

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: P489939

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-30-120-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: P489939
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-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

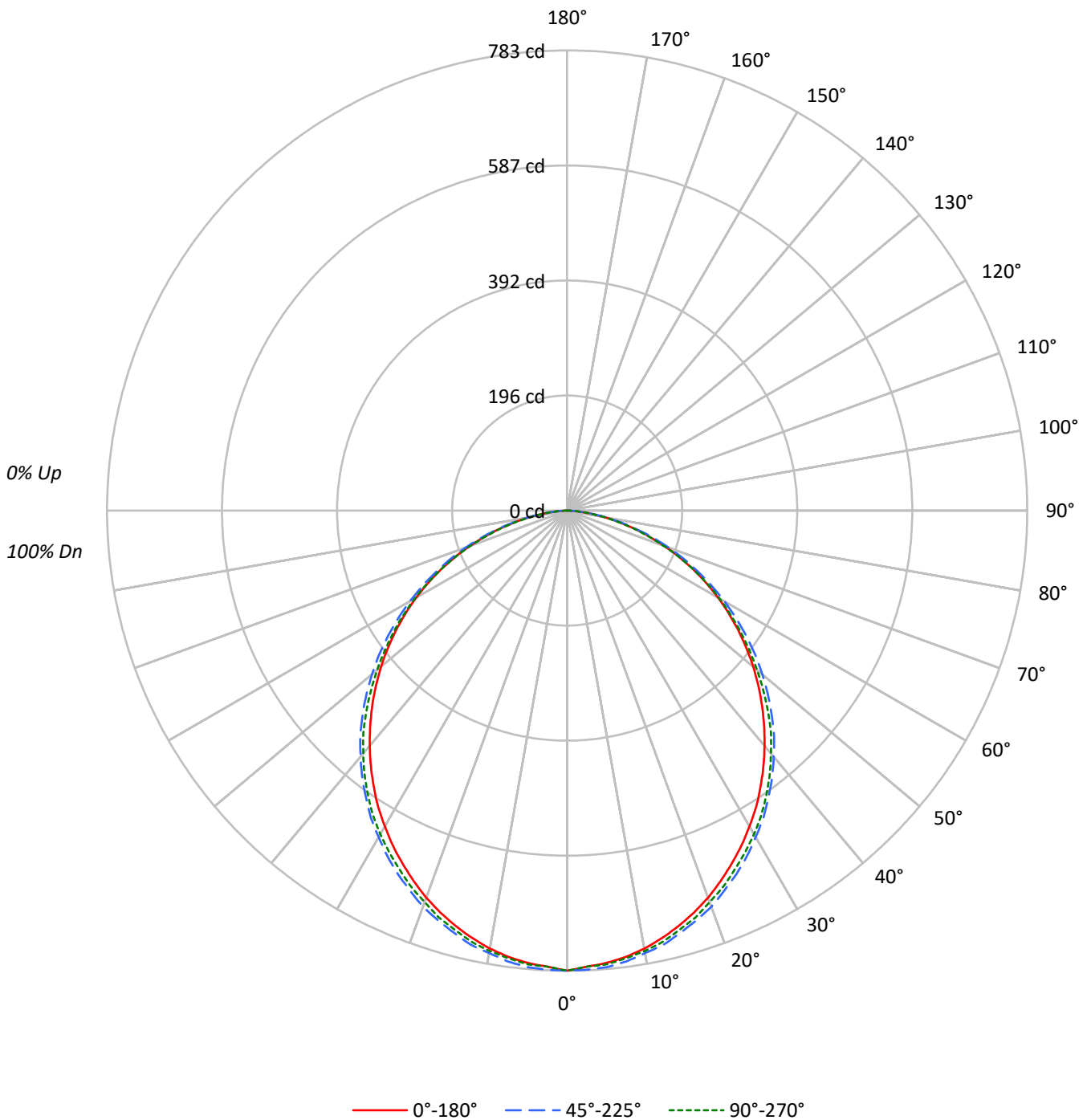
Lumens per Lamp: N/A
Luminaire Lumens: 2058.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	4213	4213	4213
5°	4174	4213	4187
10°	4136	4177	4158
15°	4079	4144	4115
20°	4014	4109	4060
25°	3936	4051	4004
30°	3857	3987	3951
35°	3770	3919	3883
40°	3672	3841	3792
45°	3569	3749	3678
50°	3461	3629	3534
55°	3336	3491	3385
60°	3194	3326	3224
65°	3011	3125	3012
70°	2769	2881	2738
75°	2439	2549	2402
80°	1980	2067	1959
85°	1377	1470	1433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	3.6
10°-20°	208.9	10.2
20°-30°	311.6	15.1
30°-40°	369.2	17.9
40°-50°	373.6	18.2
50°-60°	326.3	15.9
60°-70°	238.5	11.6
70°-80°	126.9	6.2
80°-90°	29.3	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°	594.2	28.9
0°-40°	963.5	46.8
0°-60°	1663.4	80.8
0°-90°	2058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	773	774	780	782	775	73
15°	732	737	744	748	739	206
25°	663	671	682	685	674	305
35°	574	583	596	601	591	359
45°	469	477	492	493	483	362
55°	356	363	372	367	361	318
65°	236	241	245	240	236	234
75°	117	120	123	118	116	125
85°	22	23	24	24	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.8	782.8	782.8	782.8	782.8
2.5°	776.7	779.2	781.8	783.0	776.6
5°	772.6	774.1	779.9	781.6	775.0
7.5°	765.9	768.1	773.7	774.6	768.2
10°	756.8	760.7	764.4	768.5	760.8
12.5°	745.1	750.4	756.8	757.5	751.6
15°	732.0	736.9	743.8	748.3	738.6
17.5°	717.3	722.0	731.0	731.8	725.9
20°	700.9	706.8	717.5	719.4	708.9
22.5°	682.3	690.2	699.2	701.0	693.2
25°	662.8	671.0	682.1	684.6	674.2
27.5°	642.4	650.3	662.7	664.5	655.8
30°	620.6	627.9	641.6	644.6	635.7
32.5°	598.4	605.7	620.9	623.4	614.8
35°	573.8	582.7	596.5	600.7	591.0
37.5°	548.6	557.4	573.0	576.8	566.3
40°	522.6	531.3	546.7	549.8	539.7
42.5°	496.0	504.7	521.2	521.6	513.3
45°	468.9	477.2	492.5	492.9	483.2
47.5°	441.3	449.7	463.4	461.9	452.7
50°	413.4	421.4	433.4	430.3	422.1
52.5°	384.5	392.3	403.6	398.6	390.8
55°	355.5	362.7	372.1	366.8	360.7
57.5°	326.2	333.5	340.7	335.3	330.1
60°	296.7	303.1	309.0	303.5	299.5
62.5°	266.7	272.2	277.3	272.0	268.2
65°	236.4	241.2	245.4	240.5	236.5
67.5°	206.2	210.3	214.2	209.1	205.0
70°	176.0	179.5	183.1	177.9	174.0
72.5°	146.2	149.3	152.5	147.5	144.1
75°	117.3	120.0	122.6	118.1	115.5
77.5°	89.6	91.9	93.7	90.9	88.3
80°	63.9	65.7	66.7	65.6	63.2
82.5°	41.1	42.3	42.9	42.8	41.3
85°	22.3	22.8	23.8	24.1	23.2
87.5°	8.6	9.2	9.5	10.2	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)