

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: P735679

Luminaire Tested: **22APR-34-B2750-W2D-CP125-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735679
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-34-B2750-W2D-CP125-3000K
Description: 2X2 3400 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

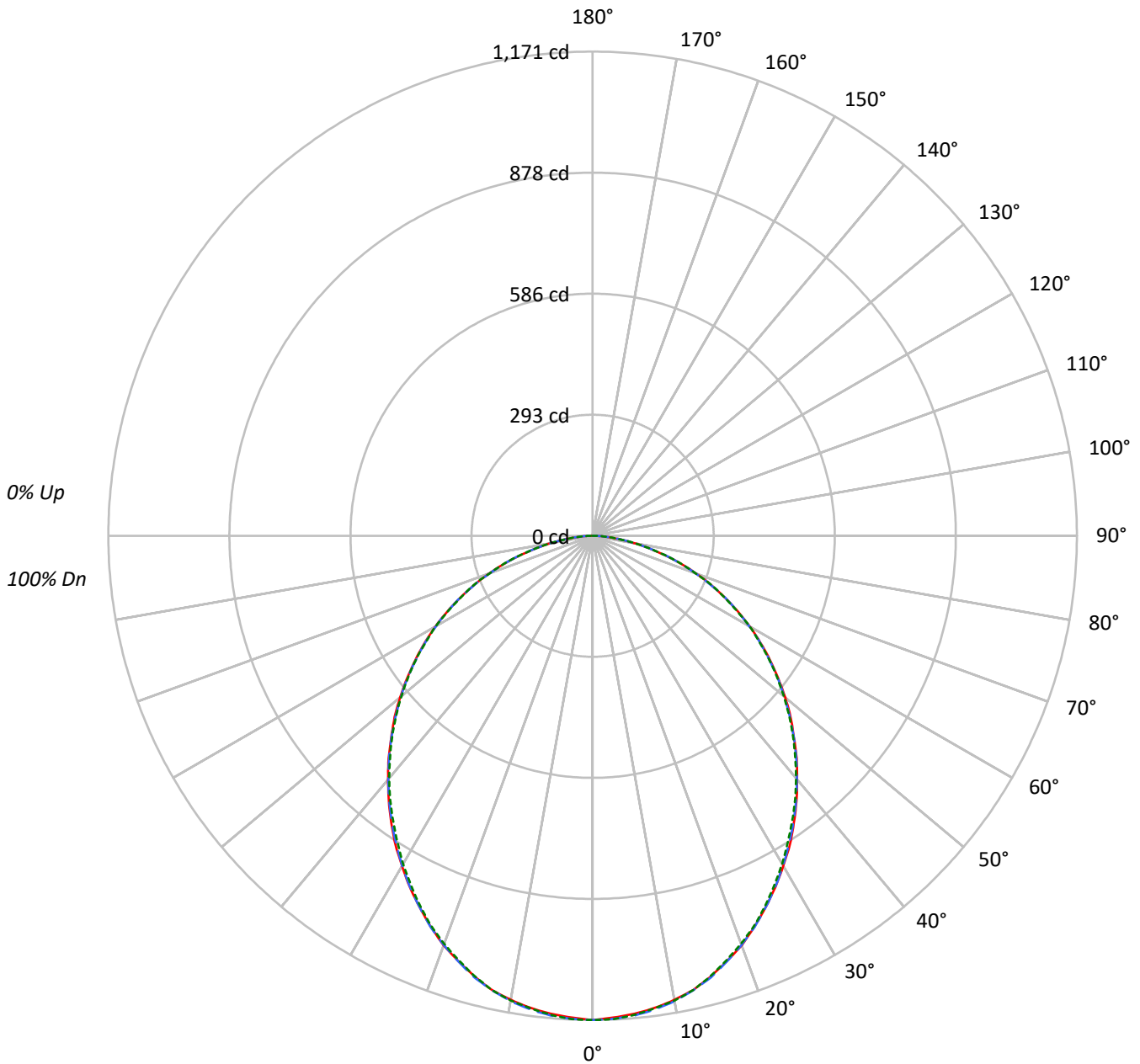
Lumens per Lamp: N/A
Luminaire Lumens: 2992.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38
Input Voltage (V): NR
Input Current (A_{in}): 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°	3151	3151	3151
5°	3135	3146	3142
10°	3114	3123	3118
15°	3074	3080	3071
20°	3018	3015	3006
25°	2942	2942	2932
30°	2865	2862	2847
35°	2787	2780	2763
40°	2702	2699	2688
45°	2619	2616	2607
50°	2543	2532	2526
55°	2455	2443	2443
60°	2363	2355	2359
65°	2240	2245	2230
70°	2094	2081	2081
75°	1866	1876	1876
80°	1579	1579	1592
85°	1198	1198	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.7
10°-20°	311.2	10.4
20°-30°	456.3	15.2
30°-40°	529.3	17.7
40°-50°	530.7	17.7
50°-60°	466.7	15.6
60°-70°	348.3	11.6
70°-80°	191.7	6.4
80°-90°	47.4	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°	877.9	29.3
0°-40°	1407.2	47.0
0°-60°	2404.6	80.4
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1161	1165	1165	1165	1163	110
15°	1103	1108	1106	1104	1102	311
25°	991	995	991	990	988	456
35°	848	849	846	844	841	531
45°	688	691	688	687	685	532
55°	523	524	521	522	521	468
65°	352	352	353	351	350	349
75°	180	180	180	179	180	192
85°	39	40	39	39	40	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.1	1171.1	1171.1	<i>1171.1</i>	1171.1
2.5°	<i>1166.2</i>	<i>1170.3</i>	<i>1169.4</i>	<i>1172.0</i>	<i>1170.3</i>
5°	1160.6	1164.7	1164.7	<i>1164.7</i>	1163.0
7.5°	1151.7	1155.7	1155.7	<i>1155.7</i>	1152.5
10°	1139.6	1143.7	1142.9	<i>1142.9</i>	1141.2
12.5°	1125.1	1127.5	1125.8	<i>1125.8</i>	1125.1
15°	1103.3	1108.0	1105.6	<i>1104.0</i>	1102.4
17.5°	1078.9	1083.8	1079.7	<i>1078.9</i>	1076.5
20°	1053.9	1057.1	1053.0	<i>1053.0</i>	1049.8
22.5°	1023.1	1026.3	1023.9	<i>1022.4</i>	1020.7
25°	990.8	994.8	990.8	<i>989.9</i>	987.5
27.5°	957.6	960.8	956.7	<i>953.5</i>	952.0
30°	922.0	924.4	921.2	<i>918.8</i>	916.3
32.5°	887.2	887.2	884.0	<i>881.6</i>	878.4
35°	848.4	849.3	846.1	<i>843.5</i>	841.2
37.5°	809.7	811.2	808.0	<i>805.6</i>	803.9
40°	769.2	770.8	768.4	<i>765.9</i>	765.2
42.5°	730.3	730.3	728.8	<i>726.3</i>	724.7
45°	688.3	690.7	687.5	<i>686.7</i>	685.0
47.5°	649.4	649.4	646.2	<i>644.5</i>	644.5
50°	607.5	609.0	604.9	<i>604.1</i>	603.4
52.5°	565.3	564.5	563.7	<i>563.0</i>	562.1
55°	523.2	524.1	520.8	<i>521.7</i>	520.8
57.5°	481.2	480.4	479.6	<i>478.9</i>	478.0
60°	439.1	438.4	437.6	<i>436.7</i>	438.4
62.5°	395.5	396.3	393.9	<i>396.3</i>	393.1
65°	351.8	351.8	352.6	<i>351.0</i>	350.3
67.5°	309.8	309.8	308.1	<i>308.1</i>	311.4
70°	266.2	266.9	264.5	<i>267.7</i>	264.5
72.5°	223.2	224.0	223.2	<i>222.4</i>	224.0
75°	179.5	180.4	180.4	<i>178.7</i>	180.4
77.5°	139.9	140.8	139.9	<i>139.1</i>	139.9
80°	101.9	102.7	101.9	<i>101.0</i>	102.7
82.5°	67.9	68.7	67.9	<i>67.9</i>	68.7
85°	38.8	39.6	38.8	<i>38.8</i>	39.6
87.5°	15.4	16.2	16.2	<i>16.2</i>	16.2
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)