

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: P490132

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-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: P490132
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-LD4-2LO-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

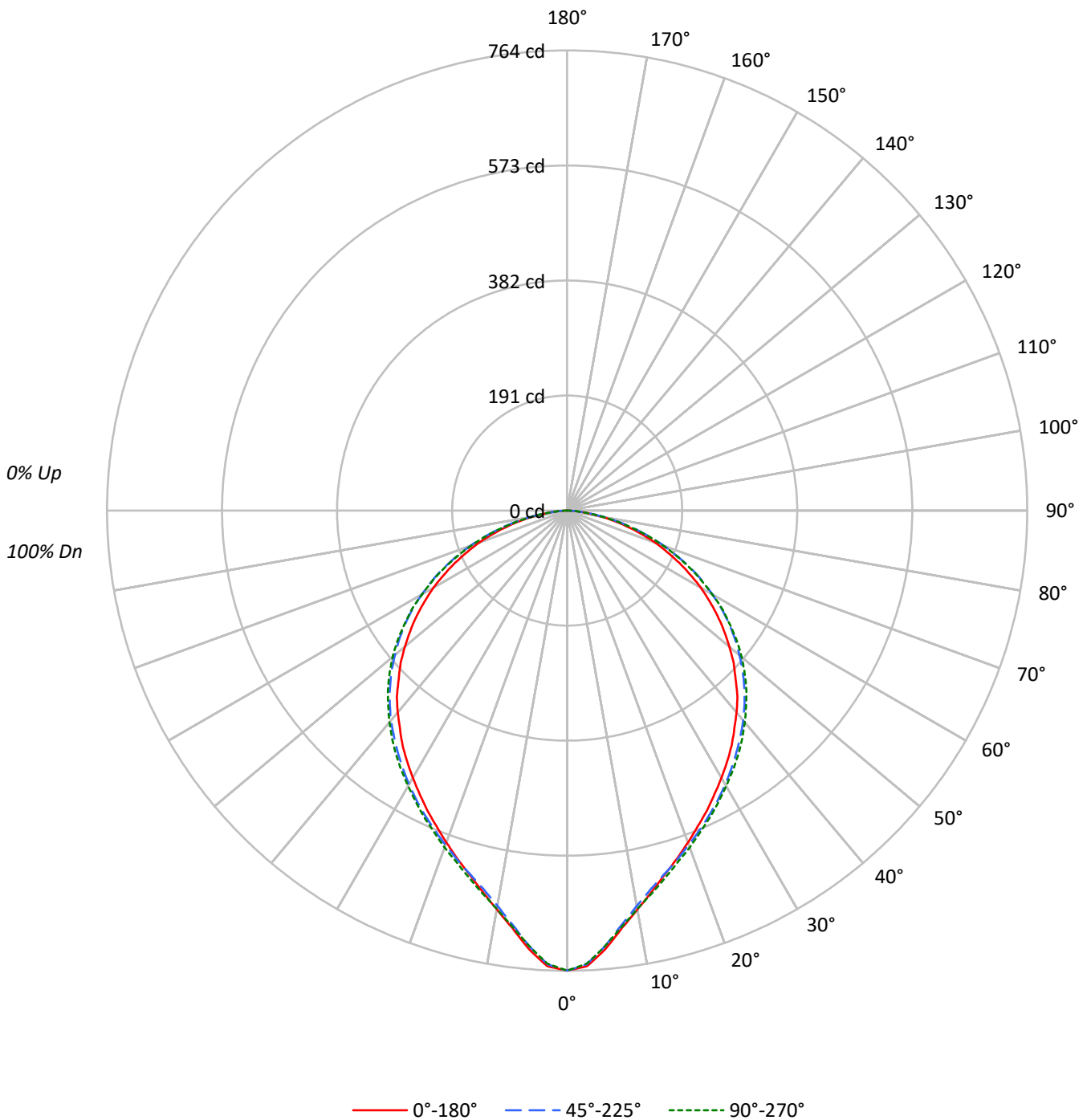
Lumens per Lamp: N/A
Luminaire Lumens: 1774.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	4110	4110	4110
5°	3947	3919	3919
10°	3673	3640	3668
15°	3486	3479	3513
20°	3358	3382	3408
25°	3261	3315	3334
30°	3183	3261	3281
35°	3128	3220	3252
40°	3073	3197	3225
45°	3009	3166	3204
50°	2943	3127	3168
55°	2862	3081	3095
60°	2759	2997	2991
65°	2614	2882	2863
70°	2441	2688	2655
75°	2154	2381	2358
80°	1751	1940	1844
85°	1216	1235	1192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	3.8
10°-20°	176.8	10.0
20°-30°	257.1	14.5
30°-40°	305.9	17.2
40°-50°	317.6	17.9
50°-60°	287.7	16.2
60°-70°	217.1	12.2
70°-80°	118.3	6.7
80°-90°	26.0	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°	501.3	28.3
0°-40°	807.2	45.5
0°-60°	1412.6	79.6
0°-90°	1774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	730	729	725	725	725	68
15°	626	624	624	629	630	177
25°	549	554	558	563	562	253
35°	476	482	490	498	495	298
45°	395	402	416	421	421	306
55°	305	312	328	331	330	272
65°	205	211	226	226	225	203
75°	104	108	114	115	113	110
85°	20	20	20	20	19	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.7	763.7	763.7	763.7	763.7
2.5°	757.1	756.3	753.8	752.9	752.7
5°	730.5	728.8	725.4	725.0	725.4
7.5°	698.8	696.9	693.5	694.8	696.6
10°	672.1	667.4	666.0	667.9	671.2
12.5°	648.3	644.5	643.3	648.3	650.6
15°	625.6	624.0	624.4	628.6	630.5
17.5°	605.9	605.0	607.4	610.7	611.6
20°	586.3	588.2	590.5	593.9	595.0
22.5°	567.0	570.6	574.4	579.0	577.5
25°	549.2	553.8	558.2	562.8	561.5
27.5°	530.3	535.7	541.8	546.8	544.8
30°	512.2	518.9	524.8	530.9	528.0
32.5°	494.3	500.6	507.6	515.1	511.8
35°	476.1	481.9	490.1	497.5	495.0
37.5°	456.1	463.2	472.5	479.0	477.3
40°	437.4	443.9	455.1	459.4	459.0
42.5°	418.5	423.9	435.7	440.5	439.7
45°	395.4	402.5	416.0	420.6	421.0
47.5°	375.0	380.9	395.4	399.0	399.8
50°	351.5	359.0	373.5	377.9	378.4
52.5°	328.4	336.4	351.3	354.4	355.0
55°	305.0	312.2	328.4	330.7	329.8
57.5°	280.3	289.1	304.0	305.1	306.1
60°	256.3	263.9	278.4	280.0	277.9
62.5°	230.2	238.0	252.9	253.2	251.5
65°	205.3	211.3	226.3	226.0	224.8
67.5°	179.4	186.6	197.7	198.1	197.1
70°	155.1	160.1	170.8	171.0	168.7
72.5°	129.0	134.3	142.9	141.8	141.2
75°	103.6	107.8	114.5	115.3	113.4
77.5°	80.3	83.4	88.4	87.8	85.7
80°	56.5	59.0	62.6	61.8	59.5
82.5°	36.1	37.6	39.9	38.9	38.0
85°	19.7	19.8	20.0	19.8	19.3
87.5°	7.3	7.4	7.4	7.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)