

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: P490000

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-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: P490000
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-LD4-2STD-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

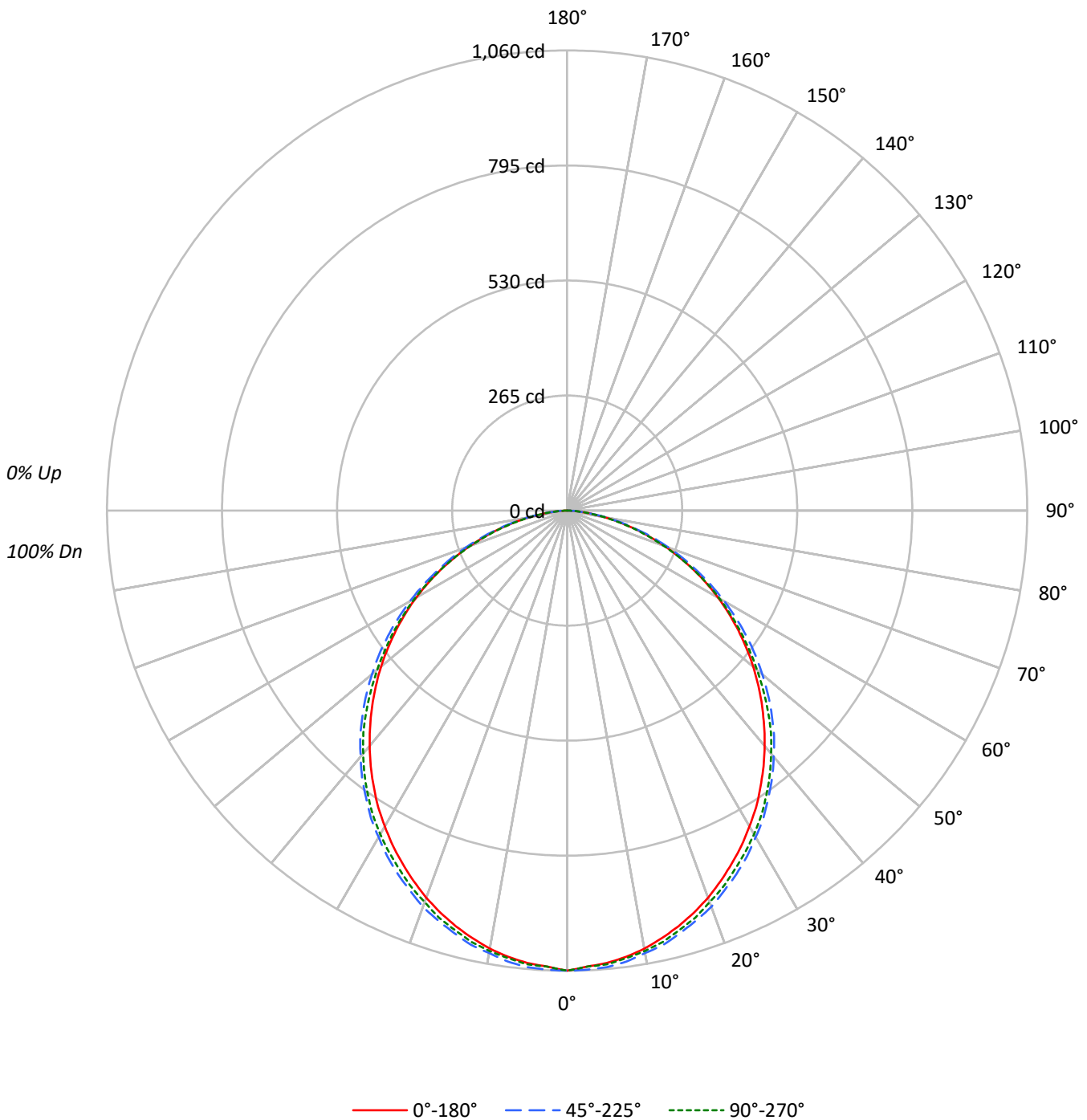
Lumens per Lamp: N/A
Luminaire Lumens: 2786.4 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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°	5704	5704	5704
5°	5651	5705	5669
10°	5599	5656	5629
15°	5522	5611	5572
20°	5435	5564	5497
25°	5329	5484	5421
30°	5221	5399	5349
35°	5104	5306	5257
40°	4971	5200	5134
45°	4832	5075	4980
50°	4686	4913	4784
55°	4516	4728	4583
60°	4324	4504	4365
65°	4075	4232	4078
70°	3750	3901	3707
75°	3302	3452	3252
80°	2684	2799	2653
85°	1871	1988	1945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	3.6
10°-20°	282.9	10.2
20°-30°	421.9	15.1
30°-40°	499.9	17.9
40°-50°	505.8	18.2
50°-60°	441.8	15.9
60°-70°	322.8	11.6
70°-80°	171.8	6.2
80°-90°	39.7	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°	804.5	28.9
0°-40°	1304.5	46.8
0°-60°	2252.1	80.8
0°-90°	2786.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2786.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1046	1048	1056	1058	1049	99
15°	991	998	1007	1013	1000	279
25°	897	908	924	927	913	413
35°	777	789	808	813	800	486
45°	635	646	667	667	654	490
55°	481	491	504	497	488	430
65°	320	326	332	326	320	317
75°	159	162	166	160	156	169
85°	30	31	32	33	32	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1051.6	1055.0	1058.5	1060.1	1051.5
5°	1046.0	1048.0	1055.9	1058.3	1049.4
7.5°	1037.0	1040.0	1047.6	1048.7	1040.1
10°	1024.6	1029.9	1035.0	1040.5	1030.0
12.5°	1008.8	1016.0	1024.6	1025.6	1017.7
15°	991.1	997.7	1007.1	1013.1	1000.0
17.5°	971.2	977.6	989.7	990.8	982.9
20°	949.0	956.9	971.5	974.0	959.8
22.5°	923.8	934.5	946.7	949.1	938.6
25°	897.4	908.5	923.5	926.9	912.9
27.5°	869.8	880.4	897.3	899.7	887.9
30°	840.2	850.2	868.7	872.8	860.8
32.5°	810.2	820.1	840.7	844.1	832.4
35°	776.8	789.0	807.6	813.3	800.1
37.5°	742.8	754.6	775.8	780.9	766.8
40°	707.6	719.3	740.2	744.4	730.8
42.5°	671.6	683.3	705.6	706.3	695.0
45°	634.8	646.1	666.8	667.4	654.3
47.5°	597.5	608.9	627.4	625.3	613.0
50°	559.7	570.6	586.8	582.6	571.4
52.5°	520.6	531.1	546.5	539.6	529.2
55°	481.3	491.1	503.9	496.6	488.4
57.5°	441.7	451.5	461.4	454.0	446.9
60°	401.7	410.3	418.4	410.9	405.5
62.5°	361.1	368.5	375.4	368.3	363.2
65°	320.0	326.5	332.3	325.6	320.2
67.5°	279.2	284.7	290.0	283.1	277.5
70°	238.3	243.0	247.9	240.8	235.6
72.5°	198.0	202.2	206.5	199.6	195.1
75°	158.8	162.4	166.0	159.9	156.4
77.5°	121.4	124.4	126.9	123.0	119.6
80°	86.6	88.9	90.3	88.8	85.6
82.5°	55.7	57.3	58.1	58.0	55.9
85°	30.3	30.8	32.2	32.6	31.5
87.5°	11.7	12.5	12.8	13.8	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)