

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: P735743

Luminaire Tested: **24APR-67-B2750-W2D-CP250-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P708973)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 24APR-67-B2750-W2D-CP250-2700K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 2700K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

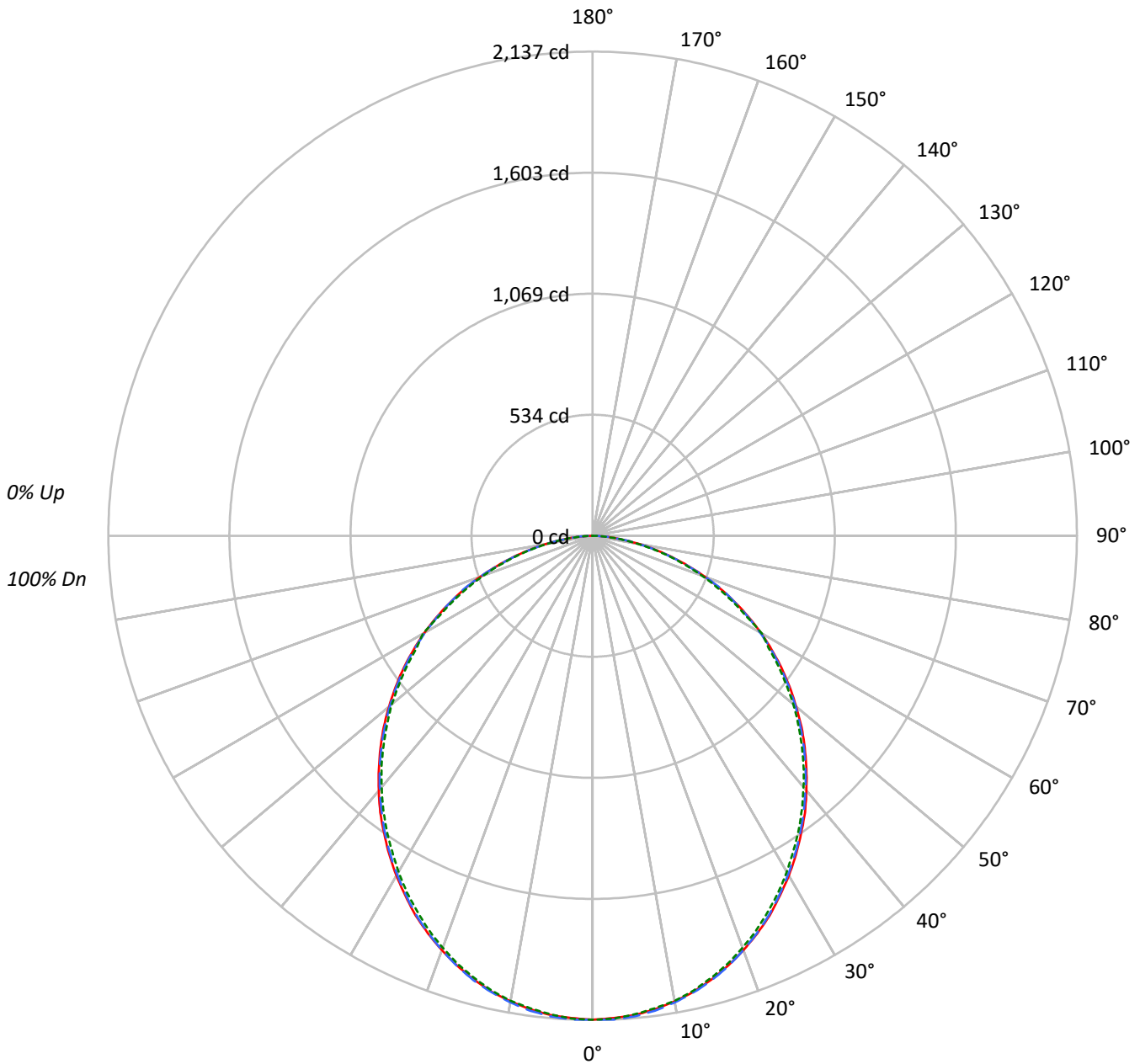
Lumens per Lamp: N/A
Luminaire Lumens: 5689.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 66
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	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70																			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59																			
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	51																			
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44																			
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2874	2874	2874
5°	2867	2875	2864
10°	2851	2858	2847
15°	2824	2829	2814
20°	2787	2786	2770
25°	2745	2739	2717
30°	2691	2681	2661
35°	2634	2625	2604
40°	2578	2565	2543
45°	2520	2506	2481
50°	2454	2445	2420
55°	2388	2375	2344
60°	2308	2293	2324
65°	2202	2196	2154
70°	2067	2069	2013
75°	1876	1862	1819
80°	1612	1591	1548
85°	1232	1221	1127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	3.5
10°-20°	571.5	10.0
20°-30°	848.3	14.9
30°-40°	998.5	17.6
40°-50°	1014.7	17.8
50°-60°	902.0	15.9
60°-70°	680.4	12.0
70°-80°	377.9	6.6
80°-90°	94.0	1.7
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°	1621.5	28.5
0°-40°	2619.9	46.1
0°-60°	4536.7	79.7
0°-90°	5689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2123	2126	2129	2126	2120	201
15°	2027	2030	2031	2026	2020	572
25°	1849	1847	1845	1836	1830	851
35°	1604	1604	1598	1589	1585	1004
45°	1324	1324	1317	1306	1304	1021
55°	1018	1010	1012	1001	999	909
65°	692	688	690	681	677	685
75°	361	356	358	355	350	383
85°	80	78	79	76	73	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2135.9	2135.9	2135.9	2135.9	2135.9
2.5°	2130.5	2134.5	2137.2	2133.9	2133.2
5°	2123.0	2126.3	2129.0	2125.7	2120.2
7.5°	2107.9	2112.1	2114.1	2110.6	2103.2
10°	2086.8	2090.9	2091.5	2088.2	2084.0
12.5°	2060.9	2063.6	2063.6	2060.9	2056.1
15°	2027.4	2029.5	2030.8	2026.1	2019.9
17.5°	1989.3	1992.6	1991.3	1983.8	1981.1
20°	1946.3	1949.0	1945.6	1940.8	1934.7
22.5°	1899.2	1899.9	1897.1	1891.7	1885.5
25°	1848.7	1847.4	1844.7	1836.5	1830.3
27.5°	1790.0	1792.8	1785.9	1778.4	1774.4
30°	1732.1	1732.7	1725.9	1716.3	1713.0
32.5°	1670.0	1668.6	1663.8	1653.6	1648.2
35°	1603.8	1604.5	1598.3	1588.8	1585.3
37.5°	1539.6	1535.6	1530.8	1519.9	1517.8
40°	1468.0	1467.3	1460.6	1450.9	1447.6
42.5°	1396.4	1395.7	1390.3	1380.8	1378.0
45°	1324.1	1324.1	1317.2	1306.3	1303.6
47.5°	1250.4	1247.7	1242.9	1233.4	1230.0
50°	1172.6	1170.6	1167.9	1157.0	1156.2
52.5°	1096.3	1094.9	1090.1	1080.6	1075.1
55°	1017.8	1010.3	1012.3	1001.4	999.4
57.5°	937.3	929.8	933.8	924.4	920.3
60°	857.5	850.0	852.0	845.9	863.7
62.5°	775.7	770.8	770.8	785.2	759.3
65°	691.7	687.6	689.7	680.8	676.7
67.5°	609.2	603.1	616.0	599.6	592.8
70°	525.3	521.1	526.0	516.4	511.6
72.5°	442.1	438.6	437.3	433.9	429.8
75°	360.8	356.1	358.1	355.4	349.9
77.5°	281.8	280.3	279.7	276.3	272.1
80°	208.0	206.7	205.3	202.6	199.8
82.5°	139.2	137.9	137.1	135.7	135.1
85°	79.8	77.8	79.1	75.8	73.0
87.5°	30.0	29.3	30.8	28.0	25.9
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)