

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: P490112

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-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: P490112  
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-50-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

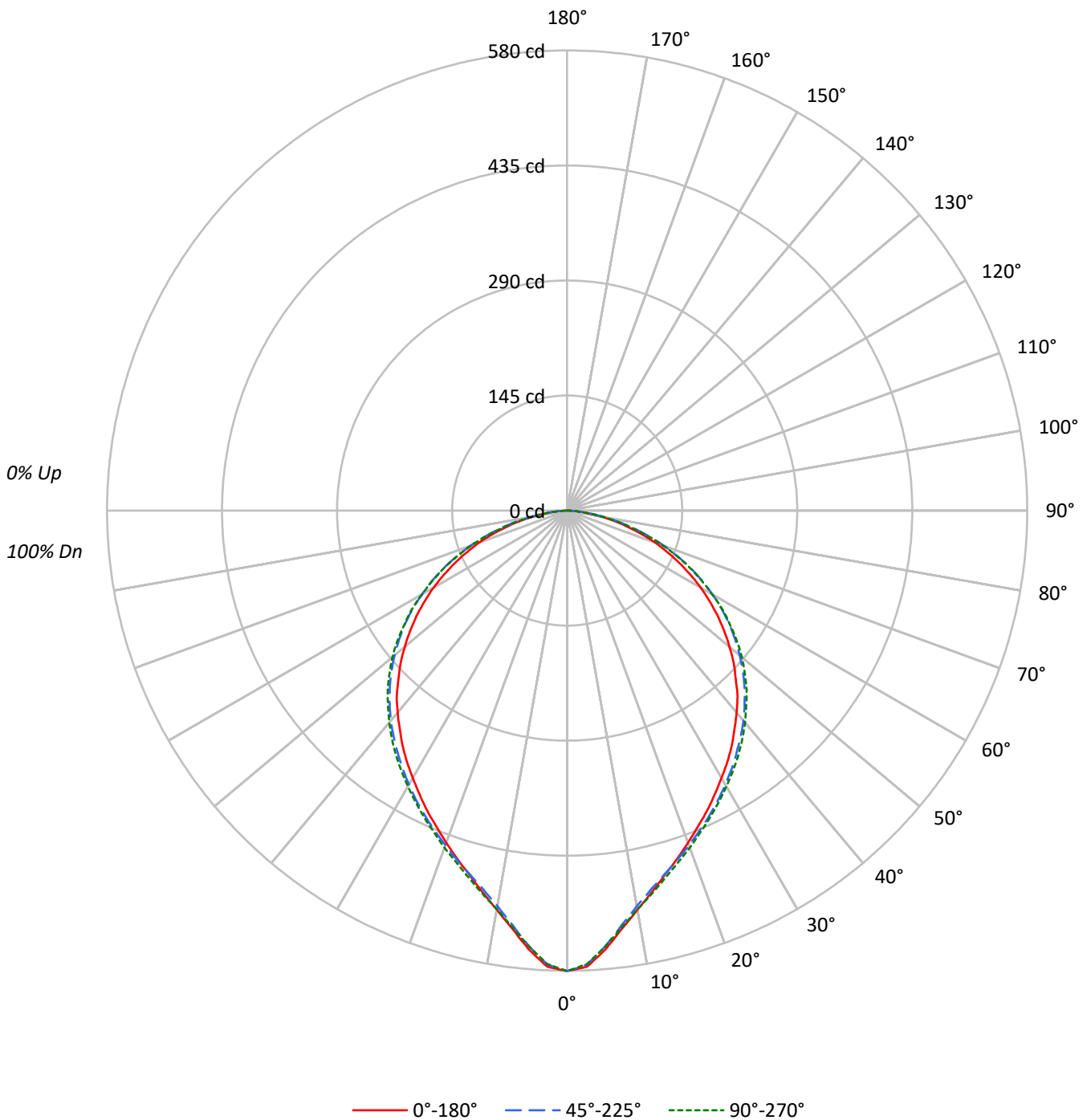
Lumens per Lamp: N/A  
Luminaire Lumens: 1348.1 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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°	3124	3124	3124
5°	2999	2978	2978
10°	2792	2766	2787
15°	2649	2644	2669
20°	2552	2570	2590
25°	2479	2519	2534
30°	2419	2478	2494
35°	2377	2447	2472
40°	2335	2430	2451
45°	2287	2406	2435
50°	2236	2376	2408
55°	2174	2342	2351
60°	2097	2278	2273
65°	1987	2190	2175
70°	1855	2043	2017
75°	1637	1809	1790
80°	1330	1475	1401
85°	920	939	902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	3.8
10°-20°	134.3	10.0
20°-30°	195.3	14.5
30°-40°	232.5	17.2
40°-50°	241.4	17.9
50°-60°	218.7	16.2
60°-70°	165.0	12.2
70°-80°	89.9	6.7
80°-90°	19.8	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°	381.0	28.3
0°-40°	613.4	45.5
0°-60°	1073.4	79.6
0°-90°	1348.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	555	554	551	551	551	52
15°	475	474	474	478	479	134
25°	417	421	424	428	427	192
35°	362	366	372	378	376	226
45°	300	306	316	320	320	232
55°	232	237	250	251	251	207
65°	156	160	172	172	171	154
75°	79	82	87	88	86	84
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	580.4	580.4	580.4	580.4	580.4
2.5°	575.3	574.7	572.8	572.1	572.0
5°	555.1	553.8	551.2	550.9	551.2
7.5°	531.1	529.6	527.0	528.0	529.3
10°	510.8	507.1	506.1	507.6	510.0
12.5°	492.6	489.7	488.9	492.6	494.4
15°	475.4	474.2	474.5	477.7	479.1
17.5°	460.4	459.7	461.6	464.1	464.8
20°	445.5	447.0	448.7	451.3	452.2
22.5°	430.9	433.6	436.5	440.0	438.8
25°	417.4	420.9	424.2	427.7	426.7
27.5°	403.0	407.1	411.7	415.5	414.0
30°	389.2	394.3	398.8	403.4	401.3
32.5°	375.6	380.4	385.8	391.4	388.9
35°	361.8	366.2	372.4	378.1	376.2
37.5°	346.6	352.0	359.1	364.0	362.7
40°	332.4	337.3	345.9	349.1	348.8
42.5°	318.0	322.1	331.1	334.7	334.1
45°	300.5	305.9	316.1	319.6	319.9
47.5°	285.0	289.5	300.5	303.2	303.8
50°	267.1	272.8	283.8	287.1	287.6
52.5°	249.6	255.7	267.0	269.3	269.7
55°	231.7	237.2	249.6	251.3	250.6
57.5°	213.0	219.7	231.0	231.9	232.6
60°	194.8	200.6	211.6	212.7	211.2
62.5°	174.9	180.8	192.2	192.4	191.1
65°	156.0	160.5	172.0	171.7	170.8
67.5°	136.3	141.8	150.2	150.5	149.8
70°	117.9	121.7	129.8	129.9	128.2
72.5°	98.0	102.1	108.6	107.8	107.3
75°	78.7	81.9	87.0	87.6	86.1
77.5°	61.1	63.4	67.1	66.7	65.1
80°	42.9	44.8	47.6	47.0	45.2
82.5°	27.4	28.6	30.3	29.6	28.9
85°	14.9	15.1	15.2	15.1	14.6
87.5°	5.5	5.7	5.7	5.5	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)