

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: P490096

Luminaire Tested: **CLP-12-2-INS-P12125-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: P490096
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-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

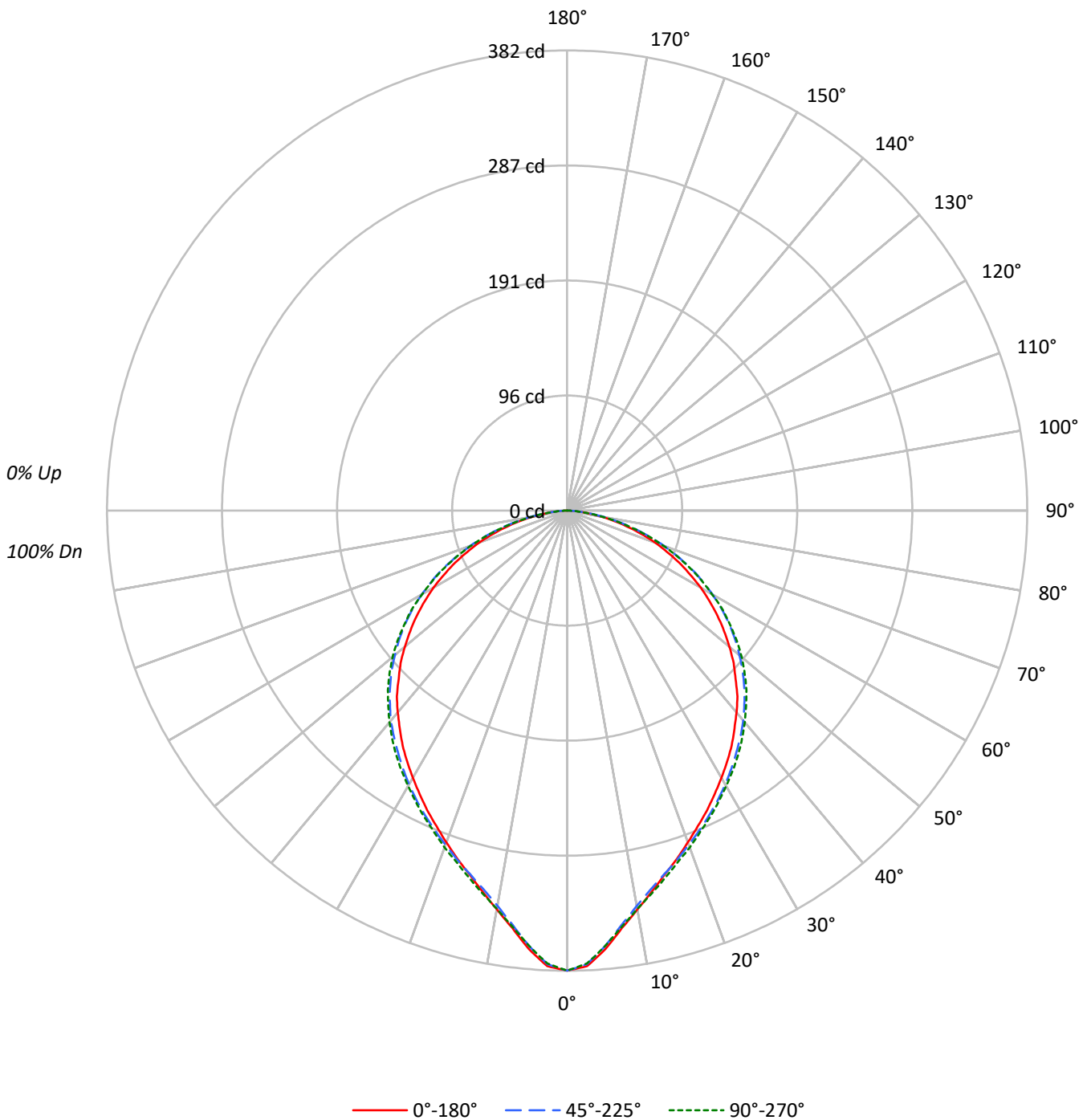
Lumens per Lamp: N/A
Luminaire Lumens: 887.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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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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°	2055	2055	2055
5°	1974	1959	1959
10°	1837	1820	1834
15°	1743	1740	1757
20°	1679	1691	1704
25°	1631	1657	1667
30°	1592	1631	1641
35°	1564	1610	1626
40°	1537	1599	1612
45°	1505	1583	1602
50°	1472	1563	1584
55°	1431	1541	1547
60°	1379	1498	1495
65°	1308	1442	1431
70°	1221	1344	1328
75°	1077	1192	1179
80°	874	970	924
85°	605	618	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	3.8
10°-20°	88.4	10.0
20°-30°	128.5	14.5
30°-40°	152.9	17.2
40°-50°	158.8	17.9
50°-60°	143.9	16.2
60°-70°	108.6	12.2
70°-80°	59.2	6.7
80°-90°	13.0	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°	250.7	28.3
0°-40°	403.6	45.5
0°-60°	706.3	79.6
0°-90°	887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	365	364	363	362	363	34
15°	313	312	312	314	315	88
25°	275	277	279	281	281	127
35°	238	241	245	249	248	149
45°	198	201	208	210	210	153
55°	152	156	164	165	165	136
65°	103	106	113	113	112	102
75°	52	54	57	58	57	55
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	381.9	381.9	381.9	381.9	381.9
2.5°	378.5	378.1	376.9	376.4	376.3
5°	365.3	364.4	362.7	362.5	362.7
7.5°	349.4	348.5	346.8	347.4	348.3
10°	336.1	333.7	333.0	334.0	335.6
12.5°	324.1	322.2	321.7	324.1	325.3
15°	312.8	312.0	312.2	314.3	315.3
17.5°	303.0	302.5	303.7	305.3	305.8
20°	293.1	294.1	295.2	296.9	297.5
22.5°	283.5	285.3	287.2	289.5	288.7
25°	274.6	276.9	279.1	281.4	280.7
27.5°	265.2	267.8	270.9	273.4	272.4
30°	256.1	259.4	262.4	265.5	264.0
32.5°	247.1	250.3	253.8	257.5	255.9
35°	238.1	240.9	245.0	248.8	247.5
37.5°	228.1	231.6	236.3	239.5	238.6
40°	218.7	221.9	227.6	229.7	229.5
42.5°	209.3	211.9	217.8	220.2	219.8
45°	197.7	201.2	208.0	210.3	210.5
47.5°	187.5	190.5	197.7	199.5	199.9
50°	175.8	179.5	186.7	188.9	189.2
52.5°	164.2	168.2	175.7	177.2	177.5
55°	152.5	156.1	164.2	165.4	164.9
57.5°	140.2	144.6	152.0	152.6	153.1
60°	128.1	132.0	139.2	140.0	138.9
62.5°	115.1	119.0	126.4	126.6	125.8
65°	102.7	105.6	113.2	113.0	112.4
67.5°	89.7	93.3	98.9	99.0	98.6
70°	77.6	80.1	85.4	85.5	84.4
72.5°	64.5	67.2	71.5	70.9	70.6
75°	51.8	53.9	57.3	57.6	56.7
77.5°	40.2	41.7	44.2	43.9	42.8
80°	28.2	29.5	31.3	30.9	29.8
82.5°	18.0	18.8	19.9	19.5	19.0
85°	9.8	9.9	10.0	9.9	9.6
87.5°	3.6	3.7	3.7	3.6	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)