

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: P735734

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735734
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-3000K
Description: 2X4 6700 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT

Light Source: -
Ballast/Driver: -

Summary

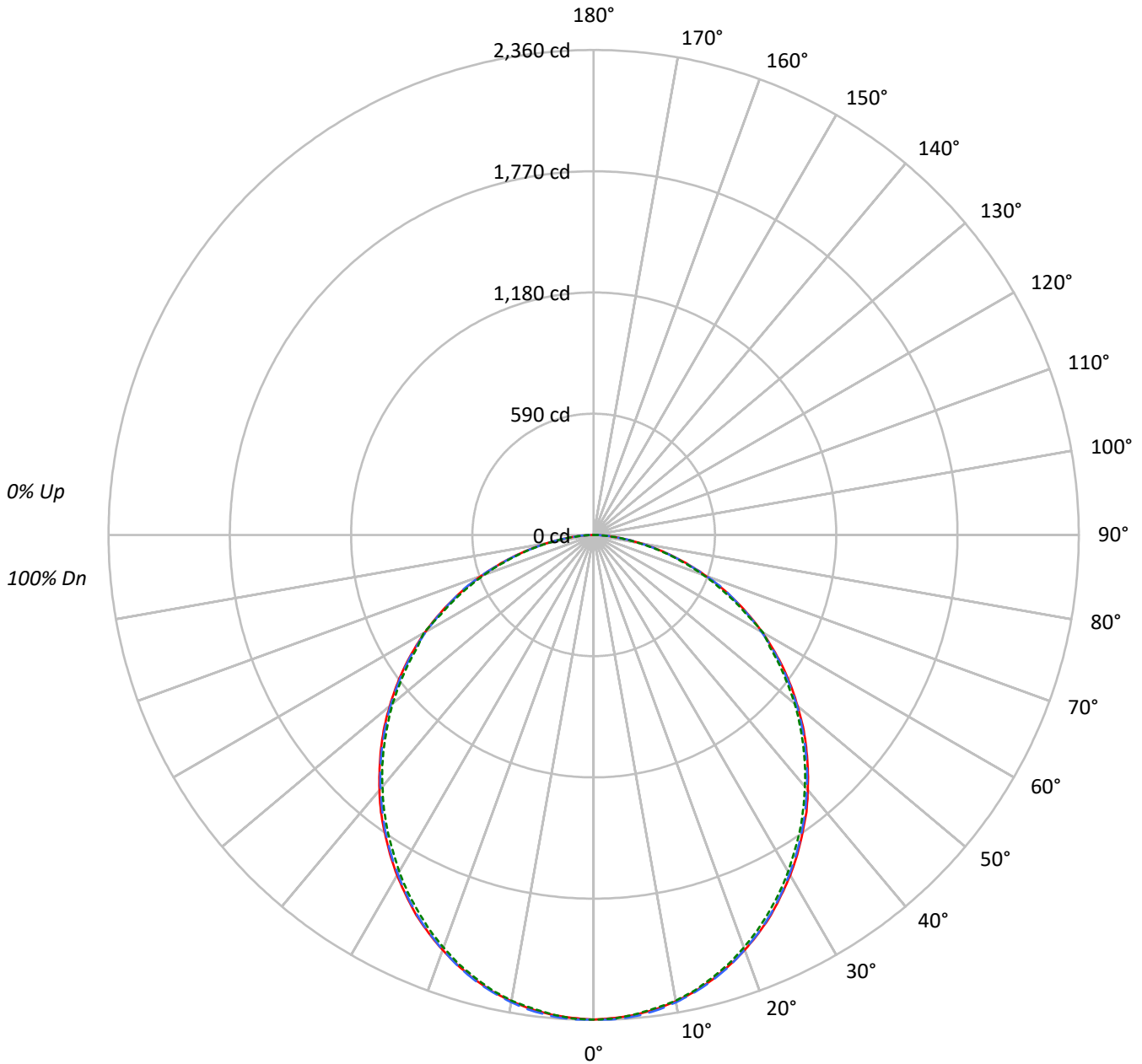
Lumens per Lamp: N/A
Luminaire Lumens: 6282.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.2 / 1.32
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3173	3173	3173
5°	3166	3175	3162
10°	3148	3155	3144
15°	3118	3124	3107
20°	3077	3076	3059
25°	3031	3024	3000
30°	2972	2961	2939
35°	2909	2899	2875
40°	2847	2833	2808
45°	2782	2768	2739
50°	2710	2699	2673
55°	2636	2622	2589
60°	2548	2532	2566
65°	2432	2425	2379
70°	2282	2285	2223
75°	2071	2056	2009
80°	1780	1757	1710
85°	1360	1348	1244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	3.5
10°-20°	631.1	10.0
20°-30°	936.7	14.9
30°-40°	1102.6	17.6
40°-50°	1120.5	17.8
50°-60°	996.1	15.9
60°-70°	751.3	12.0
70°-80°	417.3	6.6
80°-90°	103.8	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°	1790.5	28.5
0°-40°	2893.1	46.1
0°-60°	5009.6	79.7
0°-90°	6282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2344	2348	2351	2347	2341	222
15°	2239	2241	2242	2237	2230	631
25°	2041	2040	2037	2028	2021	939
35°	1771	1772	1765	1754	1751	1109
45°	1462	1462	1454	1442	1440	1128
55°	1124	1116	1118	1106	1104	1004
65°	764	759	762	752	747	756
75°	398	393	395	392	386	422
85°	88	86	87	84	81	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2358.6	2358.6	2358.6	2358.6	2358.6
2.5°	2352.5	2357.0	2360.0	2356.3	2355.5
5°	2344.3	2347.9	2351.0	2347.3	2341.3
7.5°	2327.6	2332.2	2334.4	2330.6	2322.4
10°	2304.3	2308.9	2309.5	2305.9	2301.3
12.5°	2275.7	2278.7	2278.7	2275.7	2270.5
15°	2238.7	2241.1	2242.5	2237.3	2230.5
17.5°	2196.6	2200.3	2198.9	2190.6	2187.6
20°	2149.2	2152.2	2148.4	2143.1	2136.3
22.5°	2097.1	2097.9	2094.9	2088.9	2082.0
25°	2041.4	2040.0	2036.9	2027.9	2021.1
27.5°	1976.6	1979.7	1972.0	1963.8	1959.3
30°	1912.7	1913.3	1905.8	1895.2	1891.5
32.5°	1844.1	1842.5	1837.3	1826.0	1820.0
35°	1770.9	1771.7	1764.9	1754.4	1750.6
37.5°	1700.1	1695.7	1690.4	1678.4	1676.0
40°	1621.1	1620.3	1612.8	1602.2	1598.5
42.5°	1542.0	1541.2	1535.2	1524.7	1521.7
45°	1462.2	1462.2	1454.5	1442.5	1439.5
47.5°	1380.7	1377.7	1372.5	1362.0	1358.2
50°	1294.9	1292.6	1289.6	1277.5	1276.8
52.5°	1210.6	1209.0	1203.7	1193.2	1187.2
55°	1123.9	1115.6	1117.9	1105.8	1103.6
57.5°	1035.0	1026.7	1031.2	1020.7	1016.2
60°	946.9	938.6	940.9	934.0	953.7
62.5°	856.6	851.2	851.2	867.0	838.5
65°	763.9	759.3	761.6	751.8	747.2
67.5°	672.7	665.9	680.2	662.1	654.6
70°	580.0	575.4	580.8	570.2	565.0
72.5°	488.1	484.3	482.9	479.1	474.6
75°	398.4	393.2	395.4	392.4	386.4
77.5°	311.1	309.6	308.9	305.1	300.5
80°	229.7	228.3	226.7	223.7	220.7
82.5°	153.7	152.2	151.4	149.9	149.2
85°	88.1	85.9	87.3	83.6	80.6
87.5°	33.2	32.4	34.0	30.9	28.6
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)