

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: P489962

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-30-120-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: P489962
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-LD4-1STD-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

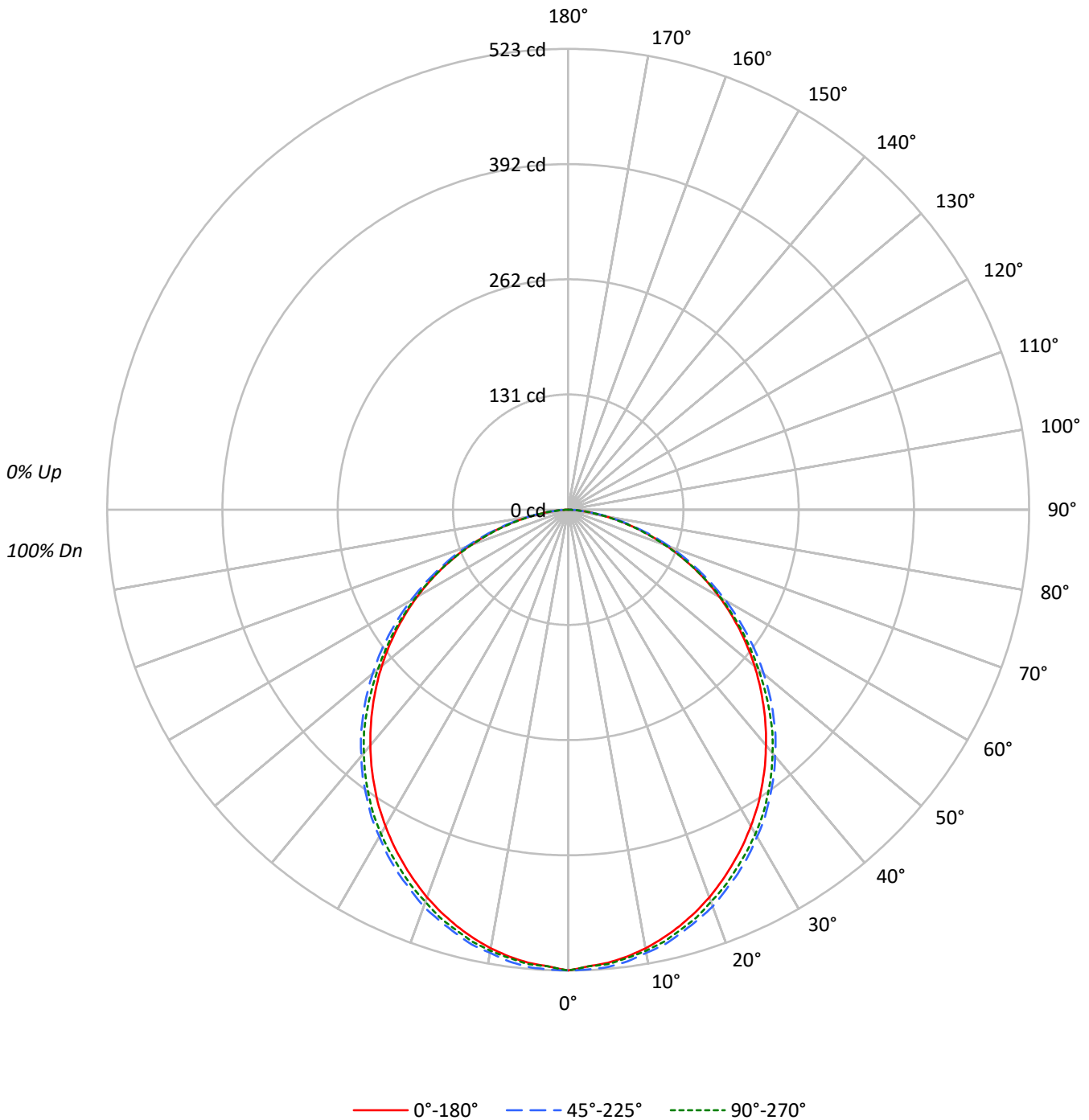
Lumens per Lamp: N/A
Luminaire Lumens: 1374.8 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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	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°	2814	2814	2814
5°	2788	2815	2797
10°	2763	2791	2777
15°	2725	2769	2749
20°	2682	2745	2712
25°	2629	2706	2675
30°	2577	2664	2639
35°	2518	2618	2594
40°	2453	2566	2533
45°	2384	2504	2457
50°	2313	2424	2360
55°	2228	2333	2261
60°	2133	2222	2154
65°	2011	2087	2012
70°	1851	1924	1830
75°	1628	1703	1603
80°	1323	1382	1308
85°	920	982	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	3.6
10°-20°	139.6	10.2
20°-30°	208.1	15.1
30°-40°	246.7	17.9
40°-50°	249.6	18.2
50°-60°	218.0	15.9
60°-70°	159.3	11.6
70°-80°	84.8	6.2
80°-90°	19.6	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°	397.0	28.9
0°-40°	643.6	46.8
0°-60°	1111.2	80.8
0°-90°	1374.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	523	523	523	523	523	
5°	516	517	521	522	518	49
15°	489	492	497	500	493	138
25°	443	448	456	457	450	204
35°	383	389	398	401	395	240
45°	313	319	329	329	323	242
55°	238	242	249	245	241	212
65°	158	161	164	161	158	156
75°	78	80	82	79	77	83
85°	15	15	16	16	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	522.9	522.9	522.9	522.9	522.9
2.5°	518.8	520.5	522.3	523.0	518.8
5°	516.1	517.1	521.0	522.2	517.7
7.5°	511.6	513.1	516.9	517.4	513.2
10°	505.5	508.2	510.7	513.4	508.2
12.5°	497.8	501.3	505.5	506.0	502.1
15°	489.0	492.3	496.9	499.9	493.4
17.5°	479.2	482.3	488.3	488.9	485.0
20°	468.2	472.1	479.3	480.6	473.6
22.5°	455.8	461.1	467.1	468.3	463.1
25°	442.8	448.2	455.6	457.3	450.4
27.5°	429.2	434.4	442.7	443.9	438.1
30°	414.6	419.5	428.6	430.6	424.7
32.5°	399.7	404.6	414.8	416.5	410.7
35°	383.3	389.3	398.5	401.3	394.8
37.5°	366.5	372.3	382.8	385.3	378.3
40°	349.1	354.9	365.2	367.3	360.6
42.5°	331.4	337.1	348.1	348.5	342.9
45°	313.2	318.8	329.0	329.3	322.8
47.5°	294.8	300.4	309.6	308.5	302.4
50°	276.2	281.5	289.5	287.5	281.9
52.5°	256.9	262.1	269.6	266.3	261.1
55°	237.5	242.3	248.6	245.0	241.0
57.5°	217.9	222.8	227.6	224.0	220.5
60°	198.2	202.5	206.4	202.7	200.1
62.5°	178.2	181.8	185.2	181.7	179.2
65°	157.9	161.1	163.9	160.7	158.0
67.5°	137.7	140.5	143.1	139.7	136.9
70°	117.6	119.9	122.3	118.8	116.3
72.5°	97.7	99.8	101.9	98.5	96.3
75°	78.3	80.1	81.9	78.9	77.1
77.5°	59.9	61.4	62.6	60.7	59.0
80°	42.7	43.9	44.6	43.8	42.2
82.5°	27.5	28.3	28.7	28.6	27.6
85°	14.9	15.2	15.9	16.1	15.5
87.5°	5.8	6.2	6.3	6.8	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)