

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: P490099

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-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: P490099
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-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

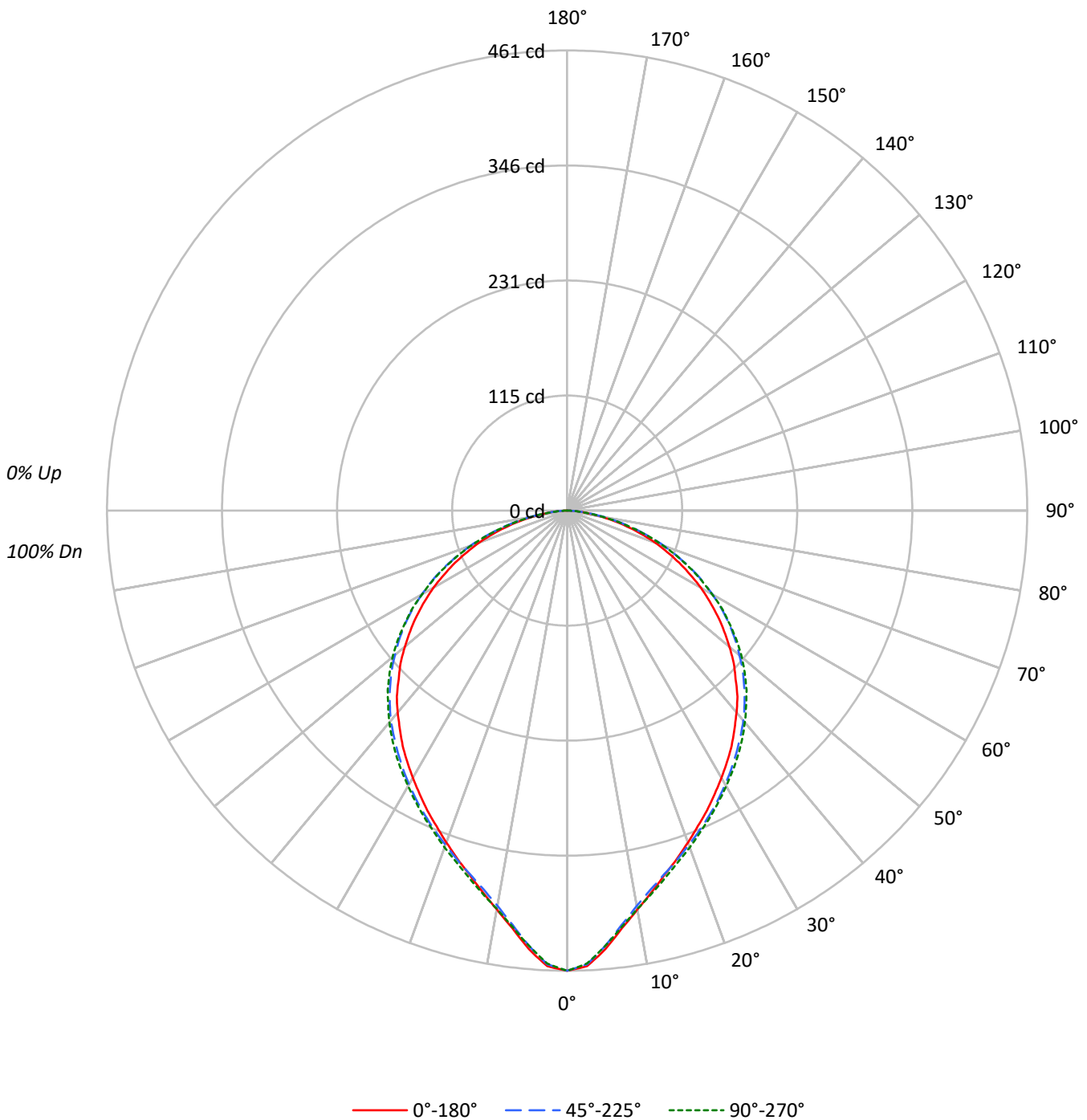
Lumens per Lamp: N/A
Luminaire Lumens: 1070.7 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (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-P12125-LD4-1LO-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	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°	2481	2481	2481
5°	2382	2365	2365
10°	2217	2197	2214
15°	2104	2100	2121
20°	2026	2041	2057
25°	1969	2001	2013
30°	1921	1968	1981
35°	1888	1943	1963
40°	1855	1930	1946
45°	1817	1911	1934
50°	1777	1887	1912
55°	1727	1860	1867
60°	1665	1808	1805
65°	1578	1740	1728
70°	1473	1622	1602
75°	1300	1437	1422
80°	1057	1172	1113
85°	735	747	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	3.8
10°-20°	106.7	10.0
20°-30°	155.1	14.5
30°-40°	184.6	17.2
40°-50°	191.7	17.9
50°-60°	173.7	16.2
60°-70°	131.0	12.2
70°-80°	71.4	6.7
80°-90°	15.7	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°	302.6	28.3
0°-40°	487.2	45.5
0°-60°	852.6	79.6
0°-90°	1070.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	461	461	461	461	461	
5°	441	440	438	438	438	41
15°	378	377	377	379	381	107
25°	332	334	337	340	339	153
35°	287	291	296	300	299	180
45°	239	243	251	254	254	184
55°	184	188	198	200	199	164
65°	124	128	137	136	136	123
75°	62	65	69	70	68	67
85°	12	12	12	12	12	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	461.0	461.0	461.0	461.0	461.0
2.5°	456.9	456.5	455.0	454.4	454.3
5°	440.9	439.9	437.8	437.6	437.8
7.5°	421.8	420.6	418.6	419.4	420.4
10°	405.7	402.8	402.0	403.1	405.1
12.5°	391.3	389.0	388.3	391.3	392.7
15°	377.6	376.6	376.9	379.4	380.6
17.5°	365.7	365.1	366.6	368.6	369.2
20°	353.8	355.0	356.4	358.4	359.1
22.5°	342.2	344.4	346.7	349.5	348.5
25°	331.5	334.3	336.9	339.7	338.9
27.5°	320.1	323.3	327.0	330.0	328.8
30°	309.1	313.2	316.7	320.4	318.7
32.5°	298.3	302.1	306.4	310.9	308.9
35°	287.4	290.8	295.8	300.3	298.8
37.5°	275.3	279.5	285.2	289.1	288.1
40°	264.0	267.9	274.7	277.2	277.0
42.5°	252.6	255.8	263.0	265.8	265.4
45°	238.7	242.9	251.1	253.9	254.1
47.5°	226.3	229.9	238.7	240.8	241.3
50°	212.2	216.7	225.4	228.1	228.4
52.5°	198.2	203.1	212.0	213.9	214.2
55°	184.1	188.4	198.2	199.6	199.0
57.5°	169.2	174.5	183.5	184.2	184.7
60°	154.7	159.3	168.0	169.0	167.7
62.5°	138.9	143.6	152.6	152.8	151.8
65°	123.9	127.5	136.6	136.4	135.7
67.5°	108.3	112.6	119.3	119.6	119.0
70°	93.6	96.6	103.1	103.2	101.8
72.5°	77.9	81.1	86.3	85.6	85.2
75°	62.5	65.1	69.1	69.6	68.4
77.5°	48.5	50.3	53.3	53.0	51.7
80°	34.1	35.6	37.8	37.3	35.9
82.5°	21.8	22.7	24.1	23.5	22.9
85°	11.9	12.0	12.1	12.0	11.6
87.5°	4.4	4.5	4.5	4.4	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)