

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: P735744

Luminaire Tested: **24APR-67-B2750-W2D-CP250-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735744
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-CP250-3000K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

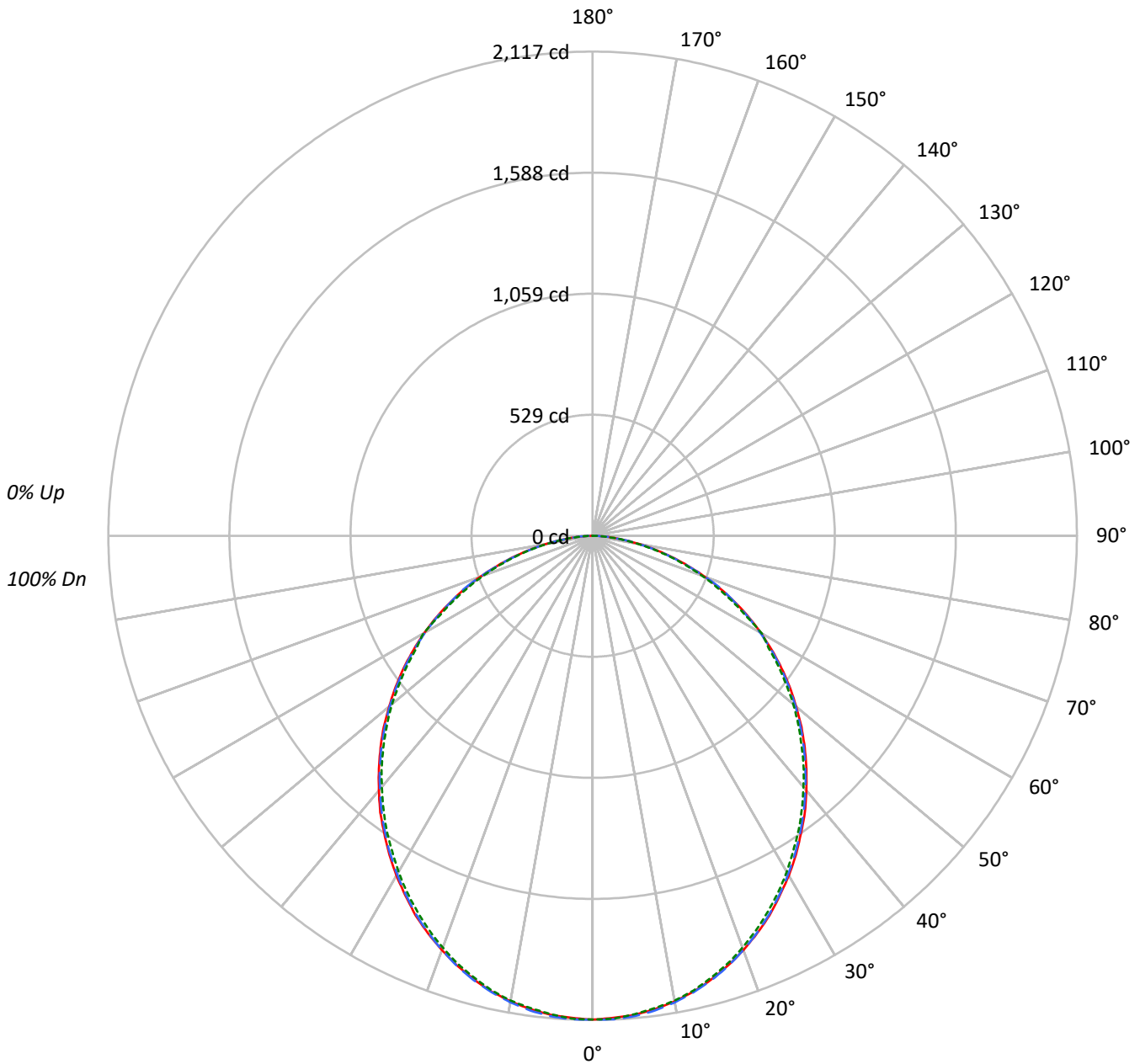
Lumens per Lamp: N/A
Luminaire Lumens: 5634.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2846	2846	2846
5°	2840	2848	2836
10°	2823	2830	2820
15°	2797	2802	2786
20°	2760	2759	2743
25°	2718	2712	2691
30°	2665	2655	2636
35°	2609	2600	2579
40°	2553	2540	2518
45°	2495	2482	2457
50°	2431	2421	2397
55°	2365	2352	2322
60°	2285	2271	2302
65°	2181	2175	2133
70°	2046	2049	1993
75°	1857	1843	1801
80°	1596	1575	1533
85°	1220	1209	1116



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.8	3.5
10°-20°	566.0	10.0
20°-30°	840.1	14.9
30°-40°	988.8	17.6
40°-50°	1004.9	17.8
50°-60°	893.3	15.9
60°-70°	673.8	12.0
70°-80°	374.3	6.6
80°-90°	93.1	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°	1605.8	28.5
0°-40°	2594.6	46.1
0°-60°	4492.8	79.7
0°-90°	5634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2115	2115	2115	2115	2115	
5°	2102	2106	2108	2105	2100	200
15°	2008	2010	2011	2006	2000	566
25°	1831	1830	1827	1819	1813	843
35°	1588	1589	1583	1573	1570	994
45°	1311	1311	1304	1294	1291	1011
55°	1008	1000	1002	992	990	901
65°	685	681	683	674	670	678
75°	357	353	355	352	346	379
85°	79	77	78	75	72	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2115.3	2115.3	2115.3	2115.3	2115.3
2.5°	2109.9	2113.9	2116.6	2113.3	2112.6
5°	2102.5	2105.7	2108.5	2105.2	2099.8
7.5°	2087.5	2091.6	2093.6	2090.2	2082.8
10°	2066.6	2070.7	2071.3	2068.0	2063.9
12.5°	2041.0	2043.7	2043.7	2041.0	2036.3
15°	2007.8	2009.9	2011.2	2006.5	2000.4
17.5°	1970.1	1973.3	1972.1	1964.6	1961.9
20°	1927.5	1930.2	1926.8	1922.1	1916.0
22.5°	1880.8	1881.5	1878.8	1873.4	1867.3
25°	1830.8	1829.5	1826.8	1818.7	1812.6
27.5°	1772.7	1775.4	1768.6	1761.2	1757.2
30°	1715.4	1715.9	1709.2	1699.7	1696.4
32.5°	1653.9	1652.5	1647.7	1637.6	1632.2
35°	1588.2	1589.0	1582.8	1573.4	1570.0
37.5°	1524.8	1520.8	1516.0	1505.2	1503.1
40°	1453.8	1453.1	1446.4	1436.9	1433.6
42.5°	1382.9	1382.2	1376.8	1367.4	1364.7
45°	1311.3	1311.3	1304.5	1293.7	1291.0
47.5°	1238.3	1235.6	1230.9	1221.5	1218.1
50°	1161.3	1159.3	1156.6	1145.8	1145.1
52.5°	1085.7	1084.3	1079.6	1070.2	1064.8
55°	1008.0	1000.5	1002.5	991.7	989.7
57.5°	928.2	920.8	924.8	915.4	911.4
60°	849.2	841.8	843.8	837.7	855.3
62.5°	768.2	763.4	763.4	777.6	752.0
65°	685.1	680.9	683.1	674.2	670.1
67.5°	603.3	597.2	610.0	593.8	587.1
70°	520.2	516.1	520.9	511.4	506.7
72.5°	437.8	434.4	433.1	429.7	425.7
75°	357.3	352.6	354.6	351.9	346.5
77.5°	279.0	277.6	277.0	273.6	269.5
80°	206.0	204.7	203.3	200.6	197.9
82.5°	137.8	136.5	135.8	134.4	133.8
85°	79.0	77.0	78.3	75.0	72.3
87.5°	29.7	29.0	30.5	27.8	25.6
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)