

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: P489935

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-20-120-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: P489935
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-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

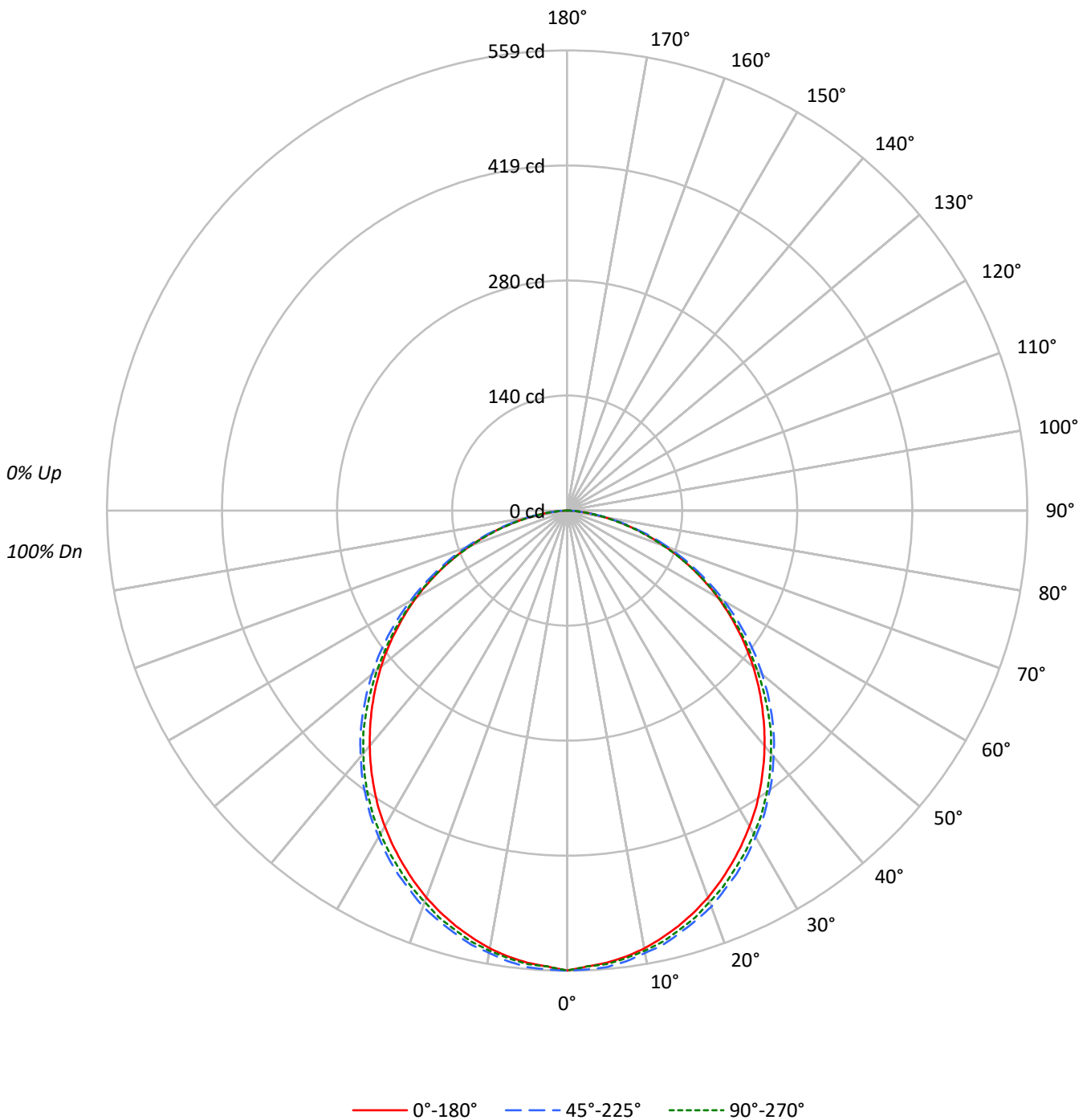
Lumens per Lamp: N/A
Luminaire Lumens: 1468.8 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P489935

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1HI-20-120-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P489935

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1HI-20-120-EDD

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°	3007	3007	3007
5°	2979	3007	2988
10°	2952	2982	2967
15°	2911	2958	2937
20°	2865	2933	2897
25°	2809	2891	2858
30°	2752	2846	2820
35°	2690	2797	2771
40°	2621	2741	2706
45°	2547	2675	2625
50°	2471	2590	2522
55°	2381	2492	2416
60°	2280	2373	2300
65°	2148	2230	2150
70°	1976	2057	1954
75°	1740	1820	1713
80°	1413	1475	1398
85°	982	1050	1025



TEST NUMBER: P489935

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1HI-20-120-EDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	3.6
10°-20°	149.1	10.2
20°-30°	222.4	15.1
30°-40°	263.5	17.9
40°-50°	266.6	18.2
50°-60°	232.9	15.9
60°-70°	170.2	11.6
70°-80°	90.5	6.2
80°-90°	20.9	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°	424.1	28.9
0°-40°	687.6	46.8
0°-60°	1187.2	80.8
0°-90°	1468.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	551	552	557	558	553	52
15°	522	526	531	534	527	147
25°	473	479	487	489	481	218
35°	410	416	426	429	422	256
45°	335	341	352	352	345	258
55°	254	259	266	262	258	227
65°	169	172	175	172	169	167
75°	84	86	88	84	82	89
85°	16	16	17	17	17	20
90°	0	0	0	0	0	



TEST NUMBER: P489935

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1HI-20-120-EDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	558.7	558.7	558.7	558.7	558.7
2.5°	554.3	556.1	558.0	558.8	554.3
5°	551.4	552.5	556.6	557.9	553.1
7.5°	546.6	548.2	552.2	552.8	548.3
10°	540.1	542.9	545.6	548.5	543.0
12.5°	531.8	535.6	540.1	540.6	536.4
15°	522.4	525.9	530.9	534.1	527.1
17.5°	511.9	515.3	521.7	522.3	518.1
20°	500.2	504.4	512.1	513.5	505.9
22.5°	487.0	492.6	499.0	500.3	494.8
25°	473.1	478.9	486.8	488.6	481.2
27.5°	458.5	464.1	473.0	474.3	468.0
30°	442.9	448.1	457.9	460.1	453.7
32.5°	427.1	432.3	443.1	444.9	438.8
35°	409.5	415.9	425.7	428.7	421.8
37.5°	391.6	397.8	409.0	411.6	404.2
40°	373.0	379.2	390.2	392.4	385.2
42.5°	354.0	360.2	371.9	372.3	366.4
45°	334.6	340.6	351.5	351.8	344.9
47.5°	315.0	321.0	330.7	329.6	323.1
50°	295.1	300.8	309.3	307.1	301.2
52.5°	274.5	280.0	288.1	284.5	278.9
55°	253.7	258.9	265.6	261.8	257.5
57.5°	232.8	238.0	243.2	239.3	235.6
60°	211.8	216.3	220.5	216.6	213.7
62.5°	190.3	194.2	197.9	194.1	191.4
65°	168.7	172.1	175.1	171.7	168.8
67.5°	147.1	150.1	152.9	149.2	146.3
70°	125.6	128.1	130.7	127.0	124.2
72.5°	104.4	106.6	108.8	105.2	102.9
75°	83.7	85.6	87.5	84.3	82.4
77.5°	64.0	65.6	66.9	64.8	63.0
80°	45.6	46.9	47.6	46.8	45.1
82.5°	29.3	30.2	30.6	30.6	29.5
85°	15.9	16.2	17.0	17.2	16.6
87.5°	6.2	6.6	6.8	7.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)