

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: P490083

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-30-120-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: P490083
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
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

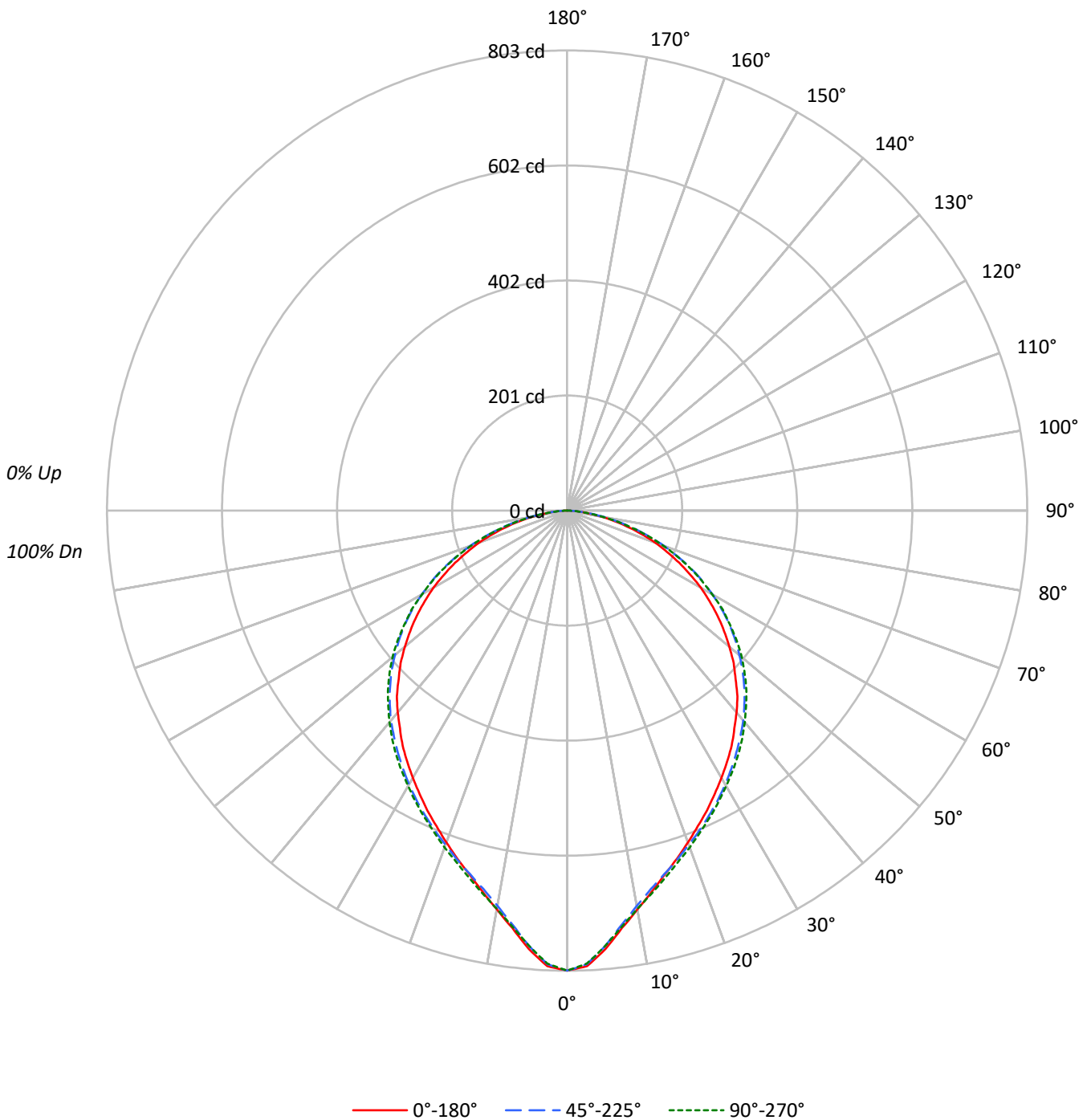
Lumens per Lamp: N/A
Luminaire Lumens: 1864.6 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59					59			
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44					44			
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4320	4320	4320
5°	4148	4119	4119
10°	3861	3825	3856
15°	3663	3657	3692
20°	3529	3554	3582
25°	3428	3484	3504
30°	3346	3428	3449
35°	3288	3384	3418
40°	3230	3361	3389
45°	3163	3328	3368
50°	3094	3286	3331
55°	3007	3239	3252
60°	2900	3150	3144
65°	2748	3030	3009
70°	2567	2825	2790
75°	2264	2504	2477
80°	1841	2039	1940
85°	1278	1303	1254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	3.8
10°-20°	185.8	10.0
20°-30°	270.2	14.5
30°-40°	321.5	17.2
40°-50°	333.8	17.9
50°-60°	302.4	16.2
60°-70°	228.2	12.2
70°-80°	124.4	6.7
80°-90°	27.3	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°	526.9	28.3
0°-40°	848.4	45.5
0°-60°	1484.7	79.6
0°-90°	1864.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	768	766	762	762	762	71
15°	658	656	656	661	663	186
25°	577	582	587	592	590	266
35°	500	506	515	523	520	313
45°	416	423	437	442	442	321
55°	320	328	345	348	347	286
65°	216	222	238	238	236	213
75°	109	113	120	121	119	116
85°	21	21	21	21	20	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	802.7	802.7	802.7	802.7	802.7
2.5°	795.7	794.9	792.3	791.3	791.1
5°	767.8	766.0	762.4	762.0	762.4
7.5°	734.5	732.5	728.9	730.3	732.1
10°	706.5	701.4	700.0	702.0	705.5
12.5°	681.4	677.4	676.2	681.4	683.8
15°	657.5	655.9	656.3	660.7	662.7
17.5°	636.9	635.9	638.5	641.9	642.9
20°	616.2	618.2	620.6	624.2	625.4
22.5°	595.9	599.7	603.8	608.6	607.0
25°	577.3	582.1	586.7	591.5	590.1
27.5°	557.4	563.0	569.5	574.7	572.7
30°	538.4	545.4	551.6	558.0	555.0
32.5°	519.5	526.1	533.6	541.4	538.0
35°	500.5	506.5	515.1	522.9	520.3
37.5°	479.4	486.8	496.6	503.5	501.7
40°	459.7	466.6	478.4	482.8	482.4
42.5°	439.9	445.5	457.9	462.9	462.1
45°	415.6	423.0	437.3	442.1	442.5
47.5°	394.1	400.4	415.6	419.4	420.2
50°	369.5	377.3	392.5	397.2	397.8
52.5°	345.2	353.6	369.3	372.5	373.1
55°	320.5	328.1	345.2	347.6	346.6
57.5°	294.7	303.9	319.5	320.7	321.7
60°	269.4	277.4	292.6	294.3	292.1
62.5°	241.9	250.1	265.8	266.2	264.4
65°	215.8	222.0	237.9	237.5	236.3
67.5°	188.5	196.2	207.8	208.2	207.2
70°	163.1	168.3	179.5	179.7	177.3
72.5°	135.6	141.2	150.2	149.0	148.4
75°	108.9	113.3	120.4	121.2	119.1
77.5°	84.4	87.7	92.9	92.3	90.1
80°	59.4	62.0	65.8	65.0	62.6
82.5°	37.9	39.5	41.9	40.9	39.9
85°	20.7	20.9	21.1	20.9	20.3
87.5°	7.6	7.8	7.8	7.6	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)