

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: P490095

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-30-120-EDD**

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: P490095  
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-LD4-1LO-30-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

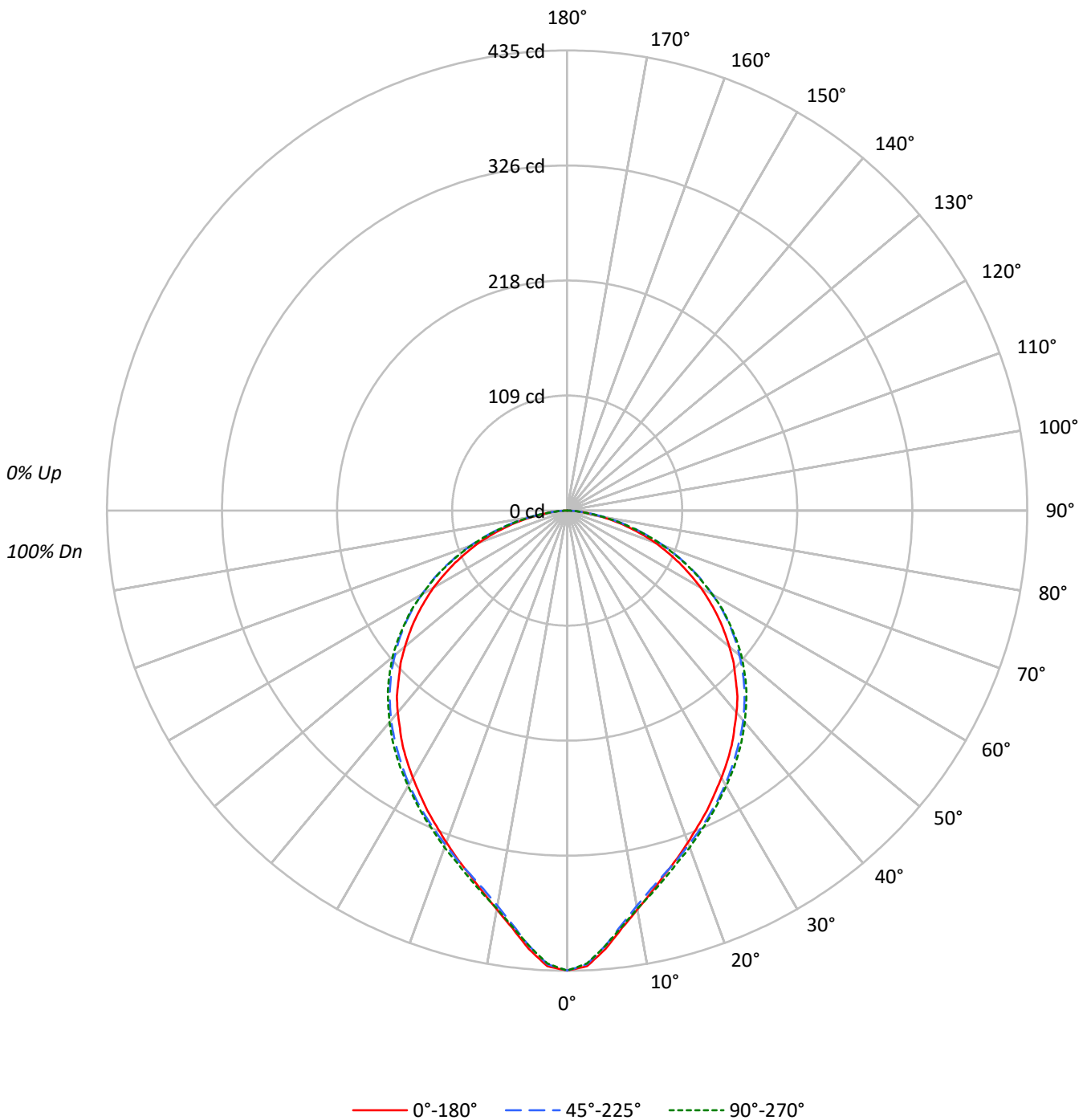
Lumens per Lamp: N/A  
Luminaire Lumens: 1010.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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°	2340	2340	2340
5°	2247	2231	2231
10°	2091	2072	2088
15°	1985	1981	2000
20°	1912	1926	1940
25°	1857	1887	1898
30°	1812	1857	1868
35°	1781	1833	1851
40°	1749	1820	1836
45°	1713	1803	1824
50°	1675	1780	1804
55°	1629	1755	1762
60°	1570	1706	1703
65°	1489	1642	1630
70°	1389	1530	1512
75°	1227	1356	1341
80°	998	1103	1051
85°	692	704	679



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.4	3.8
10°-20°	100.6	10.0
20°-30°	146.4	14.5
30°-40°	174.1	17.2
40°-50°	180.8	17.9
50°-60°	163.8	16.2
60°-70°	123.6	12.2
70°-80°	67.4	6.7
80°-90°	14.8	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°	285.4	28.3
0°-40°	459.6	45.5
0°-60°	804.2	79.6
0°-90°	1010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	416	415	413	413	413	39
15°	356	355	356	358	359	101
25°	313	315	318	320	320	144
35°	271	274	279	283	282	169
45°	225	229	237	240	240	174
55°	174	178	187	188	188	155
65°	117	120	129	129	128	116
75°	59	61	65	66	64	63
85°	11	11	11	11	11	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	434.8	434.8	434.8	434.8	434.8
2.5°	431.0	430.6	429.2	428.6	428.5
5°	415.9	414.9	413.0	412.8	413.0
7.5°	397.9	396.8	394.8	395.6	396.6
10°	382.7	380.0	379.2	380.3	382.1
12.5°	369.1	366.9	366.3	369.1	370.4
15°	356.2	355.3	355.5	357.9	359.0
17.5°	345.0	344.4	345.8	347.7	348.2
20°	333.8	334.9	336.2	338.1	338.8
22.5°	322.8	324.9	327.0	329.6	328.8
25°	312.7	315.3	317.8	320.4	319.7
27.5°	301.9	305.0	308.5	311.3	310.2
30°	291.6	295.4	298.8	302.3	300.6
32.5°	281.4	285.0	289.0	293.2	291.4
35°	271.1	274.3	279.0	283.3	281.8
37.5°	259.7	263.7	269.0	272.7	271.7
40°	249.0	252.7	259.1	261.5	261.3
42.5°	238.3	241.3	248.0	250.8	250.3
45°	225.1	229.1	236.9	239.5	239.7
47.5°	213.5	216.9	225.1	227.2	227.6
50°	200.1	204.4	212.6	215.1	215.5
52.5°	187.0	191.5	200.0	201.8	202.1
55°	173.6	177.7	187.0	188.3	187.8
57.5°	159.6	164.6	173.1	173.7	174.3
60°	145.9	150.3	158.5	159.4	158.2
62.5°	131.0	135.5	144.0	144.2	143.2
65°	116.9	120.3	128.9	128.6	128.0
67.5°	102.1	106.3	112.6	112.8	112.2
70°	88.3	91.2	97.2	97.4	96.1
72.5°	73.5	76.5	81.4	80.7	80.4
75°	59.0	61.4	65.2	65.6	64.5
77.5°	45.7	47.5	50.3	50.0	48.8
80°	32.2	33.6	35.6	35.2	33.9
82.5°	20.5	21.4	22.7	22.2	21.6
85°	11.2	11.3	11.4	11.3	11.0
87.5°	4.1	4.2	4.2	4.1	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)