

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: P735687

Luminaire Tested: **22APR-34-B2750-W2D-CP250-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735687
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-CP250-5000K
Description: 2X2 3400 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

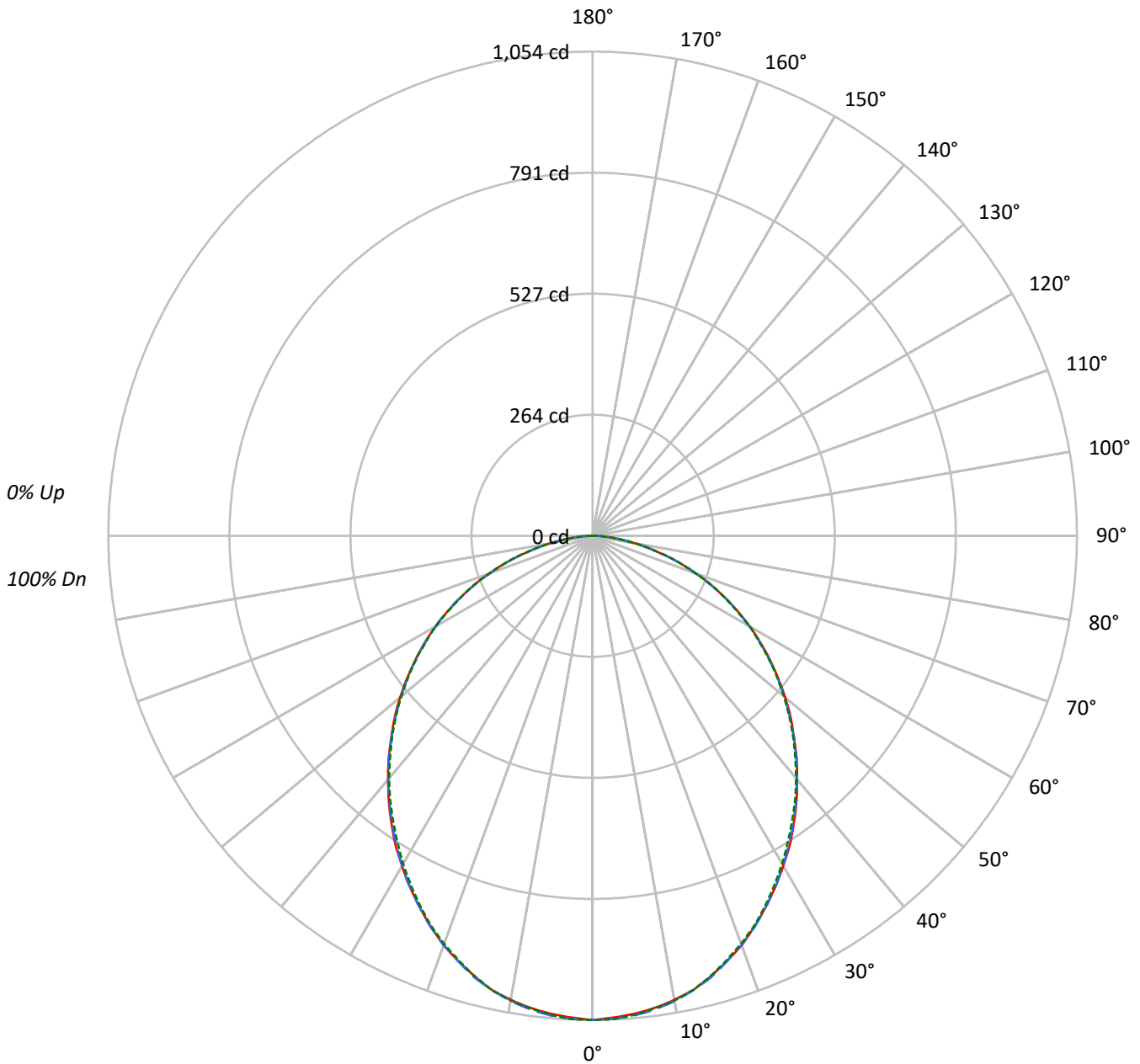
Lumens per Lamp: N/A
Luminaire Lumens: 2692.9 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2837	2837	2837
5°	2822	2832	2828
10°	2803	2811	2807
15°	2766	2772	2764
20°	2716	2714	2706
25°	2648	2648	2639
30°	2579	2576	2563
35°	2508	2502	2487
40°	2432	2429	2419
45°	2358	2355	2346
50°	2289	2280	2274
55°	2209	2199	2199
60°	2127	2120	2124
65°	2016	2021	2008
70°	1885	1873	1873
75°	1680	1688	1688
80°	1421	1421	1432
85°	1078	1078	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	3.7
10°-20°	280.1	10.4
20°-30°	410.7	15.2
30°-40°	476.4	17.7
40°-50°	477.6	17.7
50°-60°	420.1	15.6
60°-70°	313.5	11.6
70°-80°	172.5	6.4
80°-90°	42.7	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°	790.1	29.3
0°-40°	1266.5	47.0
0°-60°	2164.3	80.4
0°-90°	2692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2692.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1045	1048	1048	1048	1047	99
15°	993	997	995	994	992	280
25°	892	895	892	891	889	411
35°	764	764	762	759	757	478
45°	620	622	619	618	616	479
55°	471	472	469	470	469	421
65°	317	317	317	316	315	314
75°	162	162	162	161	162	172
85°	35	36	35	35	36	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1054.1	1054.1	1054.1	1054.1	1054.1
2.5°	1049.7	1053.3	1052.6	1054.8	1053.3
5°	1044.6	1048.3	1048.3	1048.3	1046.8
7.5°	1036.6	1040.2	1040.2	1040.2	1037.3
10°	1025.8	1029.4	1028.7	1028.7	1027.1
12.5°	1012.7	1014.8	1013.3	1013.3	1012.7
15°	993.0	997.3	995.1	993.6	992.3
17.5°	971.1	975.5	971.8	971.1	969.0
20°	948.5	951.4	947.8	947.8	944.9
22.5°	920.8	923.7	921.6	920.2	918.7
25°	891.7	895.4	891.7	891.0	888.8
27.5°	861.9	864.8	861.1	858.2	856.9
30°	829.9	832.0	829.1	827.0	824.7
32.5°	798.5	798.5	795.6	793.5	790.6
35°	763.6	764.4	761.5	759.2	757.1
37.5°	728.8	730.1	727.2	725.1	723.6
40°	692.4	693.7	691.6	689.3	688.7
42.5°	657.3	657.3	656.0	653.7	652.3
45°	619.6	621.7	618.8	618.0	616.5
47.5°	584.5	584.5	581.6	580.1	580.1
50°	546.8	548.1	544.5	543.7	543.1
52.5°	508.8	508.1	507.3	506.7	505.9
55°	470.9	471.7	468.8	469.5	468.8
57.5°	433.1	432.4	431.6	431.0	430.3
60°	395.2	394.6	393.9	393.1	394.6
62.5°	355.9	356.7	354.6	356.7	353.8
65°	316.6	316.6	317.4	315.9	315.3
67.5°	278.9	278.9	277.3	277.3	280.2
70°	239.6	240.2	238.0	240.9	238.0
72.5°	200.9	201.6	200.9	200.1	201.6
75°	161.6	162.4	162.4	160.8	162.4
77.5°	126.0	126.7	126.0	125.2	126.0
80°	91.7	92.4	91.7	90.9	92.4
82.5°	61.1	61.8	61.1	61.1	61.8
85°	34.9	35.6	34.9	34.9	35.6
87.5°	13.9	14.6	14.6	14.6	14.6
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)