

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: P490005

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-50-120-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: P490005
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-LD4-2STD-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

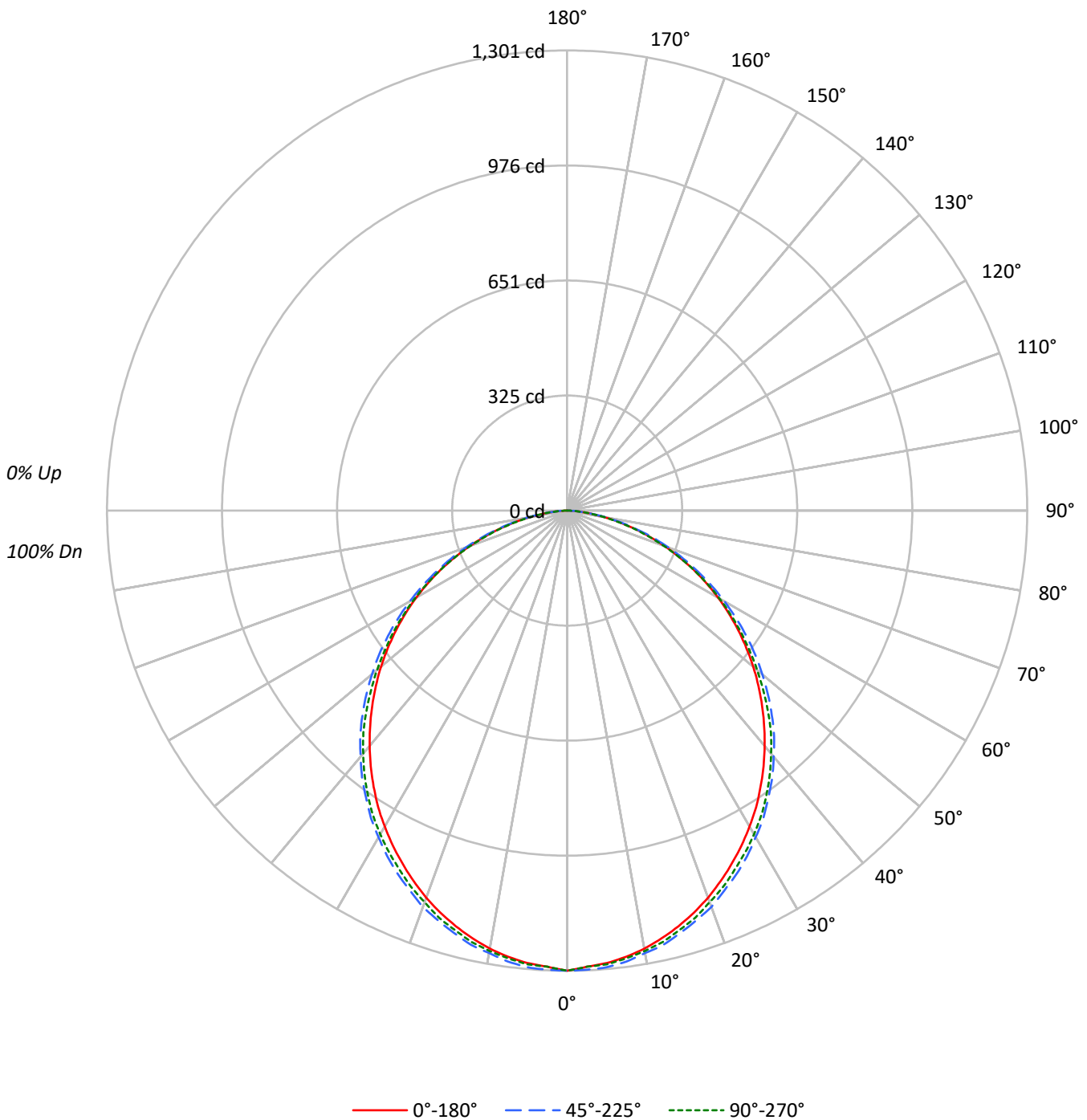
Lumens per Lamp: N/A
Luminaire Lumens: 3420.4 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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°	7002	7002	7002
5°	6937	7002	6959
10°	6874	6943	6910
15°	6779	6888	6839
20°	6672	6830	6748
25°	6542	6732	6654
30°	6410	6627	6566
35°	6265	6514	6453
40°	6102	6384	6303
45°	5931	6231	6113
50°	5753	6031	5874
55°	5545	5803	5625
60°	5308	5528	5357
65°	5002	5195	5006
70°	4603	4788	4552
75°	4053	4236	3990
80°	3295	3437	3257
85°	2291	2445	2384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.6
10°-20°	347.2	10.2
20°-30°	517.9	15.1
30°-40°	613.7	17.9
40°-50°	620.9	18.2
50°-60°	542.3	15.9
60°-70°	396.3	11.6
70°-80°	210.9	6.2
80°-90°	48.7	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°	987.6	28.9
0°-40°	1601.3	46.8
0°-60°	2764.5	80.8
0°-90°	3420.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3420.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1284	1286	1296	1299	1288	122
15°	1217	1225	1236	1244	1228	343
25°	1102	1115	1134	1138	1121	508
35°	954	968	991	998	982	596
45°	779	793	819	819	803	601
55°	591	603	618	610	600	528
65°	393	401	408	400	393	389
75°	195	199	204	196	192	207
85°	37	38	40	40	39	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.0	1301.0	1301.0	1301.0	1301.0
2.5°	1290.8	1295.0	1299.4	1301.3	1290.7
5°	1284.1	1286.5	1296.1	1299.1	1288.1
7.5°	1272.9	1276.6	1286.0	1287.3	1276.7
10°	1257.8	1264.3	1270.5	1277.3	1264.4
12.5°	1238.4	1247.2	1257.8	1259.0	1249.2
15°	1216.6	1224.7	1236.2	1243.7	1227.5
17.5°	1192.2	1200.0	1214.9	1216.3	1206.5
20°	1164.9	1174.7	1192.6	1195.7	1178.2
22.5°	1134.0	1147.2	1162.1	1165.0	1152.2
25°	1101.6	1115.2	1133.6	1137.8	1120.6
27.5°	1067.7	1080.7	1101.5	1104.5	1089.9
30°	1031.4	1043.6	1066.4	1071.4	1056.6
32.5°	994.5	1006.7	1031.9	1036.1	1021.8
35°	953.6	968.5	991.4	998.3	982.2
37.5°	911.8	926.3	952.4	958.6	941.3
40°	868.6	883.0	908.6	913.7	897.1
42.5°	824.4	838.8	866.2	867.0	853.1
45°	779.3	793.1	818.6	819.3	803.1
47.5°	733.5	747.4	770.2	767.6	752.4
50°	687.1	700.4	720.3	715.2	701.5
52.5°	639.1	652.0	670.8	662.4	649.6
55°	590.9	602.8	618.5	609.6	599.5
57.5°	542.2	554.3	566.3	557.2	548.6
60°	493.1	503.7	513.6	504.4	497.7
62.5°	443.2	452.3	460.9	452.1	445.8
65°	392.8	400.8	407.9	399.7	393.1
67.5°	342.7	349.4	356.0	347.5	340.6
70°	292.5	298.3	304.3	295.6	289.3
72.5°	243.0	248.2	253.5	245.1	239.5
75°	194.9	199.4	203.7	196.3	191.9
77.5°	149.0	152.8	155.7	151.0	146.8
80°	106.3	109.1	110.9	109.0	105.1
82.5°	68.3	70.3	71.3	71.2	68.6
85°	37.1	37.8	39.6	40.0	38.6
87.5°	14.4	15.3	15.7	16.9	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)