

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: P489996

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-27-120-EDD-90**

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: P489996
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

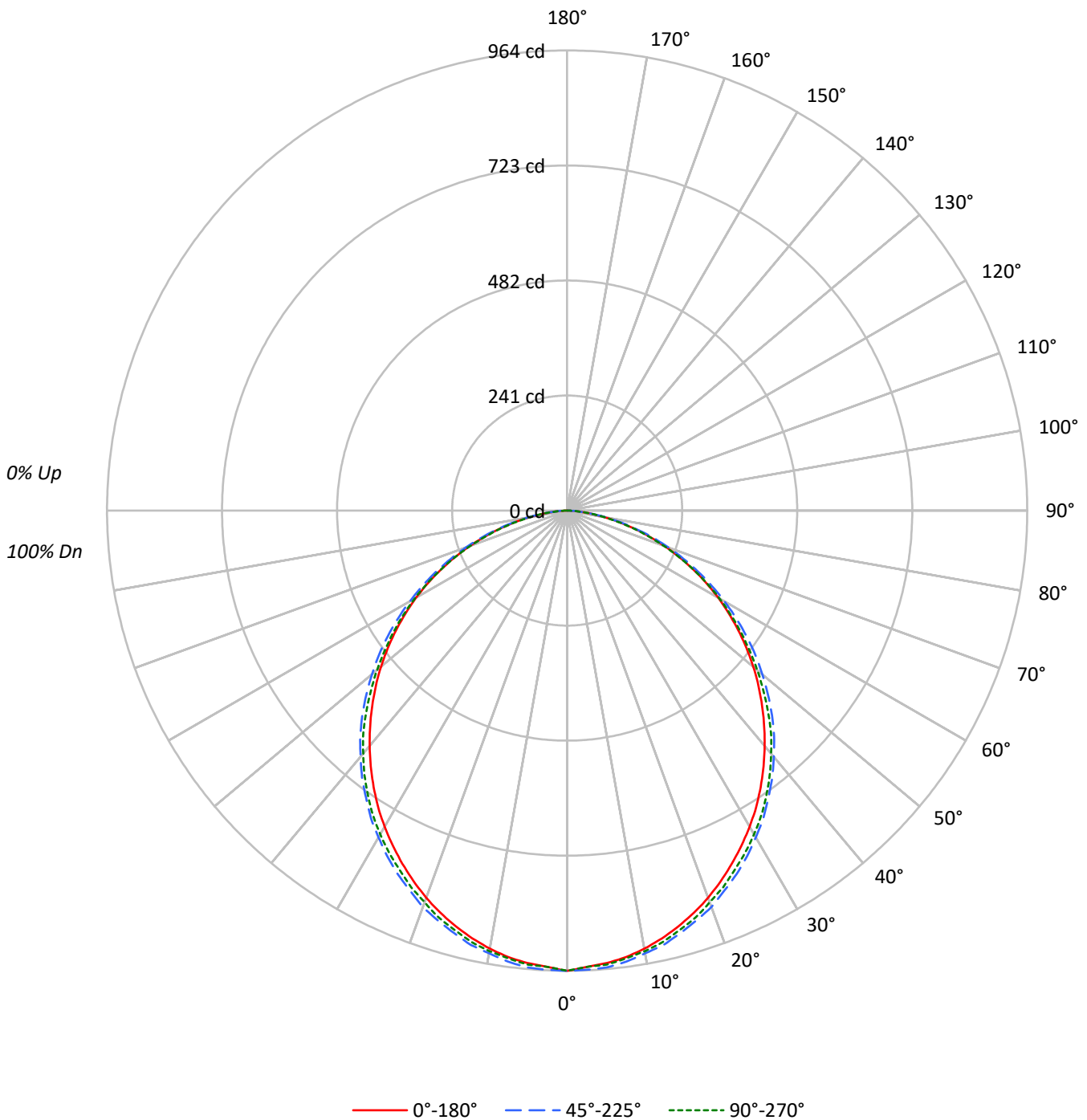
Lumens per Lamp: N/A
Luminaire Lumens: 2534.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	5189	5189	5189
5°	5141	5190	5157
10°	5094	5146	5121
15°	5024	5105	5069
20°	4944	5062	5001
25°	4848	4989	4932
30°	4750	4911	4867
35°	4643	4827	4782
40°	4522	4731	4671
45°	4395	4618	4530
50°	4263	4469	4353
55°	4109	4301	4169
60°	3934	4097	3971
65°	3707	3850	3710
70°	3412	3548	3374
75°	3005	3140	2957
80°	2442	2548	2414
85°	1698	1809	1766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	3.6
10°-20°	257.3	10.2
20°-30°	383.8	15.1
30°-40°	454.8	17.9
40°-50°	460.2	18.2
50°-60°	401.9	15.9
60°-70°	293.7	11.6
70°-80°	156.3	6.2
80°-90°	36.1	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°	731.9	28.9
0°-40°	1186.7	46.8
0°-60°	2048.8	80.8
0°-90°	2534.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	952	953	961	963	955	90
15°	902	908	916	922	910	254
25°	816	826	840	843	830	376
35°	707	718	735	740	728	442
45°	578	588	607	607	595	446
55°	438	447	458	452	444	391
65°	291	297	302	296	291	288
75°	144	148	151	146	142	154
85°	28	28	29	30	29	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.2	964.2	964.2	964.2	964.2
2.5°	956.7	959.8	963.0	964.4	956.6
5°	951.6	953.4	960.6	962.8	954.6
7.5°	943.4	946.1	953.0	954.0	946.2
10°	932.1	937.0	941.6	946.6	937.1
12.5°	917.8	924.3	932.1	933.0	925.8
15°	901.6	907.6	916.2	921.7	909.7
17.5°	883.5	889.3	900.4	901.4	894.2
20°	863.3	870.6	883.8	886.1	873.2
22.5°	840.4	850.2	861.2	863.4	853.9
25°	816.4	826.5	840.1	843.2	830.5
27.5°	791.3	800.9	816.3	818.5	807.8
30°	764.4	773.4	790.3	794.0	783.1
32.5°	737.1	746.1	764.8	767.9	757.2
35°	706.7	717.8	734.7	739.9	727.9
37.5°	675.8	686.5	705.8	710.4	697.6
40°	643.7	654.4	673.4	677.2	664.8
42.5°	611.0	621.6	641.9	642.5	632.3
45°	577.5	587.8	606.7	607.2	595.2
47.5°	543.6	553.9	570.8	568.9	557.6
50°	509.2	519.1	533.8	530.0	519.9
52.5°	473.7	483.2	497.2	490.9	481.4
55°	437.9	446.7	458.4	451.8	444.3
57.5°	401.8	410.8	419.7	413.0	406.5
60°	365.5	373.3	380.6	373.8	368.9
62.5°	328.5	335.2	341.6	335.0	330.4
65°	291.1	297.1	302.3	296.2	291.3
67.5°	254.0	259.0	263.8	257.6	252.4
70°	216.8	221.1	225.5	219.1	214.4
72.5°	180.1	183.9	187.9	181.6	177.5
75°	144.5	147.8	151.0	145.5	142.2
77.5°	110.4	113.2	115.4	111.9	108.8
80°	78.8	80.9	82.2	80.8	77.9
82.5°	50.6	52.1	52.8	52.7	50.8
85°	27.5	28.0	29.3	29.6	28.6
87.5°	10.6	11.4	11.7	12.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)