

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: P490120

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-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: P490120  
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-LD4-2HI-35-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

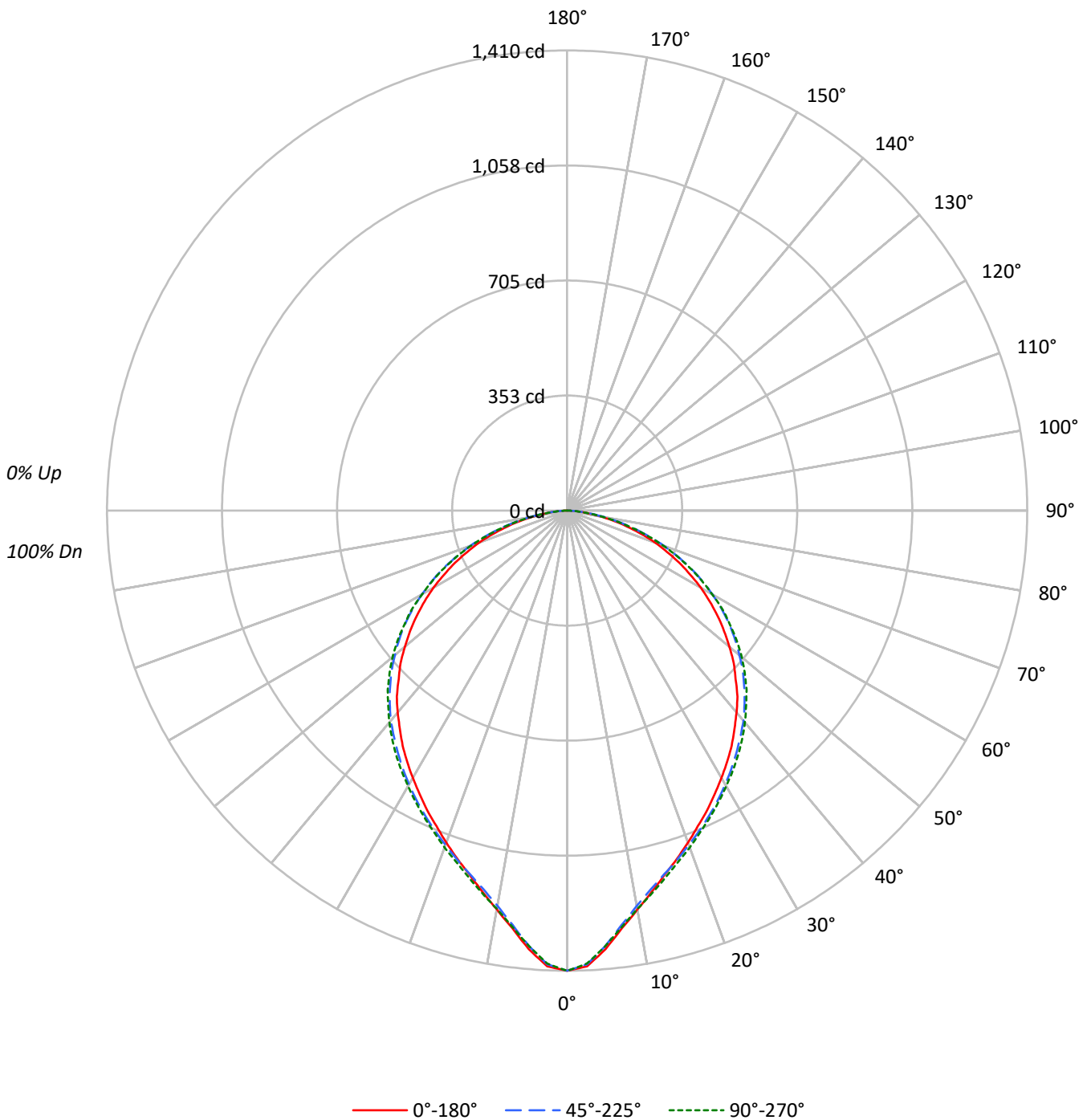
Lumens per Lamp: N/A  
Luminaire Lumens: 3275.1 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 43.2  
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°	7589	7589	7589
5°	7286	7235	7235
10°	6781	6720	6772
15°	6435	6423	6486
20°	6199	6243	6292
25°	6021	6119	6155
30°	5876	6021	6059
35°	5775	5945	6004
40°	5673	5904	5953
45°	5556	5845	5915
50°	5434	5773	5850
55°	5283	5689	5712
60°	5092	5533	5522
65°	4828	5321	5285
70°	4507	4961	4902
75°	3978	4396	4352
80°	3233	3583	3406
85°	2242	2285	2198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.6	3.8
10°-20°	326.3	10.0
20°-30°	474.6	14.5
30°-40°	564.7	17.2
40°-50°	586.4	17.9
50°-60°	531.2	16.2
60°-70°	400.9	12.2
70°-80°	218.4	6.7
80°-90°	48.0	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°	925.5	28.3
0°-40°	1490.2	45.5
0°-60°	2607.8	79.6
0°-90°	3275.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3275.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1349	1346	1339	1338	1339	125
15°	1155	1152	1153	1160	1164	326
25°	1014	1022	1030	1039	1036	467
35°	879	890	905	918	914	550
45°	730	743	768	776	777	564
55°	563	576	606	611	609	503
65°	379	390	418	417	415	375
75°	191	199	211	213	209	204
85°	36	37	37	37	36	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1410.0	1410.0	1410.0	1410.0	1410.0
2.5°	1397.6	1396.2	1391.7	1389.9	1389.5
5°	1348.7	1345.5	1339.2	1338.5	1339.2
7.5°	1290.2	1286.7	1280.3	1282.8	1286.0
10°	1240.9	1232.1	1229.6	1233.1	1239.1
12.5°	1196.8	1189.8	1187.6	1196.8	1201.1
15°	1154.9	1152.1	1152.8	1160.5	1164.0
17.5°	1118.6	1116.9	1121.4	1127.4	1129.2
20°	1082.3	1085.9	1090.1	1096.4	1098.5
22.5°	1046.7	1053.4	1060.5	1068.9	1066.1
25°	1014.0	1022.4	1030.5	1039.0	1036.5
27.5°	979.1	988.9	1000.2	1009.4	1005.9
30°	945.6	957.9	968.9	980.1	974.9
32.5°	912.5	924.1	937.2	950.9	944.9
35°	879.0	889.6	904.8	918.5	913.9
37.5°	842.0	855.1	872.3	884.3	881.2
40°	807.5	819.5	840.3	848.0	847.3
42.5°	772.6	782.5	804.3	813.1	811.7
45°	730.0	743.0	768.0	776.5	777.2
47.5°	692.3	703.2	730.0	736.7	738.1
50°	649.0	662.7	689.5	697.6	698.7
52.5°	606.3	621.1	648.6	654.2	655.3
55°	563.0	576.4	606.3	610.6	608.8
57.5°	517.6	533.8	561.3	563.4	565.1
60°	473.1	487.3	514.0	516.8	513.0
62.5°	424.9	439.3	466.8	467.5	464.3
65°	379.1	390.0	417.8	417.1	415.0
67.5°	331.2	344.6	365.0	365.7	364.0
70°	286.4	295.6	315.3	315.7	311.5
72.5°	238.2	248.0	263.9	261.8	260.7
75°	191.3	199.1	211.4	212.8	209.3
77.5°	148.3	154.0	163.1	162.1	158.2
80°	104.3	108.9	115.6	114.2	109.9
82.5°	66.6	69.4	73.6	71.9	70.1
85°	36.3	36.6	37.0	36.6	35.6
87.5°	13.4	13.7	13.7	13.4	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)