

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: P490002

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-40-120-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: P490002
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-LD4-2STD-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

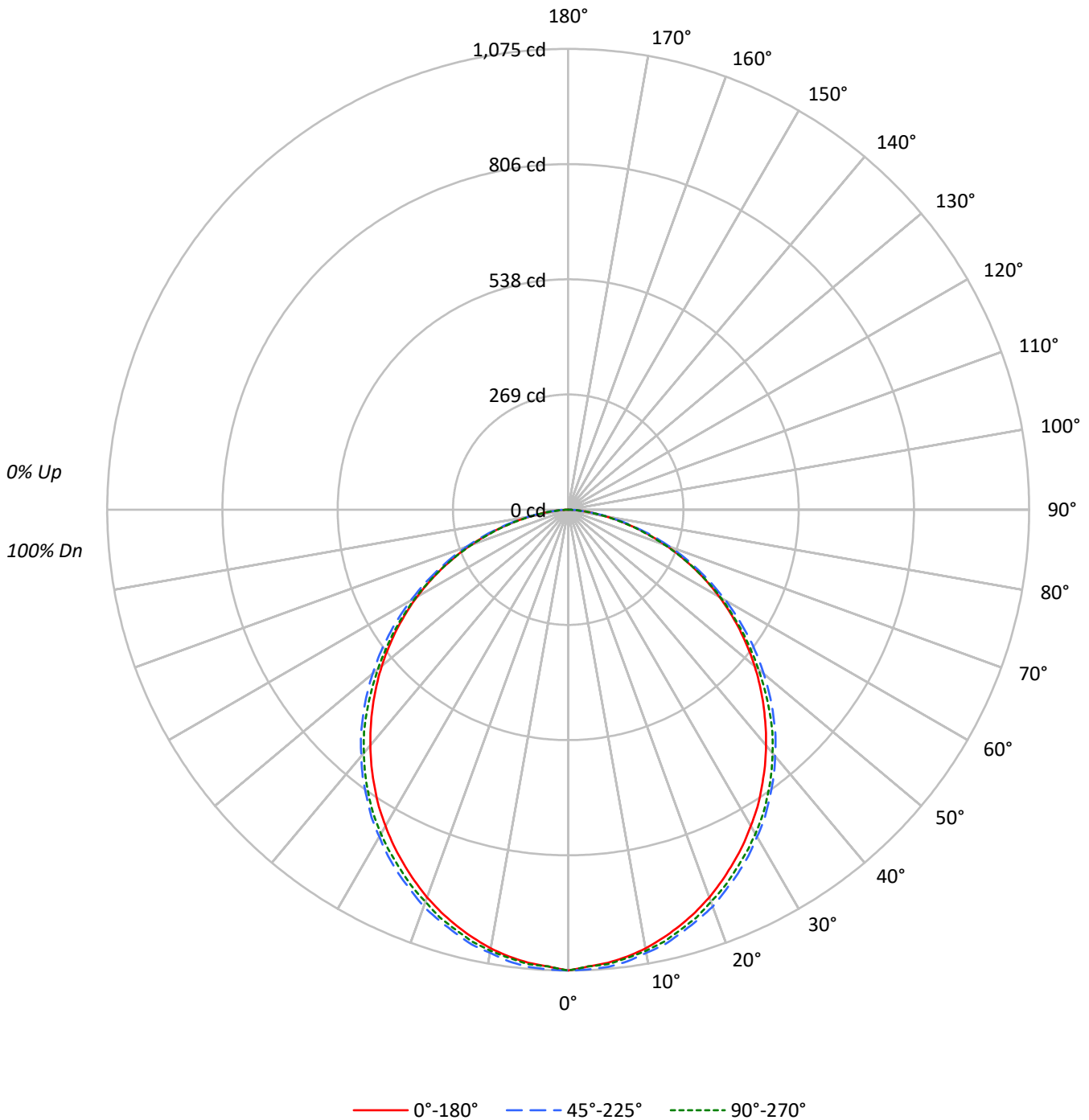
Lumens per Lamp: N/A
Luminaire Lumens: 2825.9 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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°	5785	5785	5785
5°	5732	5785	5749
10°	5679	5737	5709
15°	5600	5690	5651
20°	5512	5643	5575
25°	5404	5562	5498
30°	5295	5475	5425
35°	5176	5382	5332
40°	5042	5274	5207
45°	4900	5147	5050
50°	4753	4983	4852
55°	4581	4795	4647
60°	4385	4567	4426
65°	4132	4292	4136
70°	3803	3956	3761
75°	3348	3500	3298
80°	2721	2839	2690
85°	1896	2019	1970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	3.6
10°-20°	286.9	10.2
20°-30°	427.8	15.1
30°-40°	507.0	17.9
40°-50°	513.0	18.2
50°-60°	448.0	15.9
60°-70°	327.4	11.6
70°-80°	174.2	6.2
80°-90°	40.3	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°	815.9	28.9
0°-40°	1323.0	46.8
0°-60°	2284.0	80.8
0°-90°	2825.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2825.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1061	1063	1071	1073	1064	101
15°	1005	1012	1021	1028	1014	283
25°	910	921	937	940	926	419
35°	788	800	819	825	812	493
45°	644	655	676	677	664	497
55°	488	498	511	504	495	436
65°	324	331	337	330	325	321
75°	161	165	168	162	159	171
85°	31	31	33	33	32	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.9	1074.9	1074.9	1074.9	1074.9
2.5°	1066.5	1069.9	1073.5	1075.1	1066.4
5°	1060.9	1062.9	1070.8	1073.3	1064.2
7.5°	1051.7	1054.7	1062.4	1063.6	1054.8
10°	1039.1	1044.5	1049.7	1055.3	1044.6
12.5°	1023.1	1030.4	1039.1	1040.2	1032.1
15°	1005.1	1011.8	1021.3	1027.5	1014.2
17.5°	984.9	991.4	1003.8	1004.9	996.8
20°	962.4	970.5	985.3	987.9	973.4
22.5°	936.9	947.8	960.1	962.5	951.9
25°	910.1	921.3	936.6	940.0	925.8
27.5°	882.1	892.9	910.0	912.5	900.5
30°	852.1	862.2	881.0	885.2	873.0
32.5°	821.7	831.7	852.6	856.0	844.2
35°	787.8	800.2	819.1	824.8	811.5
37.5°	753.4	765.3	786.8	792.0	777.7
40°	717.6	729.5	750.7	754.9	741.1
42.5°	681.1	693.0	715.6	716.3	704.9
45°	643.8	655.2	676.3	676.9	663.5
47.5°	606.0	617.5	636.3	634.2	621.7
50°	567.7	578.6	595.1	590.9	579.5
52.5°	528.0	538.7	554.2	547.3	536.7
55°	488.2	498.0	511.0	503.6	495.3
57.5°	448.0	457.9	467.9	460.4	453.2
60°	407.4	416.2	424.3	416.7	411.2
62.5°	366.2	373.7	380.8	373.5	368.3
65°	324.5	331.2	337.0	330.3	324.8
67.5°	283.1	288.7	294.1	287.1	281.4
70°	241.7	246.5	251.4	244.2	239.0
72.5°	200.8	205.1	209.4	202.5	197.9
75°	161.0	164.7	168.3	162.2	158.6
77.5°	123.1	126.2	128.7	124.8	121.3
80°	87.8	90.2	91.6	90.0	86.8
82.5°	56.4	58.1	58.9	58.8	56.7
85°	30.7	31.2	32.7	33.0	31.9
87.5°	11.9	12.7	13.0	14.0	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)