

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: P490134

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-40-120-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: P490134
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-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

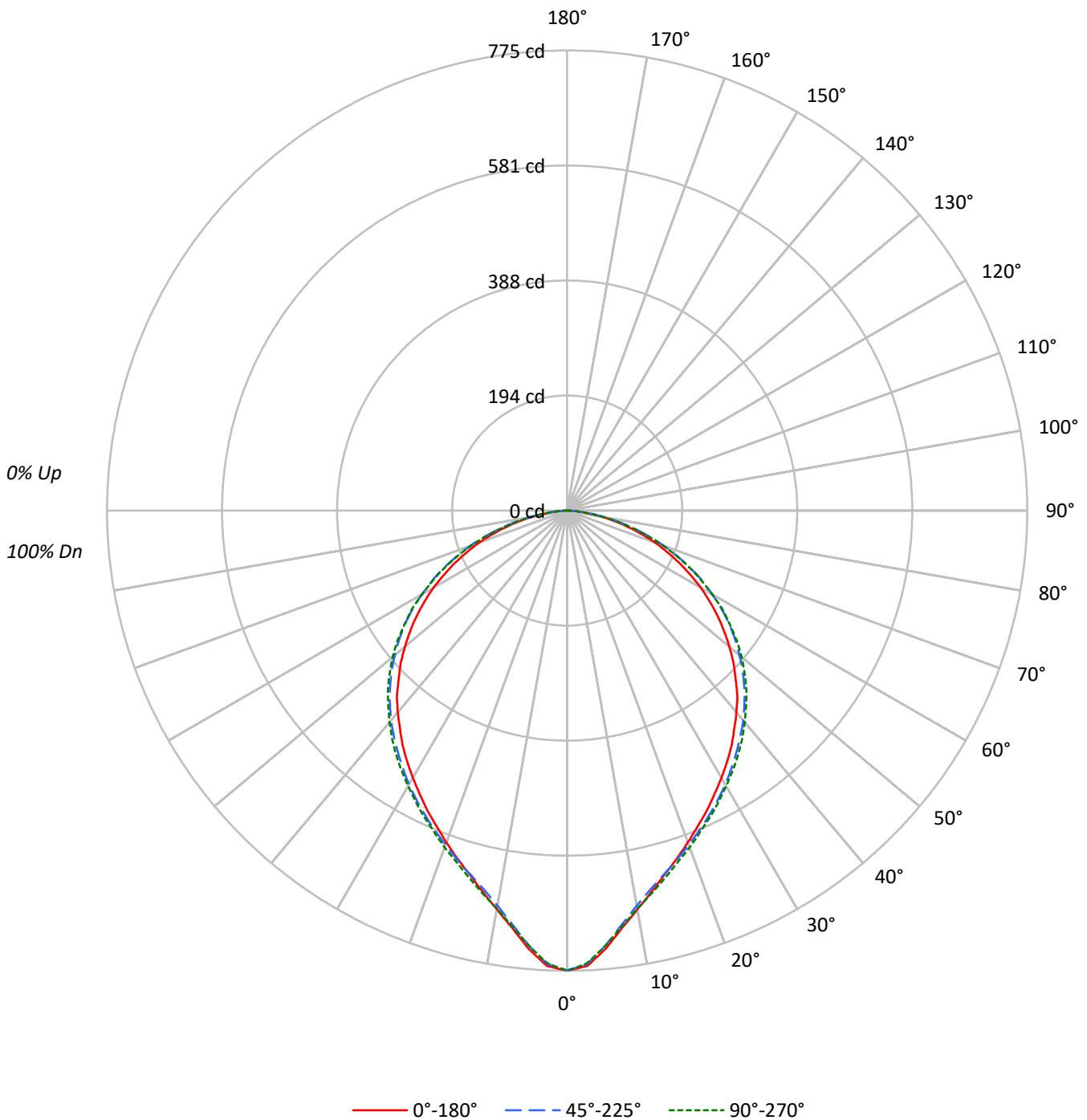
Lumens per Lamp: N/A
Luminaire Lumens: 1799.2 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	4169	4169	4169
5°	4003	3975	3975
10°	3725	3692	3720
15°	3535	3529	3563
20°	3405	3430	3456
25°	3308	3362	3381
30°	3228	3308	3329
35°	3173	3265	3299
40°	3117	3243	3270
45°	3052	3211	3250
50°	2985	3172	3213
55°	2902	3126	3139
60°	2798	3040	3033
65°	2653	2923	2904
70°	2475	2725	2692
75°	2185	2414	2391
80°	1776	1968	1872
85°	1229	1254	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.8
10°-20°	179.3	10.0
20°-30°	260.7	14.5
30°-40°	310.2	17.2
40°-50°	322.1	17.9
50°-60°	291.8	16.2
60°-70°	220.2	12.2
70°-80°	120.0	6.7
80°-90°	26.4	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°	508.4	28.3
0°-40°	818.7	45.5
0°-60°	1432.6	79.6
0°-90°	1799.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1799.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	741	739	736	735	736	69
15°	634	633	633	638	640	179
25°	557	562	566	571	569	257
35°	483	489	497	505	502	302
45°	401	408	422	427	427	310
55°	309	317	333	335	334	276
65°	208	214	230	229	228	206
75°	105	109	116	117	115	112
85°	20	20	20	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	774.6	774.6	774.6	774.6	774.6
2.5°	767.8	767.0	764.5	763.5	763.3
5°	740.9	739.2	735.7	735.3	735.7
7.5°	708.8	706.8	703.4	704.7	706.5
10°	681.7	676.8	675.5	677.4	680.7
12.5°	657.5	653.6	652.4	657.5	659.8
15°	634.4	632.9	633.3	637.6	639.5
17.5°	614.5	613.6	616.1	619.4	620.3
20°	594.6	596.5	598.8	602.3	603.5
22.5°	575.0	578.7	582.6	587.2	585.7
25°	557.0	561.7	566.1	570.8	569.4
27.5°	537.9	543.3	549.5	554.5	552.6
30°	519.5	526.3	532.3	538.4	535.6
32.5°	501.3	507.7	514.8	522.4	519.1
35°	482.9	488.7	497.0	504.6	502.1
37.5°	462.6	469.7	479.2	485.8	484.1
40°	443.6	450.2	461.6	465.9	465.5
42.5°	424.4	429.9	441.9	446.7	445.9
45°	401.0	408.2	421.9	426.6	427.0
47.5°	380.3	386.3	401.0	404.7	405.5
50°	356.5	364.1	378.8	383.2	383.8
52.5°	333.1	341.2	356.3	359.4	360.0
55°	309.3	316.6	333.1	335.4	334.5
57.5°	284.3	293.2	308.3	309.5	310.5
60°	259.9	267.7	282.4	283.9	281.8
62.5°	233.4	241.4	256.5	256.8	255.1
65°	208.3	214.3	229.5	229.2	228.0
67.5°	181.9	189.3	200.5	200.9	199.9
70°	157.3	162.4	173.2	173.4	171.1
72.5°	130.8	136.3	145.0	143.8	143.2
75°	105.1	109.4	116.1	116.9	115.0
77.5°	81.5	84.6	89.6	89.0	86.9
80°	57.3	59.8	63.5	62.7	60.4
82.5°	36.6	38.1	40.5	39.5	38.5
85°	19.9	20.1	20.3	20.1	19.5
87.5°	7.4	7.6	7.6	7.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)