

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: P735662

Luminaire Tested: **22APR-30-B2750-W2D-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P708781)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-30-B2750-W2D-5000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT

Light Source: -
Ballast/Driver: -

Summary

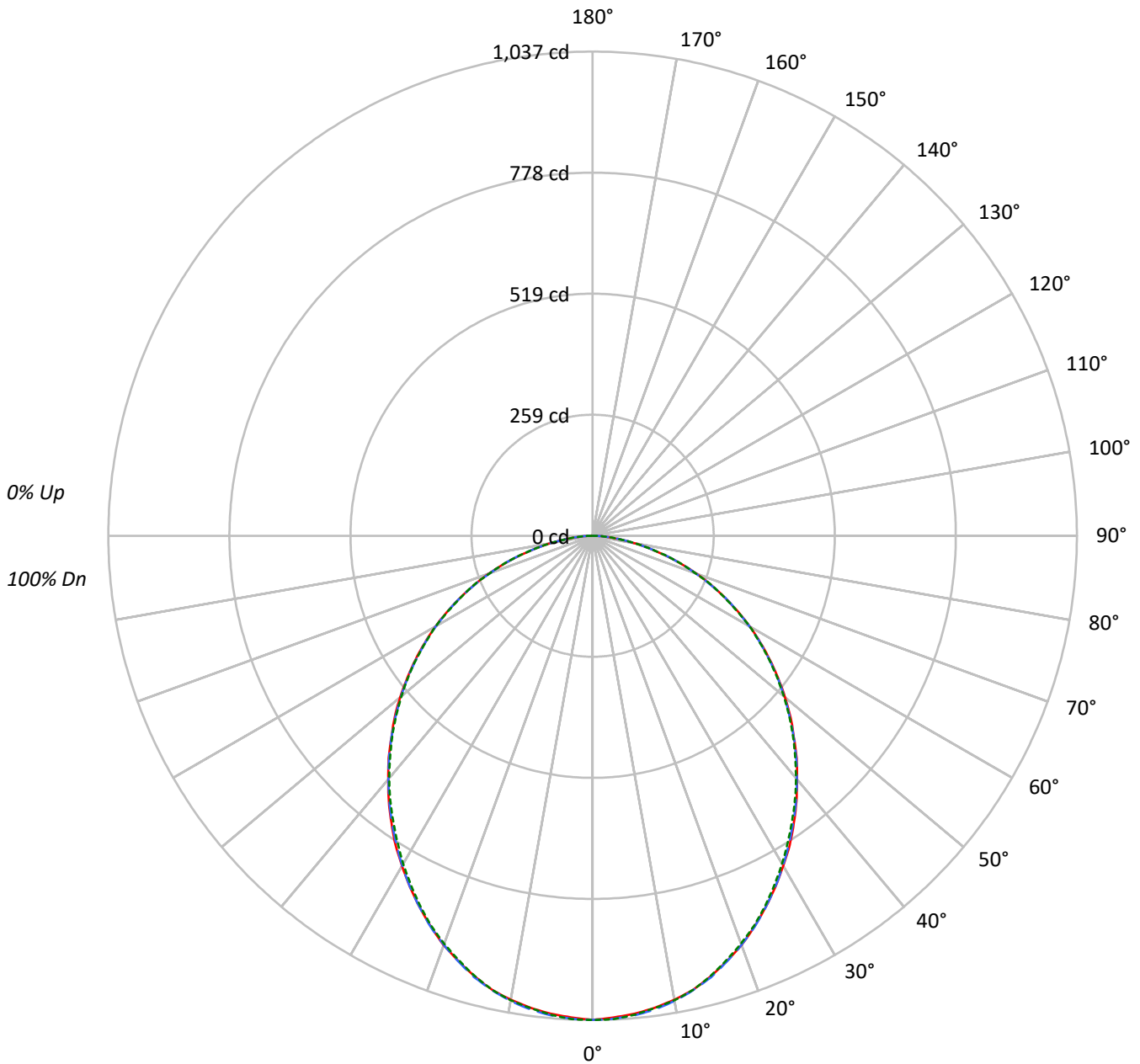
Lumens per Lamp: N/A
Luminaire Lumens: 2649.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71																			
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60																			
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2790	2790	2790
5°	2776	2786	2781
10°	2757	2765	2761
15°	2721	2727	2719
20°	2672	2670	2662
25°	2605	2605	2596
30°	2536	2534	2521
35°	2468	2461	2446
40°	2392	2390	2380
45°	2319	2316	2308
50°	2251	2242	2236
55°	2173	2163	2163
60°	2093	2085	2089
65°	1983	1988	1975
70°	1854	1843	1843
75°	1653	1660	1660
80°	1398	1398	1409
85°	1059	1059	1084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	3.7
10°-20°	275.5	10.4
20°-30°	404.0	15.2
30°-40°	468.6	17.7
40°-50°	469.9	17.7
50°-60°	413.2	15.6
60°-70°	308.4	11.6
70°-80°	169.7	6.4
80°-90°	42.0	1.6
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°	777.2	29.3
0°-40°	1245.9	47.0
0°-60°	2128.9	80.4
0°-90°	2649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1028	1031	1031	1031	1030	98
15°	977	981	979	977	976	275
25°	877	881	877	876	874	404
35°	751	752	749	747	745	470
45°	609	612	609	608	606	471
55°	463	464	461	462	461	414
65°	312	312	312	311	310	309
75°	159	160	160	158	160	170
85°	34	35	34	34	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1036.9	1036.9	1036.9	1036.9	1036.9
2.5°	1032.5	1036.1	1035.4	1037.6	1036.1
5°	1027.6	1031.2	1031.2	1031.2	1029.7
7.5°	1019.7	1023.2	1023.2	1023.2	1020.4
10°	1009.0	1012.6	1011.8	1011.8	1010.4
12.5°	996.1	998.2	996.7	996.7	996.1
15°	976.8	981.0	978.9	977.4	976.0
17.5°	955.2	959.6	956.0	955.2	953.1
20°	933.0	935.9	932.3	932.3	929.5
22.5°	905.8	908.6	906.5	905.2	903.7
25°	877.2	880.8	877.2	876.4	874.3
27.5°	847.8	850.7	847.1	844.2	842.9
30°	816.3	818.4	815.6	813.5	811.3
32.5°	785.5	785.5	782.6	780.5	777.7
35°	751.2	751.9	749.1	746.8	744.7
37.5°	716.9	718.2	715.4	713.3	711.8
40°	681.0	682.4	680.3	678.1	677.5
42.5°	646.6	646.6	645.2	643.0	641.6
45°	609.4	611.5	608.7	607.9	606.5
47.5°	575.0	575.0	572.1	570.7	570.7
50°	537.8	539.2	535.6	534.9	534.2
52.5°	500.5	499.8	499.0	498.4	497.7
55°	463.2	464.0	461.1	461.9	461.1
57.5°	426.1	425.3	424.6	424.0	423.2
60°	388.8	388.2	387.4	386.7	388.2
62.5°	350.1	350.9	348.8	350.9	348.0
65°	311.5	311.5	312.2	310.7	310.1
67.5°	274.3	274.3	272.8	272.8	275.7
70°	235.6	236.3	234.2	237.0	234.2
72.5°	197.6	198.4	197.6	196.9	198.4
75°	159.0	159.7	159.7	158.2	159.7
77.5°	123.9	124.6	123.9	123.2	123.9
80°	90.2	90.9	90.2	89.5	90.9
82.5°	60.1	60.8	60.1	60.1	60.8
85°	34.3	35.1	34.3	34.3	35.1
87.5°	13.6	14.4	14.4	14.4	14.4
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)