	947.1
22.5°	911.6	922.2	934.2	936.6	926.2
25°	885.6	896.5	911.3	914.7	900.8
27.5°	858.3	868.8	885.5	887.9	876.2
30°	829.1	838.9	857.2	861.3	849.4
32.5°	799.5	809.3	829.6	832.9	821.4
35°	766.6	778.6	797.0	802.5	789.6
37.5°	733.0	744.7	765.6	770.6	756.7
40°	698.3	709.8	730.4	734.5	721.1
42.5°	662.7	674.3	696.3	696.9	685.8
45°	626.4	637.6	658.0	658.6	645.6
47.5°	589.6	600.8	619.1	617.1	604.9
50°	552.3	563.0	579.0	574.9	563.9
52.5°	513.8	524.1	539.3	532.5	522.2
55°	475.0	484.6	497.2	490.0	482.0
57.5°	435.9	445.6	455.3	448.0	441.0
60°	396.4	404.9	412.9	405.5	400.1
62.5°	356.3	363.6	370.5	363.4	358.4
65°	315.8	322.2	327.9	321.3	316.0
67.5°	275.5	280.9	286.1	279.4	273.8
70°	235.1	239.8	244.6	237.7	232.5
72.5°	195.4	199.5	203.8	197.0	192.5
75°	156.7	160.3	163.8	157.8	154.3
77.5°	119.8	122.8	125.2	121.4	118.0
80°	85.4	87.7	89.1	87.6	84.4
82.5°	54.9	56.6	57.3	57.2	55.1
85°	29.9	30.4	31.8	32.1	31.1
87.5°	11.6	12.3	12.6	13.6	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)