

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: P489982

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-20-120-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: P489982
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-LD4-2LO-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

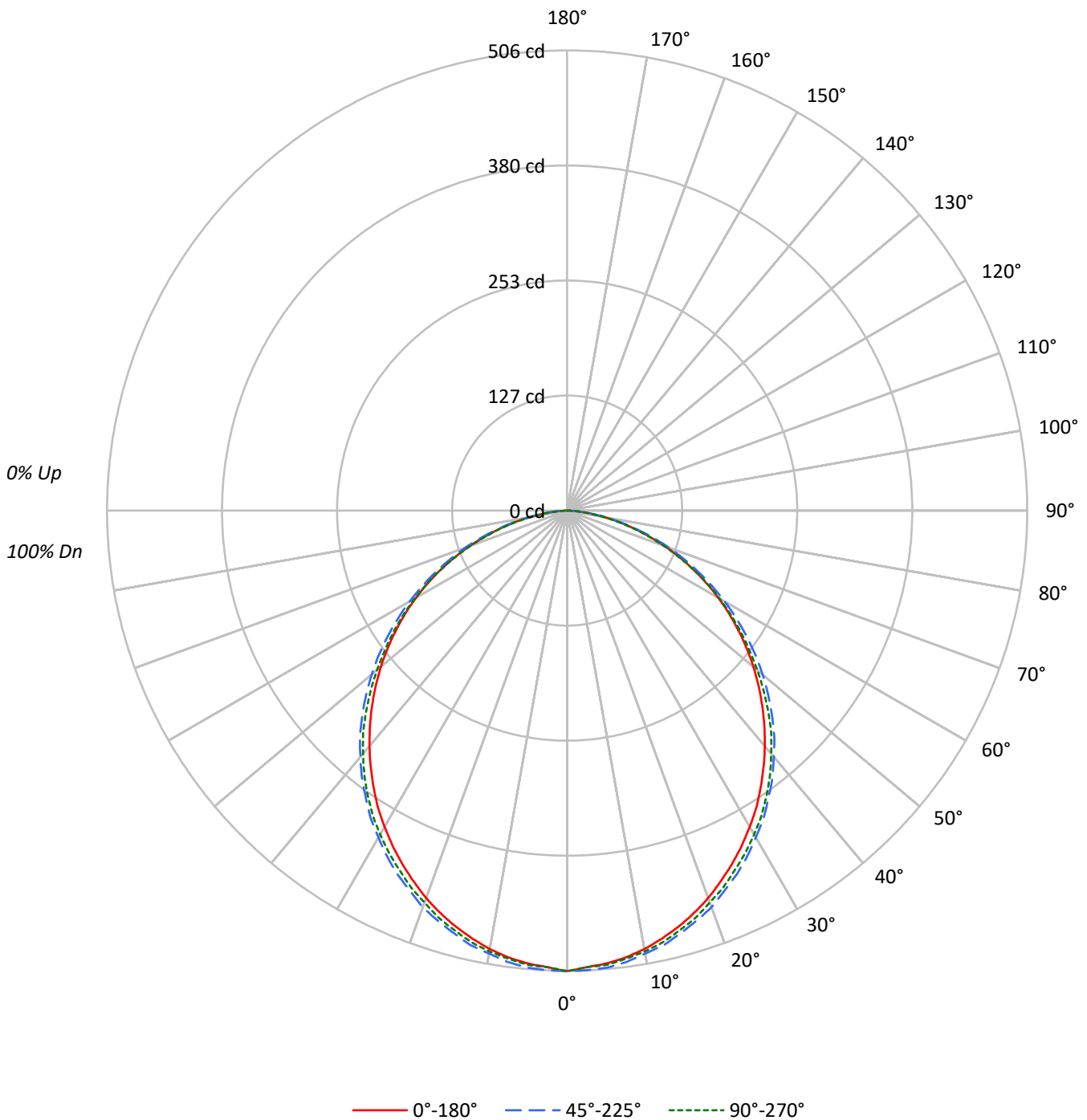
Lumens per Lamp: N/A
Luminaire Lumens: 1331.4 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2725	2725	2725
5°	2700	2726	2709
10°	2676	2702	2690
15°	2638	2681	2662
20°	2597	2659	2627
25°	2546	2621	2590
30°	2495	2580	2556
35°	2439	2535	2512
40°	2375	2485	2453
45°	2308	2425	2379
50°	2240	2348	2286
55°	2158	2259	2190
60°	2067	2152	2085
65°	1947	2022	1948
70°	1792	1865	1772
75°	1578	1649	1553
80°	1283	1339	1268
85°	895	951	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	3.6
10°-20°	135.2	10.2
20°-30°	201.6	15.1
30°-40°	238.9	17.9
40°-50°	241.7	18.2
50°-60°	211.1	15.9
60°-70°	154.3	11.6
70°-80°	82.1	6.2
80°-90°	19.0	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°	384.4	28.9
0°-40°	623.3	46.8
0°-60°	1076.1	80.8
0°-90°	1331.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1331.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	500	501	504	506	501	47
15°	474	477	481	484	478	133
25°	429	434	441	443	436	198
35°	371	377	386	389	382	232
45°	303	309	319	319	313	234
55°	230	235	241	237	233	206
65°	153	156	159	156	153	151
75°	76	78	79	76	75	81
85°	14	15	15	16	15	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	506.4	506.4	506.4	506.4	506.4
2.5°	502.5	504.1	505.8	506.5	502.4
5°	499.8	500.8	504.5	505.7	501.4
7.5°	495.5	496.9	500.6	501.1	497.0
10°	489.6	492.1	494.5	497.2	492.2
12.5°	482.0	485.5	489.6	490.1	486.3
15°	473.5	476.7	481.2	484.1	477.8
17.5°	464.0	467.1	472.9	473.4	469.6
20°	453.4	457.2	464.2	465.4	458.6
22.5°	441.4	446.5	452.3	453.5	448.5
25°	428.8	434.1	441.3	442.9	436.2
27.5°	415.6	420.7	428.8	429.9	424.3
30°	401.5	406.2	415.1	417.0	411.3
32.5°	387.1	391.9	401.7	403.3	397.7
35°	371.2	377.0	385.9	388.6	382.3
37.5°	354.9	360.6	370.7	373.1	366.4
40°	338.1	343.7	353.7	355.7	349.2
42.5°	320.9	326.5	337.2	337.5	332.1
45°	303.3	308.7	318.6	318.9	312.6
47.5°	285.5	290.9	299.8	298.8	292.9
50°	267.5	272.6	280.4	278.4	273.0
52.5°	248.8	253.8	261.1	257.9	252.8
55°	230.0	234.6	240.8	237.3	233.4
57.5°	211.1	215.7	220.4	216.9	213.5
60°	192.0	196.1	199.9	196.3	193.7
62.5°	172.5	176.1	179.4	176.0	173.5
65°	152.9	156.0	158.8	155.6	153.0
67.5°	133.4	136.0	138.6	135.3	132.6
70°	113.9	116.1	118.5	115.1	112.6
72.5°	94.6	96.6	98.7	95.4	93.2
75°	75.9	77.6	79.3	76.4	74.7
77.5°	58.0	59.5	60.6	58.8	57.1
80°	41.4	42.5	43.2	42.4	40.9
82.5°	26.6	27.4	27.8	27.7	26.7
85°	14.5	14.7	15.4	15.6	15.0
87.5°	5.6	6.0	6.1	6.6	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)