

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: P489947

Luminaire Tested: **CLP-12-2-INS-A12125-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: P489947
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-LD4-1LO-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

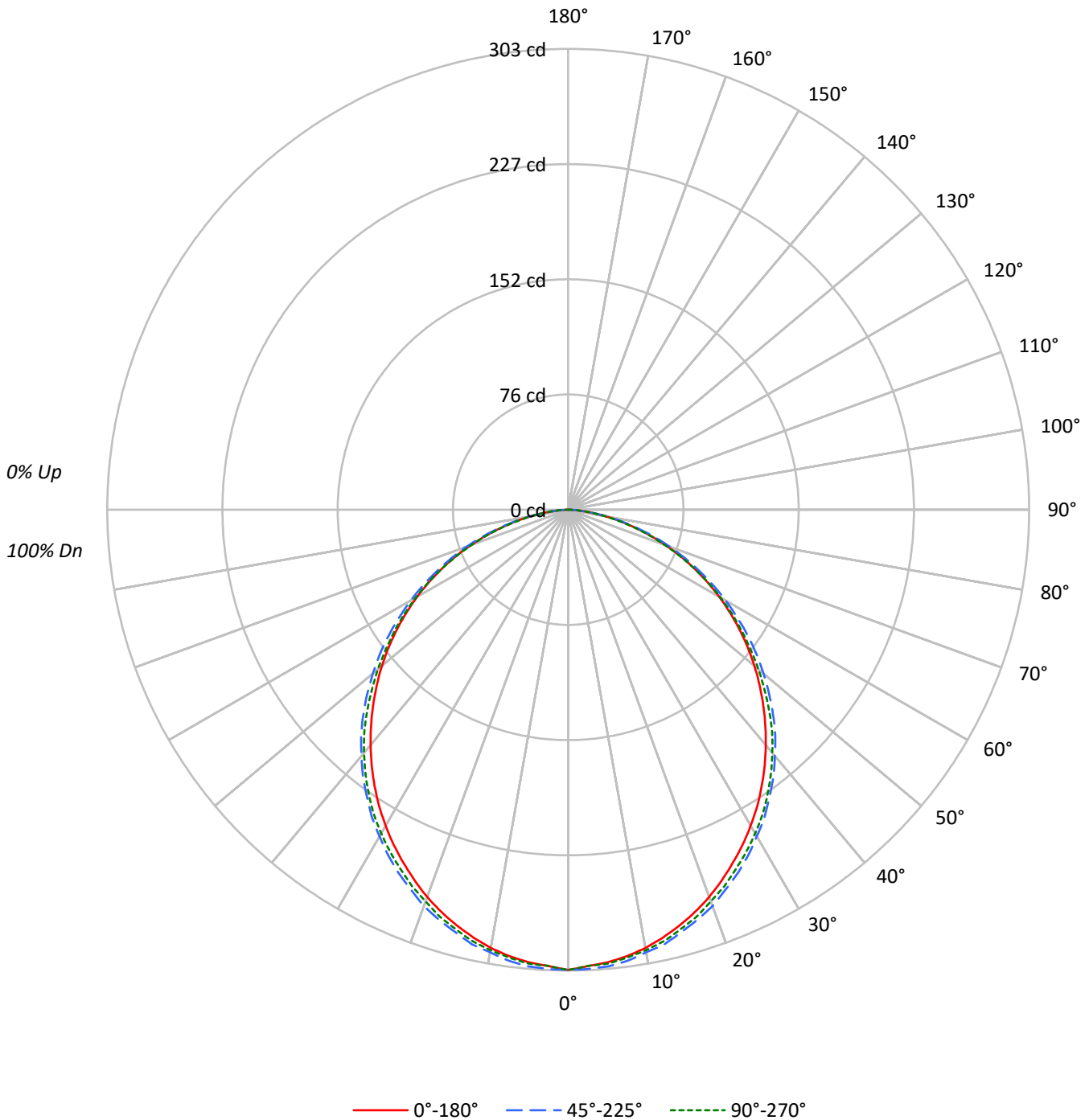
Lumens per Lamp: N/A
Luminaire Lumens: 795.6 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	1629	1629	1629
5°	1614	1629	1619
10°	1599	1615	1607
15°	1577	1602	1591
20°	1552	1589	1570
25°	1521	1566	1548
30°	1491	1541	1528
35°	1457	1515	1501
40°	1419	1485	1466
45°	1380	1449	1422
50°	1338	1402	1366
55°	1289	1350	1309
60°	1235	1286	1246
65°	1164	1209	1164
70°	1070	1114	1059
75°	942	986	927
80°	766	800	756
85°	531	568	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	3.6
10°-20°	80.8	10.2
20°-30°	120.5	15.1
30°-40°	142.7	17.9
40°-50°	144.4	18.2
50°-60°	126.1	15.9
60°-70°	92.2	11.6
70°-80°	49.0	6.2
80°-90°	11.3	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°	229.7	28.9
0°-40°	372.5	46.8
0°-60°	643.0	80.8
0°-90°	795.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	303	303	303	303	303	
5°	299	299	302	302	300	28
15°	283	285	288	289	286	80
25°	256	259	264	265	261	118
35°	222	225	231	232	228	139
45°	181	184	190	191	187	140
55°	137	140	144	142	140	123
65°	91	93	95	93	91	90
75°	45	46	47	46	45	48
85°	9	9	9	9	9	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	302.6	302.6	302.6	302.6	302.6
2.5°	300.3	301.2	302.2	302.7	300.2
5°	298.7	299.2	301.5	302.2	299.6
7.5°	296.1	296.9	299.1	299.4	297.0
10°	292.6	294.1	295.5	297.1	294.1
12.5°	288.1	290.1	292.6	292.8	290.6
15°	283.0	284.9	287.5	289.3	285.5
17.5°	277.3	279.1	282.6	282.9	280.6
20°	271.0	273.2	277.4	278.1	274.1
22.5°	263.8	266.8	270.3	271.0	268.0
25°	256.2	259.4	263.7	264.7	260.7
27.5°	248.4	251.4	256.2	256.9	253.5
30°	239.9	242.7	248.0	249.2	245.8
32.5°	231.3	234.2	240.0	241.0	237.7
35°	221.8	225.3	230.6	232.2	228.5
37.5°	212.1	215.5	221.5	223.0	218.9
40°	202.0	205.4	211.3	212.5	208.7
42.5°	191.8	195.1	201.5	201.7	198.4
45°	181.3	184.5	190.4	190.6	186.8
47.5°	170.6	173.9	179.1	178.6	175.0
50°	159.8	162.9	167.5	166.3	163.2
52.5°	148.7	151.7	156.0	154.1	151.1
55°	137.4	140.2	143.9	141.8	139.5
57.5°	126.1	128.9	131.7	129.6	127.6
60°	114.7	117.2	119.5	117.3	115.8
62.5°	103.1	105.2	107.2	105.2	103.7
65°	91.4	93.2	94.9	93.0	91.4
67.5°	79.7	81.3	82.8	80.8	79.2
70°	68.0	69.4	70.8	68.8	67.3
72.5°	56.5	57.7	59.0	57.0	55.7
75°	45.3	46.4	47.4	45.7	44.6
77.5°	34.7	35.5	36.2	35.1	34.1
80°	24.7	25.4	25.8	25.3	24.4
82.5°	15.9	16.4	16.6	16.6	16.0
85°	8.6	8.8	9.2	9.3	9.0
87.5°	3.3	3.6	3.7	3.9	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)