

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: P489975

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-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: P489975
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-LD4-2HI-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

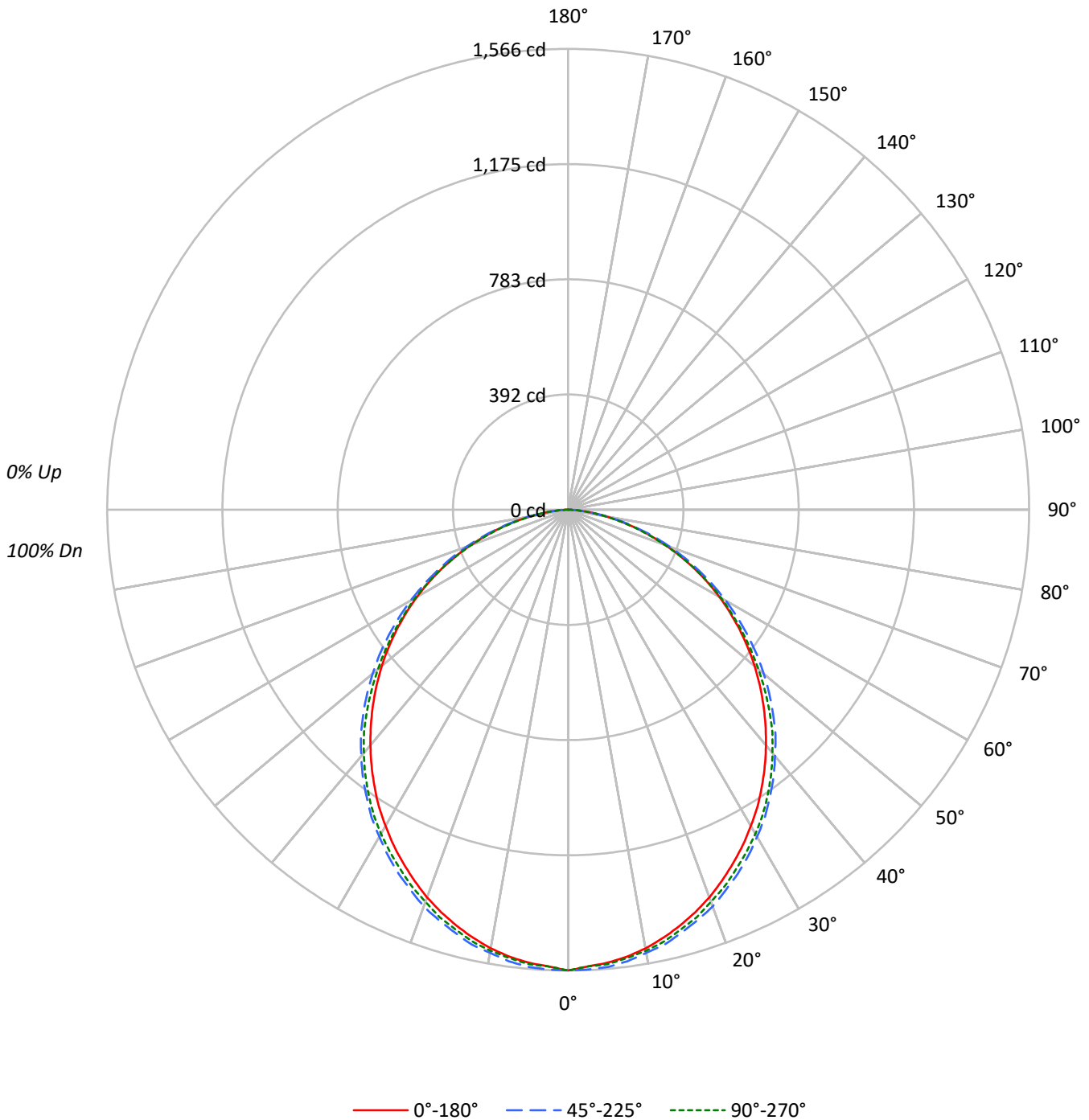
Lumens per Lamp: N/A
Luminaire Lumens: 4115.9 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
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°	8425	8425	8425
5°	8348	8426	8374
10°	8271	8355	8315
15°	8157	8289	8230
20°	8029	8219	8120
25°	7872	8100	8007
30°	7713	7975	7902
35°	7539	7838	7765
40°	7343	7681	7584
45°	7137	7497	7355
50°	6923	7258	7068
55°	6671	6984	6769
60°	6387	6652	6447
65°	6020	6250	6024
70°	5539	5762	5478
75°	4878	5099	4803
80°	3964	4135	3918
85°	2760	2939	2871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.6
10°-20°	417.8	10.2
20°-30°	623.2	15.1
30°-40°	738.4	17.9
40°-50°	747.2	18.2
50°-60°	652.6	15.9
60°-70°	476.9	11.6
70°-80°	253.7	6.2
80°-90°	58.6	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°	1188.4	28.9
0°-40°	1926.9	46.8
0°-60°	3326.6	80.8
0°-90°	4115.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4115.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1545	1548	1560	1563	1550	147
15°	1464	1474	1488	1496	1477	413
25°	1326	1342	1364	1369	1348	611
35°	1148	1165	1193	1201	1182	718
45°	938	954	985	986	966	723
55°	711	725	744	734	721	636
65°	473	482	491	481	473	468
75°	235	240	245	236	231	249
85°	45	46	48	48	46	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1565.5	1565.5	1565.5	1565.5	1565.5
2.5°	1553.3	1558.4	1563.6	1565.9	1553.1
5°	1545.2	1548.1	1559.7	1563.3	1550.0
7.5°	1531.8	1536.2	1547.4	1549.1	1536.3
10°	1513.5	1521.3	1528.8	1537.0	1521.5
12.5°	1490.2	1500.8	1513.5	1515.0	1503.2
15°	1463.9	1473.7	1487.6	1496.5	1477.1
17.5°	1434.6	1444.0	1462.0	1463.6	1451.9
20°	1401.8	1413.5	1435.1	1438.8	1417.8
22.5°	1364.6	1380.4	1398.4	1401.9	1386.4
25°	1325.6	1341.9	1364.1	1369.2	1348.4
27.5°	1284.8	1300.5	1325.4	1329.0	1311.6
30°	1241.1	1255.8	1283.2	1289.2	1271.5
32.5°	1196.7	1211.4	1241.8	1246.8	1229.5
35°	1147.5	1165.4	1193.0	1201.3	1181.9
37.5°	1097.2	1114.7	1146.0	1153.5	1132.6
40°	1045.2	1062.5	1093.3	1099.5	1079.5
42.5°	992.0	1009.3	1042.3	1043.3	1026.6
45°	937.7	954.4	985.0	985.8	966.4
47.5°	882.6	899.4	926.8	923.7	905.4
50°	826.8	842.8	866.8	860.6	844.1
52.5°	769.1	784.6	807.2	797.1	781.6
55°	711.0	725.4	744.3	733.5	721.4
57.5°	652.4	667.0	681.5	670.6	660.1
60°	593.4	606.1	618.0	606.9	598.9
62.5°	533.4	544.3	554.6	544.0	536.5
65°	472.7	482.3	490.8	481.0	473.0
67.5°	412.3	420.5	428.3	418.2	409.9
70°	352.0	359.0	366.2	355.7	348.1
72.5°	292.5	298.7	305.0	294.9	288.2
75°	234.6	239.9	245.2	236.2	231.0
77.5°	179.3	183.8	187.4	181.7	176.6
80°	127.9	131.3	133.4	131.1	126.4
82.5°	82.2	84.7	85.8	85.6	82.5
85°	44.7	45.5	47.6	48.1	46.5
87.5°	17.3	18.4	18.9	20.4	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)