

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: P490086

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-40-120-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: P490086  
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-40-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

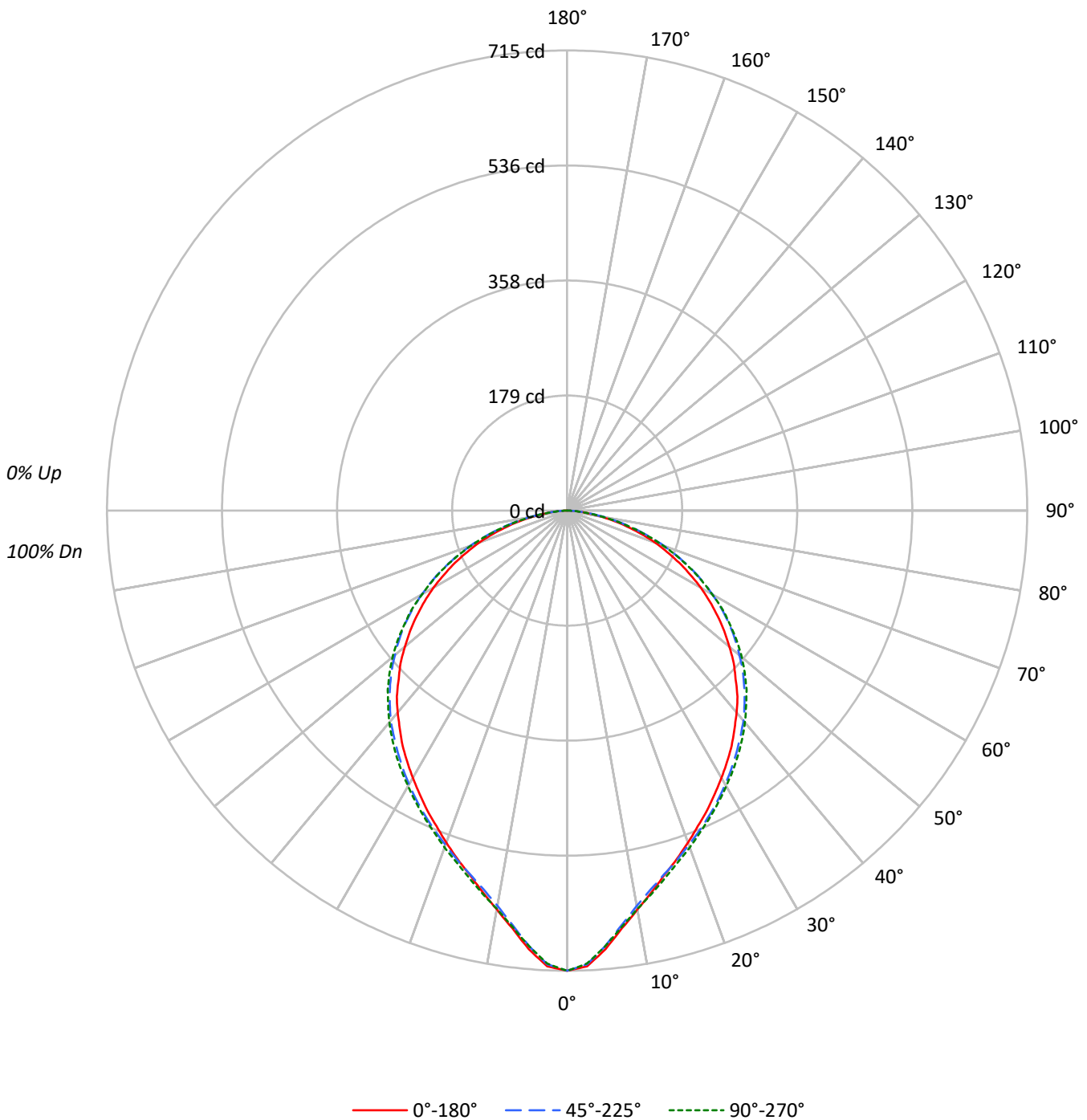
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1660.8 lumens  
Efficiency: N/A  
Efficacy: 76.9 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): 21.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3848	3848	3848
5°	3695	3669	3669
10°	3439	3407	3434
15°	3263	3257	3289
20°	3143	3166	3191
25°	3053	3103	3121
30°	2980	3053	3072
35°	2929	3014	3045
40°	2877	2994	3019
45°	2818	2965	3000
50°	2756	2927	2966
55°	2679	2885	2897
60°	2582	2806	2800
65°	2448	2699	2681
70°	2285	2516	2485
75°	2017	2229	2206
80°	1640	1816	1726
85°	1136	1161	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.2	3.8
10°-20°	165.5	10.0
20°-30°	240.7	14.5
30°-40°	286.4	17.2
40°-50°	297.4	17.9
50°-60°	269.4	16.2
60°-70°	203.3	12.2
70°-80°	110.7	6.7
80°-90°	24.3	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°	469.3	28.3
0°-40°	755.7	45.5
0°-60°	1322.4	79.6
0°-90°	1660.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1660.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	715	715	715	715	715	
5°	684	682	679	679	679	63
15°	586	584	585	588	590	165
25°	514	518	523	527	526	237
35°	446	451	459	466	463	279
45°	370	377	390	394	394	286
55°	286	292	308	310	309	255
65°	192	198	212	212	210	190
75°	97	101	107	108	106	103
85°	18	19	19	19	18	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	715.0	715.0	715.0	715.0	715.0
2.5°	708.7	708.0	705.7	704.8	704.6
5°	683.9	682.3	679.1	678.7	679.1
7.5°	654.3	652.5	649.3	650.5	652.1
10°	629.2	624.8	623.5	625.3	628.3
12.5°	606.9	603.3	602.3	606.9	609.1
15°	585.6	584.2	584.6	588.5	590.3
17.5°	567.3	566.4	568.7	571.7	572.6
20°	548.8	550.6	552.8	556.0	557.1
22.5°	530.8	534.2	537.8	542.1	540.6
25°	514.2	518.5	522.6	526.9	525.6
27.5°	496.5	501.5	507.2	511.9	510.1
30°	479.5	485.8	491.3	497.0	494.4
32.5°	462.7	468.6	475.2	482.2	479.2
35°	445.8	451.1	458.8	465.8	463.4
37.5°	427.0	433.6	442.4	448.4	446.8
40°	409.5	415.6	426.1	430.0	429.7
42.5°	391.8	396.8	407.9	412.3	411.6
45°	370.2	376.8	389.5	393.8	394.1
47.5°	351.1	356.6	370.2	373.6	374.3
50°	329.1	336.1	349.6	353.7	354.3
52.5°	307.5	315.0	328.9	331.8	332.3
55°	285.5	292.3	307.5	309.6	308.7
57.5°	262.5	270.7	284.6	285.7	286.6
60°	239.9	247.1	260.7	262.1	260.1
62.5°	215.5	222.8	236.7	237.1	235.5
65°	192.2	197.8	211.9	211.5	210.5
67.5°	167.9	174.7	185.1	185.4	184.6
70°	145.2	149.9	159.9	160.1	157.9
72.5°	120.8	125.8	133.8	132.7	132.2
75°	97.0	100.9	107.2	107.9	106.1
77.5°	75.2	78.1	82.7	82.2	80.2
80°	52.9	55.2	58.6	57.9	55.7
82.5°	33.8	35.2	37.3	36.4	35.6
85°	18.4	18.6	18.8	18.6	18.0
87.5°	6.8	7.0	7.0	6.8	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)