

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: P489965

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-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: P489965  
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-LD4-1STD-35-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

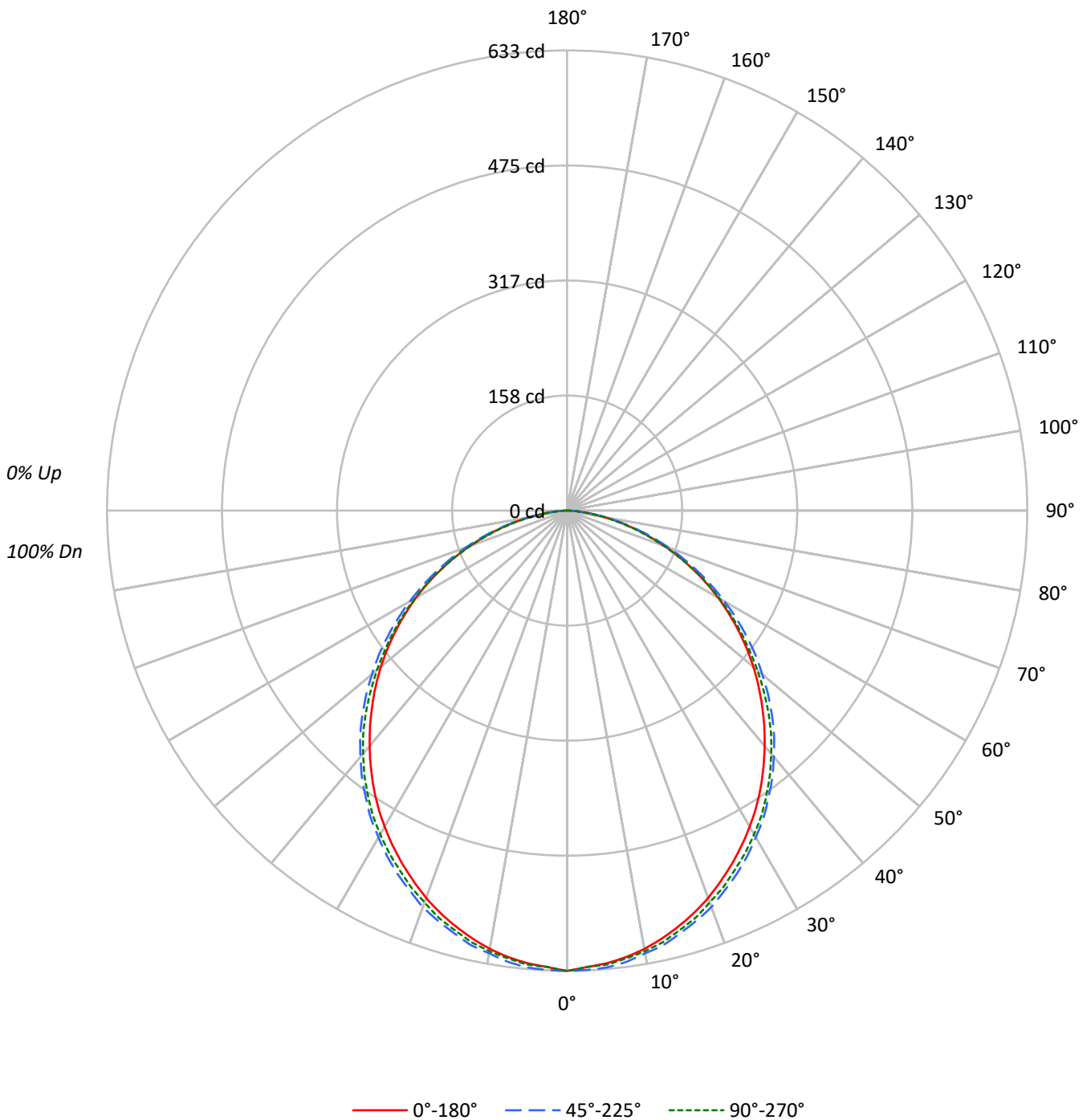
Lumens per Lamp: N/A  
Luminaire Lumens: 1665.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.6  
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	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°	3408	3408	3408
5°	3377	3408	3387
10°	3346	3380	3364
15°	3300	3353	3329
20°	3248	3325	3285
25°	3184	3277	3239
30°	3120	3226	3196
35°	3050	3171	3141
40°	2970	3107	3068
45°	2887	3033	2976
50°	2801	2936	2859
55°	2699	2825	2738
60°	2583	2691	2608
65°	2435	2528	2437
70°	2241	2330	2216
75°	1973	2063	1942
80°	1602	1674	1584
85°	1118	1192	1161



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.6	3.6
10°-20°	169.0	10.2
20°-30°	252.1	15.1
30°-40°	298.7	17.9
40°-50°	302.3	18.2
50°-60°	264.0	15.9
60°-70°	192.9	11.6
70°-80°	102.6	6.2
80°-90°	23.7	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°	480.8	28.9
0°-40°	779.5	46.8
0°-60°	1345.7	80.8
0°-90°	1665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	625	626	631	632	627	59
15°	592	596	602	605	598	167
25°	536	543	552	554	546	247
35°	464	471	483	486	478	290
45°	379	386	398	399	391	293
55°	288	293	301	297	292	257
65°	191	195	198	195	191	189
75°	95	97	99	96	93	101
85°	18	18	19	20	19	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	633.3	633.3	633.3	633.3	633.3
2.5°	628.4	630.4	632.5	633.4	628.3
5°	625.1	626.2	630.9	632.4	627.0
7.5°	619.6	621.4	626.0	626.6	621.5
10°	612.3	615.4	618.5	621.8	615.5
12.5°	602.8	607.1	612.3	612.9	608.1
15°	592.2	596.2	601.8	605.4	597.5
17.5°	580.3	584.1	591.4	592.1	587.3
20°	567.1	571.8	580.5	582.0	573.5
22.5°	552.0	558.4	565.7	567.1	560.9
25°	536.2	542.8	551.8	553.9	545.5
27.5°	519.7	526.1	536.2	537.6	530.6
30°	502.1	508.0	519.1	521.5	514.3
32.5°	484.1	490.1	502.3	504.4	497.4
35°	464.2	471.4	482.6	486.0	478.1
37.5°	443.9	450.9	463.6	466.6	458.2
40°	422.8	429.8	442.3	444.8	436.7
42.5°	401.3	408.3	421.6	422.0	415.3
45°	379.3	386.1	398.5	398.8	391.0
47.5°	357.0	363.8	374.9	373.7	366.3
50°	334.5	340.9	350.6	348.1	341.5
52.5°	311.1	317.4	326.6	322.5	316.2
55°	287.6	293.4	301.1	296.7	291.8
57.5°	263.9	269.8	275.7	271.3	267.0
60°	240.0	245.2	250.0	245.5	242.3
62.5°	215.8	220.2	224.3	220.1	217.0
65°	191.2	195.1	198.5	194.6	191.4
67.5°	166.8	170.1	173.3	169.2	165.8
70°	142.4	145.2	148.1	143.9	140.8
72.5°	118.3	120.8	123.4	119.3	116.6
75°	94.9	97.1	99.2	95.5	93.4
77.5°	72.5	74.4	75.8	73.5	71.5
80°	51.7	53.1	54.0	53.1	51.1
82.5°	33.3	34.2	34.7	34.6	33.4
85°	18.1	18.4	19.3	19.5	18.8
87.5°	7.0	7.5	7.7	8.2	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)