

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: P735684

Luminaire Tested: **22APR-34-B2750-W2D-CP250-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735684
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-CP250-3000K
Description: 2X2 3400 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

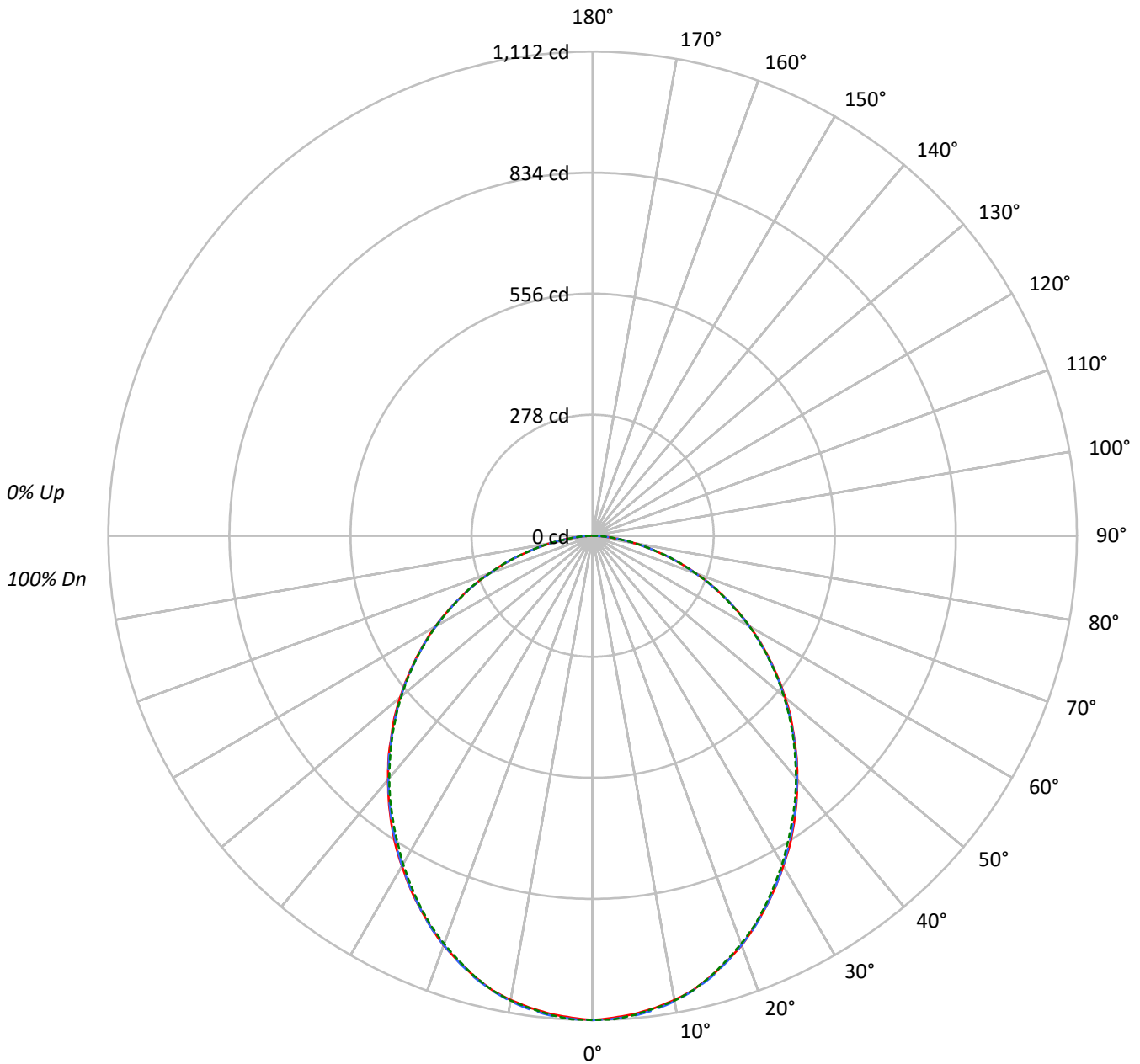
Lumens per Lamp: N/A
Luminaire Lumens: 2842.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P735684

CATALOG NUMBER: 22APR-34-B2750-W2D-CP250-3000K

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°	2993	2993	2993
5°	2978	2988	2984
10°	2958	2966	2962
15°	2919	2926	2917
20°	2867	2864	2856
25°	2794	2794	2785
30°	2721	2719	2705
35°	2647	2640	2625
40°	2567	2564	2553
45°	2488	2485	2476
50°	2416	2406	2400
55°	2332	2321	2321
60°	2245	2237	2241
65°	2128	2133	2118
70°	1989	1976	1976
75°	1773	1781	1781
80°	1500	1500	1512
85°	1136	1136	1161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.7
10°-20°	295.6	10.4
20°-30°	433.4	15.2
30°-40°	502.8	17.7
40°-50°	504.1	17.7
50°-60°	443.3	15.6
60°-70°	330.8	11.6
70°-80°	182.0	6.4
80°-90°	45.1	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°	833.8	29.3
0°-40°	1336.6	47.0
0°-60°	2284.0	80.4
0°-90°	2842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1102	1106	1106	1106	1105	105
15°	1048	1052	1050	1049	1047	295
25°	941	945	941	940	938	434
35°	806	807	804	801	799	504
45°	654	656	653	652	651	505
55°	497	498	495	496	495	445
65°	334	334	335	333	333	331
75°	170	171	171	170	171	182
85°	37	38	37	37	38	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.4	1112.4	1112.4	1112.4	1112.4
2.5°	1107.8	1111.6	1110.8	1113.2	1111.6
5°	1102.4	1106.3	1106.3	1106.3	1104.7
7.5°	1093.9	1097.8	1097.8	1097.8	1094.7
10°	1082.5	1086.4	1085.6	1085.6	1084.0
12.5°	1068.7	1070.9	1069.3	1069.3	1068.7
15°	1047.9	1052.5	1050.2	1048.6	1047.2
17.5°	1024.8	1029.5	1025.6	1024.8	1022.6
20°	1001.0	1004.1	1000.2	1000.2	997.2
22.5°	971.8	974.8	972.6	971.1	969.5
25°	941.1	944.9	941.1	940.3	938.0
27.5°	909.6	912.6	908.8	905.7	904.3
30°	875.8	878.1	875.0	872.8	870.4
32.5°	842.7	842.7	839.7	837.4	834.3
35°	805.9	806.7	803.6	801.2	799.0
37.5°	769.1	770.5	767.5	765.2	763.6
40°	730.7	732.1	729.9	727.5	726.8
42.5°	693.7	693.7	692.3	689.9	688.4
45°	653.8	656.1	653.0	652.2	650.6
47.5°	616.9	616.9	613.8	612.2	612.2
50°	577.0	578.5	574.6	573.8	573.2
52.5°	537.0	536.2	535.4	534.7	533.9
55°	497.0	497.8	494.7	495.5	494.7
57.5°	457.1	456.3	455.5	454.9	454.1
60°	417.1	416.4	415.6	414.8	416.4
62.5°	375.6	376.4	374.2	376.4	373.4
65°	334.2	334.2	335.0	333.4	332.7
67.5°	294.3	294.3	292.7	292.7	295.7
70°	252.8	253.5	251.2	254.3	251.2
72.5°	212.0	212.8	212.0	211.2	212.8
75°	170.5	171.3	171.3	169.7	171.3
77.5°	132.9	133.7	132.9	132.1	132.9
80°	96.8	97.6	96.8	96.0	97.6
82.5°	64.5	65.3	64.5	64.5	65.3
85°	36.8	37.6	36.8	36.8	37.6
87.5°	14.6	15.4	15.4	15.4	15.4
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)