

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: P735677

Luminaire Tested: **22APR-34-B2750-W2D-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735677
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-5000K
Description: 2X2 3400 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT

Light Source: -
Ballast/Driver: -

Summary

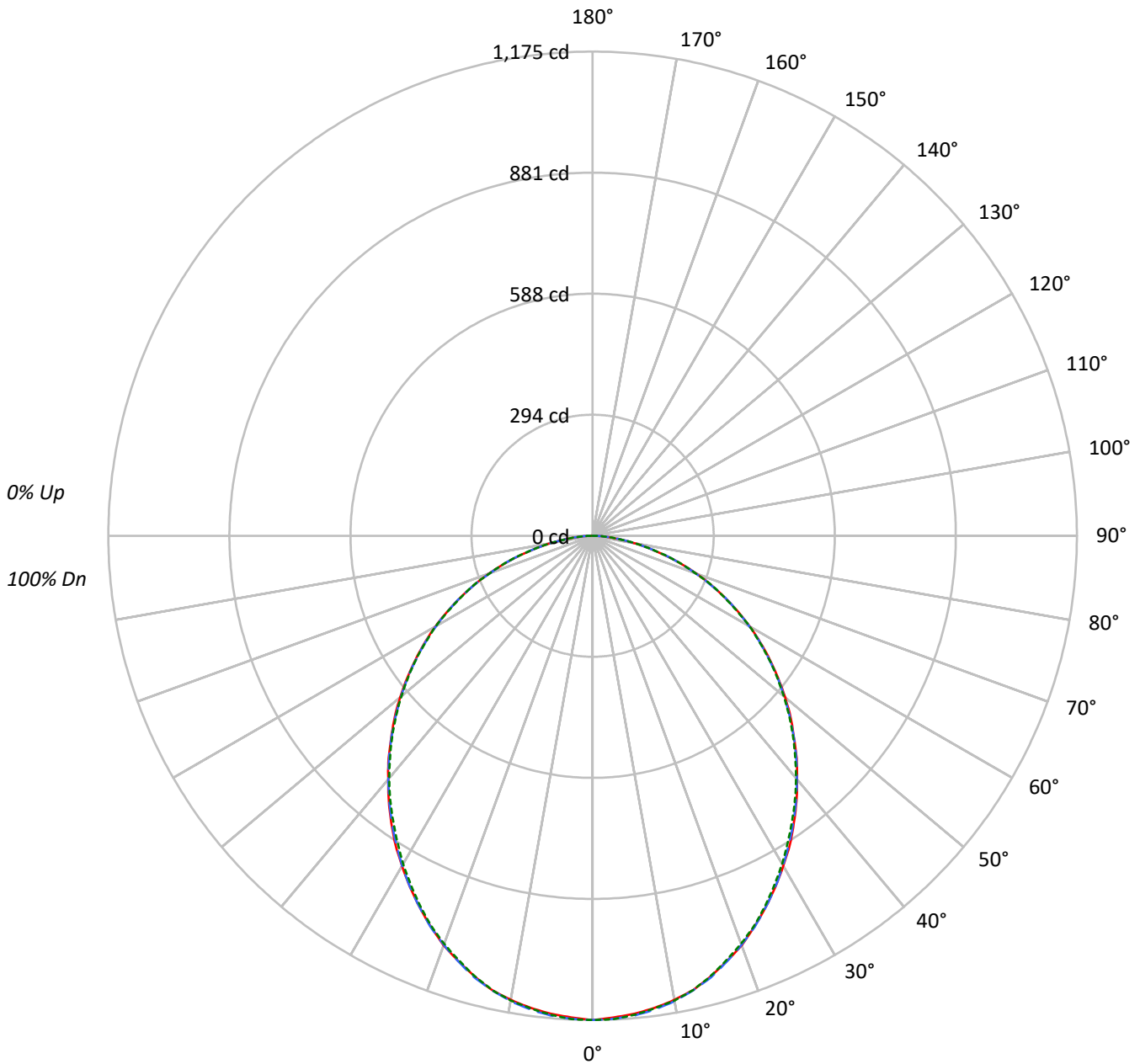
Lumens per Lamp: N/A
Luminaire Lumens: 3002.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3162	3162	3162
5°	3146	3157	3152
10°	3125	3133	3129
15°	3084	3090	3081
20°	3028	3025	3016
25°	2952	2952	2942
30°	2875	2872	2857
35°	2797	2789	2773
40°	2711	2708	2697
45°	2628	2625	2616
50°	2552	2541	2534
55°	2463	2452	2452
60°	2371	2363	2368
65°	2248	2253	2238
70°	2101	2088	2088
75°	1873	1882	1882
80°	1584	1584	1598
85°	1201	1201	1226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	3.7
10°-20°	312.2	10.4
20°-30°	457.8	15.2
30°-40°	531.1	17.7
40°-50°	532.5	17.7
50°-60°	468.3	15.6
60°-70°	349.5	11.6
70°-80°	192.3	6.4
80°-90°	47.6	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°	880.8	29.3
0°-40°	1411.9	47.0
0°-60°	2412.6	80.4
0°-90°	3002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1164	1169	1169	1169	1167	110
15°	1107	1112	1109	1108	1106	312
25°	994	998	994	993	991	458
35°	851	852	849	846	844	532
45°	691	693	690	689	687	534
55°	525	526	523	523	523	470
65°	353	353	354	352	351	350
75°	180	181	181	179	181	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°	1175.0	1175.0	1175.0	1175.0	1175.0
2.5°	1170.1	1174.2	1173.4	1175.9	1174.2
5°	1164.5	1168.6	1168.6	1168.6	1166.9
7.5°	1155.5	1159.6	1159.6	1159.6	1156.4
10°	1143.5	1147.5	1146.7	1146.7	1145.0
12.5°	1128.8	1131.2	1129.6	1129.6	1128.8
15°	1106.9	1111.7	1109.3	1107.6	1106.1
17.5°	1082.5	1087.4	1083.4	1082.5	1080.1
20°	1057.4	1060.6	1056.5	1056.5	1053.3
22.5°	1026.5	1029.7	1027.3	1025.8	1024.1
25°	994.1	998.1	994.1	993.2	990.8
27.5°	960.8	964.0	959.9	956.7	955.2
30°	925.1	927.5	924.3	921.9	919.4
32.5°	890.2	890.2	886.9	884.5	881.3
35°	851.3	852.1	848.9	846.4	844.0
37.5°	812.4	813.9	810.7	808.3	806.6
40°	771.8	773.3	771.0	768.4	767.7
42.5°	732.8	732.8	731.2	728.7	727.2
45°	690.6	693.0	689.8	689.0	687.3
47.5°	651.6	651.6	648.4	646.7	646.7
50°	609.5	611.0	607.0	606.1	605.4
52.5°	567.2	566.4	565.5	564.8	564.0
55°	525.0	525.8	522.6	523.4	522.6
57.5°	482.9	482.0	481.2	480.5	479.6
60°	440.6	439.9	439.0	438.2	439.9
62.5°	396.8	397.6	395.2	397.6	394.4
65°	353.0	353.0	353.8	352.1	351.4
67.5°	310.9	310.9	309.2	309.2	312.4
70°	267.0	267.8	265.4	268.6	265.4
72.5°	223.9	224.8	223.9	223.1	224.8
75°	180.1	181.0	181.0	179.3	181.0
77.5°	140.4	141.2	140.4	139.6	140.4
80°	102.2	103.1	102.2	101.4	103.1
82.5°	68.1	68.9	68.1	68.1	68.9
85°	38.9	39.7	38.9	38.9	39.7
87.5°	15.4	16.3	16.3	16.3	16.3
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)