

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: P490084

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-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: P490084  
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-LD4-1HI-35-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

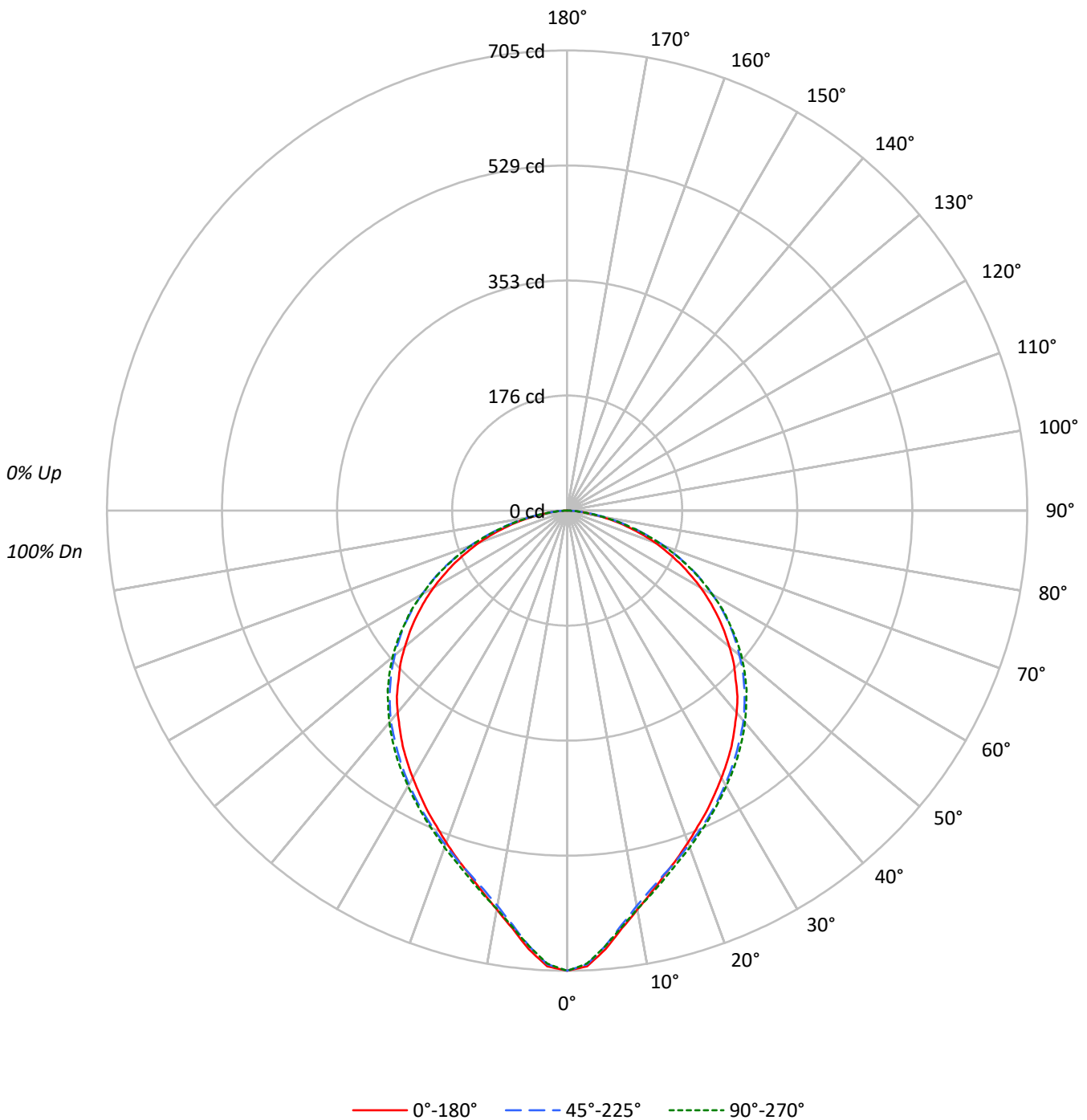
Lumens per Lamp: N/A  
Luminaire Lumens: 1637.6 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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°	3794	3794	3794
5°	3643	3618	3618
10°	3391	3360	3386
15°	3218	3212	3243
20°	3100	3122	3146
25°	3011	3060	3078
30°	2938	3011	3029
35°	2888	2972	3003
40°	2837	2952	2977
45°	2778	2923	2958
50°	2717	2887	2925
55°	2641	2845	2856
60°	2547	2766	2761
65°	2413	2660	2642
70°	2253	2482	2450
75°	1990	2198	2175
80°	1615	1791	1705
85°	1118	1142	1099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	3.8
10°-20°	163.2	10.0
20°-30°	237.3	14.5
30°-40°	282.4	17.2
40°-50°	293.2	17.9
50°-60°	265.6	16.2
60°-70°	200.4	12.2
70°-80°	109.2	6.7
80°-90°	24.0	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°	462.8	28.3
0°-40°	745.1	45.5
0°-60°	1304.0	79.6
0°-90°	1637.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1637.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	705	705	705	705	705	
5°	674	673	670	669	670	63
15°	578	576	576	580	582	163
25°	507	511	515	520	518	234
35°	440	445	452	459	457	275
45°	365	372	384	388	389	282
55°	282	288	303	305	304	251
65°	190	195	209	209	208	187
75°	96	100	106	106	105	102
85°	18	18	18	18	18	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	705.0	705.0	705.0	705.0	705.0
2.5°	698.8	698.1	695.8	695.0	694.8
5°	674.4	672.8	669.6	669.3	669.6
7.5°	645.1	643.3	640.2	641.4	643.0
10°	620.5	616.0	614.8	616.6	619.6
12.5°	598.4	594.9	593.8	598.4	600.6
15°	577.5	576.1	576.4	580.3	582.0
17.5°	559.3	558.4	560.7	563.7	564.6
20°	541.2	542.9	545.1	548.2	549.3
22.5°	523.4	526.7	530.3	534.5	533.1
25°	507.0	511.2	515.3	519.5	518.3
27.5°	489.6	494.5	500.1	504.7	502.9
30°	472.8	479.0	484.5	490.1	487.4
32.5°	456.3	462.1	468.6	475.5	472.5
35°	439.5	444.8	452.4	459.3	457.0
37.5°	421.0	427.6	436.2	442.2	440.6
40°	403.8	409.8	420.2	424.0	423.7
42.5°	386.3	391.3	402.2	406.6	405.9
45°	365.0	371.5	384.0	388.3	388.6
47.5°	346.2	351.6	365.0	368.4	369.1
50°	324.5	331.4	344.8	348.8	349.3
52.5°	303.2	310.6	324.3	327.1	327.7
55°	281.5	288.2	303.2	305.3	304.4
57.5°	258.8	266.9	280.6	281.7	282.6
60°	236.6	243.6	257.0	258.4	256.5
62.5°	212.5	219.7	233.4	233.8	232.2
65°	189.5	195.0	208.9	208.6	207.5
67.5°	165.6	172.3	182.5	182.9	182.0
70°	143.2	147.8	157.7	157.8	155.7
72.5°	119.1	124.0	131.9	130.9	130.4
75°	95.7	99.5	105.7	106.4	104.6
77.5°	74.2	77.0	81.6	81.0	79.1
80°	52.1	54.4	57.8	57.1	55.0
82.5°	33.3	34.7	36.8	35.9	35.1
85°	18.1	18.3	18.5	18.3	17.8
87.5°	6.7	6.9	6.9	6.7	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)