

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: P488343

Luminaire Tested: **CLM-12-2-INS-A12125-LD4-1STD-30-120-EDD**

Issue Date: 3/11/2021

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: P488343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/11/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: CLM-12-2-INS-A12125-LD4-1STD-30-120-EDD
Description: 1X2 CLM LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

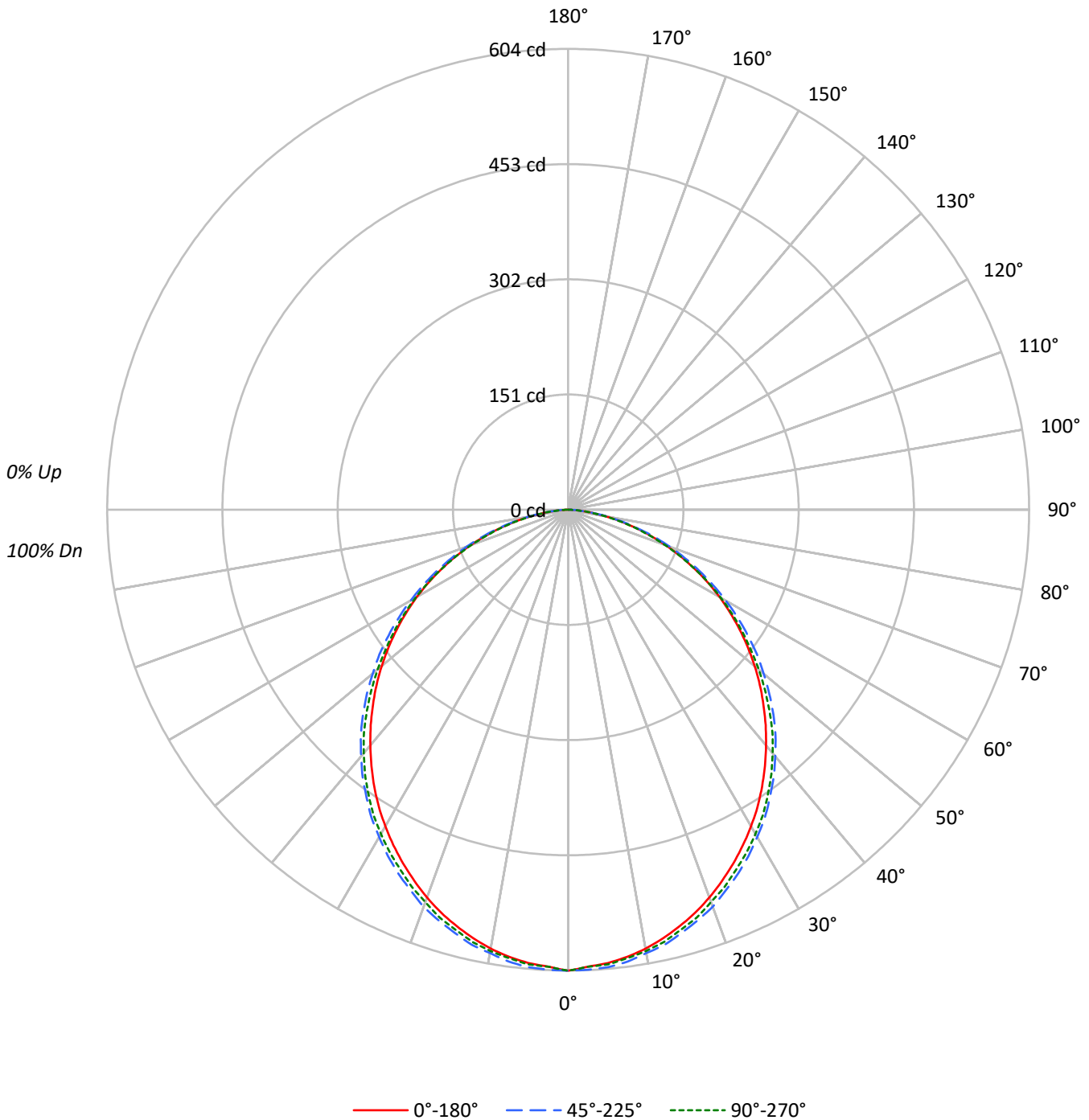
Lumens per Lamp: N/A
Luminaire Lumens: 1588.6 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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°	3252	3252	3252
5°	3222	3252	3232
10°	3193	3225	3209
15°	3148	3199	3176
20°	3099	3172	3134
25°	3038	3127	3091
30°	2977	3078	3049
35°	2910	3026	2997
40°	2834	2965	2927
45°	2755	2894	2839
50°	2672	2801	2728
55°	2575	2696	2613
60°	2465	2567	2489
65°	2323	2412	2325
70°	2138	2223	2113
75°	1882	1967	1853
80°	1531	1596	1512
85°	1062	1136	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	3.6
10°-20°	161.3	10.2
20°-30°	240.5	15.1
30°-40°	285.0	17.9
40°-50°	288.4	18.2
50°-60°	251.9	15.9
60°-70°	184.1	11.6
70°-80°	97.9	6.2
80°-90°	22.6	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°	458.7	28.9
0°-40°	743.7	46.8
0°-60°	1284.0	80.8
0°-90°	1588.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	596	598	602	603	598	57
15°	565	569	574	578	570	159
25°	512	518	526	528	520	236
35°	443	450	460	464	456	277
45°	362	368	380	380	373	279
55°	274	280	287	283	278	245
65°	182	186	189	186	183	181
75°	90	93	95	91	89	96
85°	17	18	18	19	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	604.2	604.2	604.2	604.2	604.2
2.5°	599.5	601.5	603.5	604.4	599.5
5°	596.4	597.5	602.0	603.4	598.3
7.5°	591.2	592.9	597.3	597.9	593.0
10°	584.2	587.2	590.1	593.2	587.2
12.5°	575.2	579.3	584.2	584.7	580.2
15°	565.0	568.8	574.2	577.6	570.1
17.5°	553.7	557.3	564.3	564.9	560.4
20°	541.0	545.6	553.9	555.3	547.2
22.5°	526.7	532.8	539.7	541.1	535.1
25°	511.6	517.9	526.5	528.4	520.5
27.5°	495.9	501.9	511.6	513.0	506.2
30°	479.0	484.7	495.3	497.6	490.7
32.5°	461.9	467.6	479.3	481.2	474.6
35°	442.9	449.8	460.5	463.7	456.2
37.5°	423.5	430.2	442.3	445.2	437.2
40°	403.4	410.1	422.0	424.4	416.6
42.5°	382.9	389.6	402.3	402.7	396.2
45°	361.9	368.4	380.2	380.5	373.0
47.5°	340.7	347.1	357.7	356.5	349.5
50°	319.1	325.3	334.5	332.2	325.8
52.5°	296.8	302.8	311.6	307.7	301.7
55°	274.4	280.0	287.3	283.1	278.5
57.5°	251.8	257.4	263.0	258.8	254.8
60°	229.0	233.9	238.5	234.3	231.2
62.5°	205.9	210.1	214.0	210.0	207.1
65°	182.4	186.2	189.4	185.7	182.6
67.5°	159.2	162.3	165.3	161.4	158.2
70°	135.9	138.6	141.3	137.3	134.3
72.5°	112.9	115.3	117.7	113.8	111.2
75°	90.5	92.6	94.6	91.2	89.1
77.5°	69.2	71.0	72.3	70.1	68.2
80°	49.4	50.7	51.5	50.6	48.8
82.5°	31.7	32.7	33.1	33.1	31.9
85°	17.2	17.6	18.4	18.6	17.9
87.5°	6.7	7.1	7.3	7.9	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)