

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: P489994

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-20-120-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: P489994
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-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

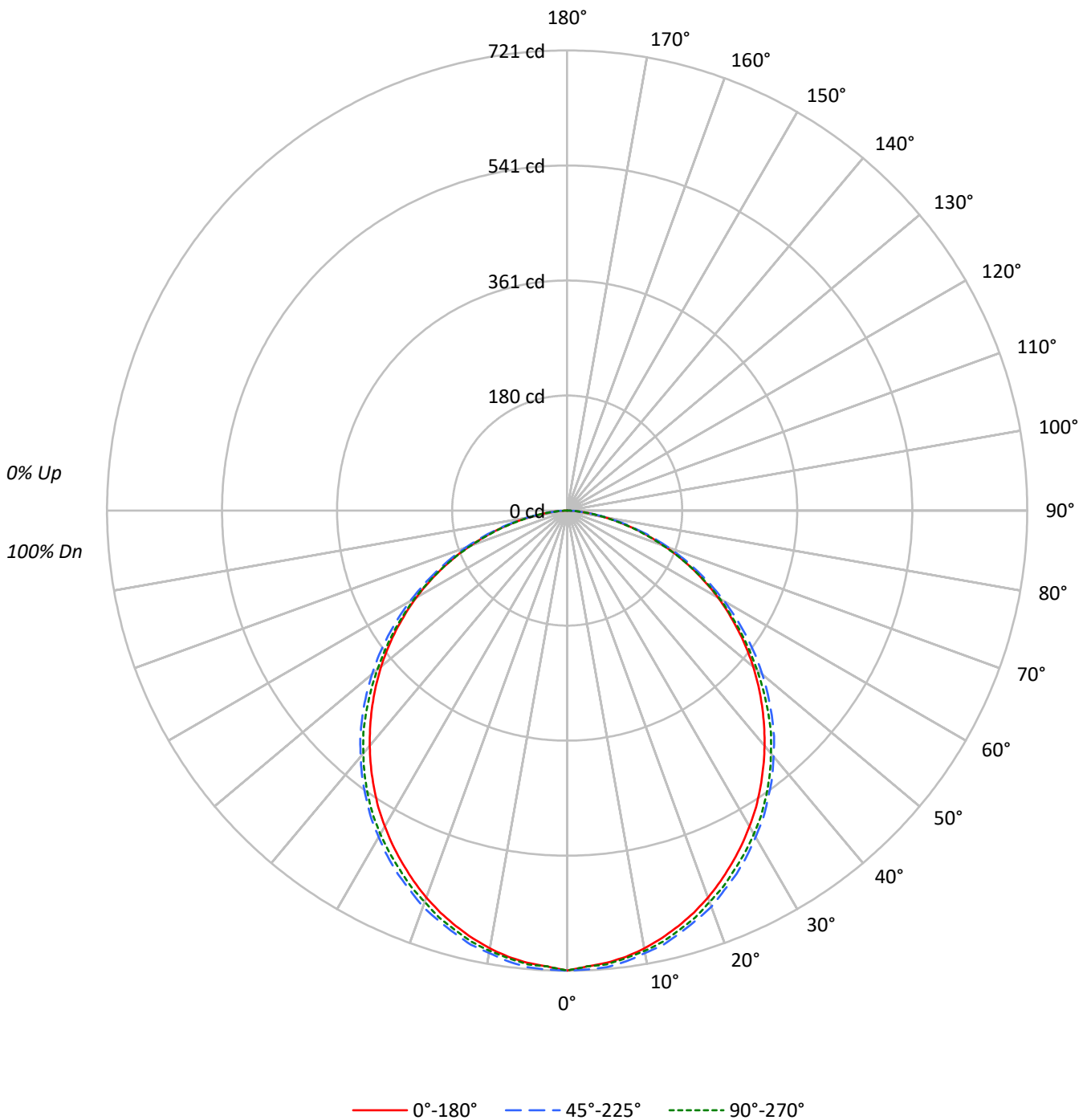
Lumens per Lamp: N/A
Luminaire Lumens: 1894.7 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85					85			
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60					60			
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51					51			
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45					45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39					39			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3879	3879	3879
5°	3843	3879	3855
10°	3807	3846	3828
15°	3755	3816	3789
20°	3696	3783	3738
25°	3624	3729	3686
30°	3550	3671	3637
35°	3470	3608	3575
40°	3381	3536	3491
45°	3286	3451	3386
50°	3187	3341	3254
55°	3071	3215	3116
60°	2941	3062	2968
65°	2771	2877	2772
70°	2549	2653	2521
75°	2246	2348	2210
80°	1826	1903	1804
85°	1272	1352	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.6
10°-20°	192.3	10.2
20°-30°	286.9	15.1
30°-40°	339.9	17.9
40°-50°	344.0	18.2
50°-60°	300.4	15.9
60°-70°	219.5	11.6
70°-80°	116.8	6.2
80°-90°	27.0	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°	547.1	28.9
0°-40°	887.0	46.8
0°-60°	1531.4	80.8
0°-90°	1894.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	711	713	718	720	714	67
15°	674	678	685	689	680	190
25°	610	618	628	630	621	281
35°	528	536	549	553	544	330
45°	432	439	453	454	445	333
55°	327	334	343	338	332	293
65°	218	222	226	221	218	215
75°	108	110	113	109	106	115
85°	21	21	22	22	21	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720.7	720.7	720.7	720.7	720.7
2.5°	715.0	717.4	719.8	720.8	715.0
5°	711.3	712.6	718.0	719.6	713.5
7.5°	705.1	707.2	712.3	713.1	707.2
10°	696.7	700.3	703.8	707.5	700.4
12.5°	686.0	690.9	696.7	697.4	692.0
15°	673.9	678.4	684.8	688.9	680.0
17.5°	660.4	664.7	673.0	673.7	668.3
20°	645.3	650.7	660.6	662.3	652.6
22.5°	628.2	635.5	643.7	645.4	638.2
25°	610.2	617.7	627.9	630.3	620.7
27.5°	591.5	598.7	610.1	611.8	603.8
30°	571.3	578.1	590.7	593.5	585.3
32.5°	550.9	557.7	571.6	574.0	566.0
35°	528.2	536.5	549.2	553.0	544.1
37.5°	505.1	513.1	527.6	531.0	521.4
40°	481.2	489.1	503.3	506.2	496.9
42.5°	456.7	464.6	479.8	480.3	472.6
45°	431.7	439.3	453.4	453.8	444.9
47.5°	406.3	414.0	426.6	425.2	416.8
50°	380.6	388.0	399.0	396.2	388.6
52.5°	354.0	361.2	371.6	366.9	359.8
55°	327.3	333.9	342.6	337.7	332.1
57.5°	300.3	307.0	313.7	308.7	303.9
60°	273.2	279.0	284.5	279.4	275.7
62.5°	245.5	250.6	255.3	250.4	247.0
65°	217.6	222.0	225.9	221.4	217.7
67.5°	189.8	193.6	197.2	192.5	188.7
70°	162.0	165.3	168.6	163.8	160.2
72.5°	134.6	137.5	140.4	135.8	132.7
75°	108.0	110.5	112.9	108.7	106.3
77.5°	82.5	84.6	86.3	83.6	81.3
80°	58.9	60.4	61.4	60.4	58.2
82.5°	37.8	39.0	39.5	39.4	38.0
85°	20.6	20.9	21.9	22.2	21.4
87.5°	8.0	8.5	8.7	9.4	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)