

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: P490143

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-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: P490143  
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-30-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

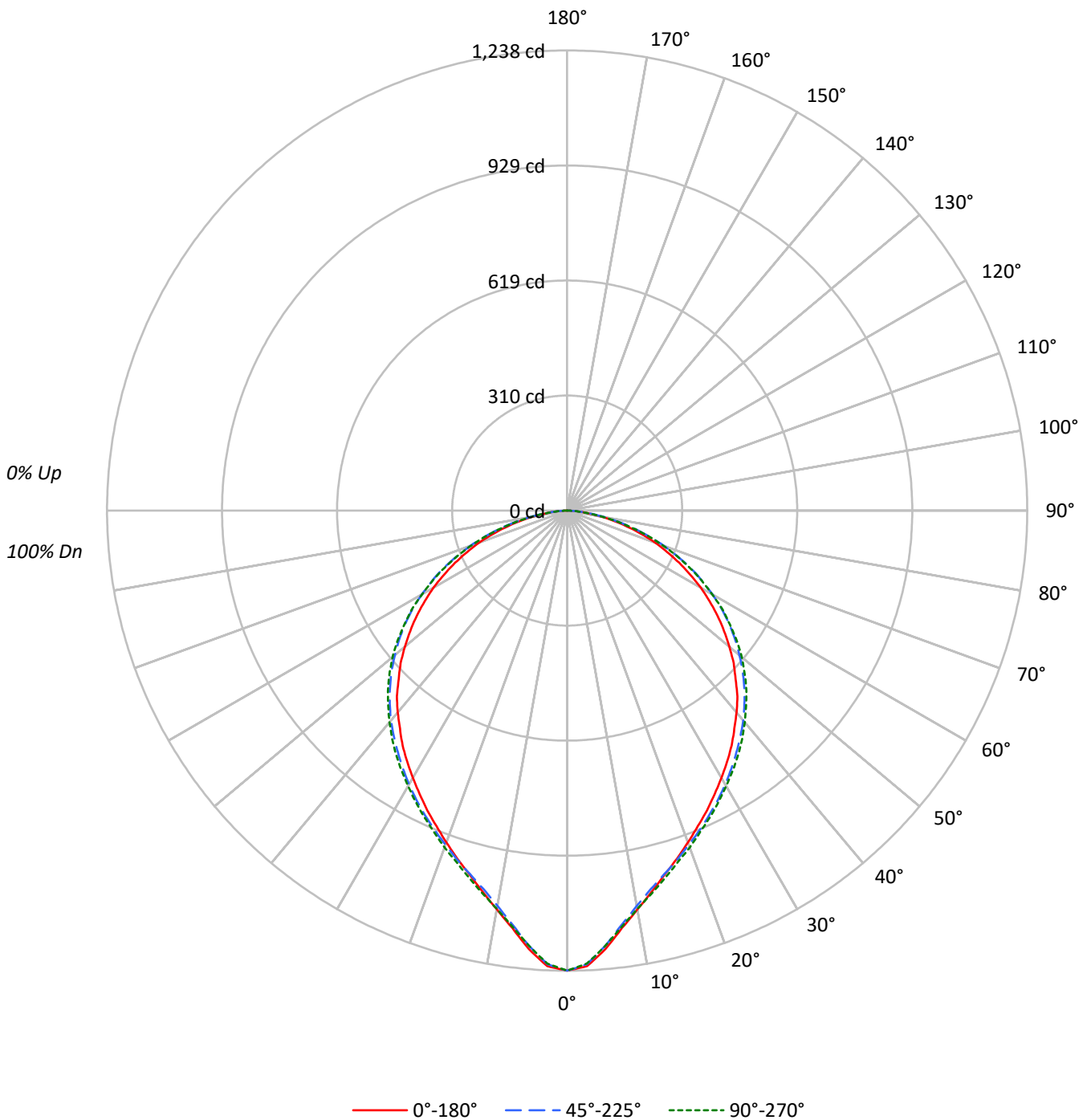
Lumens per Lamp: N/A  
Luminaire Lumens: 2874.6 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.3  
Input Voltage (V): NR  
Input Current (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°	6661	6661	6661
5°	6395	6350	6350
10°	5952	5898	5944
15°	5648	5638	5693
20°	5441	5480	5522
25°	5285	5371	5403
30°	5158	5285	5318
35°	5069	5217	5271
40°	4980	5181	5225
45°	4877	5131	5192
50°	4769	5067	5134
55°	4636	4994	5014
60°	4470	4857	4846
65°	4237	4670	4639
70°	3956	4356	4302
75°	3491	3859	3820
80°	2836	3143	2991
85°	1970	2007	1927



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.8
10°-20°	286.4	10.0
20°-30°	416.5	14.5
30°-40°	495.7	17.2
40°-50°	514.7	17.9
50°-60°	466.3	16.2
60°-70°	351.8	12.2
70°-80°	191.7	6.7
80°-90°	42.1	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°	812.3	28.3
0°-40°	1308.0	45.5
0°-60°	2288.9	79.6
0°-90°	2874.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1184	1181	1175	1175	1175	110
15°	1014	1011	1012	1019	1022	286
25°	890	897	904	912	910	410
35°	772	781	794	806	802	482
45°	641	652	674	682	682	495
55°	494	506	532	536	534	441
65°	333	342	367	366	364	329
75°	168	175	186	187	184	179
85°	32	32	32	32	31	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1237.6	1237.6	1237.6	1237.6	1237.6
2.5°	1226.7	1225.5	1221.5	1219.9	1219.6
5°	1183.8	1181.0	1175.4	1174.8	1175.4
7.5°	1132.4	1129.3	1123.8	1125.9	1128.7
10°	1089.1	1081.4	1079.2	1082.3	1087.6
12.5°	1050.5	1044.3	1042.4	1050.5	1054.2
15°	1013.7	1011.2	1011.8	1018.6	1021.7
17.5°	981.8	980.3	984.3	989.6	991.1
20°	950.0	953.1	956.8	962.3	964.2
22.5°	918.7	924.6	930.8	938.2	935.7
25°	890.0	897.4	904.5	911.9	909.8
27.5°	859.4	868.0	877.9	886.0	882.9
30°	830.0	840.8	850.4	860.3	855.7
32.5°	800.9	811.1	822.6	834.6	829.4
35°	771.5	780.8	794.1	806.2	802.2
37.5°	739.1	750.5	765.7	776.2	773.4
40°	708.8	719.3	737.5	744.3	743.7
42.5°	678.1	686.8	706.0	713.7	712.5
45°	640.7	652.2	674.1	681.6	682.2
47.5°	607.6	617.2	640.7	646.6	647.8
50°	569.6	581.7	605.2	612.3	613.2
52.5°	532.2	545.2	569.3	574.2	575.2
55°	494.1	505.9	532.2	535.9	534.4
57.5°	454.3	468.5	492.6	494.5	496.0
60°	415.3	427.7	451.2	453.6	450.2
62.5°	372.9	385.6	409.7	410.3	407.6
65°	332.7	342.3	366.7	366.1	364.3
67.5°	290.7	302.4	320.4	321.0	319.5
70°	251.4	259.4	276.8	277.1	273.4
72.5°	209.1	217.7	231.6	229.8	228.8
75°	167.9	174.7	185.6	186.8	183.7
77.5°	130.2	135.1	143.2	142.3	138.8
80°	91.5	95.5	101.4	100.2	96.5
82.5°	58.4	60.9	64.6	63.1	61.5
85°	31.9	32.1	32.5	32.1	31.2
87.5°	11.7	12.1	12.1	11.7	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)