

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: P490080

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-27-120-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: P490080
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

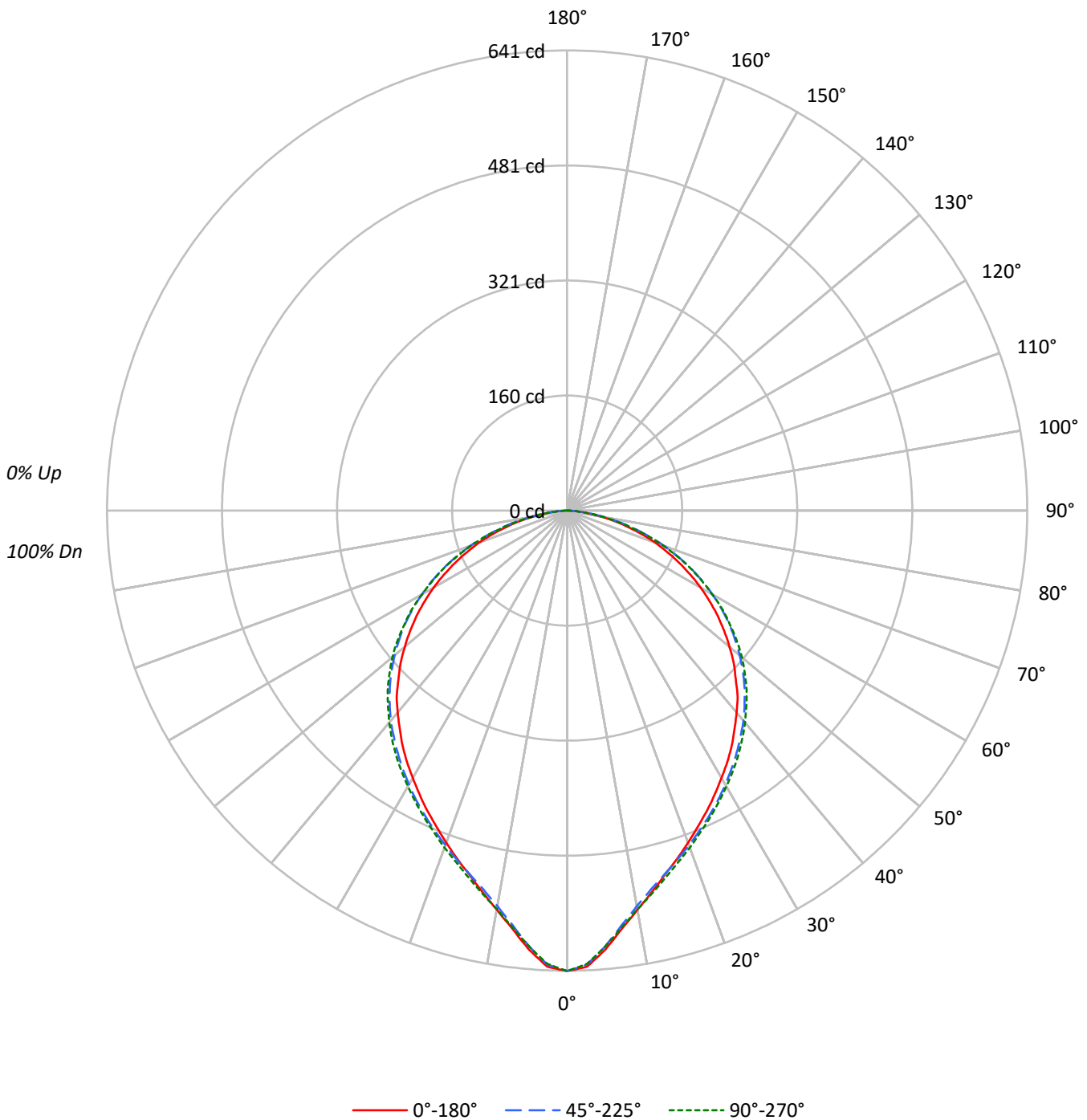
Lumens per Lamp: N/A
Luminaire Lumens: 1489.8 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): NR
Input Current (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

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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°	3452	3452	3452
5°	3314	3291	3291
10°	3085	3057	3080
15°	2927	2922	2950
20°	2820	2840	2862
25°	2739	2784	2800
30°	2673	2739	2756
35°	2627	2704	2731
40°	2581	2685	2708
45°	2528	2659	2691
50°	2472	2626	2661
55°	2403	2588	2598
60°	2316	2517	2511
65°	2195	2421	2404
70°	2050	2257	2230
75°	1809	2000	1980
80°	1469	1630	1550
85°	1019	1037	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.8
10°-20°	148.4	10.0
20°-30°	215.9	14.5
30°-40°	256.9	17.2
40°-50°	266.7	17.9
50°-60°	241.6	16.2
60°-70°	182.3	12.2
70°-80°	99.4	6.7
80°-90°	21.8	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°	421.0	28.3
0°-40°	677.9	45.5
0°-60°	1186.3	79.6
0°-90°	1489.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	614	612	609	609	609	57
15°	525	524	524	528	530	148
25°	461	465	469	473	472	213
35°	400	405	412	418	416	250
45°	332	338	349	353	354	257
55°	256	262	276	278	277	229
65°	172	177	190	190	189	170
75°	87	91	96	97	95	93
85°	16	17	17	17	16	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	641.4	641.4	641.4	641.4	641.4
2.5°	635.8	635.1	633.0	632.2	632.1
5°	613.5	612.1	609.2	608.9	609.2
7.5°	586.9	585.3	582.4	583.5	585.0
10°	564.5	560.4	559.3	560.9	563.6
12.5°	544.4	541.2	540.2	544.4	546.3
15°	525.3	524.1	524.4	527.9	529.5
17.5°	508.8	508.0	510.1	512.8	513.7
20°	492.3	493.9	495.9	498.8	499.7
22.5°	476.1	479.2	482.4	486.2	485.0
25°	461.2	465.1	468.8	472.6	471.5
27.5°	445.4	449.9	455.0	459.2	457.6
30°	430.1	435.8	440.7	445.9	443.5
32.5°	415.1	420.4	426.3	432.6	429.8
35°	399.9	404.7	411.6	417.8	415.7
37.5°	383.0	389.0	396.8	402.3	400.8
40°	367.3	372.8	382.2	385.8	385.4
42.5°	351.5	356.0	365.9	369.9	369.3
45°	332.1	338.0	349.4	353.2	353.5
47.5°	314.9	319.9	332.1	335.1	335.8
50°	295.2	301.5	313.6	317.3	317.8
52.5°	275.8	282.5	295.0	297.6	298.1
55°	256.1	262.2	275.8	277.7	276.9
57.5°	235.4	242.8	255.3	256.3	257.1
60°	215.2	221.6	233.8	235.1	233.3
62.5°	193.3	199.8	212.4	212.7	211.2
65°	172.4	177.4	190.1	189.8	188.8
67.5°	150.6	156.7	166.0	166.3	165.6
70°	130.3	134.5	143.4	143.6	141.7
72.5°	108.3	112.8	120.0	119.1	118.6
75°	87.0	90.6	96.2	96.8	95.2
77.5°	67.5	70.0	74.2	73.7	72.0
80°	47.4	49.5	52.6	51.9	50.0
82.5°	30.3	31.6	33.5	32.7	31.9
85°	16.5	16.7	16.8	16.7	16.2
87.5°	6.1	6.3	6.3	6.1	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)