

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: P490130

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-30-120-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: P490130
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-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

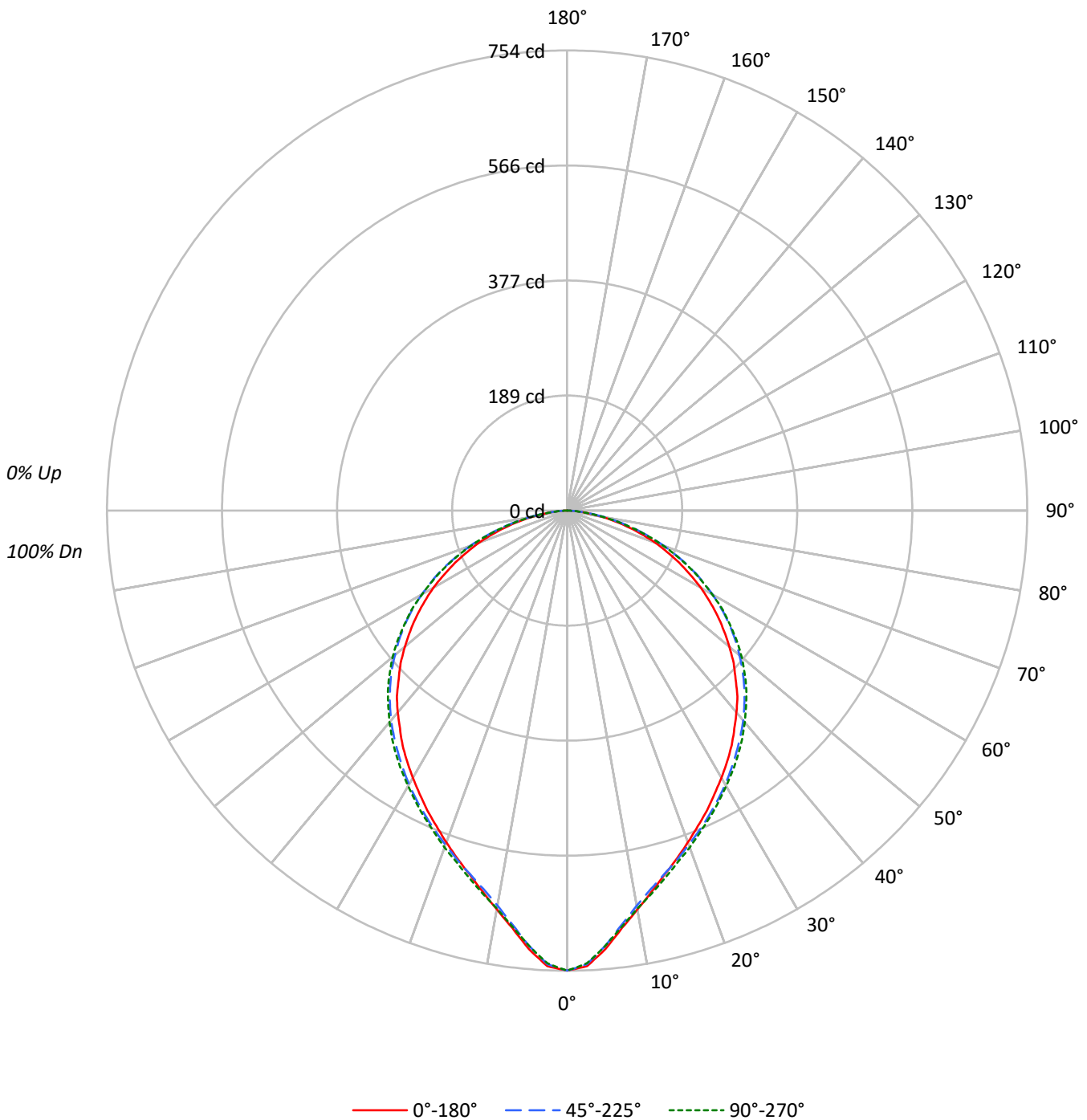
Lumens per Lamp: N/A
Luminaire Lumens: 1750.6 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4056	4056	4056
5°	3895	3867	3867
10°	3625	3592	3619
15°	3439	3433	3467
20°	3313	3337	3363
25°	3219	3271	3290
30°	3141	3219	3238
35°	3087	3177	3210
40°	3032	3155	3182
45°	2970	3124	3162
50°	2905	3085	3126
55°	2823	3041	3053
60°	2722	2958	2951
65°	2580	2844	2825
70°	2409	2651	2620
75°	2127	2350	2327
80°	1726	1915	1819
85°	1198	1223	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	3.8
10°-20°	174.4	10.0
20°-30°	253.7	14.5
30°-40°	301.9	17.2
40°-50°	313.4	17.9
50°-60°	284.0	16.2
60°-70°	214.3	12.2
70°-80°	116.7	6.7
80°-90°	25.7	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°	494.7	28.3
0°-40°	796.6	45.5
0°-60°	1393.9	79.6
0°-90°	1750.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	721	719	716	715	716	67
15°	617	616	616	620	622	174
25°	542	546	551	555	554	250
35°	470	476	484	491	488	294
45°	390	397	410	415	415	302
55°	301	308	324	326	325	269
65°	203	208	223	223	222	200
75°	102	106	113	114	112	109
85°	19	20	20	20	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	753.7	753.7	753.7	753.7	753.7
2.5°	747.1	746.3	743.9	742.9	742.7
5°	720.9	719.2	715.8	715.4	715.8
7.5°	689.6	687.7	684.4	685.7	687.4
10°	663.3	658.6	657.2	659.1	662.3
12.5°	639.7	636.0	634.8	639.7	642.0
15°	617.3	615.8	616.2	620.3	622.2
17.5°	597.9	597.0	599.4	602.6	603.6
20°	578.5	580.4	582.7	586.1	587.2
22.5°	559.5	563.1	566.9	571.4	569.9
25°	542.0	546.5	550.8	555.4	554.0
27.5°	523.3	528.6	534.6	539.5	537.7
30°	505.4	512.0	517.9	523.9	521.1
32.5°	487.8	494.0	500.9	508.3	505.1
35°	469.9	475.5	483.6	491.0	488.5
37.5°	450.1	457.1	466.3	472.7	471.0
40°	431.6	438.0	449.1	453.3	452.9
42.5°	413.0	418.3	429.9	434.6	433.9
45°	390.2	397.2	410.5	415.1	415.4
47.5°	370.1	375.9	390.2	393.8	394.5
50°	346.9	354.2	368.5	372.9	373.4
52.5°	324.1	332.0	346.7	349.7	350.3
55°	300.9	308.1	324.1	326.4	325.4
57.5°	276.6	285.3	300.0	301.1	302.1
60°	252.9	260.4	274.8	276.3	274.2
62.5°	227.1	234.8	249.5	249.9	248.2
65°	202.6	208.5	223.3	223.0	221.8
67.5°	177.0	184.2	195.1	195.5	194.5
70°	153.1	158.0	168.5	168.7	166.5
72.5°	127.3	132.6	141.0	139.9	139.4
75°	102.3	106.4	113.0	113.8	111.9
77.5°	79.3	82.3	87.2	86.6	84.6
80°	55.7	58.2	61.8	61.0	58.7
82.5°	35.6	37.1	39.4	38.4	37.5
85°	19.4	19.6	19.8	19.6	19.0
87.5°	7.2	7.3	7.3	7.2	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)