

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: P490091

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-20-120-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: P490091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)
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-P12125-LD4-1LO-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

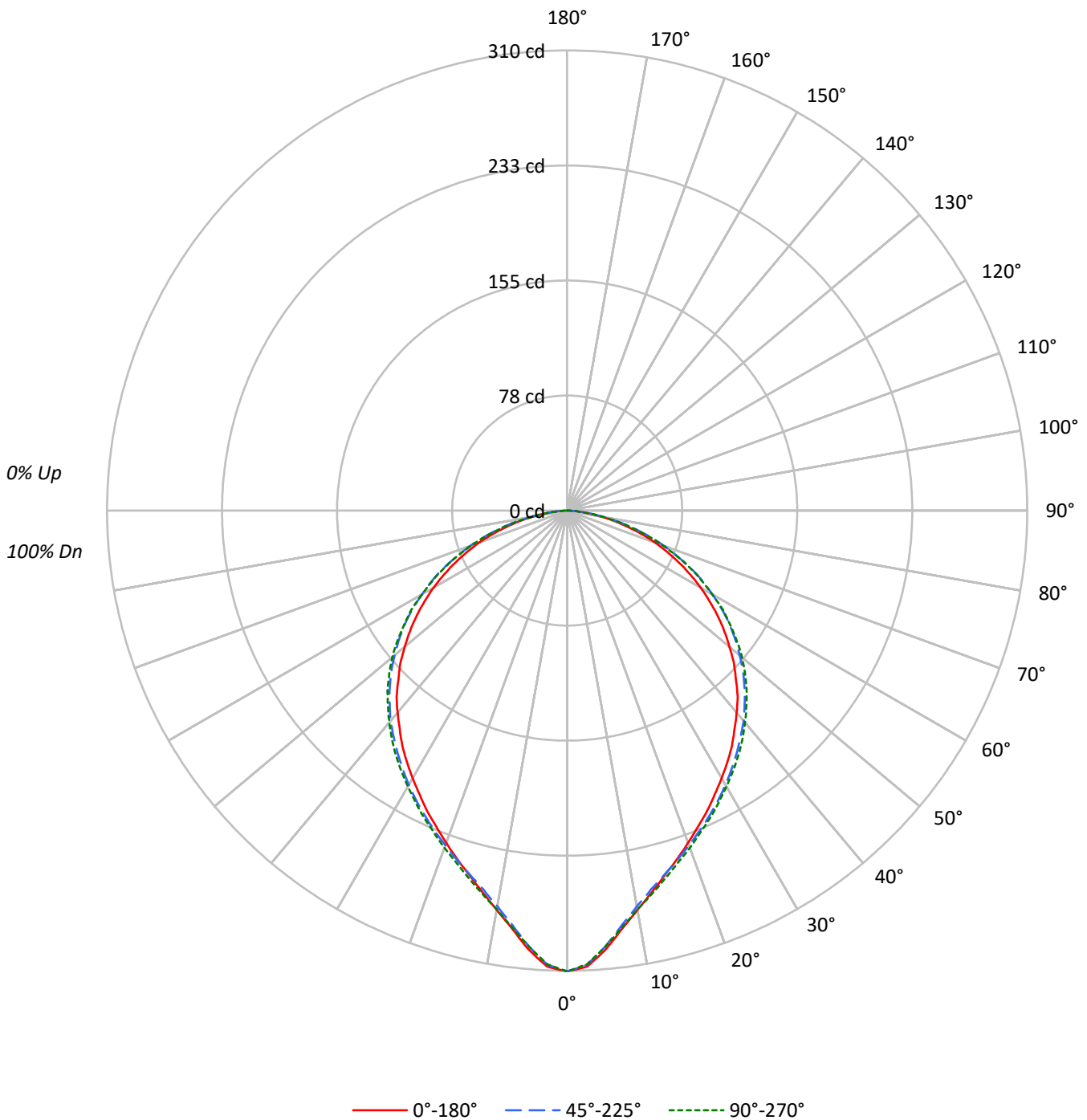
Lumens per Lamp: N/A
Luminaire Lumens: 720.9 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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: P490091

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1LO-20-120-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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1671	1671	1671
5°	1604	1593	1593
10°	1492	1479	1490
15°	1416	1414	1427
20°	1364	1374	1385
25°	1325	1347	1355
30°	1293	1326	1334
35°	1271	1309	1322
40°	1248	1300	1310
45°	1223	1287	1302
50°	1196	1271	1288
55°	1163	1253	1257
60°	1121	1217	1215
65°	1062	1172	1164
70°	991	1092	1079
75°	875	967	959
80°	713	787	750
85°	494	500	482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	3.8
10°-20°	71.8	10.0
20°-30°	104.5	14.5
30°-40°	124.3	17.2
40°-50°	129.1	17.9
50°-60°	116.9	16.2
60°-70°	88.2	12.2
70°-80°	48.1	6.7
80°-90°	10.6	1.5
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°	203.7	28.3
0°-40°	328.0	45.5
0°-60°	574.0	79.6
0°-90°	720.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	720.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	310	310	310	310	310	
5°	297	296	295	295	295	28
15°	254	254	254	256	256	72
25°	223	225	227	229	228	103
35°	194	196	199	202	201	121
45°	161	164	169	171	171	124
55°	124	127	134	134	134	111
65°	83	86	92	92	91	82
75°	42	44	46	47	46	45
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	310.4	310.4	310.4	310.4	310.4
2.5°	307.6	307.3	306.3	305.9	305.9
5°	296.9	296.2	294.8	294.6	294.8
7.5°	284.0	283.2	281.8	282.4	283.1
10°	273.1	271.2	270.6	271.4	272.7
12.5°	263.4	261.9	261.4	263.4	264.4
15°	254.2	253.6	253.7	255.5	256.2
17.5°	246.2	245.8	246.8	248.2	248.6
20°	238.2	239.0	239.9	241.3	241.8
22.5°	230.4	231.9	233.4	235.3	234.7
25°	223.2	225.1	226.8	228.7	228.2
27.5°	215.5	217.7	220.2	222.2	221.4
30°	208.1	210.9	213.3	215.7	214.6
32.5°	200.9	203.4	206.3	209.3	208.0
35°	193.5	195.8	199.2	202.2	201.2
37.5°	185.3	188.2	192.0	194.6	194.0
40°	177.7	180.4	185.0	186.7	186.5
42.5°	170.1	172.2	177.0	179.0	178.7
45°	160.7	163.6	169.1	170.9	171.1
47.5°	152.4	154.8	160.7	162.2	162.5
50°	142.8	145.9	151.8	153.5	153.8
52.5°	133.5	136.7	142.8	144.0	144.2
55°	123.9	126.9	133.5	134.4	134.0
57.5°	113.9	117.5	123.5	124.0	124.4
60°	104.1	107.3	113.1	113.8	112.9
62.5°	93.5	96.7	102.8	102.9	102.2
65°	83.4	85.8	92.0	91.8	91.4
67.5°	72.9	75.8	80.3	80.5	80.1
70°	63.0	65.1	69.4	69.5	68.6
72.5°	52.4	54.6	58.1	57.6	57.4
75°	42.1	43.8	46.5	46.8	46.1
77.5°	32.7	33.9	35.9	35.7	34.8
80°	23.0	24.0	25.4	25.1	24.2
82.5°	14.7	15.3	16.2	15.8	15.4
85°	8.0	8.1	8.1	8.1	7.8
87.5°	2.9	3.0	3.0	2.9	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)