

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: P735746

Luminaire Tested: **24APR-67-B2750-W2D-CP250-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735746
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-CP250-4000K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

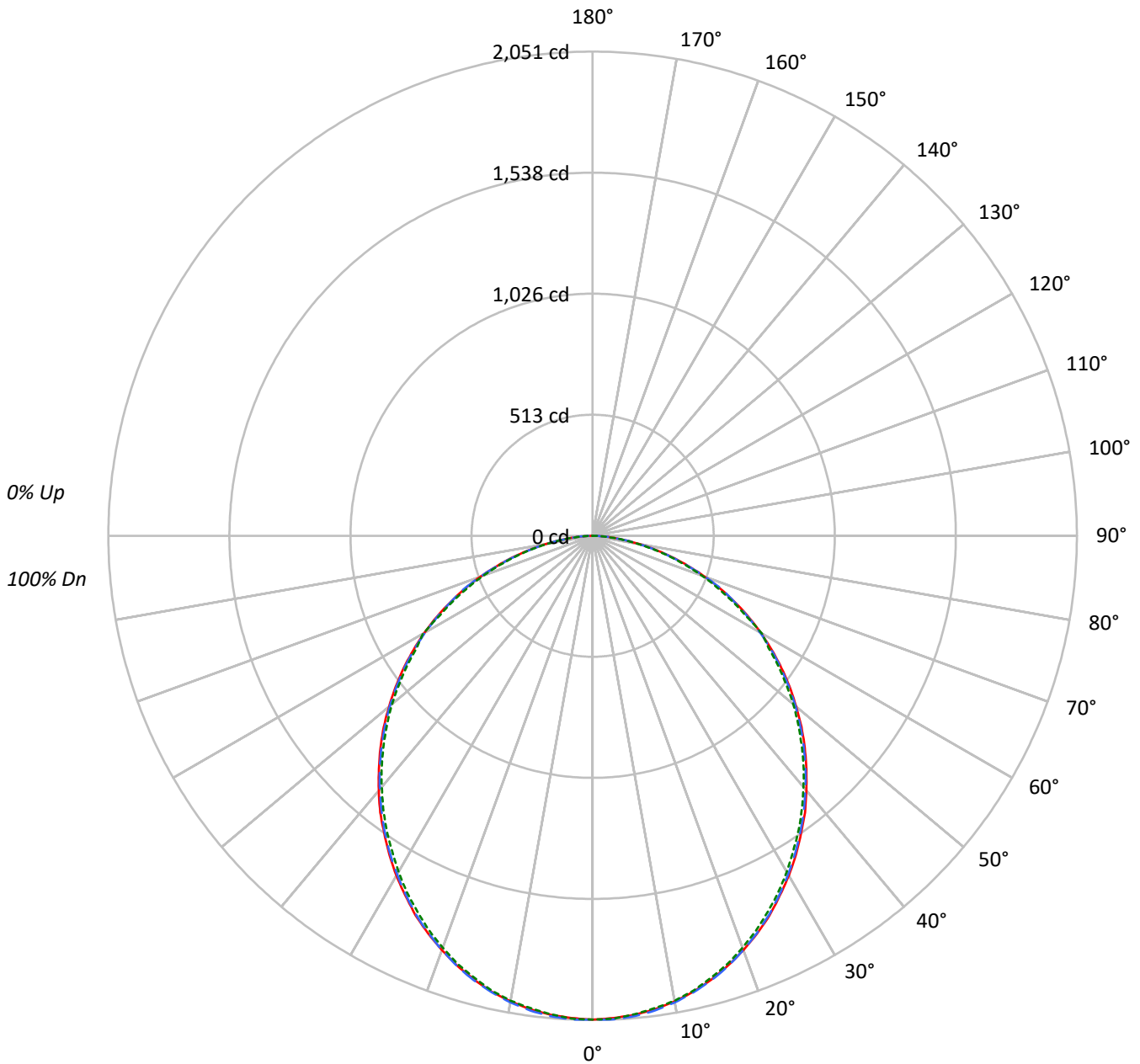
Lumens per Lamp: N/A
Luminaire Lumens: 5459.0 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2758	2758	2758
5°	2752	2759	2748
10°	2736	2742	2732
15°	2710	2714	2700
20°	2674	2673	2658
25°	2634	2628	2607
30°	2582	2573	2554
35°	2528	2519	2499
40°	2474	2462	2440
45°	2418	2405	2380
50°	2355	2346	2322
55°	2291	2279	2250
60°	2214	2200	2230
65°	2113	2107	2067
70°	1983	1985	1931
75°	1800	1786	1746
80°	1547	1526	1486
85°	1183	1172	1082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	3.5
10°-20°	548.4	10.0
20°-30°	814.0	14.9
30°-40°	958.1	17.6
40°-50°	973.7	17.8
50°-60°	865.6	15.9
60°-70°	652.9	12.0
70°-80°	362.6	6.6
80°-90°	90.2	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°	1555.9	28.5
0°-40°	2514.0	46.1
0°-60°	4353.3	79.7
0°-90°	5459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2050	2050	2050	2050	2050	
5°	2037	2040	2043	2040	2034	193
15°	1945	1948	1949	1944	1938	548
25°	1774	1773	1770	1762	1756	816
35°	1539	1540	1534	1525	1521	963
45°	1271	1271	1264	1254	1251	980
55°	977	970	971	961	959	873
65°	664	660	662	653	649	657
75°	346	342	344	341	336	367
85°	77	75	76	73	70	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2049.6	2049.6	2049.6	2049.6	2049.6
2.5°	2044.3	2048.2	2050.8	2047.6	2046.9
5°	2037.2	2040.3	2043.0	2039.8	2034.5
7.5°	2022.7	2026.7	2028.6	2025.3	2018.1
10°	2002.4	2006.4	2007.0	2003.8	1999.8
12.5°	1977.6	1980.2	1980.2	1977.6	1973.0
15°	1945.4	1947.5	1948.7	1944.2	1938.3
17.5°	1908.9	1912.1	1910.8	1903.6	1901.0
20°	1867.6	1870.2	1866.9	1862.4	1856.5
22.5°	1822.4	1823.1	1820.4	1815.2	1809.3
25°	1774.0	1772.7	1770.1	1762.2	1756.3
27.5°	1717.7	1720.3	1713.7	1706.5	1702.6
30°	1662.1	1662.6	1656.2	1646.9	1643.7
32.5°	1602.5	1601.1	1596.6	1586.8	1581.5
35°	1538.9	1539.6	1533.7	1524.6	1521.3
37.5°	1477.4	1473.5	1469.0	1458.5	1456.4
40°	1408.7	1408.0	1401.5	1392.3	1389.1
42.5°	1340.0	1339.3	1334.1	1324.9	1322.3
45°	1270.6	1270.6	1264.0	1253.5	1250.9
47.5°	1199.8	1197.2	1192.7	1183.6	1180.2
50°	1125.2	1123.3	1120.7	1110.2	1109.5
52.5°	1052.0	1050.6	1046.0	1036.9	1031.7
55°	976.6	969.5	971.4	960.9	959.0
57.5°	899.4	892.2	896.1	887.0	883.1
60°	822.8	815.7	817.6	811.7	828.8
62.5°	744.3	739.7	739.7	753.4	728.6
65°	663.8	659.8	661.8	653.3	649.3
67.5°	584.6	578.7	591.1	575.4	568.9
70°	504.0	500.1	504.7	495.5	490.9
72.5°	424.2	420.9	419.6	416.3	412.4
75°	346.2	341.7	343.6	341.0	335.8
77.5°	270.4	269.0	268.4	265.1	261.1
80°	199.6	198.4	197.0	194.4	191.8
82.5°	133.5	132.3	131.6	130.2	129.7
85°	76.6	74.6	75.9	72.7	70.1
87.5°	28.8	28.1	29.5	26.9	24.8
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)