

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: P735657

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735657
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-22-B2750-W2D-CP250-5000K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

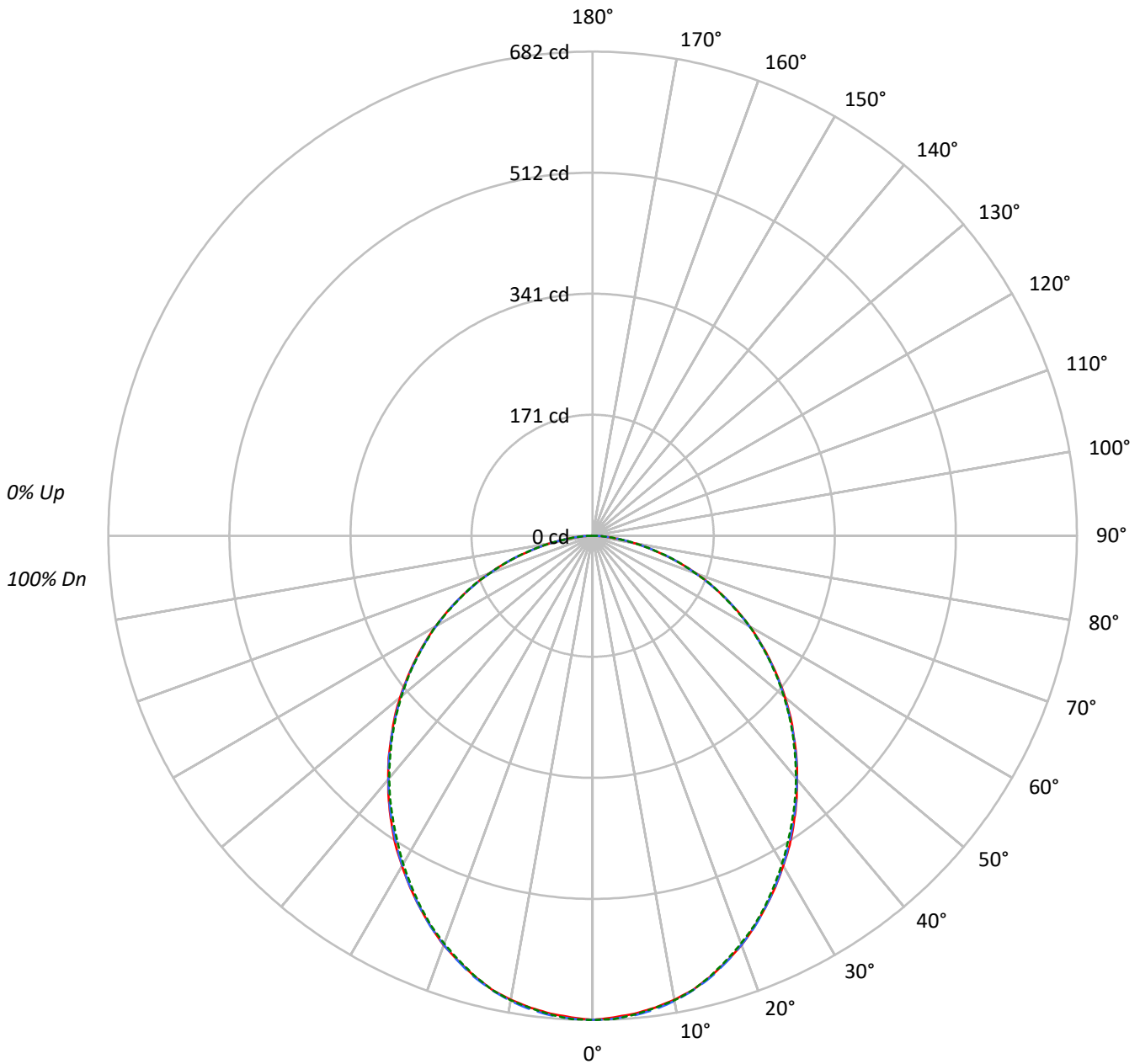
Lumens per Lamp: N/A
Luminaire Lumens: 1742.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	1835	1835	1835
5°	1825	1832	1829
10°	1813	1818	1815
15°	1789	1793	1788
20°	1757	1756	1750
25°	1713	1713	1707
30°	1668	1666	1658
35°	1623	1618	1609
40°	1573	1572	1565
45°	1525	1523	1518
50°	1481	1474	1471
55°	1429	1422	1422
60°	1376	1371	1374
65°	1304	1307	1298
70°	1220	1212	1212
75°	1087	1092	1092
80°	919	919	927
85°	698	698	713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	3.7
10°-20°	181.2	10.4
20°-30°	265.6	15.2
30°-40°	308.2	17.7
40°-50°	309.0	17.7
50°-60°	271.7	15.6
60°-70°	202.8	11.6
70°-80°	111.6	6.4
80°-90°	27.6	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°	511.1	29.3
0°-40°	819.3	47.0
0°-60°	1400.0	80.4
0°-90°	1742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	676	678	678	678	677	64
15°	642	645	644	643	642	181
25°	577	579	577	576	575	266
35°	494	494	493	491	490	309
45°	401	402	400	400	399	310
55°	305	305	303	304	303	273
65°	205	205	205	204	204	203
75°	104	105	105	104	105	112
85°	23	23	23	23	23	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.9	681.9	681.9	681.9	681.9
2.5°	679.0	681.4	680.9	682.3	681.4
5°	675.7	678.1	678.1	678.1	677.1
7.5°	670.5	672.9	672.9	672.9	671.0
10°	663.5	665.9	665.4	665.4	664.4
12.5°	655.0	656.4	655.5	655.5	655.0
15°	642.3	645.1	643.7	642.7	641.8
17.5°	628.2	631.0	628.7	628.2	626.8
20°	613.6	615.5	613.1	613.1	611.2
22.5°	595.7	597.5	596.1	595.2	594.3
25°	576.8	579.2	576.8	576.3	575.0
27.5°	557.5	559.4	557.0	555.2	554.3
30°	536.8	538.2	536.3	535.0	533.5
32.5°	516.5	516.5	514.7	513.3	511.4
35°	494.0	494.5	492.6	491.1	489.7
37.5°	471.4	472.3	470.4	469.0	468.1
40°	447.9	448.8	447.4	445.9	445.5
42.5°	425.2	425.2	424.3	422.8	422.0
45°	400.8	402.2	400.3	399.8	398.8
47.5°	378.1	378.1	376.2	375.3	375.3
50°	353.7	354.6	352.2	351.7	351.3
52.5°	329.2	328.7	328.2	327.8	327.3
55°	304.6	305.1	303.2	303.7	303.2
57.5°	280.2	279.7	279.2	278.8	278.3
60°	255.7	255.3	254.8	254.3	255.3
62.5°	230.2	230.7	229.3	230.7	228.9
65°	204.8	204.8	205.3	204.3	203.9
67.5°	180.4	180.4	179.4	179.4	181.3
70°	155.0	155.4	154.0	155.9	154.0
72.5°	130.0	130.4	130.0	129.5	130.4
75°	104.5	105.0	105.0	104.0	105.0
77.5°	81.5	82.0	81.5	81.0	81.5
80°	59.3	59.8	59.3	58.8	59.8
82.5°	39.5	40.0	39.5	39.5	40.0
85°	22.6	23.1	22.6	22.6	23.1
87.5°	9.0	9.5	9.5	9.5	9.5
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)