

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: P735741

Luminaire Tested: **24APR-67-B2750-W2D-CP125-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735741
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-CP125-4000K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

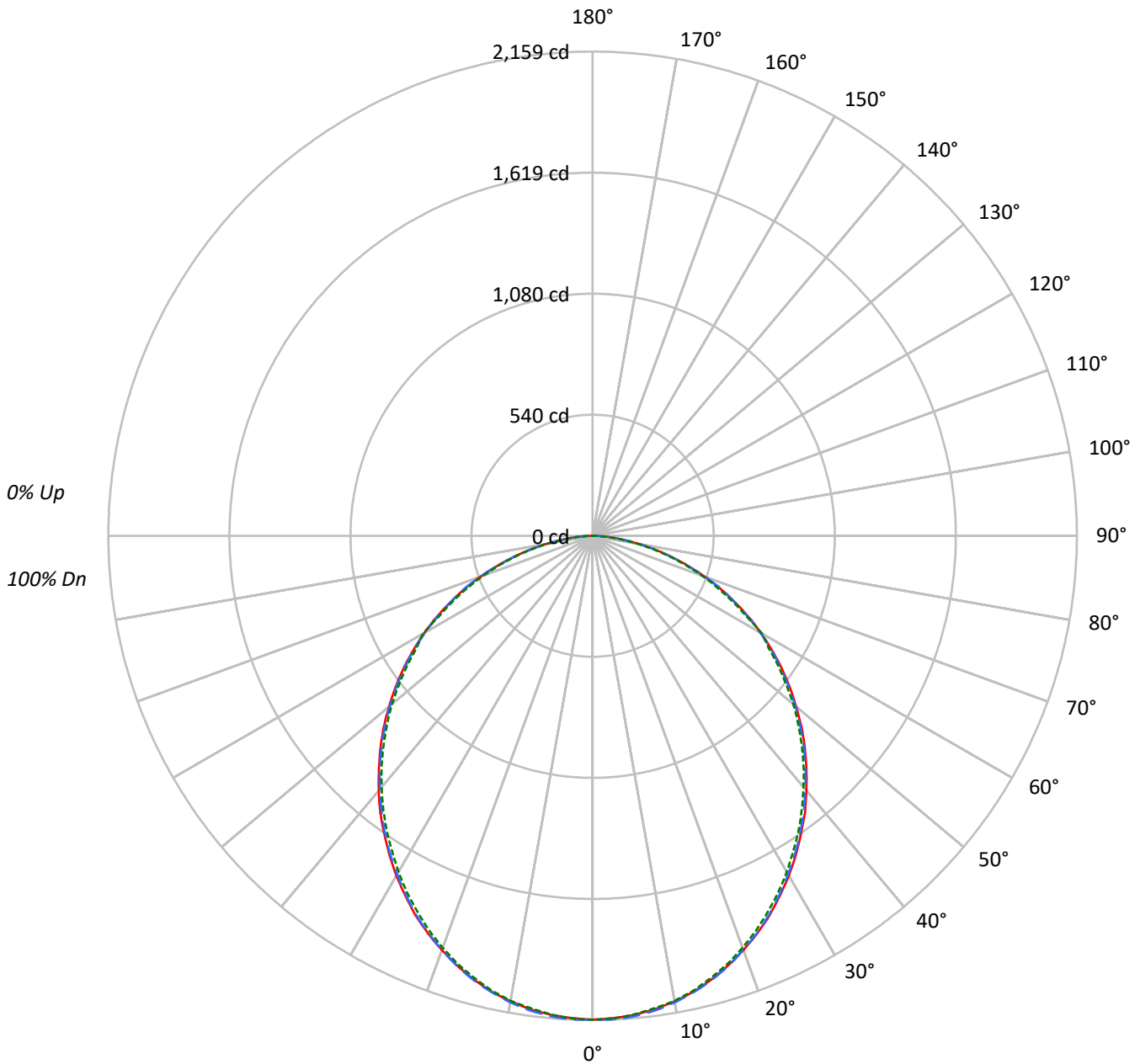
Lumens per Lamp: N/A
Luminaire Lumens: 5747.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2903	2903	2903
5°	2897	2905	2893
10°	2880	2887	2876
15°	2853	2858	2842
20°	2815	2814	2798
25°	2773	2767	2745
30°	2719	2709	2689
35°	2661	2652	2631
40°	2605	2591	2569
45°	2545	2532	2506
50°	2480	2470	2445
55°	2412	2399	2368
60°	2331	2316	2348
65°	2225	2218	2176
70°	2087	2090	2033
75°	1895	1881	1838
80°	1628	1607	1564
85°	1244	1233	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	3.5
10°-20°	577.3	10.0
20°-30°	856.9	14.9
30°-40°	1008.7	17.6
40°-50°	1025.0	17.8
50°-60°	911.2	15.9
60°-70°	687.4	12.0
70°-80°	381.8	6.6
80°-90°	94.9	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°	1638.0	28.5
0°-40°	2646.7	46.1
0°-60°	4582.9	79.7
0°-90°	5747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5747.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2158	2158	2158	2158	2158	
5°	2145	2148	2151	2147	2142	204
15°	2048	2050	2052	2047	2040	577
25°	1868	1866	1864	1855	1849	859
35°	1620	1621	1615	1605	1602	1014
45°	1338	1338	1331	1320	1317	1032
55°	1028	1021	1023	1012	1010	919
65°	699	695	697	688	684	692
75°	364	360	362	359	354	386
85°	81	79	80	76	74	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2157.7	2157.7	2157.7	2157.7	2157.7
2.5°	2152.2	2156.3	2159.0	2155.7	2154.9
5°	2144.6	2148.0	2150.7	2147.4	2141.9
7.5°	2129.4	2133.6	2135.6	2132.1	2124.6
10°	2108.0	2112.2	2112.8	2109.5	2105.3
12.5°	2081.9	2084.7	2084.7	2081.9	2077.1
15°	2048.1	2050.2	2051.5	2046.7	2040.5
17.5°	2009.6	2012.9	2011.6	2004.0	2001.3
20°	1966.1	1968.9	1965.4	1960.6	1954.4
22.5°	1918.5	1919.2	1916.5	1911.0	1904.7
25°	1867.6	1866.2	1863.5	1855.2	1849.0
27.5°	1808.3	1811.1	1804.1	1796.5	1792.5
30°	1749.8	1750.4	1743.5	1733.8	1730.5
32.5°	1687.0	1685.6	1680.8	1670.5	1665.0
35°	1620.1	1620.8	1614.6	1605.0	1601.5
37.5°	1555.3	1551.3	1546.5	1535.4	1533.3
40°	1483.0	1482.3	1475.4	1465.7	1462.4
42.5°	1410.7	1410.0	1404.4	1394.8	1392.1
45°	1337.6	1337.6	1330.7	1319.6	1316.9
47.5°	1263.1	1260.4	1255.6	1246.0	1242.5
50°	1184.6	1182.5	1179.8	1168.7	1168.0
52.5°	1107.5	1106.0	1101.2	1091.6	1086.1
55°	1028.2	1020.6	1022.7	1011.6	1009.6
57.5°	946.8	939.3	943.4	933.8	929.7
60°	866.2	858.7	860.7	854.5	872.5
62.5°	783.6	778.7	778.7	793.2	767.1
65°	698.8	694.6	696.8	687.8	683.6
67.5°	615.4	609.2	622.3	605.7	598.9
70°	530.6	526.4	531.4	521.6	516.8
72.5°	446.6	443.1	441.8	438.3	434.2
75°	364.5	359.7	361.8	359.0	353.5
77.5°	284.6	283.2	282.6	279.1	274.9
80°	210.1	208.8	207.4	204.6	201.9
82.5°	140.6	139.3	138.5	137.1	136.5
85°	80.6	78.6	79.9	76.5	73.8
87.5°	30.3	29.6	31.1	28.3	26.1
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)