

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: P735738

Luminaire Tested: **24APR-67-B2750-W2D-CP125-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735738
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-CP125-2700K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 2700K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

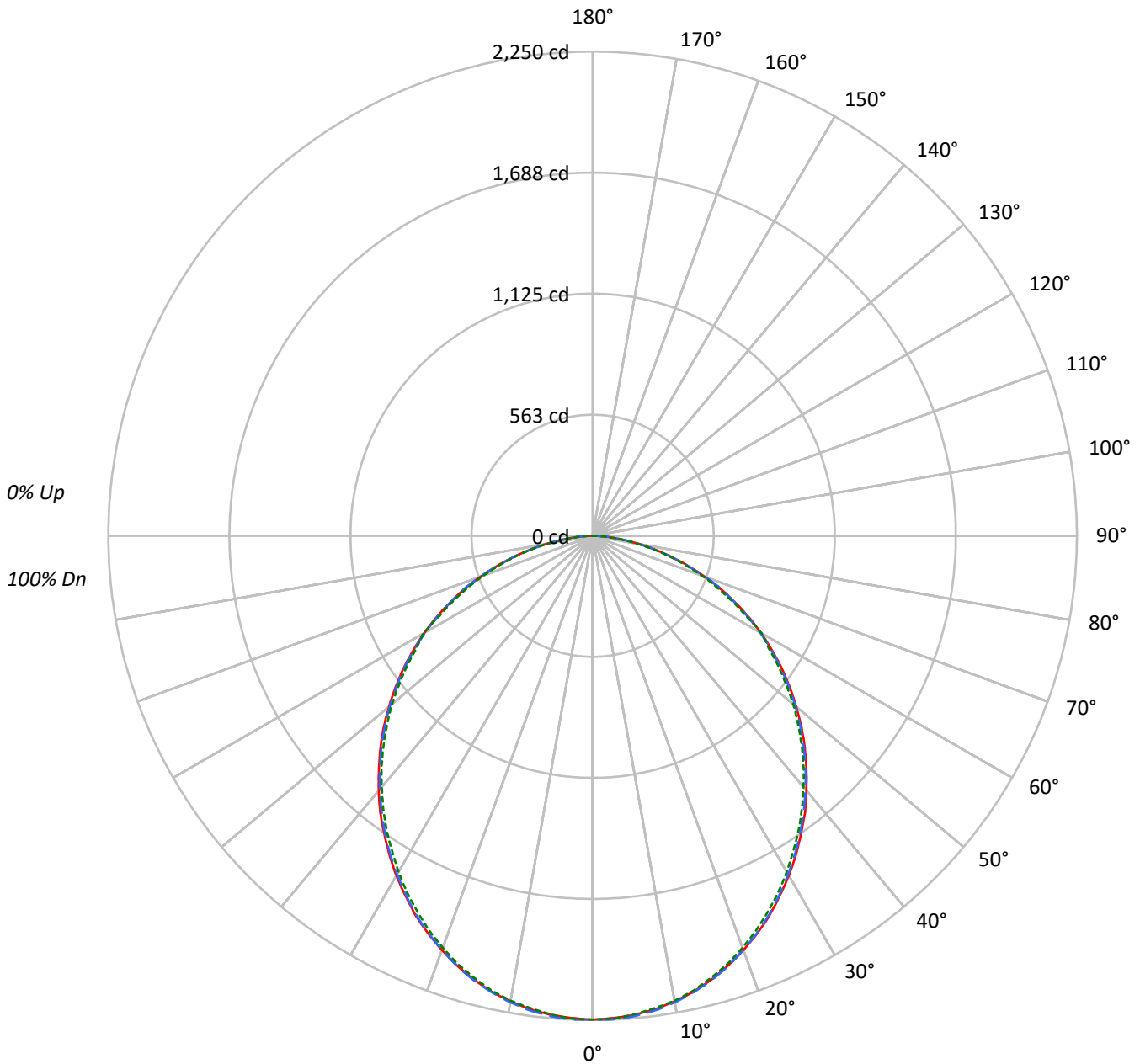
Lumens per Lamp: N/A
Luminaire Lumens: 5989.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3025	3025	3025
5°	3019	3027	3015
10°	3001	3008	2997
15°	2973	2978	2962
20°	2934	2933	2916
25°	2889	2883	2860
30°	2833	2823	2802
35°	2773	2764	2741
40°	2715	2701	2677
45°	2653	2639	2611
50°	2584	2574	2548
55°	2514	2500	2468
60°	2429	2414	2447
65°	2318	2312	2268
70°	2175	2178	2119
75°	1975	1960	1915
80°	1697	1674	1630
85°	1297	1284	1187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	3.5
10°-20°	601.6	10.0
20°-30°	893.0	14.9
30°-40°	1051.1	17.6
40°-50°	1068.2	17.8
50°-60°	949.6	15.9
60°-70°	716.3	12.0
70°-80°	397.8	6.6
80°-90°	98.9	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°	1707.0	28.5
0°-40°	2758.1	46.1
0°-60°	4775.9	79.7
0°-90°	5989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2235	2238	2241	2238	2232	212
15°	2134	2137	2138	2133	2126	602
25°	1946	1945	1942	1933	1927	896
35°	1688	1689	1683	1673	1669	1057
45°	1394	1394	1387	1375	1372	1075
55°	1072	1064	1066	1054	1052	957
65°	728	724	726	717	712	721
75°	380	375	377	374	368	403
85°	84	82	83	80	77	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2248.6	2248.6	2248.6	2248.6	2248.6
2.5°	2242.8	2247.1	2249.9	2246.4	2245.7
5°	2234.9	2238.4	2241.3	2237.8	2232.1
7.5°	2219.1	2223.4	2225.6	2221.9	2214.1
10°	2196.8	2201.2	2201.8	2198.3	2193.9
12.5°	2169.6	2172.4	2172.4	2169.6	2164.6
15°	2134.3	2136.6	2137.9	2132.9	2126.4
17.5°	2094.2	2097.7	2096.3	2088.4	2085.6
20°	2048.9	2051.8	2048.2	2043.2	2036.7
22.5°	1999.3	2000.1	1997.2	1991.4	1984.9
25°	1946.2	1944.8	1941.9	1933.3	1926.8
27.5°	1884.4	1887.3	1880.1	1872.2	1867.9
30°	1823.4	1824.1	1816.9	1806.8	1803.3
32.5°	1758.1	1756.6	1751.6	1740.8	1735.1
35°	1688.3	1689.1	1682.6	1672.6	1668.9
37.5°	1620.8	1616.6	1611.6	1600.1	1597.8
40°	1545.5	1544.7	1537.6	1527.5	1524.0
42.5°	1470.1	1469.3	1463.6	1453.6	1450.7
45°	1394.0	1394.0	1386.7	1375.2	1372.3
47.5°	1316.3	1313.5	1308.5	1298.5	1294.8
50°	1234.5	1232.3	1229.5	1218.0	1217.2
52.5°	1154.1	1152.6	1147.6	1137.6	1131.8
55°	1071.5	1063.6	1065.7	1054.2	1052.1
57.5°	986.7	978.8	983.1	973.1	968.8
60°	902.7	894.8	897.0	890.5	909.2
62.5°	816.6	811.5	811.5	826.6	799.4
65°	728.2	723.9	726.1	716.7	712.4
67.5°	641.4	634.9	648.5	631.2	624.1
70°	553.0	548.6	553.7	543.6	538.6
72.5°	465.4	461.7	460.4	456.7	452.5
75°	379.9	374.9	377.0	374.1	368.4
77.5°	296.6	295.1	294.5	290.9	286.5
80°	219.0	217.6	216.1	213.2	210.4
82.5°	146.5	145.1	144.4	142.9	142.2
85°	84.0	81.9	83.2	79.7	76.9
87.5°	31.6	30.9	32.4	29.5	27.2
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)