

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: P735670

Luminaire Tested: **22APR-30-B2750-W2D-CP250-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735670
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-CP250-3500K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3500K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

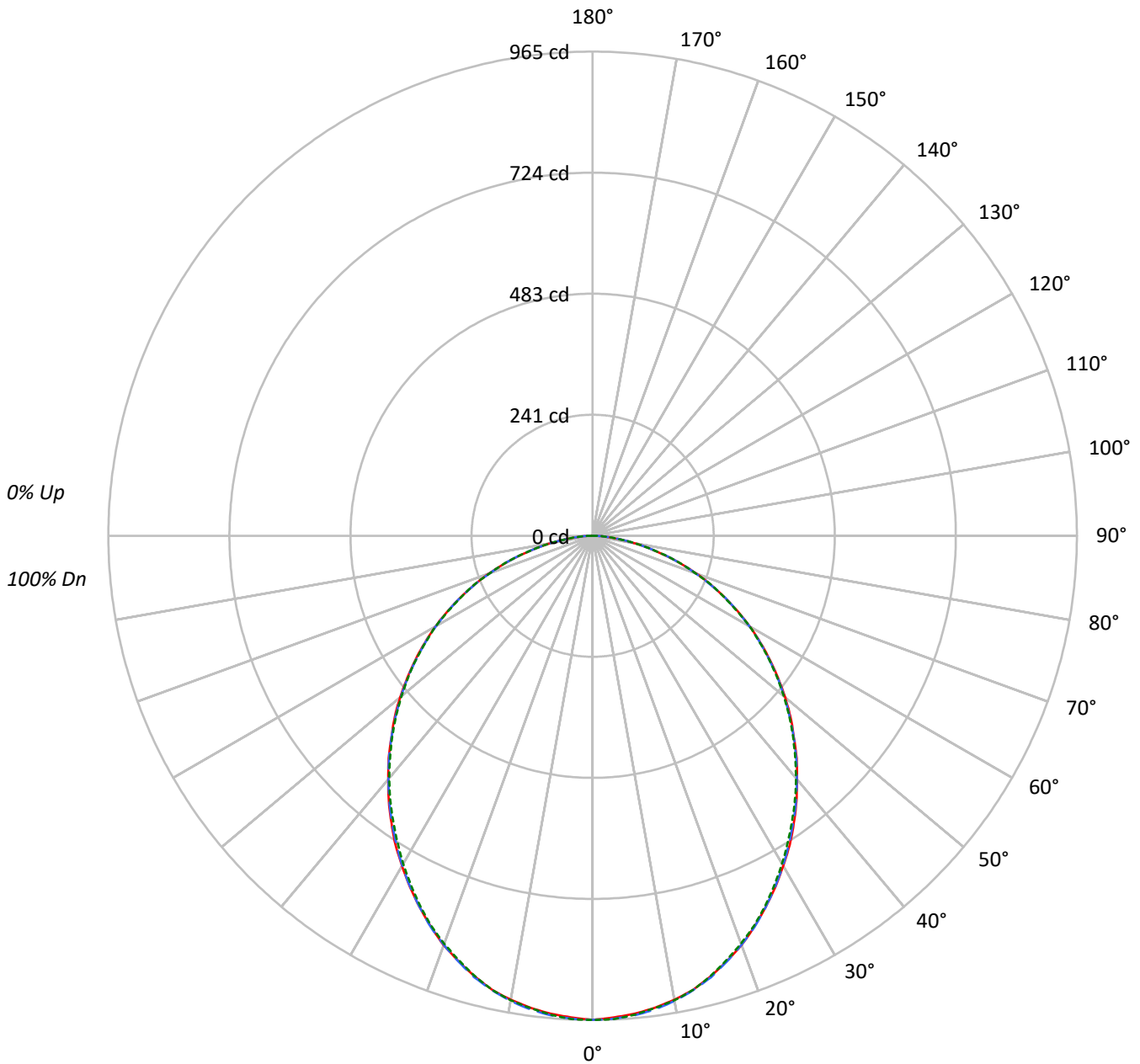
Lumens per Lamp: N/A
Luminaire Lumens: 2465.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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°	2597	2597	2597
5°	2583	2592	2588
10°	2566	2573	2569
15°	2532	2538	2530
20°	2486	2484	2477
25°	2423	2423	2416
30°	2360	2358	2346
35°	2296	2290	2277
40°	2226	2224	2214
45°	2158	2156	2148
50°	2095	2087	2081
55°	2023	2013	2013
60°	1947	1940	1944
65°	1845	1850	1838
70°	1725	1714	1714
75°	1538	1545	1545
80°	1300	1300	1311
85°	985	985	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	3.7
10°-20°	256.4	10.4
20°-30°	375.9	15.2
30°-40°	436.1	17.7
40°-50°	437.2	17.7
50°-60°	384.5	15.6
60°-70°	286.9	11.6
70°-80°	157.9	6.4
80°-90°	39.1	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°	723.2	29.3
0°-40°	1159.3	47.0
0°-60°	1981.1	80.4
0°-90°	2465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	965	965	965	965	965	
5°	956	960	960	960	958	91
15°	909	913	911	910	908	256
25°	816	820	816	816	814	376
35°	699	700	697	695	693	437
45°	567	569	566	566	564	438
55°	431	432	429	430	429	386
65°	290	290	290	289	289	287
75°	148	149	149	147	149	158
85°	32	33	32	32	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.9	964.9	964.9	964.9	964.9
2.5°	960.8	964.2	963.5	965.5	964.2
5°	956.2	959.5	959.5	959.5	958.2
7.5°	948.8	952.2	952.2	952.2	949.5
10°	938.9	942.3	941.6	941.6	940.2
12.5°	926.9	928.9	927.5	927.5	926.9
15°	908.9	912.9	910.9	909.5	908.2
17.5°	888.9	892.9	889.6	888.9	886.9
20°	868.2	870.9	867.5	867.5	864.9
22.5°	842.9	845.5	843.6	842.3	840.9
25°	816.2	819.6	816.2	815.6	813.6
27.5°	788.9	791.6	788.2	785.6	784.3
30°	759.6	761.6	758.9	757.0	754.9
32.5°	730.9	730.9	728.3	726.3	723.7
35°	699.0	699.7	697.0	695.0	693.0
37.5°	667.1	668.3	665.7	663.7	662.3
40°	633.7	635.0	633.0	631.0	630.4
42.5°	601.7	601.7	600.4	598.3	597.1
45°	567.1	569.1	566.4	565.7	564.3
47.5°	535.1	535.1	532.4	531.0	531.0
50°	500.5	501.7	498.4	497.7	497.1
52.5°	465.8	465.1	464.4	463.8	463.1
55°	431.1	431.8	429.1	429.8	429.1
57.5°	396.5	395.8	395.1	394.5	393.8
60°	361.8	361.2	360.5	359.8	361.2
62.5°	325.8	326.5	324.5	326.5	323.8
65°	289.8	289.8	290.5	289.1	288.6
67.5°	255.2	255.2	253.9	253.9	256.5
70°	219.3	219.9	217.9	220.5	217.9
72.5°	183.9	184.6	183.9	183.2	184.6
75°	147.9	148.6	148.6	147.2	148.6
77.5°	115.3	116.0	115.3	114.6	115.3
80°	83.9	84.6	83.9	83.2	84.6
82.5°	55.9	56.6	55.9	55.9	56.6
85°	31.9	32.6	31.9	31.9	32.6
87.5°	12.7	13.4	13.4	13.4	13.4
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)