

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: P735666

Luminaire Tested: **22APR-30-B2750-W2D-CP125-4000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P735666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P708781)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 22APR-30-B2750-W2D-CP125-4000K  
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT, AND CP125 LENS

Light Source: -  
Ballast/Driver: -

**Summary**

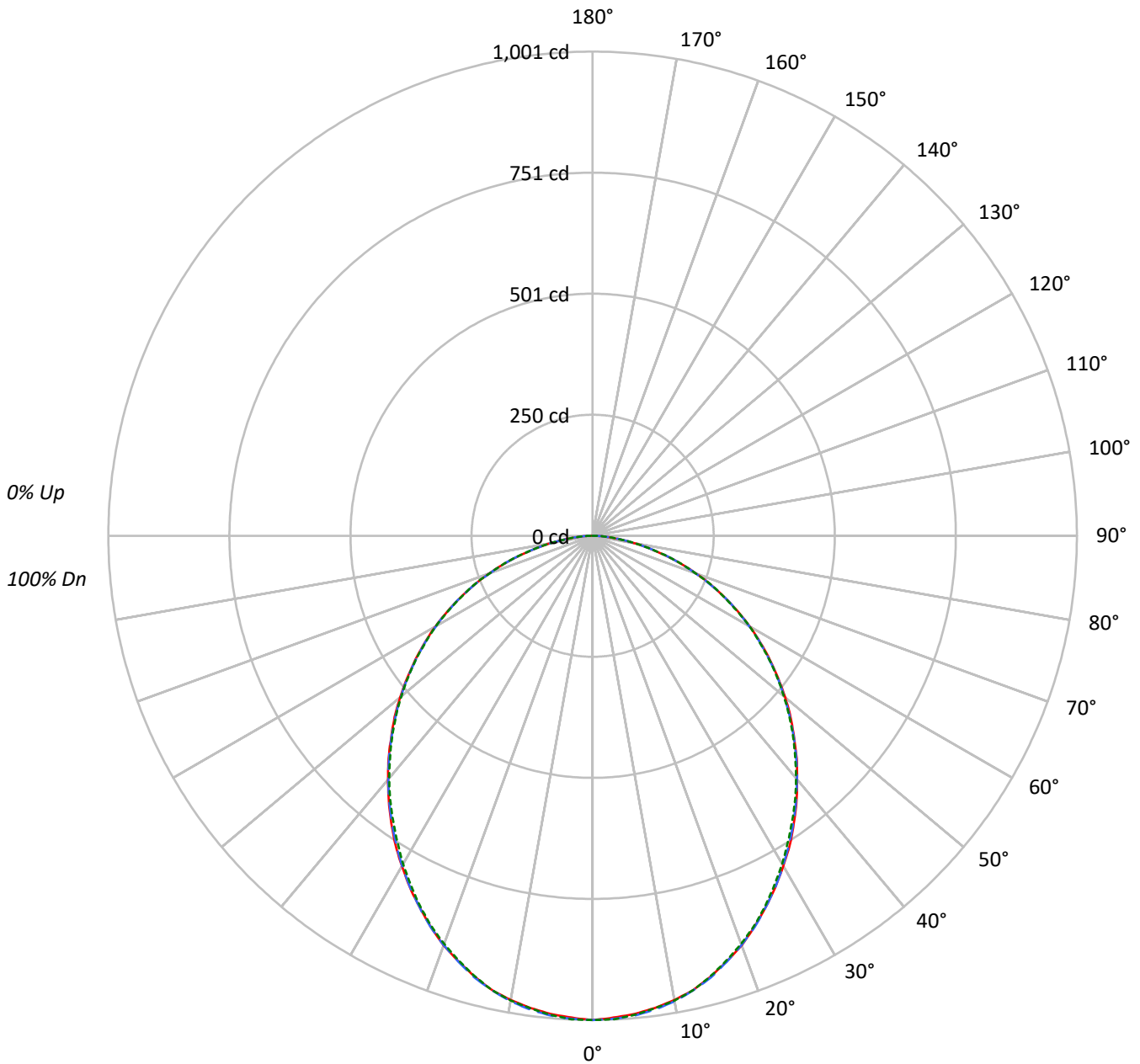
Lumens per Lamp: N/A  
Luminaire Lumens: 2558.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 33  
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71																			
3	91	80	72	66	88	79	71	65	76	69	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	53	51																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	2694	2694	2694
5°	2680	2690	2686
10°	2662	2670	2666
15°	2628	2634	2626
20°	2580	2578	2570
25°	2515	2515	2507
30°	2449	2447	2434
35°	2383	2376	2362
40°	2310	2308	2298
45°	2240	2237	2229
50°	2174	2165	2160
55°	2099	2089	2089
60°	2020	2013	2017
65°	1915	1920	1907
70°	1791	1779	1779
75°	1596	1603	1603
80°	1350	1350	1361
85°	1022	1022	1047



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	3.7
10°-20°	266.0	10.4
20°-30°	390.1	15.2
30°-40°	452.5	17.7
40°-50°	453.7	17.7
50°-60°	399.0	15.6
60°-70°	297.8	11.6
70°-80°	163.9	6.4
80°-90°	40.5	1.6
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°	750.5	29.3
0°-40°	1203.0	47.0
0°-60°	2055.8	80.4
0°-90°	2558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	992	996	996	996	994	94
15°	943	947	945	944	942	266
25°	847	850	847	846	844	390
35°	725	726	723	721	719	454
45°	588	590	588	587	586	455
55°	447	448	445	446	445	400
65°	301	301	302	300	300	298
75°	154	154	154	153	154	164
85°	33	34	33	33	34	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	997.1	1000.5	999.8	1002.0	1000.5
5°	992.3	995.7	995.7	995.7	994.3
7.5°	984.6	988.1	988.1	988.1	985.3
10°	974.3	977.8	977.1	977.1	975.6
12.5°	961.9	963.9	962.5	962.5	961.9
15°	943.2	947.3	945.3	943.8	942.5
17.5°	922.4	926.6	923.1	922.4	920.4
20°	901.0	903.7	900.3	900.3	897.5
22.5°	874.7	877.4	875.4	874.1	872.6
25°	847.0	850.5	847.0	846.3	844.3
27.5°	818.7	821.4	818.0	815.2	813.9
30°	788.3	790.3	787.6	785.5	783.4
32.5°	758.5	758.5	755.8	753.7	751.0
35°	725.4	726.1	723.3	721.2	719.1
37.5°	692.2	693.5	690.8	688.8	687.3
40°	657.7	659.0	656.9	654.8	654.2
42.5°	624.4	624.4	623.1	620.9	619.6
45°	588.5	590.5	587.8	587.1	585.6
47.5°	555.2	555.2	552.5	551.1	551.1
50°	519.3	520.7	517.2	516.5	515.9
52.5°	483.3	482.6	481.9	481.3	480.6
55°	447.3	448.0	445.3	446.0	445.3
57.5°	411.4	410.7	410.0	409.4	408.7
60°	375.4	374.8	374.1	373.4	374.8
62.5°	338.1	338.8	336.8	338.8	336.1
65°	300.8	300.8	301.5	300.1	299.5
67.5°	264.9	264.9	263.4	263.4	266.2
70°	227.6	228.2	226.1	228.9	226.1
72.5°	190.8	191.5	190.8	190.1	191.5
75°	153.5	154.2	154.2	152.8	154.2
77.5°	119.6	120.4	119.6	118.9	119.6
80°	87.1	87.8	87.1	86.4	87.8
82.5°	58.0	58.7	58.0	58.0	58.7
85°	33.1	33.9	33.1	33.1	33.9
87.5°	13.2	13.9	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)