

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: P490144

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-35-120-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: P490144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)
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-P12125-LD4-2STD-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

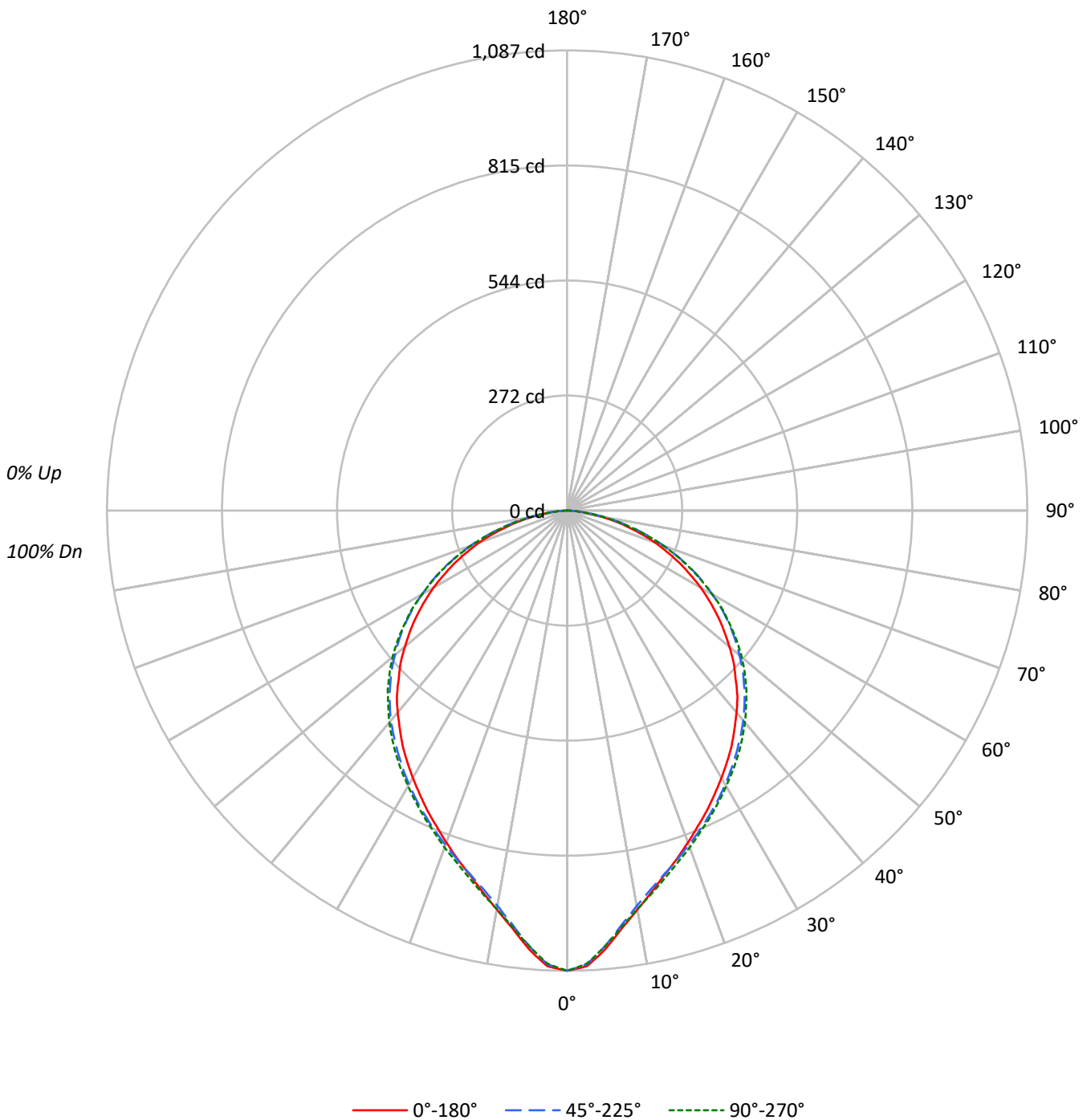
Lumens per Lamp: N/A
Luminaire Lumens: 2524.6 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5850	5850	5850
5°	5616	5577	5577
10°	5227	5180	5220
15°	4960	4951	5000
20°	4778	4813	4850
25°	4641	4717	4745
30°	4530	4642	4670
35°	4452	4582	4629
40°	4373	4551	4589
45°	4283	4506	4560
50°	4189	4450	4510
55°	4072	4386	4404
60°	3926	4265	4256
65°	3721	4102	4074
70°	3474	3825	3778
75°	3067	3389	3354
80°	2492	2762	2625
85°	1729	1760	1692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.8
10°-20°	251.6	10.0
20°-30°	365.8	14.5
30°-40°	435.3	17.2
40°-50°	452.0	17.9
50°-60°	409.5	16.2
60°-70°	309.0	12.2
70°-80°	168.4	6.7
80°-90°	37.0	1.5
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°	713.4	28.3
0°-40°	1148.7	45.5
0°-60°	2010.2	79.6
0°-90°	2524.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1040	1037	1032	1032	1032	96
15°	890	888	889	895	897	251
25°	782	788	794	801	799	360
35°	678	686	697	708	704	424
45°	563	573	592	599	599	435
55°	434	444	467	471	469	388
65°	292	301	322	322	320	289
75°	148	153	163	164	161	157
85°	28	28	28	28	27	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1077.4	1076.3	1072.8	1071.4	1071.1
5°	1039.6	1037.2	1032.3	1031.8	1032.3
7.5°	994.5	991.8	986.9	988.8	991.3
10°	956.5	949.7	947.8	950.5	955.2
12.5°	922.6	917.1	915.5	922.6	925.8
15°	890.2	888.1	888.6	894.6	897.3
17.5°	862.3	860.9	864.5	869.1	870.4
20°	834.3	837.0	840.3	845.2	846.8
22.5°	806.9	812.0	817.5	824.0	821.8
25°	781.6	788.1	794.4	800.9	799.0
27.5°	754.7	762.3	771.0	778.1	775.4
30°	728.9	738.4	746.9	755.5	751.5
32.5°	703.4	712.4	722.4	733.0	728.4
35°	677.6	685.7	697.4	708.0	704.5
37.5°	649.1	659.1	672.4	681.7	679.2
40°	622.5	631.7	647.7	653.7	653.2
42.5°	595.6	603.2	620.0	626.8	625.7
45°	562.7	572.8	592.0	598.6	599.1
47.5°	533.7	542.1	562.7	567.9	569.0
50°	500.3	510.9	531.5	537.7	538.6
52.5°	467.4	478.8	500.0	504.3	505.2
55°	434.0	444.3	467.4	470.7	469.3
57.5°	399.0	411.4	432.6	434.3	435.6
60°	364.7	375.6	396.2	398.4	395.4
62.5°	327.5	338.7	359.9	360.4	357.9
65°	292.2	300.6	322.1	321.6	319.9
67.5°	255.3	265.6	281.4	281.9	280.6
70°	220.8	227.9	243.1	243.3	240.1
72.5°	183.6	191.2	203.4	201.8	201.0
75°	147.5	153.4	163.0	164.0	161.3
77.5°	114.3	118.7	125.7	124.9	121.9
80°	80.4	83.9	89.1	88.0	84.7
82.5°	51.3	53.5	56.8	55.4	54.0
85°	28.0	28.2	28.5	28.2	27.4
87.5°	10.3	10.6	10.6	10.3	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)