

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: P490133

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-35-120-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: P490133
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-LD4-2LO-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

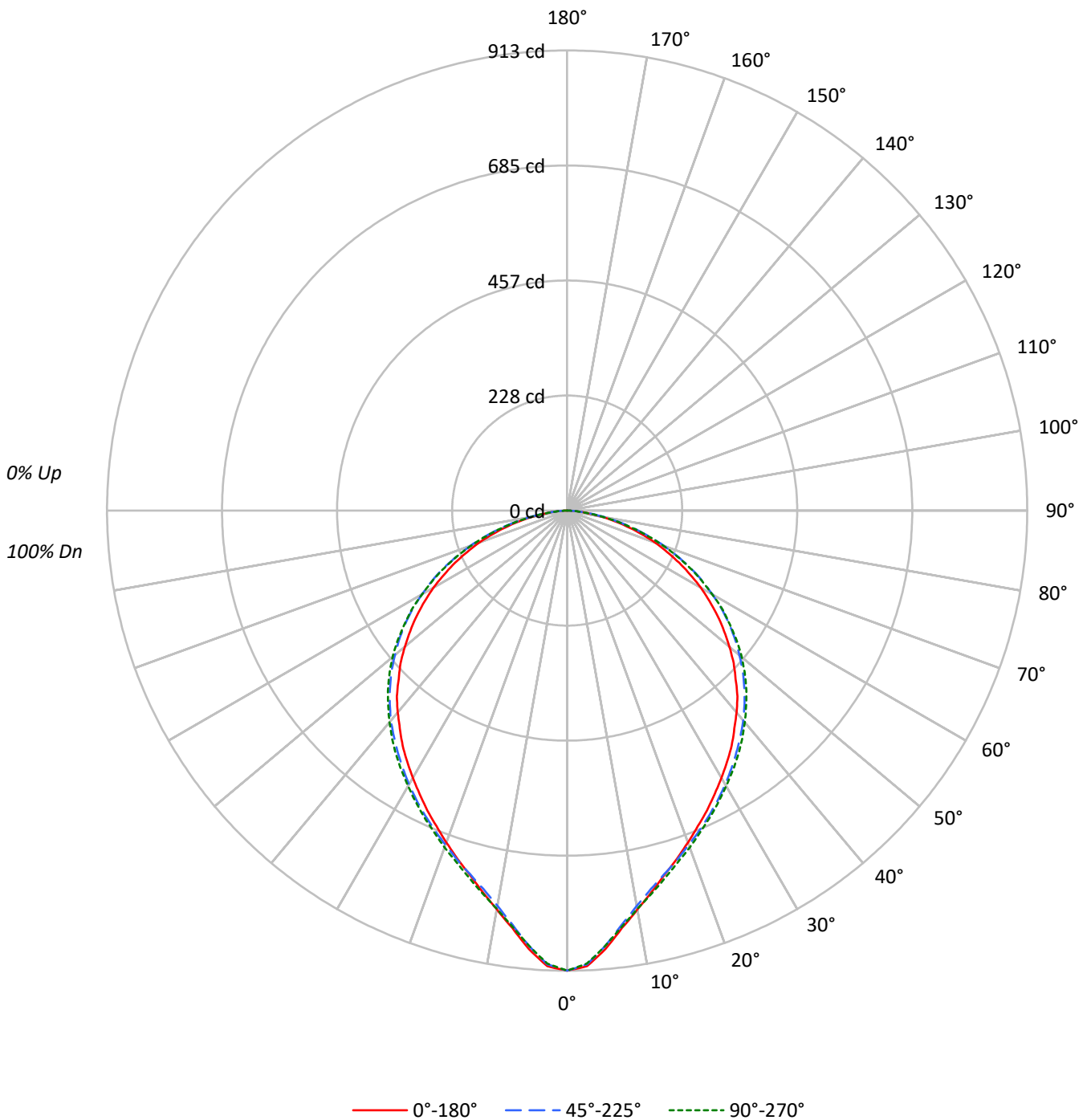
Lumens per Lamp: N/A
Luminaire Lumens: 2120.2 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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°	4913	4913	4913
5°	4717	4683	4683
10°	4390	4350	4384
15°	4165	4158	4199
20°	4013	4042	4073
25°	3898	3961	3985
30°	3805	3898	3922
35°	3739	3848	3887
40°	3673	3822	3854
45°	3597	3784	3829
50°	3517	3738	3787
55°	3420	3683	3698
60°	3297	3582	3575
65°	3125	3445	3422
70°	2917	3212	3172
75°	2574	2847	2818
80°	2092	2318	2207
85°	1451	1476	1420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	3.8
10°-20°	211.3	10.0
20°-30°	307.2	14.5
30°-40°	365.6	17.2
40°-50°	379.6	17.9
50°-60°	343.9	16.2
60°-70°	259.5	12.2
70°-80°	141.4	6.7
80°-90°	31.1	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°	599.1	28.3
0°-40°	964.7	45.5
0°-60°	1688.2	79.6
0°-90°	2120.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2120.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	873	871	867	866	867	81
15°	748	746	746	751	754	211
25°	656	662	667	673	671	302
35°	569	576	586	595	592	356
45°	473	481	497	503	503	365
55°	364	373	392	395	394	325
65°	245	252	270	270	269	243
75°	124	129	137	138	136	132
85°	24	24	24	24	23	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.8	912.8	912.8	912.8	912.8
2.5°	904.8	903.9	900.9	899.8	899.5
5°	873.1	871.0	866.9	866.5	866.9
7.5°	835.2	832.9	828.9	830.4	832.5
10°	803.3	797.6	796.0	798.3	802.2
12.5°	774.8	770.2	768.8	774.8	777.5
15°	747.6	745.8	746.3	751.3	753.6
17.5°	724.2	723.0	726.0	729.9	731.0
20°	700.7	702.9	705.7	709.8	711.2
22.5°	677.6	682.0	686.5	692.0	690.2
25°	656.4	661.9	667.1	672.6	671.0
27.5°	633.8	640.2	647.5	653.5	651.2
30°	612.2	620.1	627.2	634.5	631.1
32.5°	590.7	598.3	606.7	615.6	611.7
35°	569.1	575.9	585.7	594.6	591.6
37.5°	545.1	553.6	564.7	572.5	570.4
40°	522.8	530.5	544.0	549.0	548.5
42.5°	500.2	506.6	520.7	526.4	525.5
45°	472.6	481.0	497.2	502.7	503.1
47.5°	448.2	455.3	472.6	476.9	477.8
50°	420.1	429.0	446.4	451.6	452.3
52.5°	392.5	402.1	419.9	423.5	424.2
55°	364.5	373.1	392.5	395.3	394.1
57.5°	335.1	345.5	363.3	364.7	365.8
60°	306.3	315.4	332.8	334.6	332.1
62.5°	275.1	284.4	302.2	302.7	300.6
65°	245.4	252.5	270.5	270.0	268.7
67.5°	214.4	223.1	236.3	236.7	235.6
70°	185.4	191.4	204.1	204.4	201.6
72.5°	154.2	160.6	170.8	169.5	168.8
75°	123.8	128.9	136.9	137.8	135.5
77.5°	96.0	99.7	105.6	104.9	102.4
80°	67.5	70.5	74.8	73.9	71.2
82.5°	43.1	44.9	47.7	46.5	45.4
85°	23.5	23.7	23.9	23.7	23.0
87.5°	8.7	8.9	8.9	8.7	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)