

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: P490079

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-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: P490079
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-LD4-1HI-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

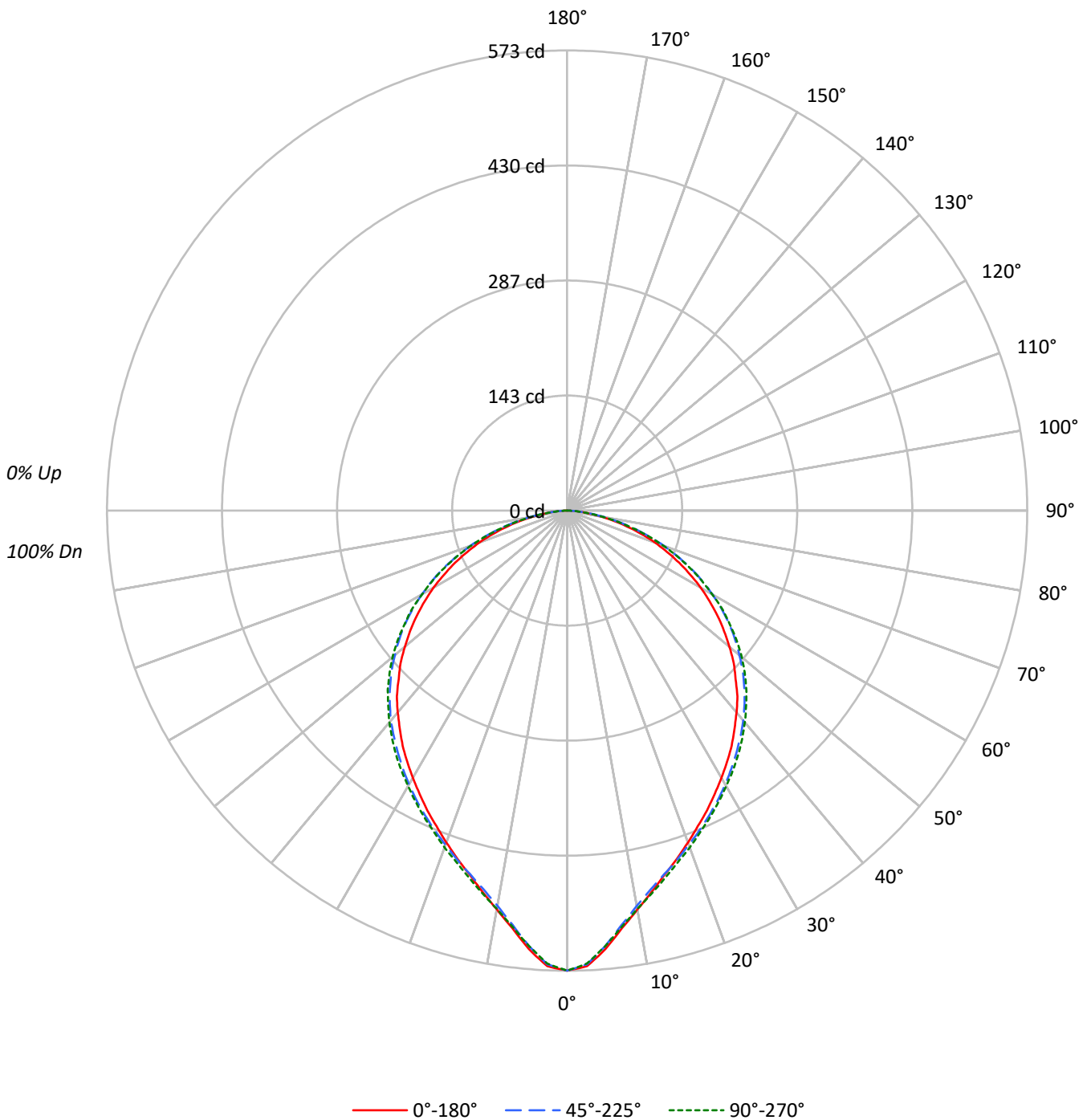
Lumens per Lamp: N/A
Luminaire Lumens: 1330.8 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	3083	3083	3083
5°	2961	2940	2940
10°	2755	2730	2752
15°	2615	2610	2635
20°	2519	2537	2557
25°	2447	2486	2501
30°	2388	2447	2462
35°	2347	2415	2440
40°	2305	2399	2419
45°	2257	2375	2404
50°	2208	2346	2377
55°	2147	2312	2321
60°	2070	2249	2243
65°	1961	2162	2147
70°	1832	2016	1992
75°	1616	1786	1768
80°	1314	1457	1385
85°	908	926	895



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	3.8
10°-20°	132.6	10.0
20°-30°	192.8	14.5
30°-40°	229.5	17.2
40°-50°	238.3	17.9
50°-60°	215.9	16.2
60°-70°	162.9	12.2
70°-80°	88.8	6.7
80°-90°	19.5	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°	376.1	28.3
0°-40°	605.5	45.5
0°-60°	1059.7	79.6
0°-90°	1330.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1330.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	573	573	573	573	573	
5°	548	547	544	544	544	51
15°	469	468	468	472	473	132
25°	412	416	419	422	421	190
35°	357	362	368	373	371	223
45°	297	302	312	316	316	229
55°	229	234	246	248	247	204
65°	154	158	170	170	169	152
75°	78	81	86	86	85	83
85°	15	15	15	15	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572.9	572.9	572.9	572.9	572.9
2.5°	567.9	567.3	565.5	564.8	564.6
5°	548.0	546.7	544.2	543.9	544.2
7.5°	524.3	522.8	520.3	521.2	522.5
10°	504.2	500.6	499.6	501.1	503.5
12.5°	486.3	483.5	482.6	486.3	488.0
15°	469.3	468.1	468.4	471.6	473.0
17.5°	454.5	453.8	455.7	458.1	458.8
20°	439.8	441.2	442.9	445.5	446.4
22.5°	425.3	428.0	430.9	434.3	433.2
25°	412.0	415.5	418.7	422.2	421.2
27.5°	397.8	401.8	406.4	410.2	408.7
30°	384.2	389.3	393.7	398.3	396.1
32.5°	370.8	375.5	380.8	386.4	384.0
35°	357.2	361.5	367.6	373.2	371.4
37.5°	342.2	347.5	354.5	359.3	358.0
40°	328.1	333.0	341.4	344.6	344.3
42.5°	313.9	318.0	326.8	330.4	329.8
45°	296.6	301.9	312.1	315.5	315.8
47.5°	281.3	285.8	296.6	299.3	299.9
50°	263.7	269.3	280.2	283.5	283.9
52.5°	246.4	252.4	263.6	265.8	266.3
55°	228.8	234.2	246.4	248.1	247.4
57.5°	210.3	216.9	228.1	228.9	229.6
60°	192.3	198.0	208.9	210.0	208.4
62.5°	172.7	178.5	189.7	190.0	188.7
65°	154.0	158.5	169.8	169.5	168.6
67.5°	134.6	140.0	148.3	148.6	147.9
70°	116.4	120.1	128.1	128.3	126.6
72.5°	96.8	100.8	107.2	106.4	105.9
75°	77.7	80.9	85.9	86.5	85.0
77.5°	60.3	62.6	66.3	65.9	64.3
80°	42.4	44.2	47.0	46.4	44.7
82.5°	27.1	28.2	29.9	29.2	28.5
85°	14.7	14.9	15.0	14.9	14.5
87.5°	5.4	5.6	5.6	5.4	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)