

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: P735739

Luminaire Tested: **24APR-67-B2750-W2D-CP125-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735739
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-CP125-3000K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

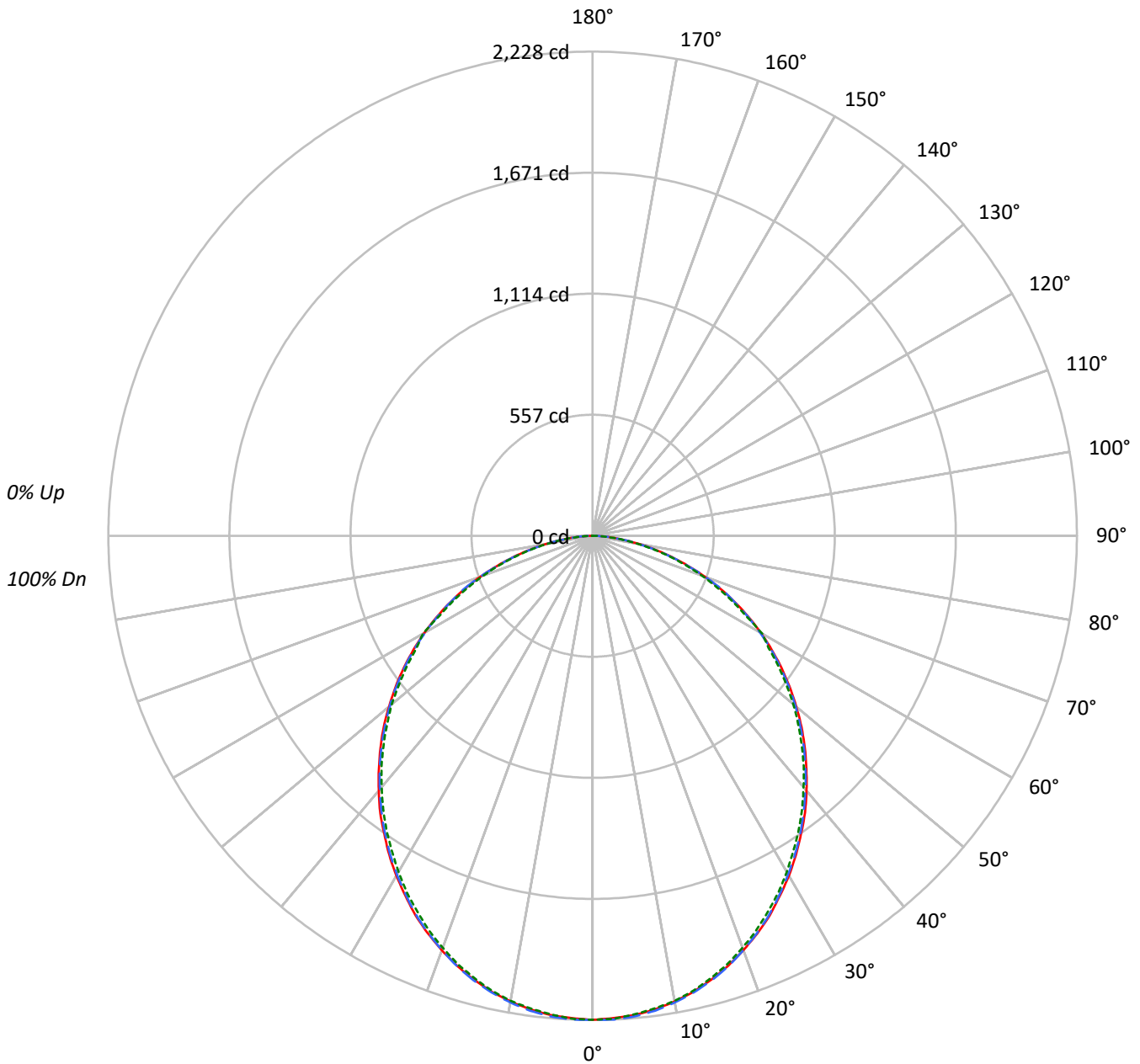
Lumens per Lamp: N/A
Luminaire Lumens: 5932.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2997	2997	2997
5°	2990	2998	2986
10°	2973	2980	2969
15°	2945	2950	2934
20°	2906	2905	2888
25°	2862	2856	2833
30°	2806	2796	2775
35°	2747	2737	2715
40°	2689	2675	2651
45°	2627	2614	2586
50°	2559	2549	2524
55°	2490	2476	2445
60°	2406	2391	2423
65°	2296	2290	2246
70°	2155	2158	2099
75°	1956	1941	1897
80°	1681	1659	1615
85°	1284	1274	1175



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	3.5
10°-20°	595.9	10.0
20°-30°	884.5	14.9
30°-40°	1041.1	17.6
40°-50°	1058.0	17.8
50°-60°	940.6	15.9
60°-70°	709.5	12.0
70°-80°	394.1	6.6
80°-90°	98.0	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°	1690.8	28.5
0°-40°	2731.9	46.1
0°-60°	4730.5	79.7
0°-90°	5932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2227	2227	2227	2227	2227	
5°	2214	2217	2220	2216	2211	210
15°	2114	2116	2118	2113	2106	596
25°	1928	1926	1924	1915	1908	887
35°	1672	1673	1667	1657	1653	1047
45°	1381	1381	1374	1362	1359	1065
55°	1061	1054	1056	1044	1042	948
65°	721	717	719	710	706	714
75°	376	371	373	371	365	399
85°	83	81	82	79	76	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2221.5	2225.7	2228.5	2225.1	2224.3
5°	2213.7	2217.1	2220.0	2216.5	2210.8
7.5°	2197.9	2202.3	2204.4	2200.8	2193.0
10°	2175.9	2180.2	2180.9	2177.4	2173.1
12.5°	2148.9	2151.8	2151.8	2148.9	2144.0
15°	2114.0	2116.2	2117.6	2112.6	2106.2
17.5°	2074.3	2077.7	2076.4	2068.6	2065.7
20°	2029.4	2032.3	2028.7	2023.7	2017.3
22.5°	1980.3	1981.0	1978.2	1972.5	1966.0
25°	1927.7	1926.3	1923.5	1914.9	1908.5
27.5°	1866.5	1869.4	1862.2	1854.4	1850.2
30°	1806.1	1806.7	1799.7	1789.6	1786.2
32.5°	1741.3	1739.9	1734.9	1724.3	1718.6
35°	1672.3	1673.0	1666.6	1656.7	1653.1
37.5°	1605.4	1601.2	1596.2	1584.8	1582.6
40°	1530.7	1530.0	1522.9	1512.9	1509.4
42.5°	1456.1	1455.3	1449.7	1439.7	1436.9
45°	1380.7	1380.7	1373.5	1362.1	1359.3
47.5°	1303.8	1301.0	1296.0	1286.1	1282.5
50°	1222.7	1220.6	1217.8	1206.4	1205.6
52.5°	1143.1	1141.6	1136.7	1126.8	1121.1
55°	1061.3	1053.5	1055.6	1044.2	1042.1
57.5°	977.3	969.5	973.7	963.8	959.6
60°	894.1	886.3	888.4	882.0	900.6
62.5°	808.8	803.8	803.8	818.7	791.7
65°	721.3	717.0	719.2	709.9	705.6
67.5°	635.3	628.8	642.3	625.2	618.2
70°	547.7	543.4	548.5	538.4	533.5
72.5°	460.9	457.3	456.0	452.4	448.2
75°	376.2	371.3	373.4	370.6	364.9
77.5°	293.8	292.3	291.7	288.1	283.8
80°	216.9	215.5	214.1	211.2	208.4
82.5°	145.1	143.7	143.0	141.5	140.9
85°	83.2	81.1	82.5	79.0	76.1
87.5°	31.3	30.6	32.1	29.2	27.0
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)