

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: P489941

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-35-120-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: P489941
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-LD4-1HI-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

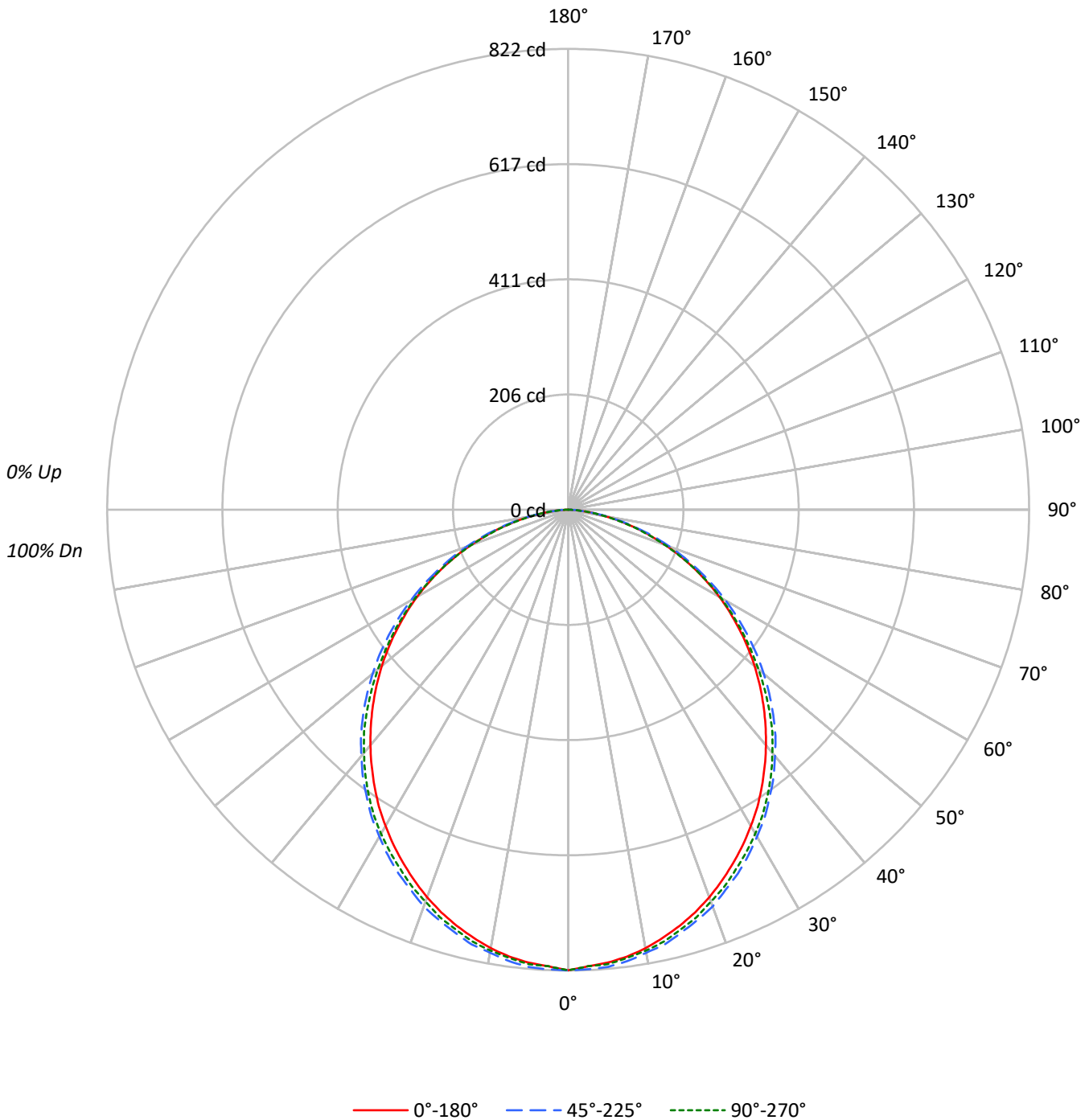
Lumens per Lamp: N/A
Luminaire Lumens: 2160.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	4422	4422	4422
5°	4381	4422	4395
10°	4341	4385	4364
15°	4281	4350	4319
20°	4213	4313	4261
25°	4131	4251	4203
30°	4048	4185	4147
35°	3957	4114	4075
40°	3854	4031	3980
45°	3745	3934	3860
50°	3633	3809	3709
55°	3501	3665	3552
60°	3352	3491	3383
65°	3160	3280	3161
70°	2906	3024	2875
75°	2560	2676	2520
80°	2080	2170	2055
85°	1451	1544	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	3.6
10°-20°	219.3	10.2
20°-30°	327.0	15.1
30°-40°	387.5	17.9
40°-50°	392.1	18.2
50°-60°	342.5	15.9
60°-70°	250.3	11.6
70°-80°	133.2	6.2
80°-90°	30.8	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°	623.7	28.9
0°-40°	1011.2	46.8
0°-60°	1745.8	80.8
0°-90°	2160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	811	812	818	820	814	77
15°	768	773	781	785	775	217
25°	696	704	716	718	708	321
35°	602	612	626	630	620	377
45°	492	501	517	517	507	380
55°	373	381	391	385	379	334
65°	248	253	258	252	248	245
75°	123	126	129	124	121	131
85°	24	24	25	25	24	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.6	821.6	821.6	821.6	821.6
2.5°	815.2	817.8	820.6	821.8	815.1
5°	810.9	812.4	818.5	820.4	813.5
7.5°	803.9	806.2	812.1	812.9	806.3
10°	794.3	798.4	802.3	806.6	798.5
12.5°	782.0	787.6	794.3	795.1	788.9
15°	768.3	773.4	780.7	785.4	775.2
17.5°	752.9	757.8	767.2	768.1	761.9
20°	735.6	741.8	753.1	755.1	744.0
22.5°	716.1	724.4	733.8	735.7	727.6
25°	695.7	704.2	715.9	718.5	707.7
27.5°	674.3	682.5	695.6	697.5	688.3
30°	651.3	659.0	673.4	676.6	667.3
32.5°	628.0	635.7	651.7	654.3	645.3
35°	602.2	611.6	626.1	630.4	620.3
37.5°	575.8	585.0	601.4	605.4	594.4
40°	548.5	557.6	573.8	577.0	566.5
42.5°	520.6	529.7	547.0	547.5	538.8
45°	492.1	500.8	516.9	517.4	507.2
47.5°	463.2	472.0	486.4	484.8	475.2
50°	433.9	442.3	454.9	451.6	443.0
52.5°	403.6	411.7	423.6	418.3	410.2
55°	373.1	380.7	390.6	384.9	378.6
57.5°	342.4	350.0	357.6	351.9	346.4
60°	311.4	318.1	324.3	318.5	314.3
62.5°	279.9	285.6	291.0	285.5	281.5
65°	248.1	253.1	257.6	252.4	248.2
67.5°	216.4	220.7	224.8	219.5	215.1
70°	184.7	188.4	192.2	186.7	182.7
72.5°	153.5	156.7	160.1	154.8	151.3
75°	123.1	125.9	128.7	123.9	121.2
77.5°	94.1	96.5	98.4	95.4	92.7
80°	67.1	68.9	70.0	68.8	66.3
82.5°	43.1	44.4	45.0	44.9	43.3
85°	23.5	23.9	25.0	25.3	24.4
87.5°	9.1	9.7	9.9	10.7	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)