

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: P489995

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-20-120-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: P489995
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-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

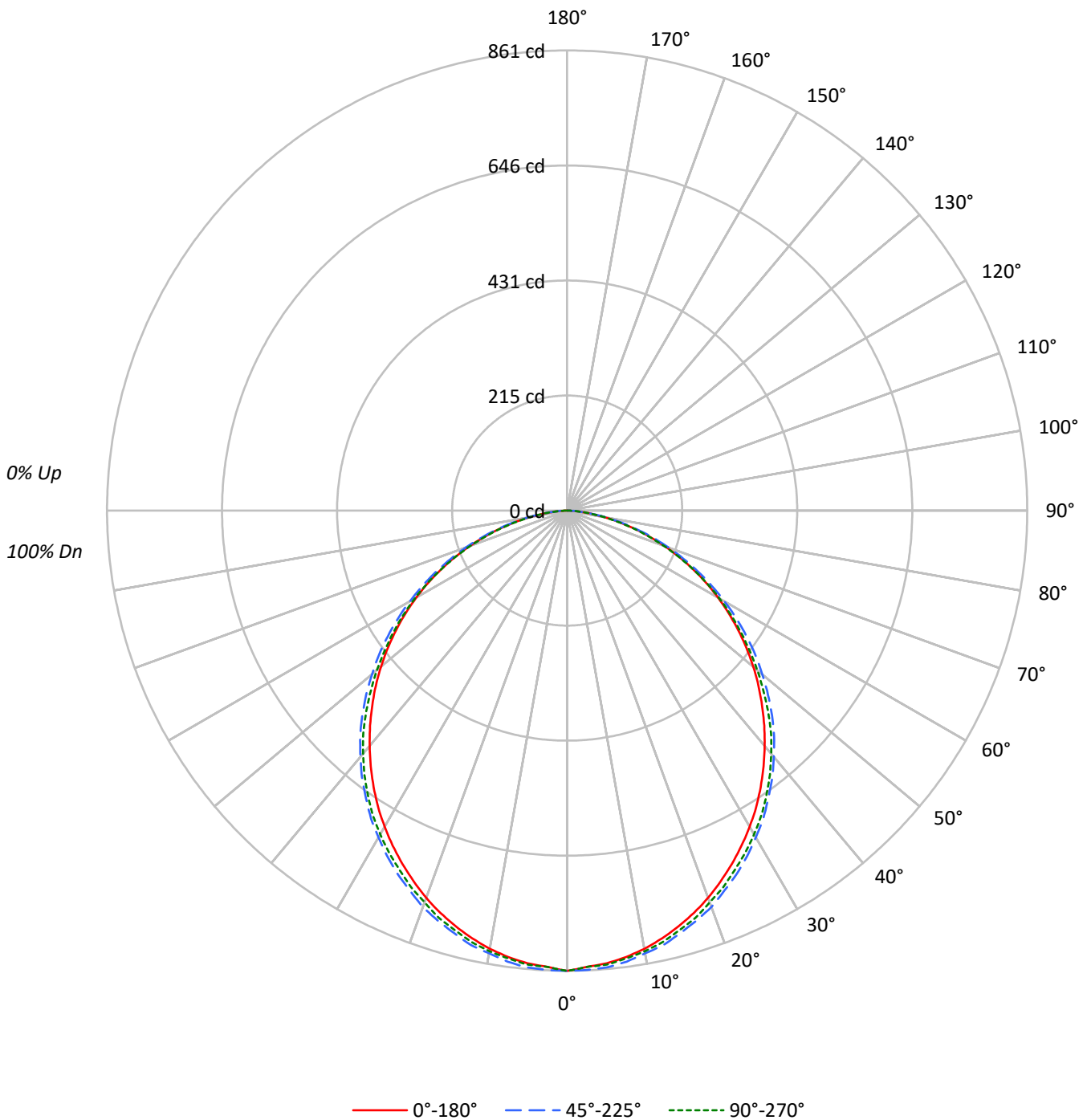
Lumens per Lamp: N/A
Luminaire Lumens: 2264.4 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4635	4635	4635
5°	4593	4636	4607
10°	4551	4597	4575
15°	4488	4560	4528
20°	4417	4522	4467
25°	4331	4457	4406
30°	4243	4387	4347
35°	4148	4312	4272
40°	4040	4226	4173
45°	3927	4125	4047
50°	3809	3993	3888
55°	3671	3842	3724
60°	3514	3660	3547
65°	3312	3438	3314
70°	3048	3171	3013
75°	2682	2805	2643
80°	2182	2275	2154
85°	1519	1618	1581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.6
10°-20°	229.9	10.2
20°-30°	342.8	15.1
30°-40°	406.3	17.9
40°-50°	411.1	18.2
50°-60°	359.0	15.9
60°-70°	262.4	11.6
70°-80°	139.6	6.2
80°-90°	32.3	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°	653.8	28.9
0°-40°	1060.1	46.8
0°-60°	1830.2	80.8
0°-90°	2264.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	850	852	858	860	853	81
15°	805	811	818	823	813	227
25°	729	738	750	753	742	336
35°	631	641	656	661	650	395
45°	516	525	542	542	532	398
55°	391	399	410	404	397	350
65°	260	265	270	265	260	257
75°	129	132	135	130	127	137
85°	25	25	26	26	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	861.3	861.3	861.3	861.3	861.3
2.5°	854.6	857.3	860.2	861.5	854.5
5°	850.1	851.7	858.1	860.0	852.8
7.5°	842.7	845.1	851.3	852.2	845.2
10°	832.7	837.0	841.1	845.6	837.1
12.5°	819.8	825.7	832.7	833.5	827.0
15°	805.4	810.8	818.4	823.3	812.7
17.5°	789.2	794.4	804.3	805.2	798.8
20°	771.2	777.7	789.5	791.6	780.0
22.5°	750.7	759.4	769.3	771.3	762.8
25°	729.3	738.3	750.5	753.3	741.9
27.5°	706.9	715.5	729.2	731.2	721.6
30°	682.8	690.9	706.0	709.3	699.5
32.5°	658.4	666.5	683.2	686.0	676.4
35°	631.3	641.2	656.3	660.9	650.2
37.5°	603.7	613.3	630.5	634.6	623.1
40°	575.0	584.5	601.5	604.9	593.9
42.5°	545.8	555.3	573.4	574.0	564.8
45°	515.9	525.1	541.9	542.4	531.7
47.5°	485.6	494.8	509.9	508.2	498.1
50°	454.9	463.7	476.9	473.5	464.4
52.5°	423.1	431.6	444.1	438.5	430.0
55°	391.2	399.1	409.5	403.5	396.9
57.5°	358.9	366.9	374.9	368.9	363.2
60°	326.5	333.5	340.0	333.9	329.5
62.5°	293.4	299.5	305.1	299.3	295.1
65°	260.1	265.4	270.0	264.6	260.2
67.5°	226.9	231.3	235.6	230.1	225.5
70°	193.7	197.5	201.5	195.7	191.5
72.5°	160.9	164.3	167.8	162.2	158.6
75°	129.0	132.0	134.9	129.9	127.1
77.5°	98.6	101.1	103.1	100.0	97.2
80°	70.4	72.2	73.4	72.1	69.5
82.5°	45.2	46.6	47.2	47.1	45.4
85°	24.6	25.0	26.2	26.5	25.6
87.5°	9.5	10.1	10.4	11.2	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)