

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: P490081

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-27-120-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: P490081
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
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

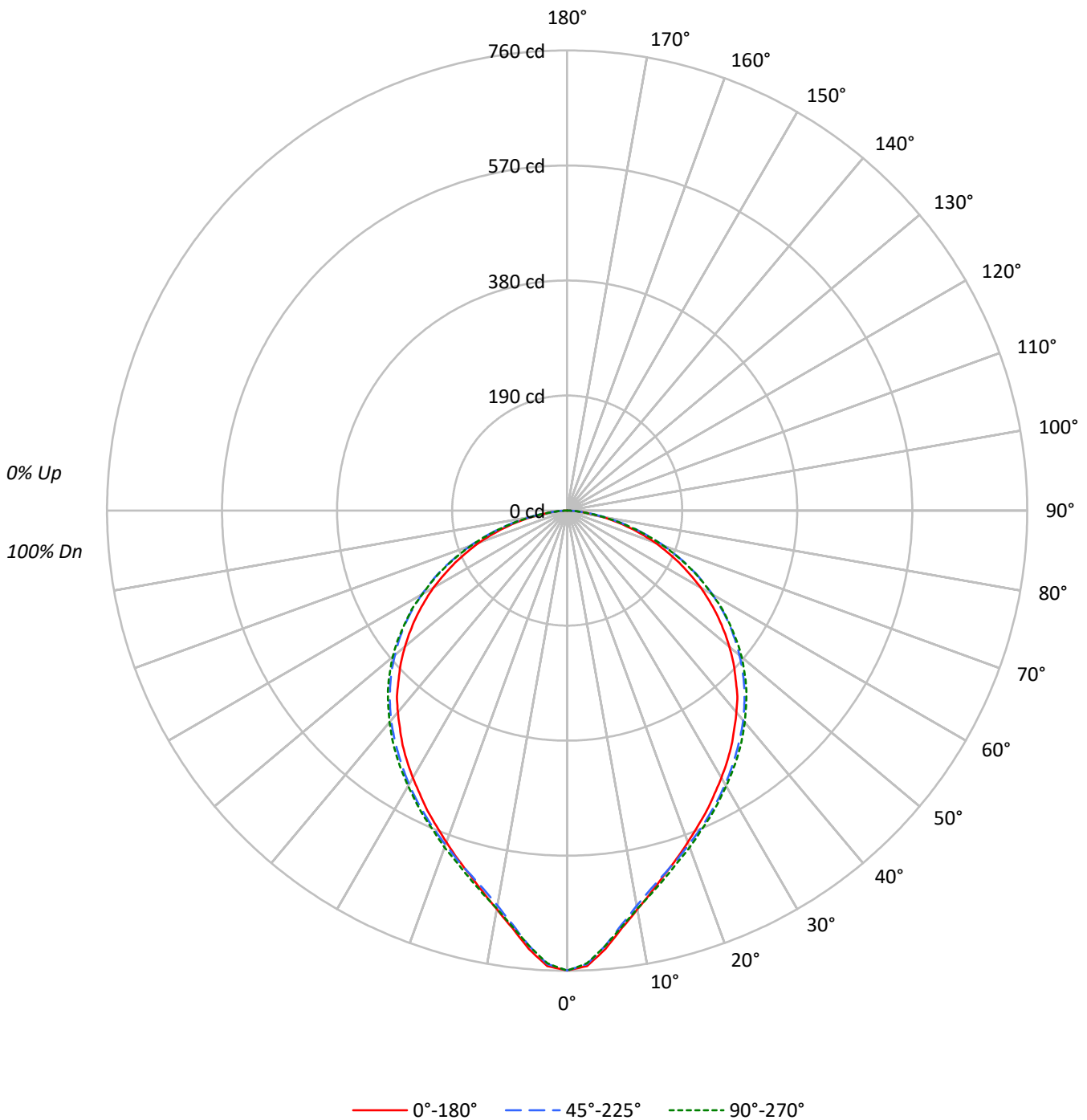
Lumens per Lamp: N/A
Luminaire Lumens: 1764.3 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	4088	4088	4088
5°	3925	3897	3897
10°	3653	3620	3648
15°	3466	3460	3494
20°	3339	3363	3389
25°	3244	3297	3316
30°	3166	3243	3264
35°	3111	3202	3234
40°	3056	3181	3207
45°	2993	3149	3187
50°	2927	3110	3152
55°	2846	3065	3078
60°	2744	2981	2974
65°	2600	2867	2848
70°	2428	2674	2640
75°	2144	2368	2344
80°	1742	1931	1835
85°	1210	1229	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.8
10°-20°	175.8	10.0
20°-30°	255.6	14.5
30°-40°	304.2	17.2
40°-50°	315.9	17.9
50°-60°	286.2	16.2
60°-70°	215.9	12.2
70°-80°	117.7	6.7
80°-90°	25.9	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°	498.6	28.3
0°-40°	802.8	45.5
0°-60°	1404.8	79.6
0°-90°	1764.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	726	725	721	721	721	67
15°	622	621	621	625	627	176
25°	546	551	555	560	558	252
35°	474	479	487	495	492	296
45°	393	400	414	418	419	304
55°	303	310	327	329	328	271
65°	204	210	225	225	224	202
75°	103	107	114	115	113	110
85°	20	20	20	20	19	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.6	759.6	759.6	759.6	759.6
2.5°	752.9	752.2	749.7	748.7	748.5
5°	726.5	724.8	721.4	721.0	721.4
7.5°	695.0	693.1	689.7	691.0	692.8
10°	668.5	663.7	662.4	664.3	667.5
12.5°	644.7	640.9	639.8	644.7	647.0
15°	622.1	620.6	621.0	625.2	627.1
17.5°	602.6	601.6	604.1	607.3	608.3
20°	583.0	585.0	587.2	590.6	591.8
22.5°	563.9	567.5	571.3	575.8	574.3
25°	546.2	550.8	555.2	559.7	558.4
27.5°	527.4	532.7	538.8	543.8	541.9
30°	509.4	516.0	521.9	528.0	525.2
32.5°	491.6	497.8	504.9	512.3	509.0
35°	473.5	479.2	487.4	494.8	492.3
37.5°	453.6	460.6	469.9	476.4	474.7
40°	435.0	441.5	452.7	456.8	456.5
42.5°	416.2	421.5	433.3	438.0	437.3
45°	393.3	400.3	413.7	418.3	418.7
47.5°	372.9	378.8	393.3	396.9	397.6
50°	349.6	357.0	371.4	375.8	376.4
52.5°	326.6	334.6	349.4	352.4	353.0
55°	303.3	310.5	326.6	328.9	328.0
57.5°	278.8	287.5	302.3	303.5	304.4
60°	254.9	262.5	276.9	278.4	276.3
62.5°	228.9	236.7	251.5	251.9	250.1
65°	204.2	210.1	225.1	224.7	223.6
67.5°	178.4	185.6	196.6	197.0	196.1
70°	154.3	159.2	169.9	170.1	167.8
72.5°	128.3	133.6	142.1	141.0	140.5
75°	103.1	107.2	113.9	114.6	112.7
77.5°	79.9	82.9	87.9	87.3	85.2
80°	56.2	58.6	62.3	61.5	59.2
82.5°	35.9	37.4	39.7	38.7	37.8
85°	19.6	19.7	19.9	19.7	19.2
87.5°	7.2	7.4	7.4	7.2	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)