

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: P490125

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-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: P490125
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-LD4-2HI-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

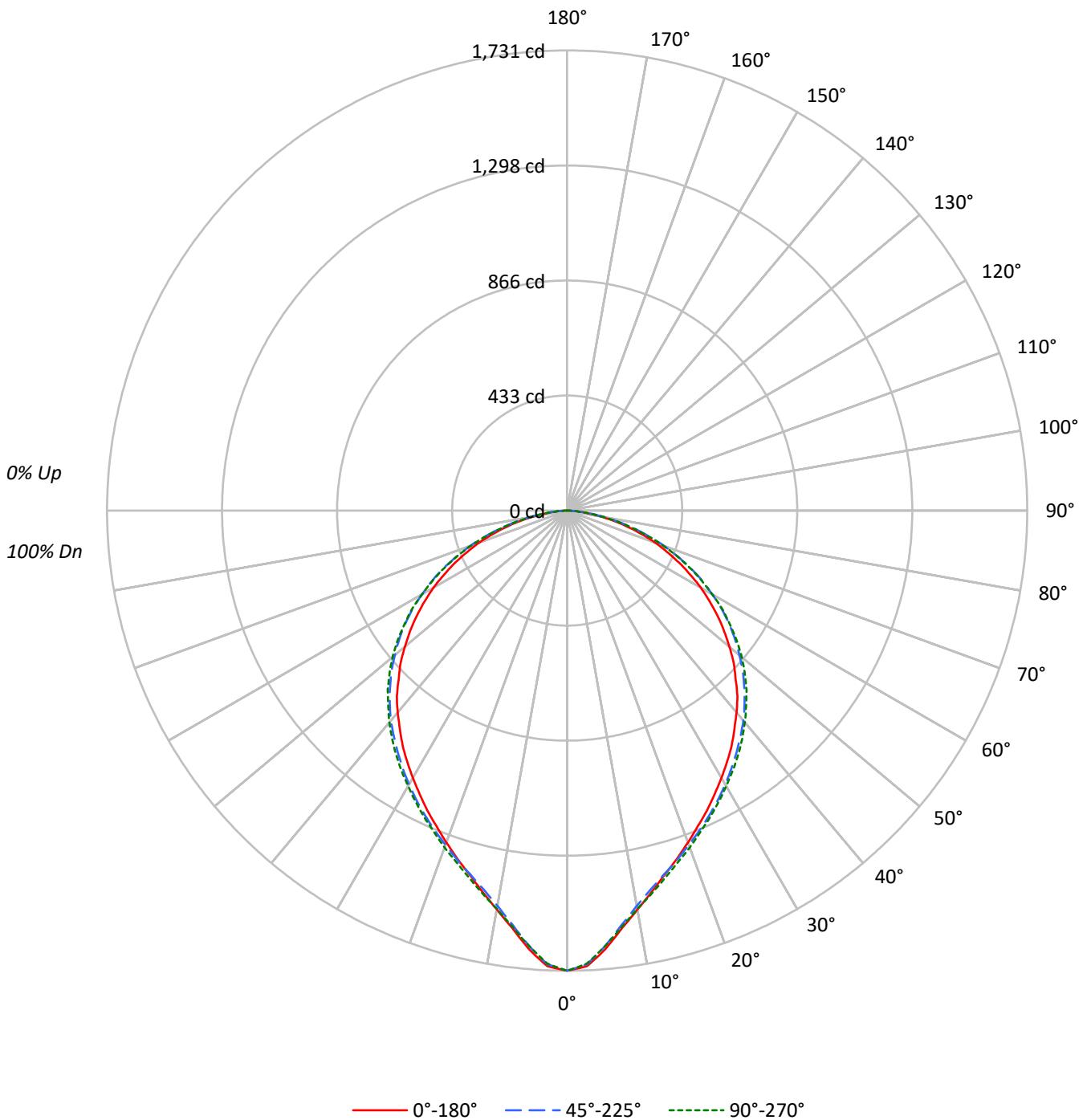
Lumens per Lamp: N/A
Luminaire Lumens: 4020.3 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	9315	9315	9315
5°	8944	8881	8881
10°	8324	8248	8312
15°	7899	7885	7962
20°	7609	7664	7723
25°	7391	7512	7556
30°	7214	7391	7437
35°	7089	7297	7371
40°	6965	7247	7307
45°	6820	7176	7262
50°	6670	7087	7181
55°	6485	6984	7012
60°	6252	6792	6778
65°	5926	6532	6488
70°	5533	6091	6016
75°	4882	5396	5342
80°	3967	4398	4181
85°	2754	2803	2699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	3.8
10°-20°	400.6	10.0
20°-30°	582.6	14.5
30°-40°	693.2	17.2
40°-50°	719.8	17.9
50°-60°	652.1	16.2
60°-70°	492.1	12.2
70°-80°	268.1	6.7
80°-90°	58.9	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°	1136.1	28.3
0°-40°	1829.3	45.5
0°-60°	3201.2	79.6
0°-90°	4020.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4020.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1731	1731	1731	1731	1731	
5°	1656	1652	1644	1643	1644	154
15°	1418	1414	1415	1425	1429	400
25°	1245	1255	1265	1275	1272	574
35°	1079	1092	1111	1128	1122	675
45°	896	912	943	953	954	693
55°	691	708	744	750	747	617
65°	465	479	513	512	510	460
75°	235	244	260	261	257	250
85°	45	45	45	45	44	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1730.8	1730.8	1730.8	1730.8	1730.8
2.5°	1715.7	1713.9	1708.3	1706.1	1705.7
5°	1655.6	1651.7	1643.9	1643.0	1643.9
7.5°	1583.8	1579.4	1571.7	1574.7	1578.6
10°	1523.2	1512.4	1509.3	1513.7	1521.0
12.5°	1469.1	1460.5	1457.9	1469.1	1474.3
15°	1417.7	1414.2	1415.1	1424.6	1428.9
17.5°	1373.1	1371.0	1376.6	1384.0	1386.1
20°	1328.6	1332.9	1338.1	1345.9	1348.5
22.5°	1284.9	1293.1	1301.8	1312.2	1308.7
25°	1244.7	1255.1	1265.0	1275.4	1272.4
27.5°	1201.9	1214.0	1227.8	1239.1	1234.7
30°	1160.8	1175.9	1189.3	1203.2	1196.7
32.5°	1120.1	1134.4	1150.4	1167.3	1159.9
35°	1079.0	1092.0	1110.6	1127.5	1121.9
37.5°	1033.6	1049.6	1070.8	1085.5	1081.7
40°	991.3	1006.0	1031.5	1041.0	1040.1
42.5°	948.4	960.6	987.4	998.2	996.4
45°	896.1	912.1	942.8	953.2	954.1
47.5°	849.8	863.3	896.1	904.3	906.0
50°	796.6	813.5	846.4	856.3	857.6
52.5°	744.3	762.4	796.2	803.1	804.4
55°	691.1	707.5	744.3	749.5	747.3
57.5°	635.3	655.2	689.0	691.5	693.7
60°	580.8	598.1	631.0	634.4	629.7
62.5°	521.6	539.3	573.0	573.9	570.0
65°	465.3	478.8	512.9	512.1	509.5
67.5°	406.5	422.9	448.1	448.9	446.8
70°	351.6	362.8	387.1	387.5	382.3
72.5°	292.4	304.5	323.9	321.3	320.1
75°	234.8	244.4	259.5	261.2	256.9
77.5°	182.1	189.0	200.2	199.0	194.2
80°	128.0	133.6	141.9	140.1	134.9
82.5°	81.7	85.2	90.4	88.2	86.1
85°	44.6	45.0	45.4	45.0	43.7
87.5°	16.4	16.9	16.9	16.4	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)