

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: P490145

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-35-120-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: P490145  
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-LD4-2STD-35-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

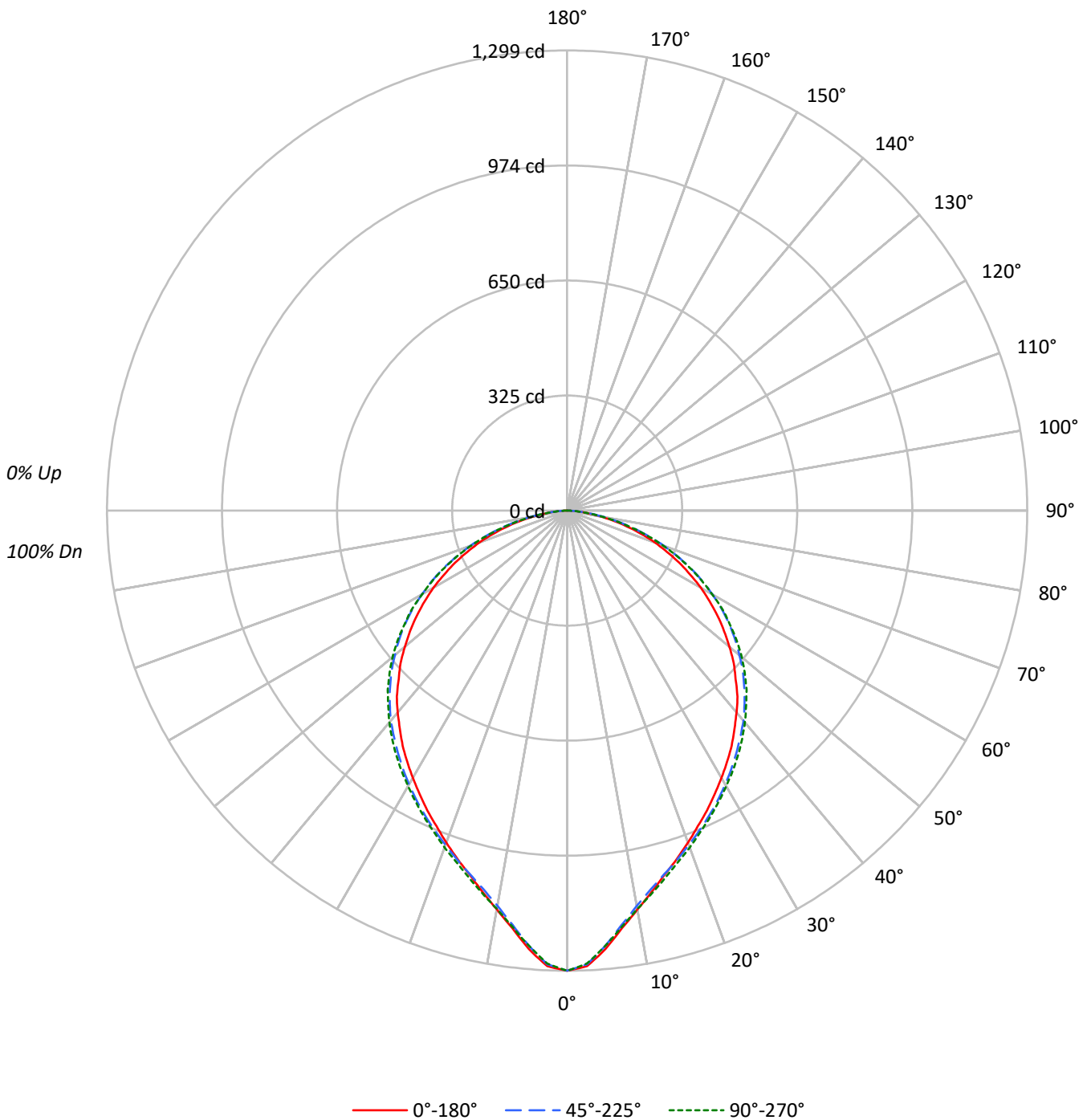
Lumens per Lamp: N/A  
Luminaire Lumens: 3017.1 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6991	6991	6991
5°	6712	6665	6665
10°	6247	6190	6238
15°	5928	5917	5975
20°	5711	5751	5796
25°	5547	5638	5671
30°	5413	5547	5581
35°	5321	5476	5531
40°	5226	5439	5484
45°	5119	5385	5450
50°	5005	5318	5389
55°	4866	5241	5263
60°	4692	5097	5087
65°	4447	4902	4869
70°	4153	4571	4515
75°	3664	4049	4009
80°	2978	3301	3140
85°	2062	2106	2025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	3.8
10°-20°	300.6	10.0
20°-30°	437.2	14.5
30°-40°	520.2	17.2
40°-50°	540.2	17.9
50°-60°	489.4	16.2
60°-70°	369.3	12.2
70°-80°	201.2	6.7
80°-90°	44.2	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
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0°-30°	852.6	28.3
0°-40°	1372.8	45.5
0°-60°	2402.4	79.6
0°-90°	3017.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3017.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1242	1240	1234	1233	1234	115
15°	1064	1061	1062	1069	1072	300
25°	934	942	949	957	955	430
35°	810	820	834	846	842	506
45°	672	684	708	715	716	520
55°	519	531	559	562	561	463
65°	349	359	385	384	382	345
75°	176	183	195	196	193	188
85°	33	34	34	34	33	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1298.9	1298.9	1298.9	1298.9	1298.9
2.5°	1287.5	1286.2	1282.0	1280.4	1280.1
5°	1242.4	1239.5	1233.7	1233.0	1233.7
7.5°	1188.6	1185.3	1179.5	1181.7	1184.7
10°	1143.1	1135.0	1132.7	1136.0	1141.5
12.5°	1102.5	1096.0	1094.1	1102.5	1106.4
15°	1063.9	1061.3	1062.0	1069.1	1072.4
17.5°	1030.5	1028.9	1033.1	1038.6	1040.2
20°	997.1	1000.3	1004.2	1010.1	1012.0
22.5°	964.3	970.4	976.9	984.7	982.1
25°	934.1	941.9	949.4	957.1	954.9
27.5°	902.0	911.0	921.4	929.9	926.6
30°	871.1	882.5	892.6	902.9	898.1
32.5°	840.6	851.3	863.3	876.0	870.5
35°	809.8	819.5	833.5	846.1	841.9
37.5°	775.7	787.7	803.6	814.6	811.7
40°	743.9	754.9	774.1	781.2	780.6
42.5°	711.8	720.9	741.0	749.1	747.8
45°	672.5	684.5	707.5	715.4	716.0
47.5°	637.8	647.8	672.5	678.7	680.0
50°	597.8	610.5	635.2	642.6	643.6
52.5°	558.6	572.2	597.5	602.7	603.7
55°	518.6	531.0	558.6	562.5	560.9
57.5°	476.8	491.7	517.0	519.0	520.6
60°	435.9	448.9	473.5	476.1	472.6
62.5°	391.4	404.7	430.1	430.7	427.8
65°	349.2	359.3	384.9	384.3	382.3
67.5°	305.1	317.4	336.3	336.9	335.3
70°	263.9	272.3	290.5	290.8	286.9
72.5°	219.4	228.5	243.1	241.2	240.2
75°	176.2	183.4	194.7	196.0	192.8
77.5°	136.6	141.8	150.3	149.3	145.7
80°	96.1	100.3	106.5	105.2	101.3
82.5°	61.3	64.0	67.8	66.2	64.6
85°	33.4	33.7	34.1	33.7	32.8
87.5°	12.3	12.7	12.7	12.3	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)