

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: P489952

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-35-120-EDD-90**

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: P489952
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-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

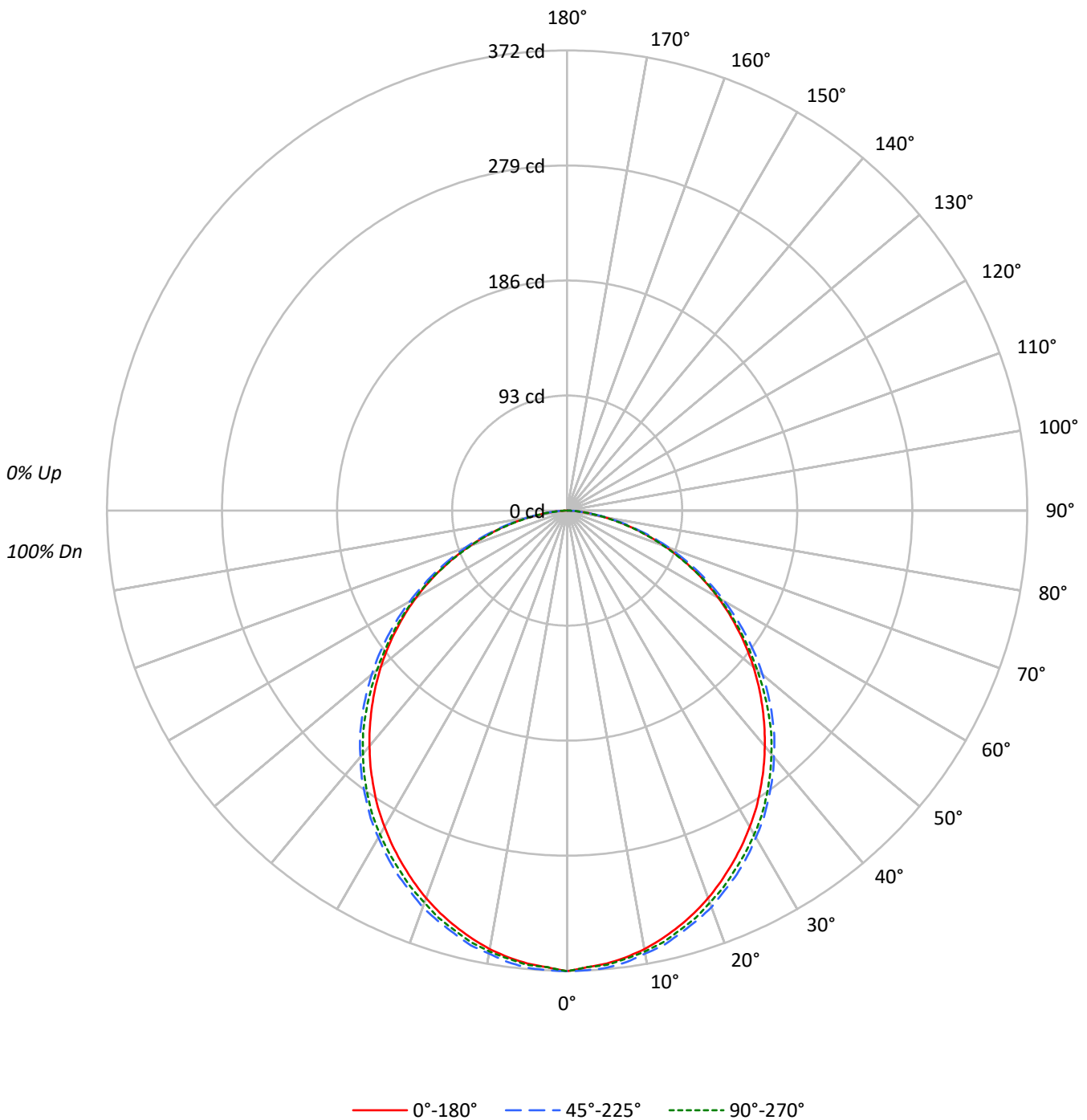
Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (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°	2004	2004	2004
5°	1985	2004	1992
10°	1967	1987	1978
15°	1940	1971	1957
20°	1910	1955	1931
25°	1872	1927	1904
30°	1835	1897	1879
35°	1793	1865	1847
40°	1747	1827	1804
45°	1697	1783	1750
50°	1647	1726	1681
55°	1587	1661	1610
60°	1519	1582	1534
65°	1431	1486	1433
70°	1317	1371	1303
75°	1160	1212	1142
80°	942	982	933
85°	655	698	685



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	3.6
10°-20°	99.4	10.2
20°-30°	148.2	15.1
30°-40°	175.6	17.9
40°-50°	177.7	18.2
50°-60°	155.2	15.9
60°-70°	113.4	11.6
70°-80°	60.3	6.2
80°-90°	13.9	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°	282.7	28.9
0°-40°	458.3	46.8
0°-60°	791.3	80.8
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	368	368	371	372	369	35
15°	348	350	354	356	351	98
25°	315	319	324	326	321	145
35°	273	277	284	286	281	171
45°	223	227	234	234	230	172
55°	169	172	177	174	172	151
65°	112	115	117	114	112	111
75°	56	57	58	56	55	59
85°	11	11	11	11	11	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	372.4	372.4	372.4	372.4	372.4
2.5°	369.5	370.7	371.9	372.5	369.4
5°	367.5	368.2	371.0	371.8	368.7
7.5°	364.3	365.4	368.1	368.5	365.4
10°	360.0	361.9	363.6	365.6	361.9
12.5°	354.5	357.0	360.0	360.3	357.6
15°	348.2	350.5	353.8	356.0	351.3
17.5°	341.2	343.5	347.7	348.1	345.3
20°	333.4	336.2	341.3	342.2	337.2
22.5°	324.6	328.3	332.6	333.5	329.8
25°	315.3	319.2	324.5	325.7	320.7
27.5°	305.6	309.3	315.3	316.1	312.0
30°	295.2	298.7	305.2	306.7	302.4
32.5°	284.7	288.1	295.4	296.6	292.5
35°	272.9	277.2	283.8	285.7	281.1
37.5°	261.0	265.1	272.6	274.4	269.4
40°	248.6	252.7	260.1	261.5	256.8
42.5°	236.0	240.1	247.9	248.1	244.2
45°	223.0	227.0	234.3	234.5	229.9
47.5°	209.9	213.9	220.4	219.7	215.4
50°	196.7	200.5	206.2	204.7	200.8
52.5°	182.9	186.6	192.0	189.6	185.9
55°	169.1	172.5	177.0	174.5	171.6
57.5°	155.2	158.6	162.1	159.5	157.0
60°	141.1	144.2	147.0	144.4	142.5
62.5°	126.9	129.5	131.9	129.4	127.6
65°	112.4	114.7	116.7	114.4	112.5
67.5°	98.1	100.0	101.9	99.5	97.5
70°	83.7	85.4	87.1	84.6	82.8
72.5°	69.6	71.0	72.6	70.1	68.6
75°	55.8	57.1	58.3	56.2	54.9
77.5°	42.6	43.7	44.6	43.2	42.0
80°	30.4	31.2	31.7	31.2	30.1
82.5°	19.6	20.1	20.4	20.4	19.6
85°	10.6	10.8	11.3	11.4	11.1
87.5°	4.1	4.4	4.5	4.8	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)