

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: P489973

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-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: P489973
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-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

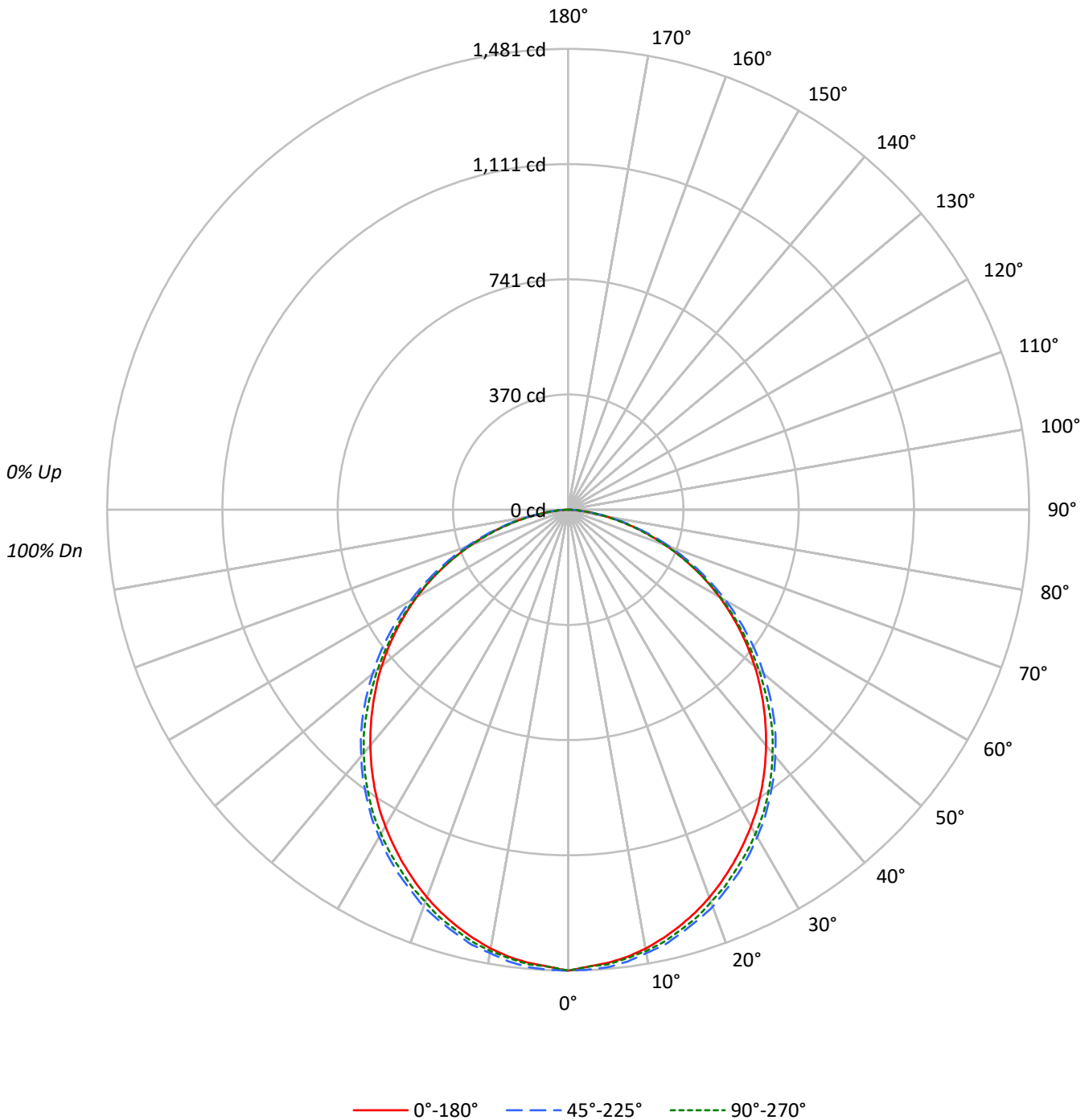
Lumens per Lamp: N/A
Luminaire Lumens: 3894.5 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	7972	7972	7972
5°	7898	7973	7924
10°	7826	7906	7868
15°	7718	7843	7788
20°	7597	7777	7683
25°	7448	7665	7577
30°	7298	7546	7477
35°	7134	7416	7347
40°	6948	7268	7176
45°	6753	7094	6960
50°	6550	6867	6687
55°	6313	6608	6405
60°	6044	6295	6100
65°	5696	5914	5700
70°	5242	5452	5183
75°	4614	4824	4544
80°	3750	3911	3707
85°	2612	2785	2717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	3.6
10°-20°	395.3	10.2
20°-30°	589.6	15.1
30°-40°	698.7	17.9
40°-50°	707.0	18.2
50°-60°	617.5	15.9
60°-70°	451.2	11.6
70°-80°	240.1	6.2
80°-90°	55.5	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°	1124.5	28.9
0°-40°	1823.2	46.8
0°-60°	3147.7	80.8
0°-90°	3894.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3894.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1481	1481	1481	1481	1481	
5°	1462	1465	1476	1479	1467	139
15°	1385	1394	1408	1416	1398	391
25°	1254	1270	1291	1296	1276	578
35°	1086	1103	1129	1137	1118	679
45°	887	903	932	933	914	685
55°	673	686	704	694	683	601
65°	447	456	464	455	448	443
75°	222	227	232	224	218	236
85°	42	43	45	46	44	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1481.3	1481.3	1481.3	1481.3	1481.3
2.5°	1469.8	1474.5	1479.5	1481.6	1469.6
5°	1462.0	1464.8	1475.8	1479.2	1466.7
7.5°	1449.4	1453.5	1464.2	1465.7	1453.7
10°	1432.1	1439.5	1446.6	1454.3	1439.7
12.5°	1410.0	1420.1	1432.1	1433.5	1422.4
15°	1385.2	1394.4	1407.6	1416.0	1397.7
17.5°	1357.4	1366.3	1383.3	1384.9	1373.8
20°	1326.4	1337.5	1357.9	1361.4	1341.5
22.5°	1291.2	1306.2	1323.1	1326.5	1311.9
25°	1254.3	1269.7	1290.7	1295.5	1275.9
27.5°	1215.7	1230.5	1254.1	1257.5	1241.0
30°	1174.4	1188.2	1214.2	1219.9	1203.1
32.5°	1132.4	1146.3	1175.0	1179.8	1163.4
35°	1085.8	1102.7	1128.8	1136.7	1118.3
37.5°	1038.2	1054.7	1084.4	1091.5	1071.7
40°	989.0	1005.4	1034.5	1040.4	1021.4
42.5°	938.7	955.0	986.2	987.1	971.4
45°	887.3	903.0	932.0	932.8	914.4
47.5°	835.1	851.0	876.9	874.0	856.7
50°	782.3	797.5	820.1	814.3	798.7
52.5°	727.7	742.4	763.8	754.2	739.6
55°	672.8	686.3	704.2	694.1	682.6
57.5°	617.3	631.1	644.8	634.5	624.6
60°	561.5	573.5	584.8	574.3	566.7
62.5°	504.7	515.0	524.7	514.7	507.6
65°	447.3	456.4	464.4	455.1	447.6
67.5°	390.2	397.9	405.3	395.7	387.8
70°	333.1	339.7	346.5	336.6	329.4
72.5°	276.7	282.6	288.6	279.0	272.7
75°	221.9	227.0	232.0	223.5	218.5
77.5°	169.6	173.9	177.3	171.9	167.1
80°	121.0	124.2	126.2	124.1	119.6
82.5°	77.8	80.1	81.2	81.0	78.1
85°	42.3	43.1	45.1	45.5	44.0
87.5°	16.4	17.4	17.9	19.3	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)