

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: P490082

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-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: P490082
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-LD4-1HI-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

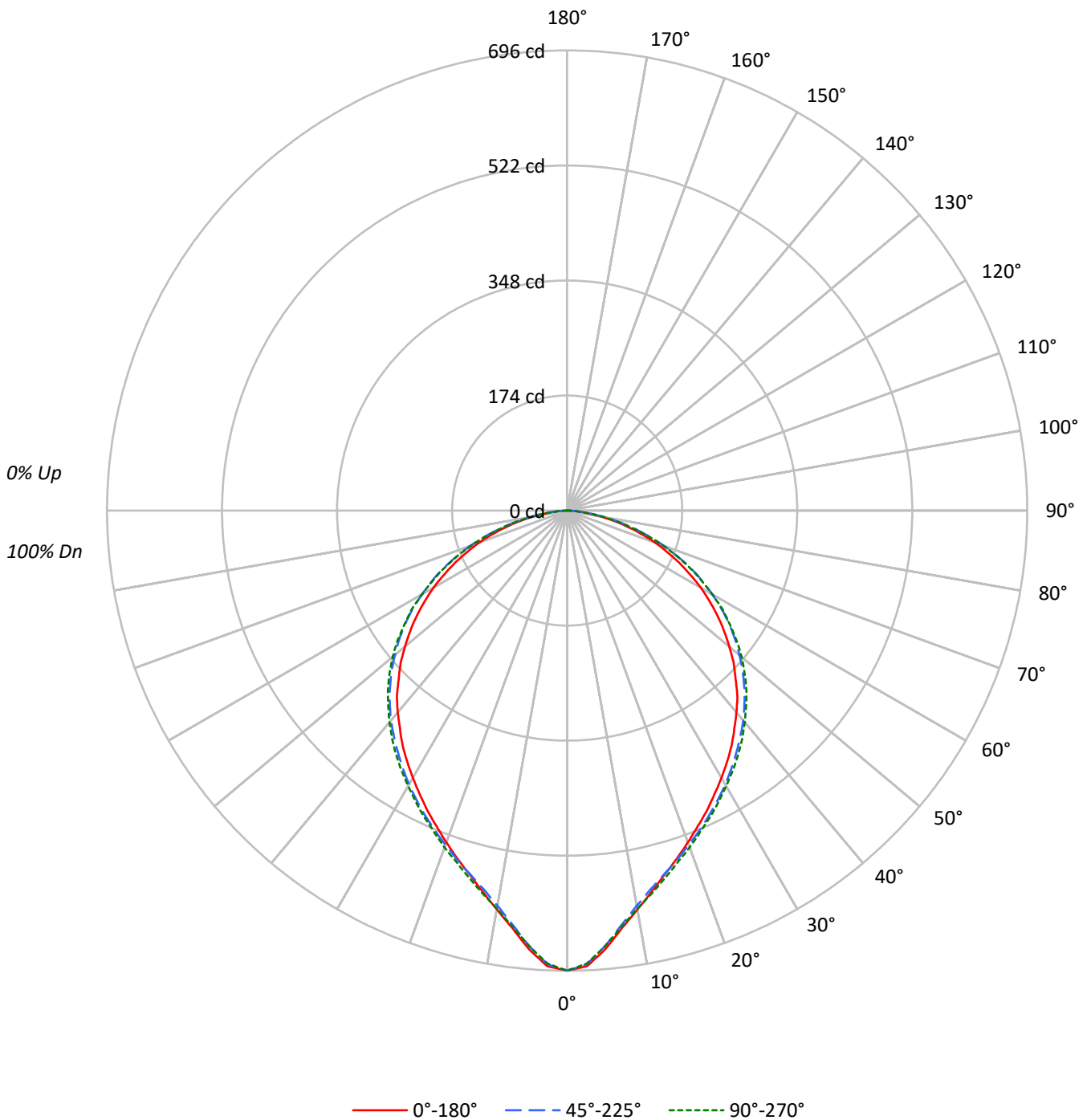
Lumens per Lamp: N/A
Luminaire Lumens: 1616.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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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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°	3744	3744	3744
5°	3595	3570	3570
10°	3346	3316	3341
15°	3175	3169	3200
20°	3058	3081	3104
25°	2971	3020	3037
30°	2900	2971	2989
35°	2849	2933	2962
40°	2799	2913	2937
45°	2742	2885	2919
50°	2681	2848	2886
55°	2607	2807	2819
60°	2513	2730	2724
65°	2381	2626	2608
70°	2223	2448	2419
75°	1963	2169	2148
80°	1596	1767	1680
85°	1105	1124	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	3.8
10°-20°	161.0	10.0
20°-30°	234.2	14.5
30°-40°	278.6	17.2
40°-50°	289.3	17.9
50°-60°	262.1	16.2
60°-70°	197.8	12.2
70°-80°	107.8	6.7
80°-90°	23.7	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°	456.7	28.3
0°-40°	735.3	45.5
0°-60°	1286.8	79.6
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	696	696	696	696	696	
5°	666	664	661	660	661	62
15°	570	568	569	573	574	161
25°	500	504	508	513	511	231
35°	434	439	446	453	451	271
45°	360	367	379	383	384	278
55°	278	284	299	301	300	248
65°	187	192	206	206	205	185
75°	94	98	104	105	103	101
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.7	695.7	695.7	695.7	695.7
2.5°	689.6	688.9	686.7	685.8	685.6
5°	665.5	663.9	660.8	660.4	660.8
7.5°	636.6	634.9	631.7	633.0	634.5
10°	612.3	607.9	606.7	608.4	611.4
12.5°	590.5	587.1	586.0	590.5	592.6
15°	569.8	568.5	568.8	572.6	574.4
17.5°	551.9	551.1	553.3	556.3	557.2
20°	534.0	535.8	537.9	541.0	542.0
22.5°	516.5	519.8	523.3	527.4	526.0
25°	500.3	504.5	508.5	512.7	511.4
27.5°	483.1	488.0	493.5	498.1	496.3
30°	466.6	472.7	478.1	483.6	481.0
32.5°	450.3	456.0	462.4	469.2	466.2
35°	433.7	438.9	446.4	453.2	450.9
37.5°	415.5	421.9	430.4	436.3	434.8
40°	398.4	404.4	414.6	418.4	418.1
42.5°	381.2	386.1	396.9	401.2	400.5
45°	360.2	366.6	379.0	383.2	383.5
47.5°	341.6	347.0	360.2	363.5	364.2
50°	320.2	327.0	340.2	344.2	344.7
52.5°	299.2	306.5	320.0	322.8	323.3
55°	277.8	284.4	299.2	301.3	300.4
57.5°	255.4	263.4	276.9	278.0	278.8
60°	233.5	240.4	253.6	255.0	253.1
62.5°	209.7	216.8	230.3	230.7	229.1
65°	187.0	192.4	206.2	205.8	204.8
67.5°	163.4	170.0	180.1	180.4	179.6
70°	141.3	145.8	155.6	155.8	153.7
72.5°	117.5	122.4	130.2	129.2	128.6
75°	94.4	98.2	104.3	105.0	103.3
77.5°	73.2	76.0	80.5	80.0	78.1
80°	51.5	53.7	57.0	56.3	54.2
82.5°	32.8	34.3	36.3	35.5	34.6
85°	17.9	18.1	18.2	18.1	17.6
87.5°	6.6	6.8	6.8	6.6	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)