

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: P489987

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-30-120-EDD**

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: P489987
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-LD4-2LO-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

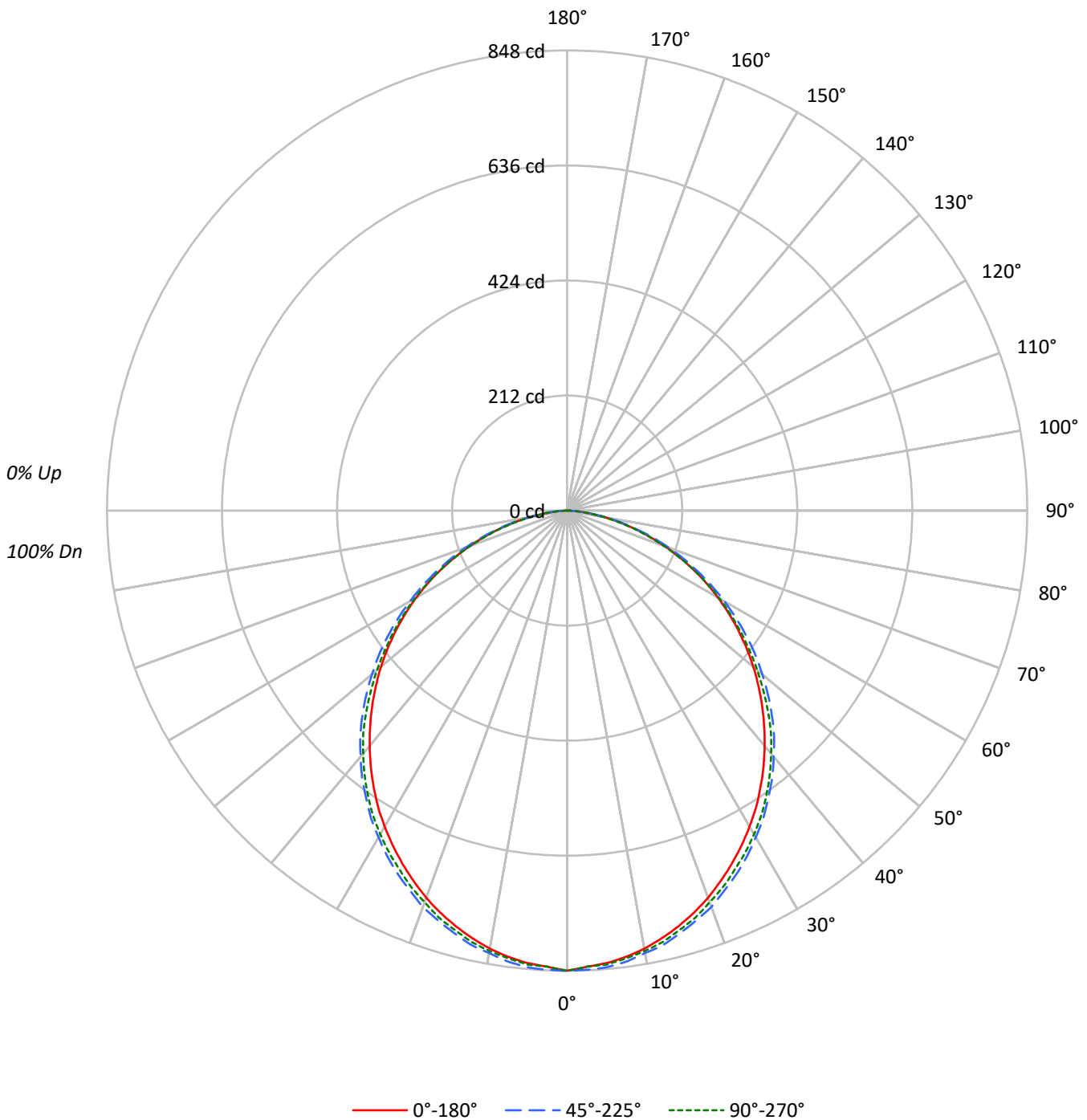
Lumens per Lamp: N/A
Luminaire Lumens: 2229.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P489987

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2LO-30-120-EDD

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°	4564	4564	4564
5°	4522	4564	4536
10°	4480	4526	4504
15°	4418	4490	4458
20°	4349	4452	4399
25°	4264	4388	4337
30°	4178	4320	4280
35°	4084	4246	4206
40°	3978	4161	4108
45°	3866	4061	3984
50°	3750	3931	3828
55°	3613	3783	3667
60°	3460	3604	3492
65°	3261	3386	3263
70°	3001	3122	2966
75°	2643	2761	2601
80°	2148	2241	2123
85°	1494	1593	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	3.6
10°-20°	226.3	10.2
20°-30°	337.6	15.1
30°-40°	400.0	17.9
40°-50°	404.7	18.2
50°-60°	353.5	15.9
60°-70°	258.3	11.6
70°-80°	137.4	6.2
80°-90°	31.8	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
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0°-30°	643.7	28.9
0°-40°	1043.7	46.8
0°-60°	1802.0	80.8
0°-90°	2229.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	837	839	845	847	840	79
15°	793	798	806	811	800	224
25°	718	727	739	742	730	331
35°	622	631	646	651	640	389
45°	508	517	534	534	524	392
55°	385	393	403	397	391	344
65°	256	261	266	261	256	253
75°	127	130	133	128	125	135
85°	24	25	26	26	25	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.0	848.0	848.0	848.0	848.0
2.5°	841.4	844.1	847.0	848.2	841.3
5°	837.0	838.6	844.8	846.8	839.6
7.5°	829.7	832.1	838.2	839.1	832.2
10°	819.8	824.1	828.1	832.6	824.2
12.5°	807.2	812.9	819.8	820.6	814.3
15°	793.0	798.3	805.8	810.6	800.1
17.5°	777.1	782.2	791.9	792.8	786.4
20°	759.3	765.7	777.3	779.4	768.0
22.5°	739.2	747.7	757.5	759.4	751.0
25°	718.1	726.9	738.9	741.6	730.4
27.5°	696.0	704.4	718.0	719.9	710.5
30°	672.3	680.2	695.1	698.4	688.7
32.5°	648.3	656.2	672.6	675.4	666.0
35°	621.6	631.3	646.2	650.7	640.2
37.5°	594.4	603.8	620.8	624.8	613.5
40°	566.2	575.5	592.2	595.6	584.7
42.5°	537.4	546.7	564.6	565.1	556.1
45°	507.9	517.0	533.6	534.0	523.5
47.5°	478.1	487.2	502.0	500.3	490.5
50°	447.9	456.5	469.5	466.2	457.2
52.5°	416.6	425.0	437.3	431.8	423.4
55°	385.1	392.9	403.2	397.3	390.8
57.5°	353.4	361.3	369.1	363.2	357.6
60°	321.4	328.3	334.8	328.8	324.4
62.5°	288.9	294.8	300.4	294.7	290.6
65°	256.1	261.3	265.9	260.6	256.2
67.5°	223.4	227.8	232.0	226.5	222.0
70°	190.7	194.5	198.4	192.7	188.5
72.5°	158.4	161.8	165.2	159.7	156.1
75°	127.1	130.0	132.8	127.9	125.1
77.5°	97.1	99.6	101.5	98.4	95.7
80°	69.3	71.1	72.3	71.0	68.5
82.5°	44.5	45.9	46.5	46.4	44.7
85°	24.2	24.7	25.8	26.1	25.2
87.5°	9.4	10.0	10.2	11.0	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)