

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: P490108

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-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: P490108
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-LD4-1STD-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

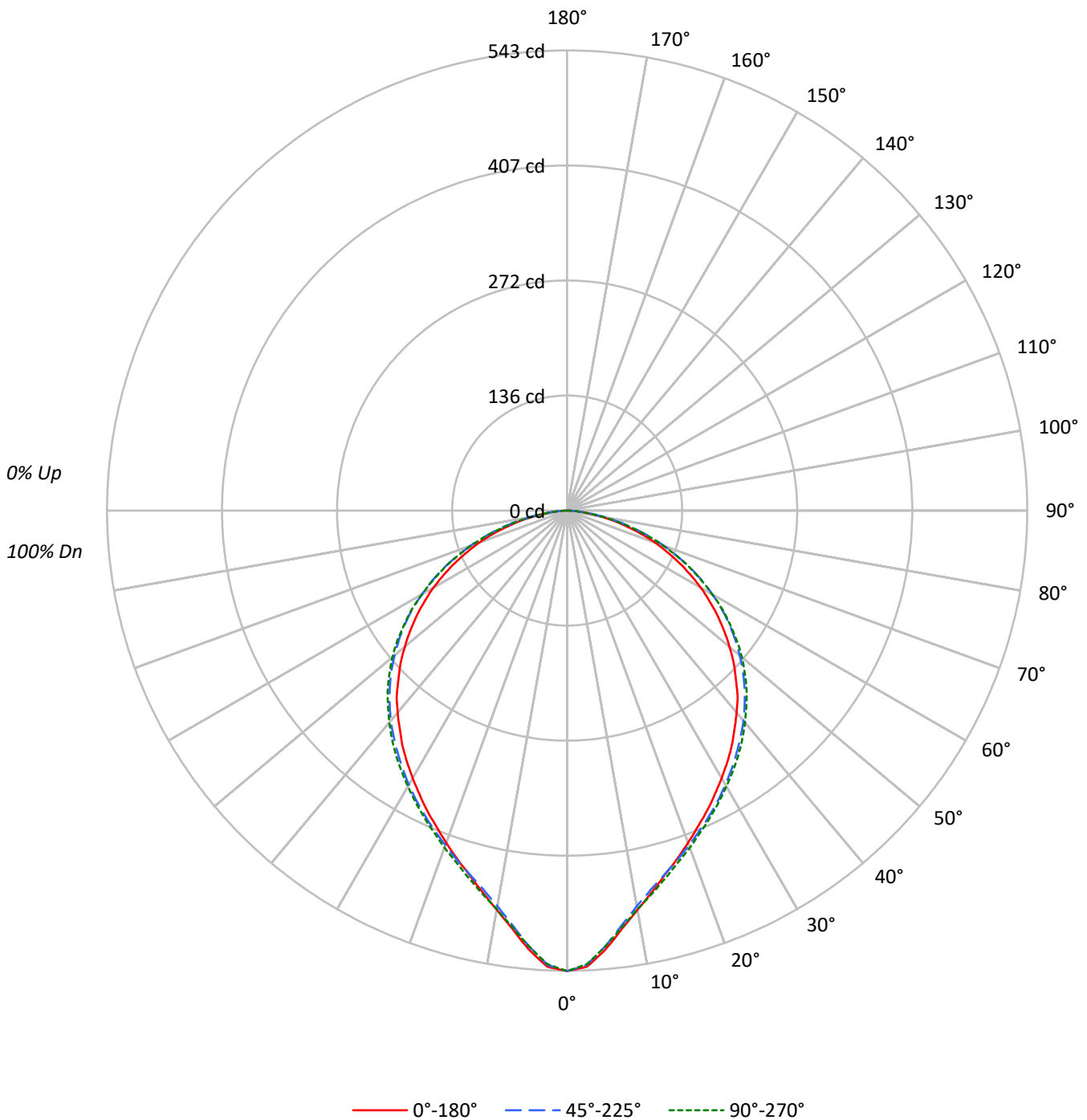
Lumens per Lamp: N/A
Luminaire Lumens: 1262.3 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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°	2925	2925	2925
5°	2808	2788	2788
10°	2614	2590	2610
15°	2480	2476	2500
20°	2389	2406	2425
25°	2321	2359	2372
30°	2265	2321	2335
35°	2226	2291	2314
40°	2186	2276	2295
45°	2142	2253	2280
50°	2094	2225	2255
55°	2036	2193	2202
60°	1963	2132	2128
65°	1861	2050	2038
70°	1737	1912	1888
75°	1533	1695	1678
80°	1246	1379	1314
85°	865	883	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	3.8
10°-20°	125.8	10.0
20°-30°	182.9	14.5
30°-40°	217.7	17.2
40°-50°	226.0	17.9
50°-60°	204.7	16.2
60°-70°	154.5	12.2
70°-80°	84.2	6.7
80°-90°	18.5	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°	356.7	28.3
0°-40°	574.4	45.5
0°-60°	1005.1	79.6
0°-90°	1262.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	520	519	516	516	516	48
15°	445	444	444	447	449	126
25°	391	394	397	400	400	180
35°	339	343	349	354	352	212
45°	281	286	296	299	300	217
55°	217	222	234	235	235	194
65°	146	150	161	161	160	144
75°	74	77	82	82	81	79
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	543.4	543.4	543.4	543.4	543.4
2.5°	538.7	538.1	536.4	535.7	535.6
5°	519.8	518.6	516.1	515.9	516.1
7.5°	497.3	495.9	493.5	494.4	495.6
10°	478.3	474.9	473.9	475.3	477.6
12.5°	461.3	458.6	457.7	461.3	462.9
15°	445.1	444.0	444.3	447.3	448.7
17.5°	431.1	430.5	432.2	434.5	435.2
20°	417.2	418.5	420.1	422.6	423.4
22.5°	403.4	406.0	408.7	412.0	410.9
25°	390.8	394.1	397.2	400.4	399.5
27.5°	377.4	381.2	385.5	389.0	387.7
30°	364.5	369.2	373.4	377.8	375.7
32.5°	351.7	356.2	361.2	366.5	364.2
35°	338.8	342.9	348.7	354.0	352.2
37.5°	324.5	329.6	336.2	340.8	339.6
40°	311.2	315.9	323.9	326.9	326.6
42.5°	297.8	301.6	310.0	313.4	312.9
45°	281.4	286.4	296.0	299.3	299.6
47.5°	266.8	271.0	281.4	283.9	284.5
50°	250.1	255.4	265.7	268.9	269.3
52.5°	233.7	239.4	250.0	252.2	252.6
55°	217.0	222.2	233.7	235.3	234.7
57.5°	199.5	205.7	216.3	217.1	217.8
60°	182.4	187.8	198.1	199.2	197.7
62.5°	163.8	169.3	179.9	180.2	179.0
65°	146.1	150.3	161.0	160.8	160.0
67.5°	127.6	132.8	140.7	140.9	140.3
70°	110.4	113.9	121.5	121.7	120.0
72.5°	91.8	95.6	101.7	100.9	100.5
75°	73.7	76.7	81.5	82.0	80.7
77.5°	57.2	59.3	62.9	62.5	61.0
80°	40.2	42.0	44.5	44.0	42.4
82.5°	25.7	26.8	28.4	27.7	27.0
85°	14.0	14.1	14.3	14.1	13.7
87.5°	5.2	5.3	5.3	5.2	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)