

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: P490001

Luminaire Tested: **CLP-12-2-INS-A12125-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: P490001  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)  
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-A12125-LD4-2STD-35-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

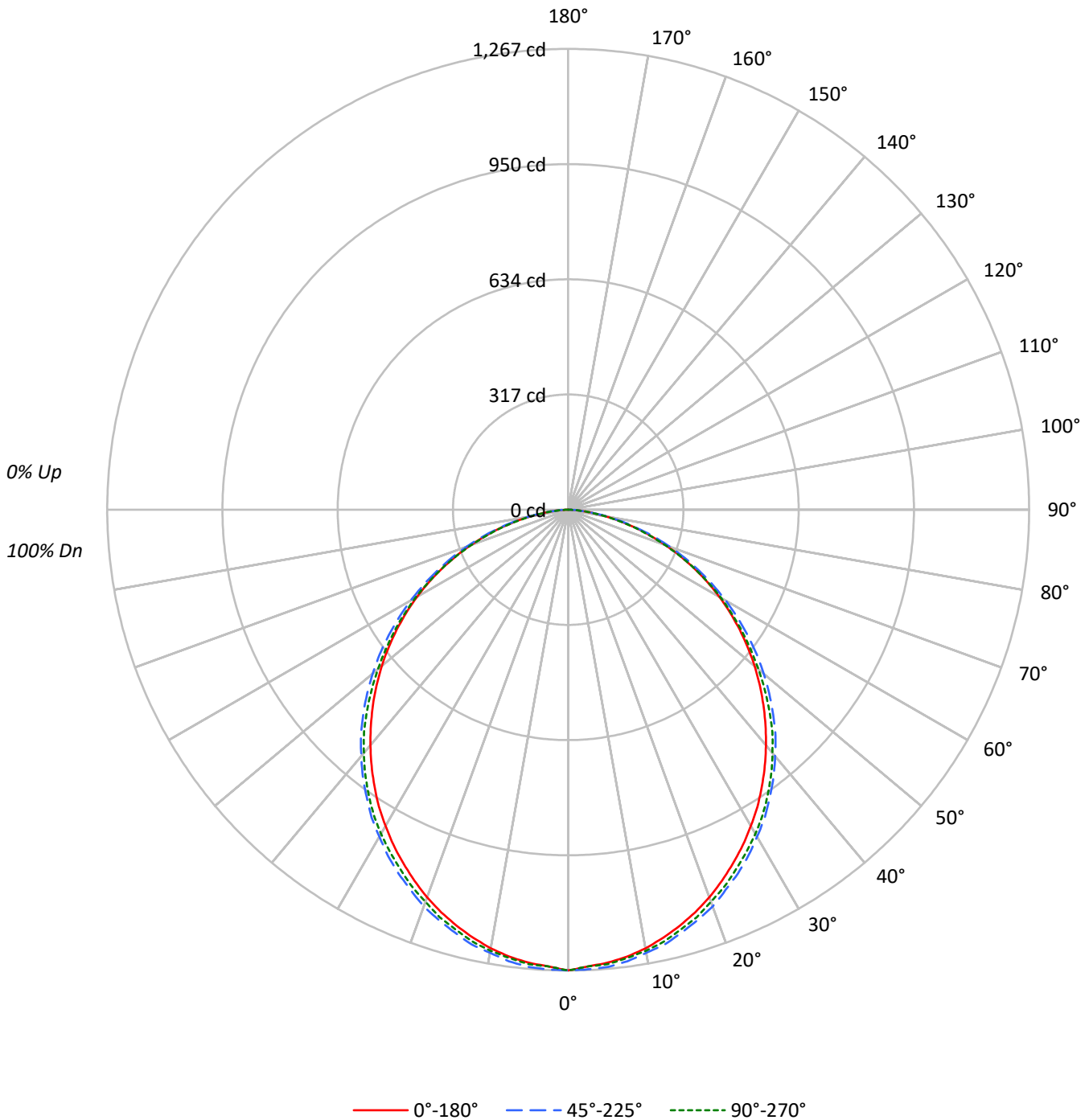
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3330.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6817	6817	6817
5°	6754	6817	6775
10°	6692	6760	6727
15°	6599	6706	6659
20°	6495	6649	6570
25°	6369	6554	6479
30°	6240	6452	6393
35°	6100	6342	6282
40°	5941	6215	6136
45°	5775	6065	5951
50°	5601	5872	5718
55°	5397	5651	5477
60°	5168	5382	5216
65°	4870	5057	4874
70°	4482	4663	4431
75°	3947	4124	3886
80°	3208	3344	3171
85°	2235	2377	2322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.6
10°-20°	338.0	10.2
20°-30°	504.2	15.1
30°-40°	597.5	17.9
40°-50°	604.5	18.2
50°-60°	528.0	15.9
60°-70°	385.8	11.6
70°-80°	205.3	6.2
80°-90°	47.4	1.4
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°	961.5	28.9
0°-40°	1559.0	46.8
0°-60°	2691.5	80.8
0°-90°	3330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1250	1252	1262	1265	1254	119
15°	1184	1192	1204	1211	1195	334
25°	1072	1086	1104	1108	1091	494
35°	928	943	965	972	956	581
45°	759	772	797	798	782	585
55°	575	587	602	594	584	514
65°	382	390	397	389	383	378
75°	190	194	198	191	187	202
85°	36	37	38	39	38	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1266.6	1266.6	1266.6	1266.6	1266.6
2.5°	1256.7	1260.8	1265.0	1266.9	1256.6
5°	1250.1	1252.5	1261.9	1264.8	1254.1
7.5°	1239.3	1242.9	1252.0	1253.3	1243.0
10°	1224.5	1230.9	1236.9	1243.5	1231.0
12.5°	1205.6	1214.2	1224.5	1225.7	1216.2
15°	1184.4	1192.3	1203.5	1210.8	1195.1
17.5°	1160.6	1168.3	1182.8	1184.1	1174.6
20°	1134.1	1143.6	1161.0	1164.1	1147.1
22.5°	1104.0	1116.8	1131.3	1134.3	1121.7
25°	1072.5	1085.7	1103.6	1107.7	1091.0
27.5°	1039.5	1052.2	1072.4	1075.3	1061.1
30°	1004.1	1016.0	1038.2	1043.1	1028.7
32.5°	968.2	980.1	1004.7	1008.8	994.8
35°	928.4	942.9	965.2	971.9	956.2
37.5°	887.7	901.9	927.2	933.3	916.4
40°	845.6	859.6	884.6	889.6	873.4
42.5°	802.6	816.6	843.3	844.1	830.6
45°	758.7	772.1	796.9	797.6	781.9
47.5°	714.1	727.7	749.8	747.3	732.5
50°	668.9	681.9	701.3	696.3	682.9
52.5°	622.2	634.8	653.1	644.9	632.4
55°	575.2	586.9	602.2	593.5	583.7
57.5°	527.9	539.6	551.4	542.5	534.1
60°	480.1	490.4	500.0	491.0	484.6
62.5°	431.5	440.4	448.7	440.1	434.0
65°	382.4	390.2	397.1	389.2	382.7
67.5°	333.6	340.2	346.5	338.4	331.6
70°	284.8	290.5	296.3	287.8	281.6
72.5°	236.6	241.6	246.8	238.6	233.2
75°	189.8	194.1	198.3	191.1	186.9
77.5°	145.0	148.7	151.6	147.0	142.9
80°	103.5	106.2	107.9	106.1	102.3
82.5°	66.5	68.5	69.4	69.3	66.8
85°	36.2	36.8	38.5	38.9	37.6
87.5°	14.0	14.9	15.3	16.5	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)