

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: P490136

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-50-120-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: P490136
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-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

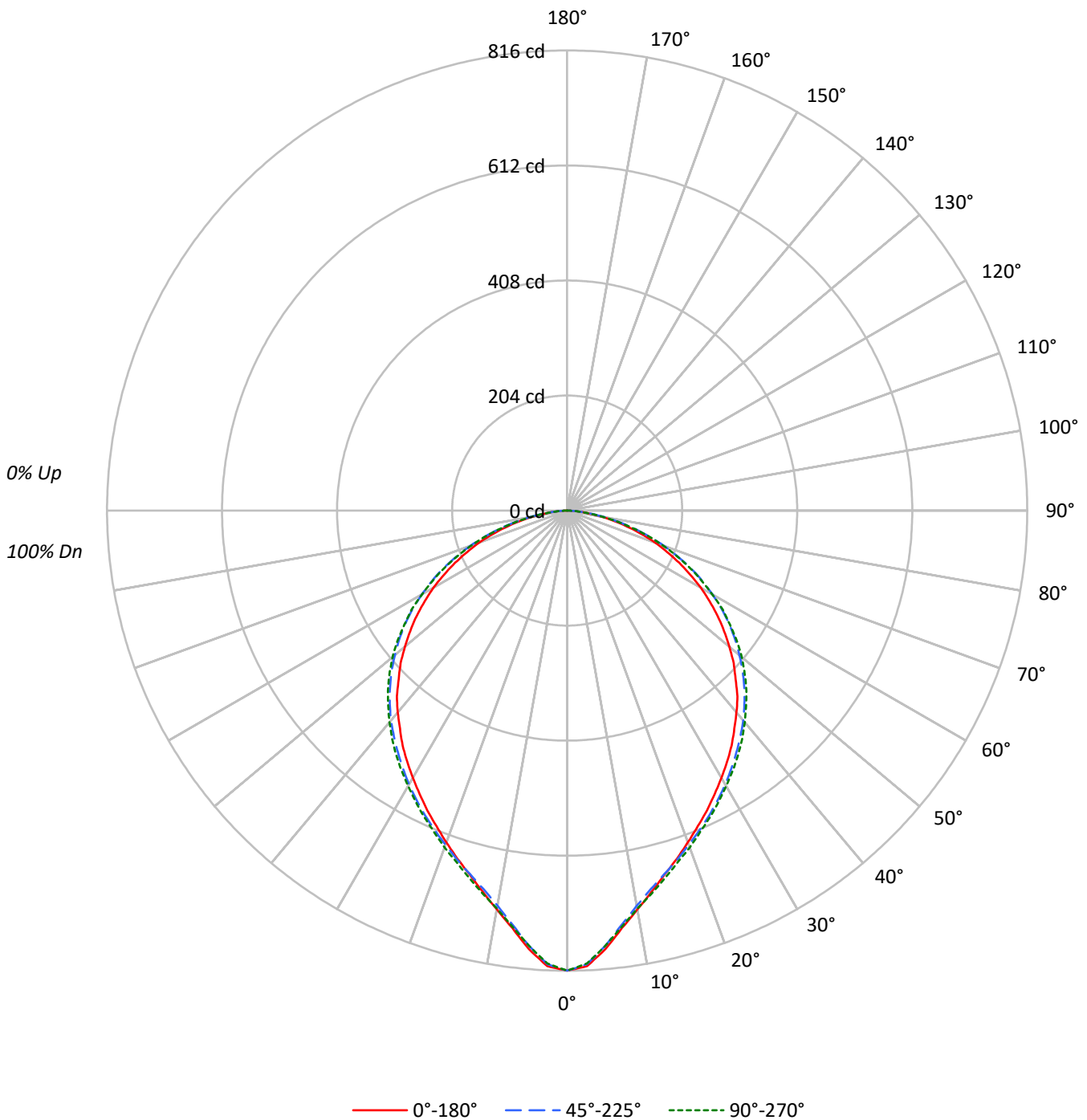
Lumens per Lamp: N/A
Luminaire Lumens: 1894.6 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4390	4390	4390
5°	4215	4185	4185
10°	3923	3887	3917
15°	3723	3716	3752
20°	3586	3612	3640
25°	3483	3540	3561
30°	3399	3483	3504
35°	3341	3439	3474
40°	3282	3415	3444
45°	3214	3382	3422
50°	3143	3340	3384
55°	3056	3292	3305
60°	2946	3201	3195
65°	2793	3078	3058
70°	2607	2870	2836
75°	2302	2543	2518
80°	1869	2073	1971
85°	1297	1321	1272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	3.8
10°-20°	188.8	10.0
20°-30°	274.5	14.5
30°-40°	326.7	17.2
40°-50°	339.2	17.9
50°-60°	307.3	16.2
60°-70°	231.9	12.2
70°-80°	126.4	6.7
80°-90°	27.8	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°	535.4	28.3
0°-40°	862.1	45.5
0°-60°	1508.6	79.6
0°-90°	1894.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	780	778	775	774	775	72
15°	668	666	667	671	673	189
25°	587	592	596	601	600	270
35°	508	515	523	531	529	318
45°	422	430	444	449	450	326
55°	326	333	351	353	352	291
65°	219	226	242	241	240	217
75°	111	115	122	123	121	118
85°	21	21	21	21	21	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	815.7	815.7	815.7	815.7	815.7
2.5°	808.5	807.7	805.1	804.0	803.8
5°	780.2	778.4	774.7	774.3	774.7
7.5°	746.4	744.3	740.7	742.1	743.9
10°	717.8	712.7	711.3	713.3	716.8
12.5°	692.3	688.3	687.0	692.3	694.8
15°	668.1	666.5	666.9	671.4	673.4
17.5°	647.1	646.1	648.7	652.2	653.2
20°	626.1	628.2	630.6	634.3	635.5
22.5°	605.5	609.4	613.5	618.4	616.7
25°	586.6	591.5	596.2	601.0	599.6
27.5°	566.4	572.1	578.6	583.9	581.9
30°	547.0	554.2	560.5	567.0	563.9
32.5°	527.9	534.6	542.1	550.1	546.6
35°	508.5	514.6	523.4	531.3	528.7
37.5°	487.1	494.6	504.6	511.6	509.7
40°	467.1	474.1	486.1	490.6	490.2
42.5°	447.0	452.7	465.3	470.4	469.6
45°	422.3	429.8	444.3	449.2	449.6
47.5°	400.5	406.8	422.3	426.2	427.0
50°	375.4	383.4	398.9	403.5	404.2
52.5°	350.8	359.3	375.2	378.5	379.1
55°	325.7	333.4	350.8	353.2	352.2
57.5°	299.4	308.8	324.7	325.9	326.9
60°	273.7	281.9	297.4	299.0	296.8
62.5°	245.8	254.2	270.1	270.5	268.6
65°	219.3	225.6	241.7	241.3	240.1
67.5°	191.6	199.3	211.2	211.5	210.5
70°	165.7	171.0	182.4	182.6	180.2
72.5°	137.8	143.5	152.6	151.4	150.8
75°	110.7	115.2	122.3	123.1	121.1
77.5°	85.8	89.1	94.4	93.8	91.5
80°	60.3	63.0	66.9	66.0	63.6
82.5°	38.5	40.2	42.6	41.6	40.6
85°	21.0	21.2	21.4	21.2	20.6
87.5°	7.7	8.0	8.0	7.7	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)