

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: P489970

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-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: P489970
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-LD4-2HI-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

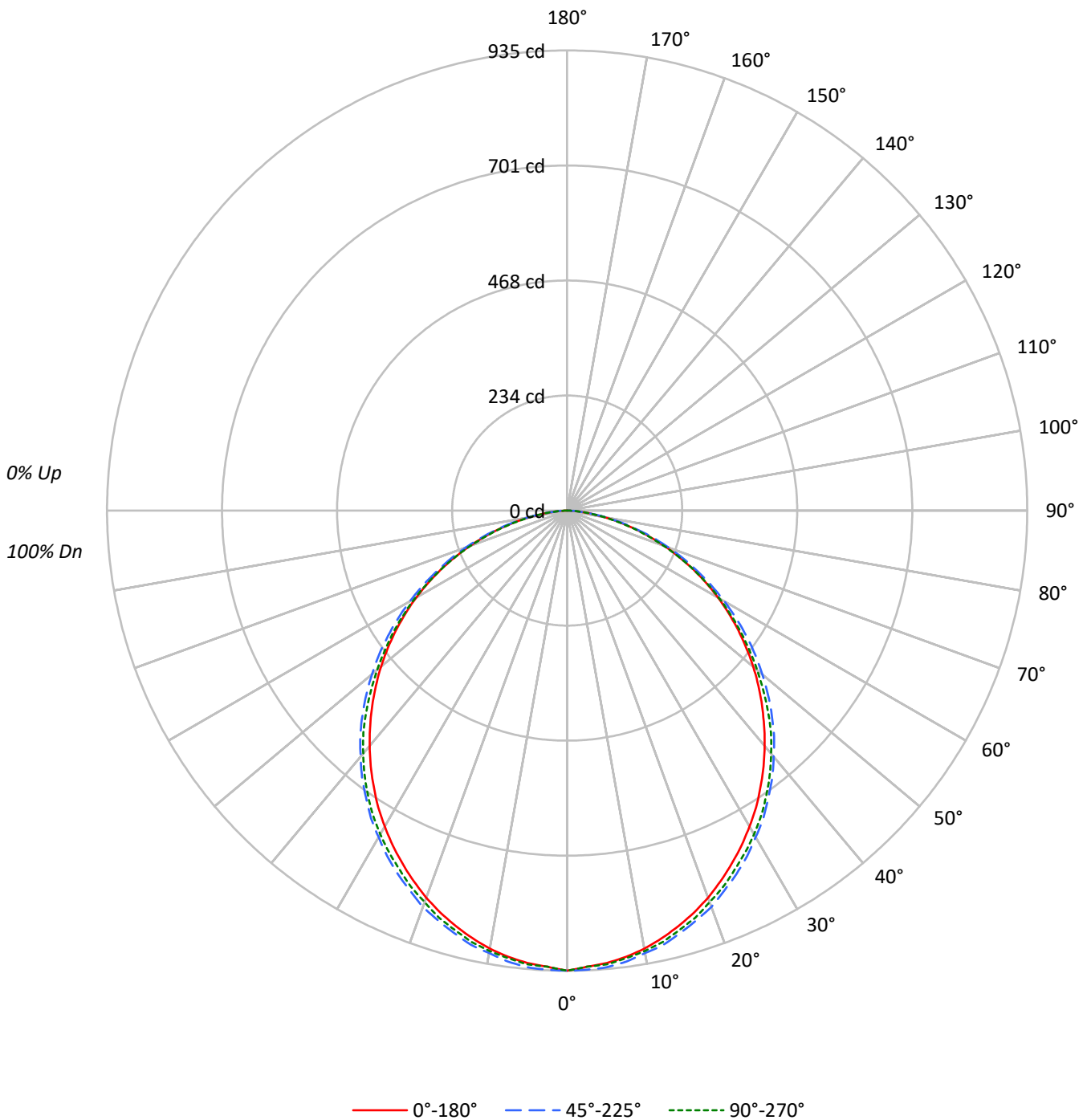
Lumens per Lamp: N/A
Luminaire Lumens: 2458.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	5032	5032	5032
5°	4985	5032	5001
10°	4940	4990	4965
15°	4871	4950	4915
20°	4794	4908	4849
25°	4701	4837	4782
30°	4606	4762	4719
35°	4503	4681	4637
40°	4385	4587	4529
45°	4262	4478	4393
50°	4135	4334	4221
55°	3984	4171	4042
60°	3815	3973	3850
65°	3595	3733	3598
70°	3308	3441	3271
75°	2913	3044	2868
80°	2368	2470	2340
85°	1649	1754	1717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	3.6
10°-20°	249.5	10.2
20°-30°	372.1	15.1
30°-40°	441.0	17.9
40°-50°	446.2	18.2
50°-60°	389.7	15.9
60°-70°	284.8	11.6
70°-80°	151.5	6.2
80°-90°	35.0	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°	709.7	28.9
0°-40°	1150.7	46.8
0°-60°	1986.7	80.8
0°-90°	2458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	923	924	931	934	926	87
15°	874	880	888	894	882	246
25°	792	801	815	818	805	365
35°	685	696	712	717	706	429
45°	560	570	588	589	577	432
55°	425	433	444	438	431	380
65°	282	288	293	287	282	279
75°	140	143	146	141	138	149
85°	27	27	28	29	28	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	934.9	934.9	934.9	934.9	934.9
2.5°	927.6	930.6	933.8	935.1	927.5
5°	922.8	924.5	931.4	933.6	925.7
7.5°	914.8	917.4	924.1	925.1	917.5
10°	903.9	908.5	913.0	917.9	908.6
12.5°	889.9	896.3	903.9	904.7	897.7
15°	874.2	880.1	888.4	893.7	882.1
17.5°	856.7	862.4	873.1	874.1	867.0
20°	837.1	844.2	857.0	859.2	846.7
22.5°	814.9	824.4	835.1	837.2	828.0
25°	791.6	801.4	814.6	817.7	805.3
27.5°	767.3	776.6	791.5	793.7	783.3
30°	741.2	750.0	766.3	769.9	759.3
32.5°	714.7	723.5	741.6	744.6	734.3
35°	685.3	696.0	712.5	717.4	705.8
37.5°	655.3	665.7	684.4	688.9	676.4
40°	624.2	634.5	652.9	656.6	644.7
42.5°	592.4	602.8	622.4	623.0	613.1
45°	560.0	569.9	588.3	588.7	577.2
47.5°	527.1	537.1	553.5	551.6	540.7
50°	493.8	503.3	517.6	513.9	504.1
52.5°	459.3	468.5	482.1	476.0	466.8
55°	424.6	433.2	444.5	438.1	430.8
57.5°	389.6	398.3	407.0	400.5	394.2
60°	354.4	362.0	369.1	362.5	357.7
62.5°	318.5	325.1	331.2	324.9	320.4
65°	282.3	288.0	293.1	287.3	282.5
67.5°	246.3	251.1	255.8	249.8	244.8
70°	210.2	214.4	218.7	212.4	207.9
72.5°	174.7	178.4	182.2	176.1	172.1
75°	140.1	143.3	146.4	141.0	137.9
77.5°	107.1	109.8	111.9	108.5	105.5
80°	76.4	78.4	79.7	78.3	75.5
82.5°	49.1	50.6	51.2	51.1	49.3
85°	26.7	27.2	28.4	28.7	27.8
87.5°	10.3	11.0	11.3	12.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)