

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: P490140

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-27-120-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: P490140
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

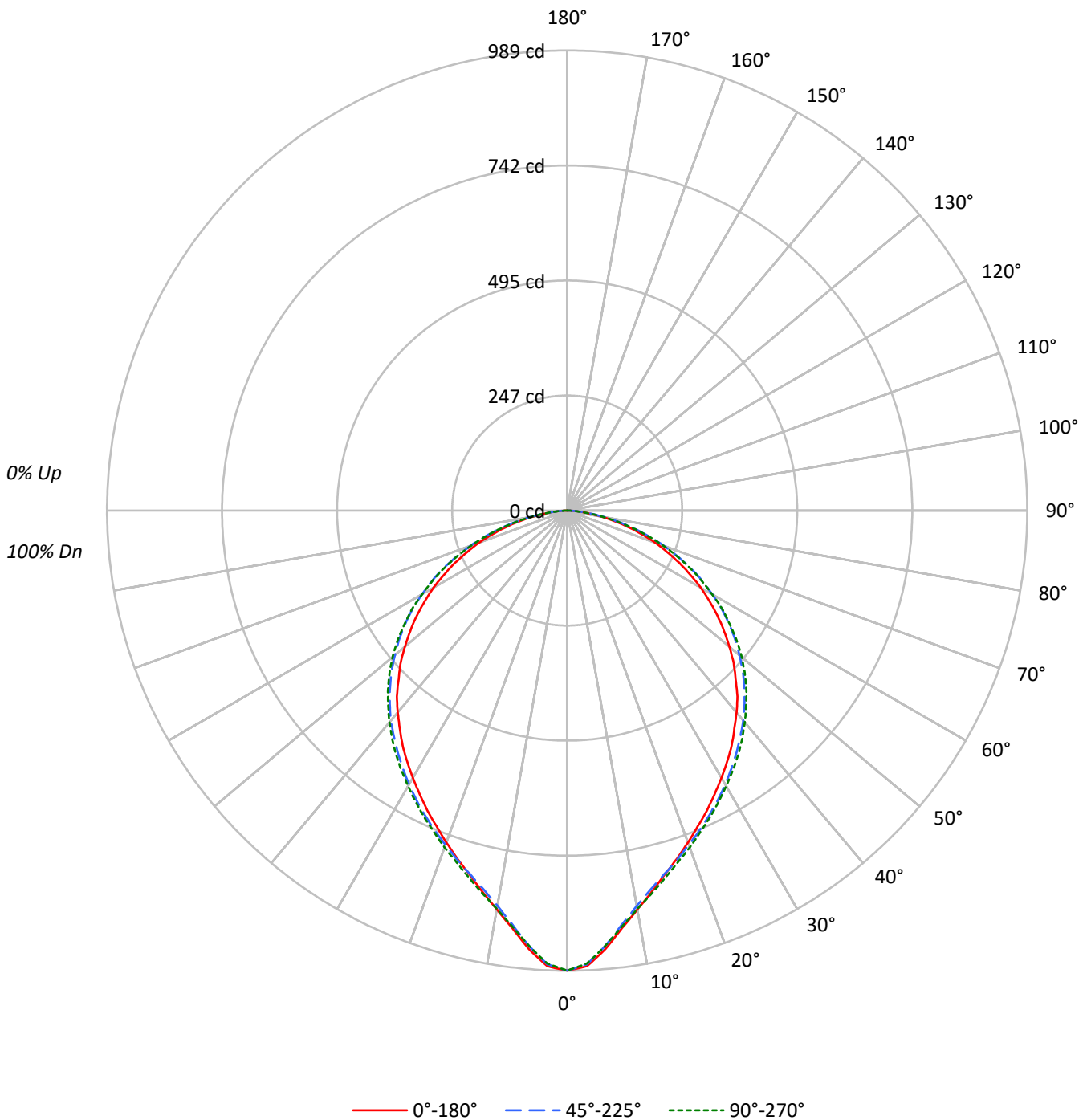
Lumens per Lamp: N/A
Luminaire Lumens: 2296.7 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	5322	5322	5322
5°	5110	5074	5074
10°	4756	4712	4749
15°	4513	4504	4548
20°	4347	4378	4412
25°	4223	4292	4317
30°	4121	4222	4248
35°	4050	4169	4211
40°	3979	4140	4175
45°	3896	4099	4148
50°	3810	4048	4102
55°	3704	3990	4006
60°	3571	3880	3872
65°	3385	3731	3706
70°	3161	3479	3437
75°	2791	3082	3053
80°	2266	2510	2390
85°	1575	1599	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.8
10°-20°	228.9	10.0
20°-30°	332.8	14.5
30°-40°	396.0	17.2
40°-50°	411.2	17.9
50°-60°	372.5	16.2
60°-70°	281.1	12.2
70°-80°	153.2	6.7
80°-90°	33.7	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°	649.0	28.3
0°-40°	1045.0	45.5
0°-60°	1828.8	79.6
0°-90°	2296.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2296.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	946	944	939	939	939	88
15°	810	808	808	814	816	229
25°	711	717	723	729	727	328
35°	616	624	634	644	641	385
45°	512	521	539	544	545	396
55°	395	404	425	428	427	352
65°	266	274	293	292	291	263
75°	134	140	148	149	147	143
85°	26	26	26	26	25	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.8	988.8	988.8	988.8	988.8
2.5°	980.1	979.1	975.9	974.7	974.4
5°	945.8	943.5	939.1	938.6	939.1
7.5°	904.8	902.3	897.9	899.6	901.8
10°	870.2	864.0	862.3	864.7	868.9
12.5°	839.3	834.3	832.9	839.3	842.3
15°	809.9	807.9	808.4	813.8	816.3
17.5°	784.4	783.2	786.4	790.6	791.9
20°	759.0	761.5	764.4	768.9	770.4
22.5°	734.0	738.7	743.7	749.6	747.6
25°	711.1	717.0	722.7	728.6	726.9
27.5°	686.6	693.5	701.4	707.9	705.4
30°	663.1	671.8	679.4	687.3	683.6
32.5°	639.9	648.1	657.2	666.8	662.6
35°	616.4	623.8	634.5	644.1	640.9
37.5°	590.5	599.6	611.7	620.1	617.9
40°	566.3	574.7	589.3	594.7	594.2
42.5°	541.8	548.7	564.1	570.2	569.2
45°	511.9	521.1	538.6	544.5	545.0
47.5°	485.5	493.2	511.9	516.6	517.6
50°	455.1	464.7	483.5	489.2	489.9
52.5°	425.2	435.6	454.8	458.8	459.6
55°	394.8	404.2	425.2	428.2	426.9
57.5°	362.9	374.3	393.6	395.1	396.3
60°	331.8	341.7	360.5	362.4	359.7
62.5°	298.0	308.1	327.4	327.9	325.6
65°	265.8	273.5	293.0	292.5	291.0
67.5°	232.2	241.6	256.0	256.4	255.2
70°	200.9	207.3	221.1	221.4	218.4
72.5°	167.0	173.9	185.0	183.6	182.8
75°	134.2	139.6	148.2	149.2	146.8
77.5°	104.0	108.0	114.4	113.7	110.9
80°	73.1	76.3	81.0	80.1	77.1
82.5°	46.7	48.7	51.6	50.4	49.2
85°	25.5	25.7	25.9	25.7	24.9
87.5°	9.4	9.6	9.6	9.4	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)