

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: P489981

Luminaire Tested: **CLP-12-2-INS-A12125-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: P489981
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-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

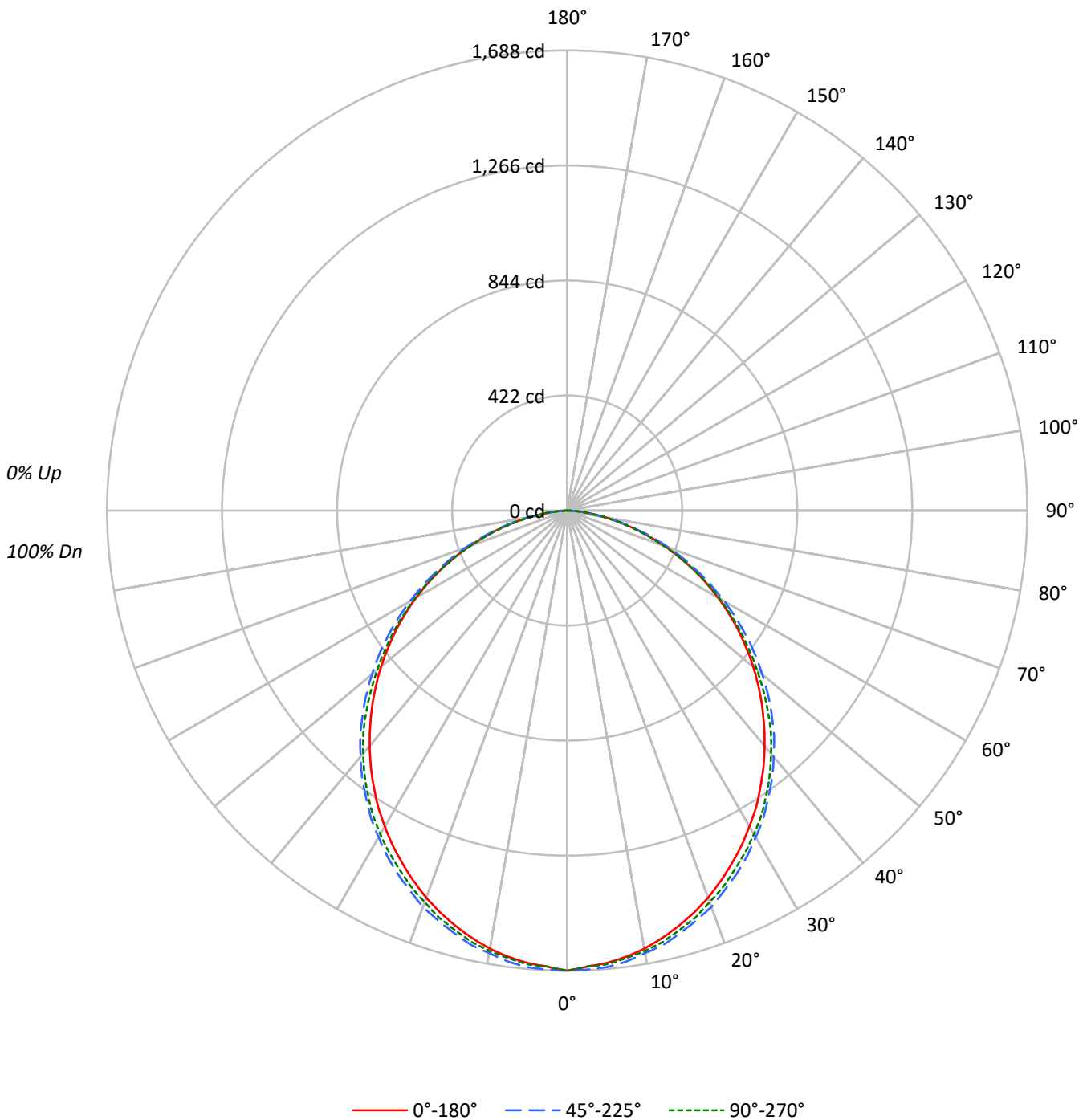
Lumens per Lamp: N/A
Luminaire Lumens: 4437.2 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P489981

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-50-120-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P489981

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-50-120-EDD

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°	9084	9084	9084
5°	9000	9084	9028
10°	8917	9007	8964
15°	8793	8936	8873
20°	8655	8861	8754
25°	8486	8733	8633
30°	8315	8597	8518
35°	8128	8450	8372
40°	7916	8281	8176
45°	7694	8082	7930
50°	7464	7824	7619
55°	7192	7529	7298
60°	6886	7172	6950
65°	6490	6738	6493
70°	5972	6212	5906
75°	5259	5496	5178
80°	4274	4457	4224
85°	2976	3168	3094



TEST NUMBER: P489981

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-50-120-EDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	3.6
10°-20°	450.4	10.2
20°-30°	671.8	15.1
30°-40°	796.1	17.9
40°-50°	805.5	18.2
50°-60°	703.5	15.9
60°-70°	514.1	11.6
70°-80°	273.5	6.2
80°-90°	63.2	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°	1281.2	28.9
0°-40°	2077.3	46.8
0°-60°	3586.4	80.8
0°-90°	4437.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4437.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1688	1688	1688	1688	1688	
5°	1666	1669	1681	1685	1671	158
15°	1578	1589	1604	1613	1592	445
25°	1429	1447	1471	1476	1454	658
35°	1237	1256	1286	1295	1274	774
45°	1011	1029	1062	1063	1042	780
55°	766	782	802	791	778	685
65°	510	520	529	519	510	504
75°	253	259	264	255	249	269
85°	48	49	51	52	50	61
90°	0	0	0	0	0	



TEST NUMBER: P489981

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-50-120-EDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1687.8	1687.8	1687.8	1687.8	1687.8
2.5°	1674.6	1680.0	1685.6	1688.1	1674.4
5°	1665.8	1668.9	1681.4	1685.3	1671.0
7.5°	1651.4	1656.1	1668.2	1670.0	1656.3
10°	1631.7	1640.1	1648.2	1657.0	1640.3
12.5°	1606.5	1617.9	1631.7	1633.2	1620.6
15°	1578.2	1588.8	1603.7	1613.4	1592.4
17.5°	1546.6	1556.7	1576.1	1577.9	1565.2
20°	1511.2	1523.9	1547.1	1551.1	1528.4
22.5°	1471.1	1488.2	1507.5	1511.4	1494.7
25°	1429.1	1446.7	1470.6	1476.0	1453.7
27.5°	1385.1	1402.0	1428.9	1432.8	1414.0
30°	1338.0	1353.8	1383.4	1389.9	1370.7
32.5°	1290.2	1306.0	1338.7	1344.2	1325.5
35°	1237.1	1256.4	1286.1	1295.1	1274.2
37.5°	1182.9	1201.7	1235.5	1243.6	1221.1
40°	1126.8	1145.4	1178.7	1185.4	1163.7
42.5°	1069.5	1088.1	1123.6	1124.7	1106.8
45°	1010.9	1028.9	1061.9	1062.8	1041.9
47.5°	951.5	969.6	999.1	995.8	976.1
50°	891.4	908.6	934.4	927.8	910.0
52.5°	829.1	845.8	870.3	859.4	842.6
55°	766.5	782.0	802.4	790.8	777.8
57.5°	703.4	719.0	734.7	722.9	711.6
60°	639.7	653.4	666.3	654.3	645.7
62.5°	575.0	586.8	597.9	586.4	578.4
65°	509.6	520.0	529.1	518.6	509.9
67.5°	444.5	453.3	461.8	450.9	441.9
70°	379.5	387.0	394.8	383.5	375.3
72.5°	315.3	322.0	328.8	317.9	310.7
75°	252.9	258.7	264.3	254.6	249.0
77.5°	193.3	198.2	202.0	195.9	190.4
80°	137.9	141.6	143.8	141.4	136.3
82.5°	88.6	91.3	92.5	92.3	89.0
85°	48.2	49.1	51.3	51.9	50.1
87.5°	18.6	19.9	20.4	22.0	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)