

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: P490127

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-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: P490127
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-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

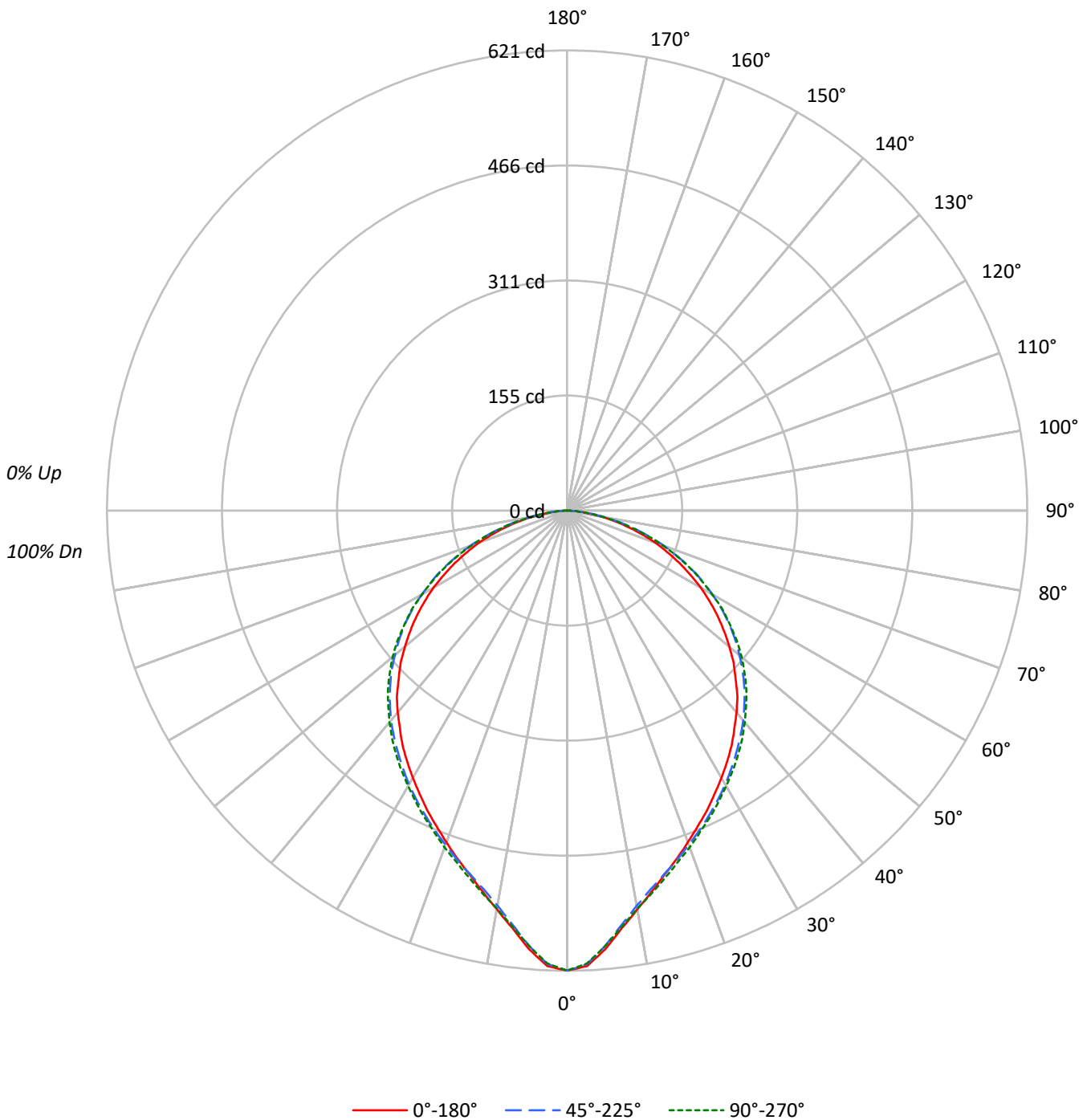
Lumens per Lamp: N/A
Luminaire Lumens: 1441.7 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	3341	3341	3341
5°	3207	3185	3185
10°	2985	2958	2981
15°	2833	2828	2855
20°	2729	2749	2770
25°	2651	2694	2710
30°	2587	2651	2667
35°	2543	2617	2643
40°	2498	2599	2621
45°	2446	2573	2604
50°	2392	2541	2575
55°	2325	2504	2515
60°	2242	2436	2430
65°	2125	2342	2327
70°	1984	2184	2157
75°	1751	1936	1915
80°	1423	1578	1500
85°	988	1007	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	3.8
10°-20°	143.7	10.0
20°-30°	208.9	14.5
30°-40°	248.6	17.2
40°-50°	258.1	17.9
50°-60°	233.8	16.2
60°-70°	176.5	12.2
70°-80°	96.1	6.7
80°-90°	21.1	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°	407.4	28.3
0°-40°	656.0	45.5
0°-60°	1148.0	79.6
0°-90°	1441.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	594	592	590	589	590	55
15°	508	507	508	511	512	143
25°	446	450	454	457	456	206
35°	387	392	398	404	402	242
45°	321	327	338	342	342	248
55°	248	254	267	269	268	221
65°	167	172	184	184	183	165
75°	84	88	93	94	92	90
85°	16	16	16	16	16	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.7	620.7	620.7	620.7	620.7
2.5°	615.2	614.6	612.6	611.8	611.7
5°	593.7	592.3	589.5	589.2	589.5
7.5°	567.9	566.4	563.6	564.7	566.1
10°	546.2	542.4	541.3	542.8	545.5
12.5°	526.8	523.7	522.8	526.8	528.7
15°	508.4	507.1	507.5	510.9	512.4
17.5°	492.4	491.6	493.7	496.3	497.1
20°	476.4	478.0	479.9	482.6	483.6
22.5°	460.8	463.7	466.8	470.5	469.3
25°	446.4	450.1	453.6	457.4	456.3
27.5°	431.0	435.3	440.3	444.3	442.8
30°	416.3	421.7	426.5	431.5	429.1
32.5°	401.7	406.8	412.5	418.6	416.0
35°	387.0	391.6	398.3	404.3	402.3
37.5°	370.7	376.4	384.0	389.3	387.9
40°	355.5	360.7	369.9	373.3	373.0
42.5°	340.1	344.5	354.1	357.9	357.3
45°	321.4	327.1	338.1	341.8	342.1
47.5°	304.8	309.6	321.4	324.3	324.9
50°	285.7	291.7	303.5	307.1	307.5
52.5°	266.9	273.4	285.5	288.0	288.5
55°	247.8	253.7	266.9	268.8	268.0
57.5°	227.8	235.0	247.1	248.0	248.8
60°	208.3	214.5	226.3	227.5	225.8
62.5°	187.0	193.4	205.5	205.8	204.4
65°	166.9	171.7	183.9	183.6	182.7
67.5°	145.8	151.7	160.7	161.0	160.2
70°	126.1	130.1	138.8	139.0	137.1
72.5°	104.8	109.2	116.2	115.2	114.8
75°	84.2	87.6	93.1	93.7	92.1
77.5°	65.3	67.8	71.8	71.3	69.6
80°	45.9	47.9	50.9	50.3	48.4
82.5°	29.3	30.6	32.4	31.6	30.9
85°	16.0	16.1	16.3	16.1	15.7
87.5°	5.9	6.1	6.1	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)