

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: P488368

Luminaire Tested: **CLM-12-2-INS-A12125-LD4-2LO-35-120-EDD-90**

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: P488368
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-LD4-2LO-35-120-EDD-90
Description: 1X2 CLM LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

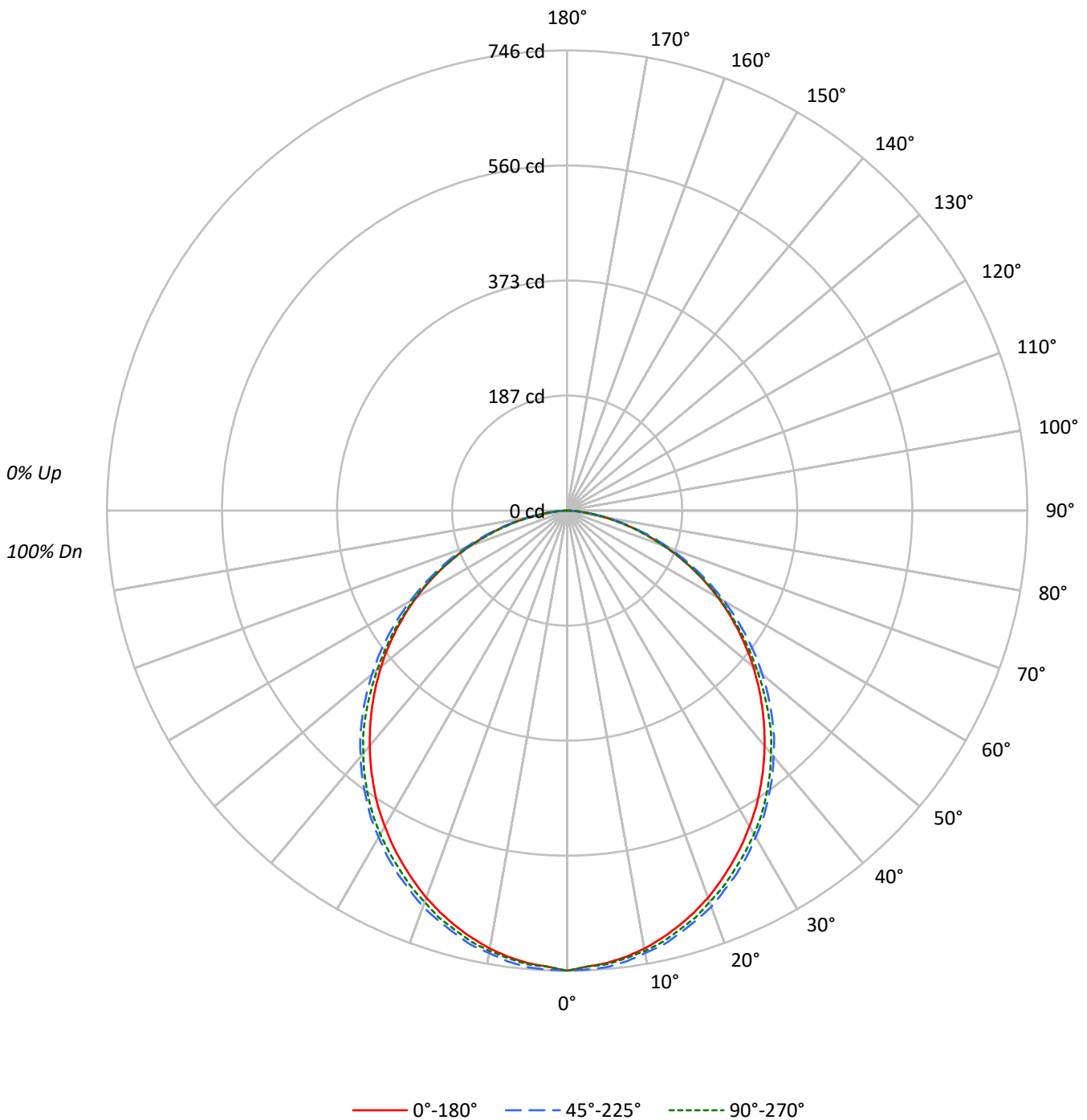
Lumens per Lamp: N/A
Luminaire Lumens: 1960.7 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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°	4014	4014	4014
5°	3977	4014	3989
10°	3940	3980	3961
15°	3886	3948	3921
20°	3825	3915	3868
25°	3750	3859	3815
30°	3674	3799	3764
35°	3591	3734	3699
40°	3498	3659	3613
45°	3400	3571	3504
50°	3298	3457	3367
55°	3178	3327	3225
60°	3043	3169	3071
65°	2868	2977	2869
70°	2639	2744	2609
75°	2323	2429	2287
80°	1888	1971	1866
85°	1315	1402	1365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	3.6
10°-20°	199.0	10.2
20°-30°	296.9	15.1
30°-40°	351.8	17.9
40°-50°	355.9	18.2
50°-60°	310.9	15.9
60°-70°	227.2	11.6
70°-80°	120.9	6.2
80°-90°	27.9	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°	566.1	28.9
0°-40°	917.9	46.8
0°-60°	1584.7	80.8
0°-90°	1960.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	736	738	743	745	738	70
15°	697	702	709	713	704	197
25°	632	639	650	652	642	291
35°	547	555	568	572	563	342
45°	447	455	469	470	460	345
55°	339	346	355	349	344	303
65°	225	230	234	229	225	223
75°	112	114	117	112	110	119
85°	21	22	23	23	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.8	745.8	745.8	745.8	745.8
2.5°	740.0	742.4	744.8	745.9	739.9
5°	736.1	737.5	743.0	744.7	738.4
7.5°	729.7	731.8	737.2	737.9	731.9
10°	721.0	724.7	728.3	732.2	724.8
12.5°	709.9	714.9	721.0	721.7	716.1
15°	697.4	702.0	708.6	712.9	703.7
17.5°	683.4	687.9	696.4	697.2	691.6
20°	667.8	673.4	683.6	685.4	675.4
22.5°	650.1	657.6	666.1	667.8	660.5
25°	631.5	639.3	649.8	652.2	642.4
27.5°	612.1	619.5	631.4	633.1	624.8
30°	591.2	598.2	611.3	614.2	605.7
32.5°	570.1	577.1	591.5	594.0	585.7
35°	546.6	555.2	568.3	572.3	563.0
37.5°	522.7	531.0	545.9	549.5	539.6
40°	497.9	506.1	520.8	523.8	514.2
42.5°	472.6	480.8	496.5	497.0	489.1
45°	446.7	454.6	469.2	469.6	460.4
47.5°	420.4	428.4	441.5	440.0	431.3
50°	393.9	401.5	412.9	410.0	402.1
52.5°	366.4	373.7	384.5	379.7	372.3
55°	338.7	345.5	354.6	349.4	343.7
57.5°	310.8	317.7	324.6	319.4	314.5
60°	282.7	288.7	294.4	289.1	285.3
62.5°	254.1	259.3	264.2	259.1	255.6
65°	225.2	229.8	233.8	229.1	225.3
67.5°	196.4	200.3	204.0	199.2	195.3
70°	167.7	171.0	174.4	169.5	165.8
72.5°	139.3	142.3	145.3	140.5	137.3
75°	111.7	114.3	116.8	112.5	110.0
77.5°	85.4	87.6	89.3	86.6	84.2
80°	60.9	62.5	63.6	62.5	60.2
82.5°	39.2	40.3	40.9	40.8	39.3
85°	21.3	21.7	22.7	22.9	22.1
87.5°	8.2	8.8	9.0	9.7	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)