

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: P490105

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-27-120-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: P490105  
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-27-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

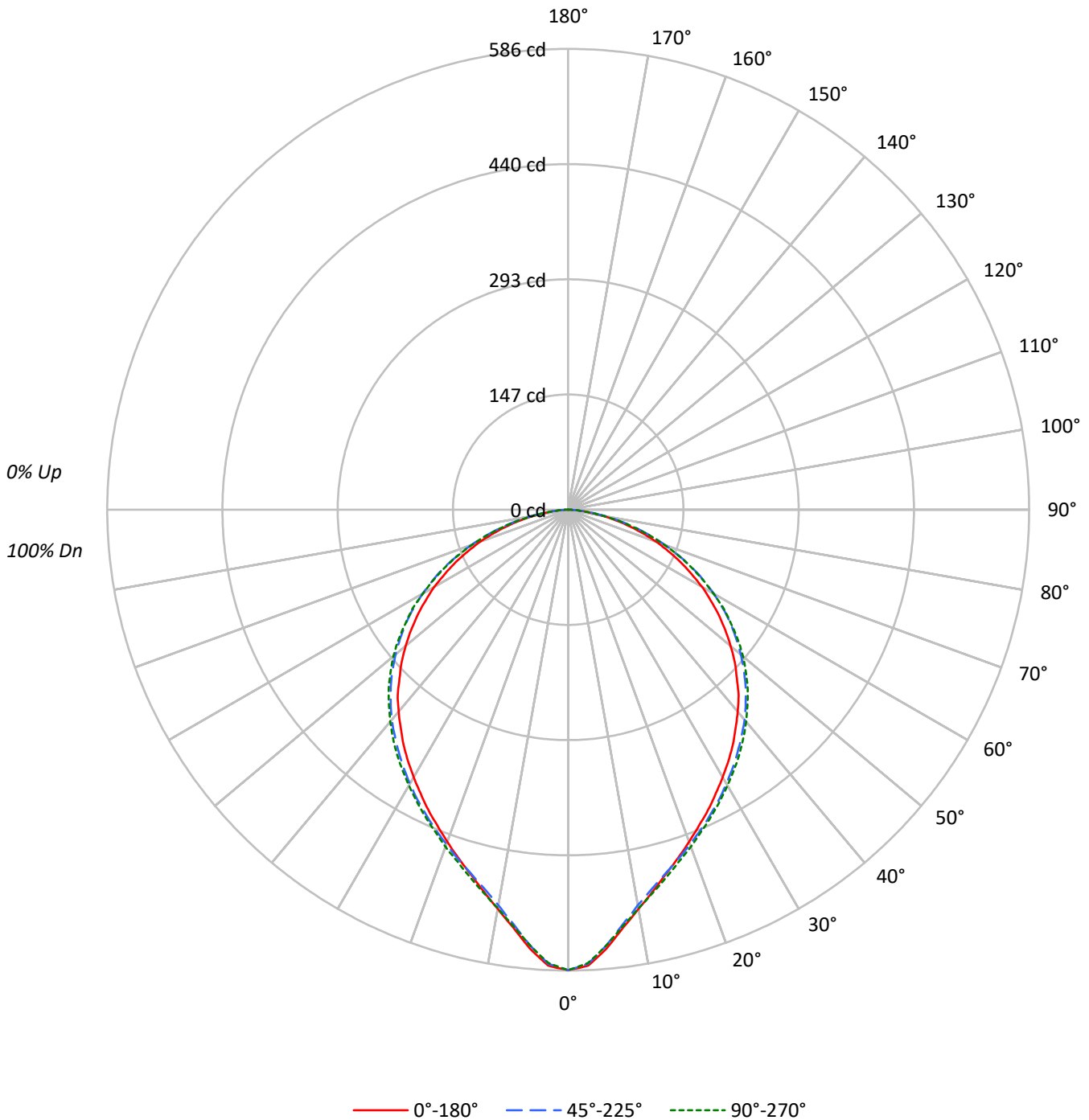
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1360.0 lumens  
Efficiency: N/A  
Efficacy: 81.9 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°	3151	3151	3151
5°	3025	3004	3004
10°	2816	2790	2812
15°	2672	2667	2693
20°	2574	2593	2613
25°	2501	2541	2556
30°	2440	2500	2516
35°	2398	2468	2493
40°	2356	2451	2472
45°	2307	2427	2456
50°	2256	2397	2429
55°	2194	2363	2372
60°	2115	2298	2293
65°	2004	2209	2194
70°	1871	2060	2035
75°	1651	1826	1807
80°	1342	1488	1413
85°	932	951	914



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.7	3.8
10°-20°	135.5	10.0
20°-30°	197.1	14.5
30°-40°	234.5	17.2
40°-50°	243.5	17.9
50°-60°	220.6	16.2
60°-70°	166.5	12.2
70°-80°	90.7	6.7
80°-90°	19.9	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°	384.3	28.3
0°-40°	618.8	45.5
0°-60°	1082.9	79.6
0°-90°	1360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1360.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	560	559	556	556	556	52
15°	480	478	479	482	483	135
25°	421	425	428	431	430	194
35°	365	369	376	381	380	228
45°	303	309	319	322	323	234
55°	234	239	252	254	253	209
65°	157	162	174	173	172	156
75°	79	83	88	88	87	85
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°	585.5	585.5	585.5	585.5	585.5
2.5°	580.4	579.8	577.9	577.2	577.0
5°	560.0	558.7	556.1	555.8	556.1
7.5°	535.8	534.3	531.7	532.7	534.0
10°	515.3	511.6	510.6	512.1	514.5
12.5°	497.0	494.1	493.2	497.0	498.7
15°	479.6	478.4	478.7	481.9	483.4
17.5°	464.5	463.8	465.7	468.2	468.9
20°	449.4	450.9	452.7	455.3	456.2
22.5°	434.7	437.4	440.4	443.9	442.7
25°	421.1	424.6	427.9	431.4	430.4
27.5°	406.6	410.7	415.4	419.2	417.7
30°	392.7	397.8	402.3	407.0	404.8
32.5°	378.9	383.8	389.2	394.9	392.4
35°	365.0	369.4	375.7	381.4	379.5
37.5°	349.7	355.1	362.2	367.2	365.9
40°	335.3	340.3	348.9	352.2	351.9
42.5°	320.8	324.9	334.0	337.7	337.1
45°	303.1	308.6	318.9	322.5	322.7
47.5°	287.5	292.0	303.1	305.9	306.5
50°	269.5	275.2	286.3	289.7	290.1
52.5°	251.8	257.9	269.3	271.7	272.1
55°	233.8	239.3	251.8	253.5	252.8
57.5°	214.9	221.6	233.1	233.9	234.7
60°	196.5	202.3	213.5	214.6	213.0
62.5°	176.4	182.4	193.9	194.1	192.8
65°	157.4	162.0	173.5	173.2	172.3
67.5°	137.5	143.1	151.6	151.9	151.1
70°	118.9	122.7	130.9	131.1	129.3
72.5°	98.9	103.0	109.6	108.7	108.3
75°	79.4	82.7	87.8	88.4	86.9
77.5°	61.6	63.9	67.7	67.3	65.7
80°	43.3	45.2	48.0	47.4	45.6
82.5°	27.6	28.8	30.6	29.8	29.1
85°	15.1	15.2	15.4	15.2	14.8
87.5°	5.6	5.7	5.7	5.6	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)