

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: P489937

Luminaire Tested: **CLP-12-2-INS-A12125-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: P489937
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-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

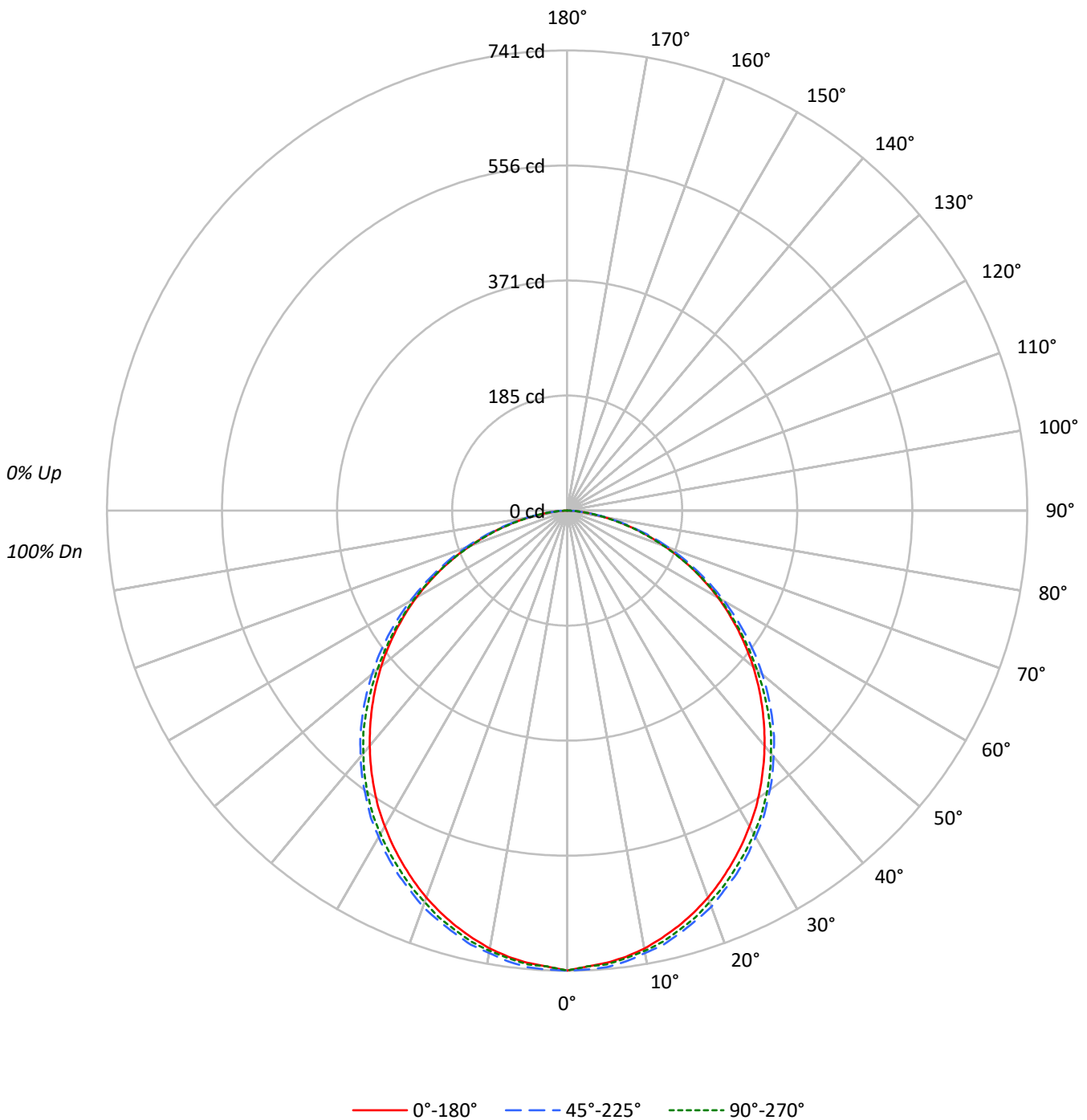
Lumens per Lamp: N/A
Luminaire Lumens: 1947.3 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

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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	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°	3986	3986	3986
5°	3949	3987	3962
10°	3913	3953	3934
15°	3859	3921	3894
20°	3798	3888	3842
25°	3725	3833	3789
30°	3649	3773	3738
35°	3567	3708	3674
40°	3474	3634	3588
45°	3377	3547	3480
50°	3275	3434	3344
55°	3156	3304	3202
60°	3021	3147	3050
65°	2848	2957	2850
70°	2620	2725	2592
75°	2308	2412	2273
80°	1875	1956	1853
85°	1303	1389	1359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	3.6
10°-20°	197.7	10.2
20°-30°	294.8	15.1
30°-40°	349.4	17.9
40°-50°	353.5	18.2
50°-60°	308.7	15.9
60°-70°	225.6	11.6
70°-80°	120.0	6.2
80°-90°	27.7	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°	562.3	28.9
0°-40°	911.6	46.8
0°-60°	1573.9	80.8
0°-90°	1947.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1947.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	731	732	738	740	733	69
15°	693	697	704	708	699	195
25°	627	635	645	648	638	289
35°	543	551	564	568	559	340
45°	444	452	466	466	457	342
55°	336	343	352	347	341	301
65°	224	228	232	228	224	221
75°	111	114	116	112	109	118
85°	21	22	22	23	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	740.7	740.7	740.7	740.7	740.7
2.5°	734.9	737.3	739.8	740.8	734.8
5°	731.0	732.4	737.9	739.6	733.4
7.5°	724.7	726.8	732.1	732.9	726.9
10°	716.1	719.8	723.3	727.2	719.8
12.5°	705.0	710.0	716.1	716.8	711.2
15°	692.6	697.2	703.8	708.0	698.9
17.5°	678.7	683.2	691.7	692.5	686.9
20°	663.2	668.8	678.9	680.7	670.8
22.5°	645.6	653.1	661.6	663.3	656.0
25°	627.2	634.9	645.4	647.8	638.0
27.5°	607.9	615.3	627.1	628.8	620.5
30°	587.2	594.1	607.1	610.0	601.5
32.5°	566.2	573.1	587.5	589.9	581.7
35°	542.9	551.4	564.4	568.4	559.2
37.5°	519.1	527.4	542.2	545.8	535.9
40°	494.5	502.7	517.3	520.2	510.7
42.5°	469.4	477.5	493.1	493.6	485.7
45°	443.7	451.5	466.0	466.4	457.2
47.5°	417.6	425.5	438.5	437.0	428.4
50°	391.2	398.7	410.1	407.2	399.4
52.5°	363.9	371.2	381.9	377.1	369.8
55°	336.4	343.2	352.1	347.0	341.3
57.5°	308.7	315.6	322.4	317.2	312.3
60°	280.7	286.8	292.4	287.2	283.4
62.5°	252.3	257.5	262.4	257.4	253.8
65°	223.6	228.2	232.2	227.6	223.8
67.5°	195.1	198.9	202.7	197.9	193.9
70°	166.5	169.9	173.2	168.3	164.7
72.5°	138.4	141.3	144.3	139.5	136.4
75°	111.0	113.5	116.0	111.7	109.3
77.5°	84.8	87.0	88.7	86.0	83.6
80°	60.5	62.1	63.1	62.0	59.8
82.5°	38.9	40.1	40.6	40.5	39.0
85°	21.1	21.5	22.5	22.8	22.0
87.5°	8.2	8.7	9.0	9.6	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)