

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: P735659

Luminaire Tested: **22APR-30-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735659
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-3000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT

Light Source: -
Ballast/Driver: -

Summary

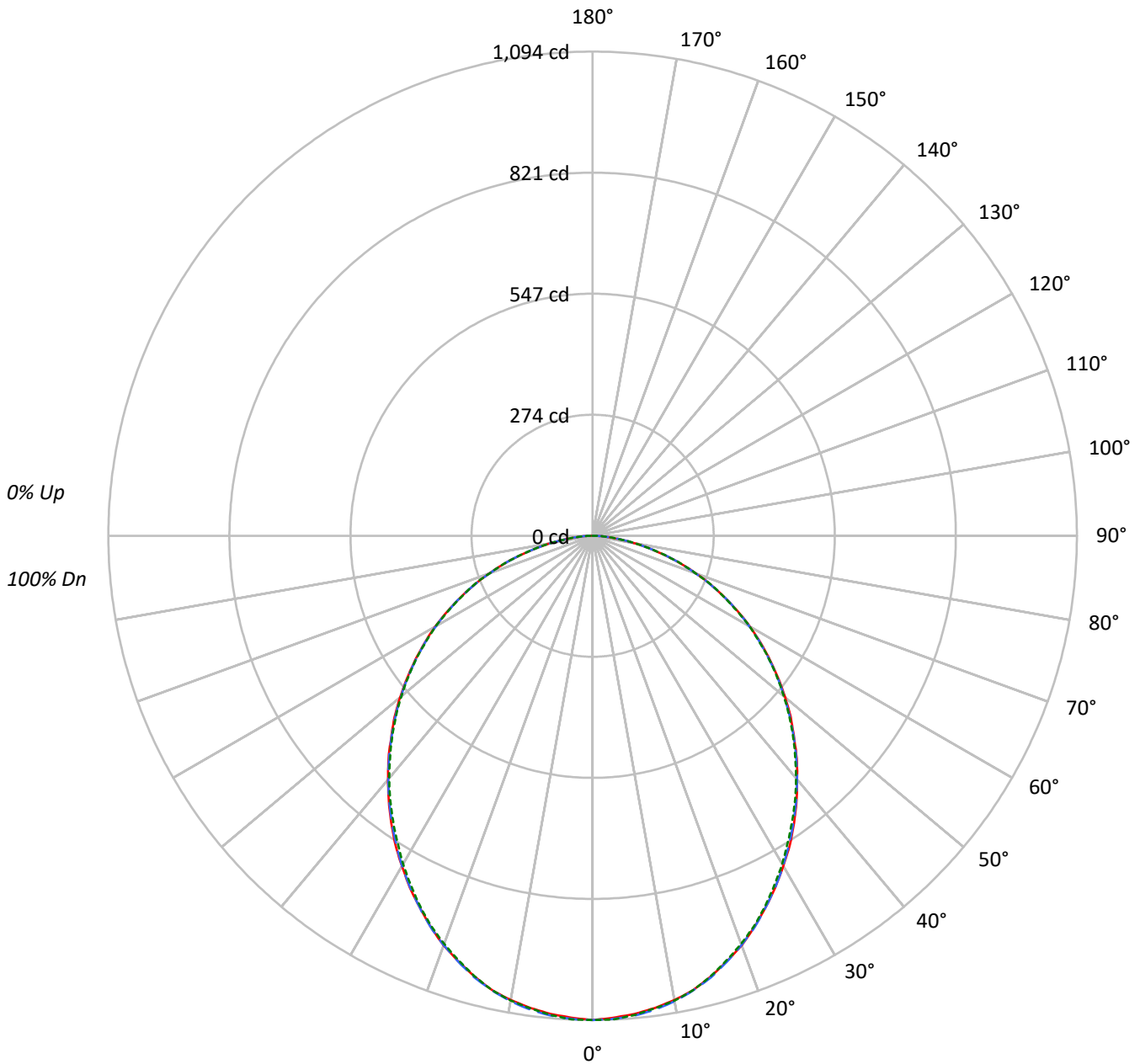
Lumens per Lamp: N/A
Luminaire Lumens: 2796.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2945	2945	2945
5°	2930	2940	2936
10°	2910	2918	2914
15°	2872	2878	2870
20°	2820	2818	2809
25°	2749	2749	2740
30°	2677	2675	2661
35°	2605	2597	2582
40°	2525	2523	2512
45°	2448	2445	2436
50°	2377	2367	2361
55°	2294	2283	2283
60°	2209	2201	2205
65°	2094	2098	2084
70°	1957	1945	1945
75°	1745	1753	1753
80°	1475	1475	1488
85°	1118	1118	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.7
10°-20°	290.8	10.4
20°-30°	426.4	15.2
30°-40°	494.6	17.7
40°-50°	495.9	17.7
50°-60°	436.1	15.6
60°-70°	325.5	11.6
70°-80°	179.1	6.4
80°-90°	44.3	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°	820.3	29.3
0°-40°	1315.0	47.0
0°-60°	2247.1	80.4
0°-90°	2796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1085	1088	1088	1088	1087	103
15°	1031	1035	1033	1032	1030	290
25°	926	930	926	925	923	426
35°	793	794	791	788	786	496
45°	643	646	642	642	640	497
55°	489	490	487	488	487	437
65°	329	329	330	328	327	326
75°	168	169	169	167	169	179
85°	36	37	36	36	37	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1094.4	1094.4	1094.4	1094.4	1094.4
2.5°	1089.8	1093.6	1092.8	1095.2	1093.6
5°	1084.6	1088.4	1088.4	1088.4	1086.8
7.5°	1076.2	1080.0	1080.0	1080.0	1077.0
10°	1065.0	1068.8	1068.0	1068.0	1066.4
12.5°	1051.4	1053.6	1052.0	1052.0	1051.4
15°	1031.0	1035.4	1033.2	1031.6	1030.2
17.5°	1008.2	1012.8	1009.0	1008.2	1006.0
20°	984.8	987.8	984.0	984.0	981.0
22.5°	956.1	959.1	956.8	955.4	953.8
25°	925.8	929.6	925.8	925.1	922.8
27.5°	894.9	897.9	894.1	891.1	889.6
30°	861.6	863.9	860.9	858.6	856.3
32.5°	829.1	829.1	826.1	823.8	820.8
35°	792.9	793.6	790.6	788.3	786.1
37.5°	756.6	758.1	755.1	752.8	751.3
40°	718.8	720.3	718.1	715.7	715.0
42.5°	682.5	682.5	681.0	678.7	677.3
45°	643.3	645.5	642.5	641.7	640.1
47.5°	606.9	606.9	603.9	602.3	602.3
50°	567.7	569.1	565.3	564.5	563.9
52.5°	528.3	527.5	526.7	526.1	525.3
55°	488.9	489.7	486.7	487.5	486.7
57.5°	449.7	448.9	448.1	447.5	446.7
60°	410.4	409.7	408.9	408.1	409.7
62.5°	369.6	370.3	368.1	370.3	367.3
65°	328.8	328.8	329.5	328.0	327.3
67.5°	289.5	289.5	288.0	288.0	291.0
70°	248.7	249.4	247.2	250.2	247.2
72.5°	208.6	209.4	208.6	207.8	209.4
75°	167.8	168.6	168.6	167.0	168.6
77.5°	130.8	131.6	130.8	130.0	130.8
80°	95.2	96.0	95.2	94.4	96.0
82.5°	63.4	64.2	63.4	63.4	64.2
85°	36.2	37.0	36.2	36.2	37.0
87.5°	14.4	15.2	15.2	15.2	15.2
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)