

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: P489977

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-35-120-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: P489977
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-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

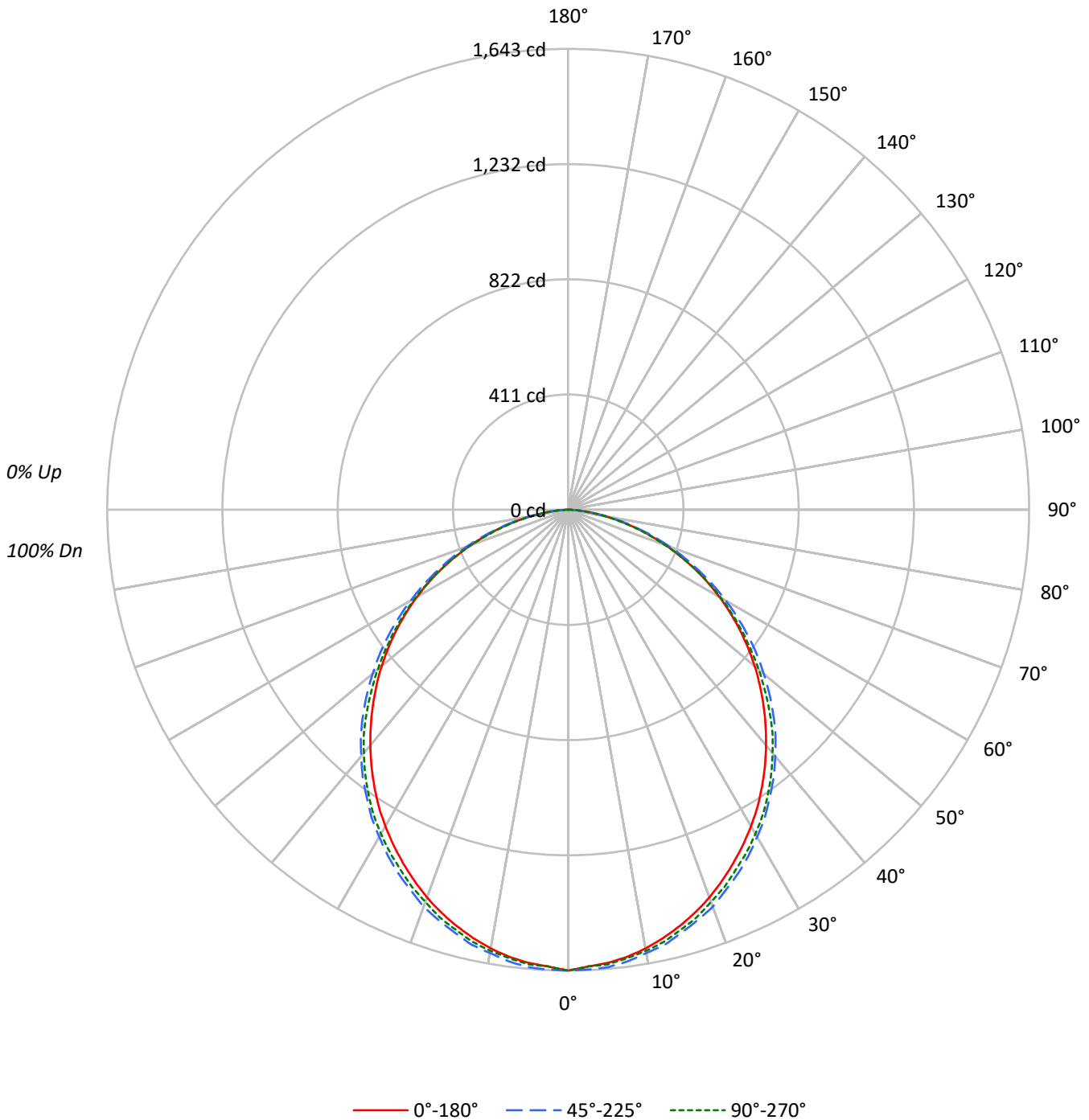
Lumens per Lamp: N/A
Luminaire Lumens: 4320.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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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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°	8844	8844	8844
5°	8762	8844	8789
10°	8682	8770	8728
15°	8561	8699	8639
20°	8427	8627	8523
25°	8262	8502	8405
30°	8096	8370	8293
35°	7913	8227	8150
40°	7707	8063	7960
45°	7491	7869	7721
50°	7266	7618	7418
55°	7003	7330	7105
60°	6704	6983	6766
65°	6318	6560	6323
70°	5813	6047	5748
75°	5120	5350	5041
80°	4159	4339	4113
85°	2896	3088	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	3.6
10°-20°	438.5	10.2
20°-30°	654.1	15.1
30°-40°	775.1	17.9
40°-50°	784.3	18.2
50°-60°	684.9	15.9
60°-70°	500.5	11.6
70°-80°	266.3	6.2
80°-90°	61.6	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°	1247.4	28.9
0°-40°	2022.4	46.8
0°-60°	3491.6	80.8
0°-90°	4320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1643	1643	1643	1643	1643	
5°	1622	1625	1637	1641	1627	154
15°	1536	1547	1561	1571	1550	433
25°	1391	1408	1432	1437	1415	641
35°	1204	1223	1252	1261	1240	753
45°	984	1002	1034	1035	1014	759
55°	746	761	781	770	757	667
65°	496	506	515	505	496	491
75°	246	252	257	248	242	262
85°	47	48	50	50	49	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1643.2	1643.2	1643.2	1643.2	1643.2
2.5°	1630.3	1635.6	1641.1	1643.5	1630.2
5°	1621.8	1624.9	1637.0	1640.8	1626.9
7.5°	1607.7	1612.4	1624.2	1625.9	1612.5
10°	1588.6	1596.8	1604.7	1613.2	1597.0
12.5°	1564.1	1575.2	1588.6	1590.1	1577.8
15°	1536.5	1546.8	1561.3	1570.8	1550.4
17.5°	1505.7	1515.6	1534.5	1536.2	1523.8
20°	1471.3	1483.6	1506.2	1510.2	1488.1
22.5°	1432.3	1448.9	1467.7	1471.5	1455.2
25°	1391.3	1408.5	1431.7	1437.0	1415.3
27.5°	1348.5	1365.0	1391.2	1394.9	1376.6
30°	1302.7	1318.1	1346.8	1353.2	1334.5
32.5°	1256.1	1271.5	1303.3	1308.7	1290.5
35°	1204.4	1223.2	1252.2	1260.9	1240.5
37.5°	1151.7	1170.0	1202.8	1210.7	1188.8
40°	1097.0	1115.2	1147.6	1154.1	1133.0
42.5°	1041.2	1059.4	1094.0	1095.0	1077.5
45°	984.2	1001.7	1033.9	1034.7	1014.4
47.5°	926.4	944.0	972.8	969.5	950.3
50°	867.8	884.6	909.8	903.2	886.0
52.5°	807.2	823.5	847.3	836.7	820.4
55°	746.3	761.3	781.2	769.9	757.2
57.5°	684.8	700.0	715.3	703.8	692.8
60°	622.8	636.2	648.7	637.0	628.6
62.5°	559.8	571.3	582.1	571.0	563.1
65°	496.1	506.2	515.1	504.9	496.5
67.5°	432.8	441.4	449.6	439.0	430.2
70°	369.4	376.8	384.3	373.4	365.3
72.5°	307.0	313.5	320.1	309.5	302.5
75°	246.2	251.8	257.3	247.9	242.4
77.5°	188.1	192.9	196.7	190.7	185.4
80°	134.2	137.8	140.0	137.6	132.7
82.5°	86.3	88.9	90.1	89.9	86.6
85°	46.9	47.8	50.0	50.5	48.8
87.5°	18.1	19.3	19.9	21.4	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)