

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: P489979

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-40-120-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: P489979
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-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

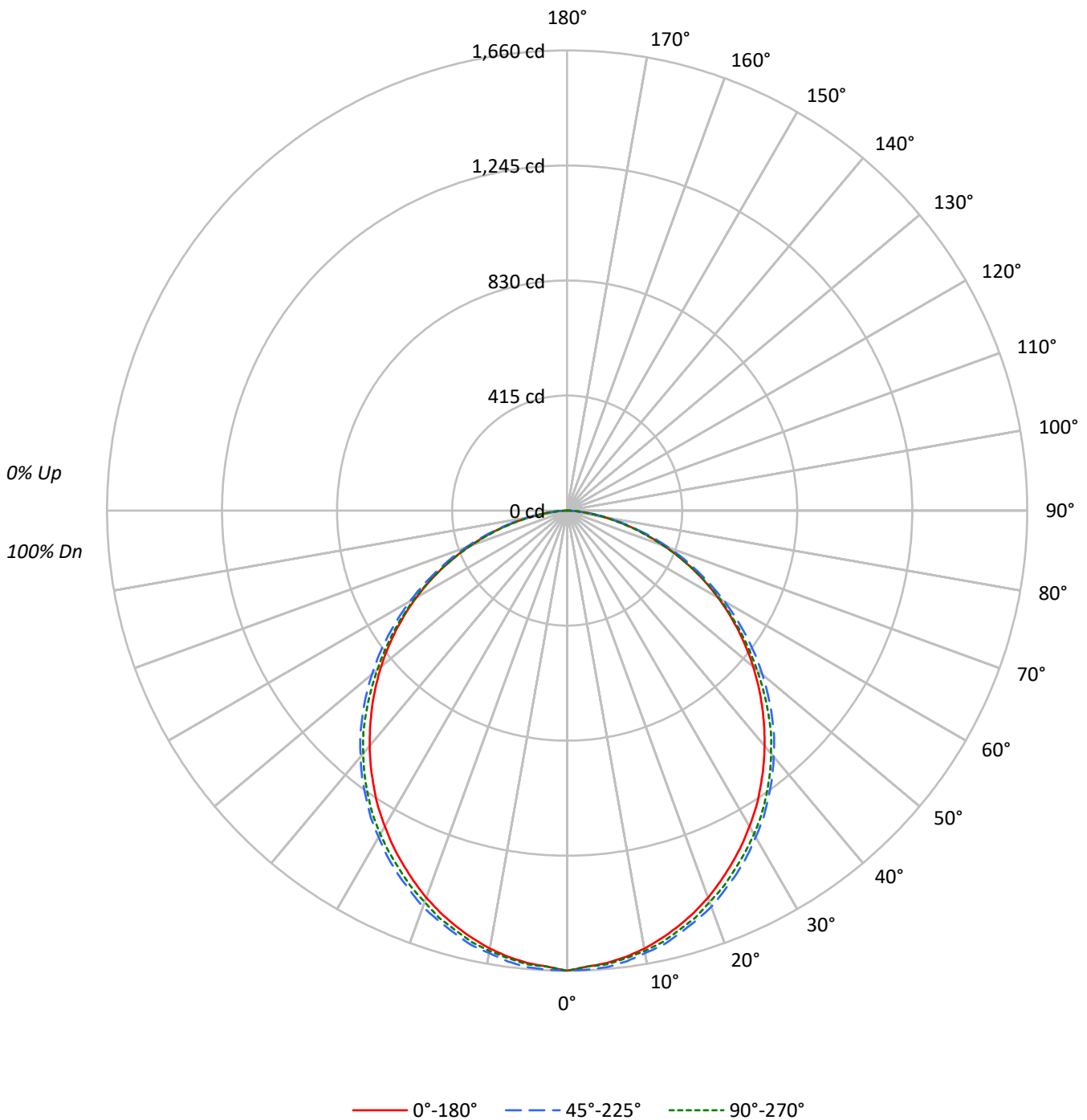
Lumens per Lamp: N/A
Luminaire Lumens: 4363.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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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CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-40-120-EDD

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°	8932	8932	8932
5°	8849	8933	8877
10°	8768	8857	8814
15°	8647	8787	8725
20°	8511	8713	8608
25°	8345	8587	8489
30°	8176	8454	8376
35°	7992	8309	8232
40°	7784	8143	8039
45°	7566	7948	7798
50°	7339	7694	7492
55°	7072	7403	7176
60°	6772	7053	6834
65°	6381	6626	6385
70°	5871	6109	5807
75°	5169	5404	5090
80°	4203	4382	4153
85°	2927	3118	3044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	3.6
10°-20°	442.9	10.2
20°-30°	660.6	15.1
30°-40°	782.8	17.9
40°-50°	792.1	18.2
50°-60°	691.8	15.9
60°-70°	505.5	11.6
70°-80°	269.0	6.2
80°-90°	62.2	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°	1259.8	28.9
0°-40°	2042.7	46.8
0°-60°	3526.5	80.8
0°-90°	4363.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4363.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1660	1660	1660	1660	1660	
5°	1638	1641	1653	1657	1643	155
15°	1552	1562	1577	1586	1566	437
25°	1405	1422	1446	1451	1430	647
35°	1216	1236	1265	1274	1253	761
45°	994	1012	1044	1045	1024	767
55°	754	769	789	778	765	674
65°	501	511	520	510	501	496
75°	249	254	260	250	245	264
85°	47	48	50	51	49	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1659.6	1659.6	1659.6	1659.6	1659.6
2.5°	1646.6	1652.0	1657.5	1660.0	1646.5
5°	1638.0	1641.1	1653.4	1657.2	1643.2
7.5°	1623.8	1628.5	1640.4	1642.1	1628.7
10°	1604.4	1612.7	1620.7	1629.3	1612.9
12.5°	1579.7	1591.0	1604.4	1606.0	1593.6
15°	1551.9	1562.3	1577.0	1586.5	1565.9
17.5°	1520.8	1530.8	1549.8	1551.5	1539.1
20°	1486.0	1498.5	1521.3	1525.3	1502.9
22.5°	1446.6	1463.4	1482.4	1486.2	1469.7
25°	1405.3	1422.5	1446.1	1451.4	1429.5
27.5°	1362.0	1378.6	1405.1	1408.9	1390.4
30°	1315.7	1331.2	1360.3	1366.7	1347.8
32.5°	1268.7	1284.2	1316.4	1321.7	1303.4
35°	1216.4	1235.5	1264.7	1273.5	1252.9
37.5°	1163.2	1181.7	1214.9	1222.8	1200.7
40°	1108.0	1126.3	1159.0	1165.6	1144.3
42.5°	1051.6	1070.0	1104.9	1105.9	1088.3
45°	994.1	1011.7	1044.2	1045.1	1024.5
47.5°	935.6	953.4	982.5	979.2	959.8
50°	876.5	893.4	918.9	912.3	894.8
52.5°	815.3	831.7	855.7	845.0	828.6
55°	753.7	768.9	789.0	777.6	764.8
57.5°	691.6	707.0	722.4	710.8	699.8
60°	629.1	642.5	655.2	643.4	634.9
62.5°	565.4	577.0	587.9	576.7	568.7
65°	501.1	511.3	520.3	509.9	501.4
67.5°	437.1	445.8	454.1	443.3	434.5
70°	373.1	380.6	388.2	377.1	369.0
72.5°	310.0	316.6	323.3	312.6	305.5
75°	248.6	254.4	259.9	250.4	244.8
77.5°	190.0	194.9	198.7	192.6	187.3
80°	135.6	139.2	141.4	139.0	134.0
82.5°	87.1	89.7	91.0	90.8	87.5
85°	47.4	48.2	50.5	51.0	49.3
87.5°	18.3	19.5	20.1	21.6	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)