

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: P735667

Luminaire Tested: **22APR-30-B2750-W2D-CP125-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735667
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-CP125-5000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

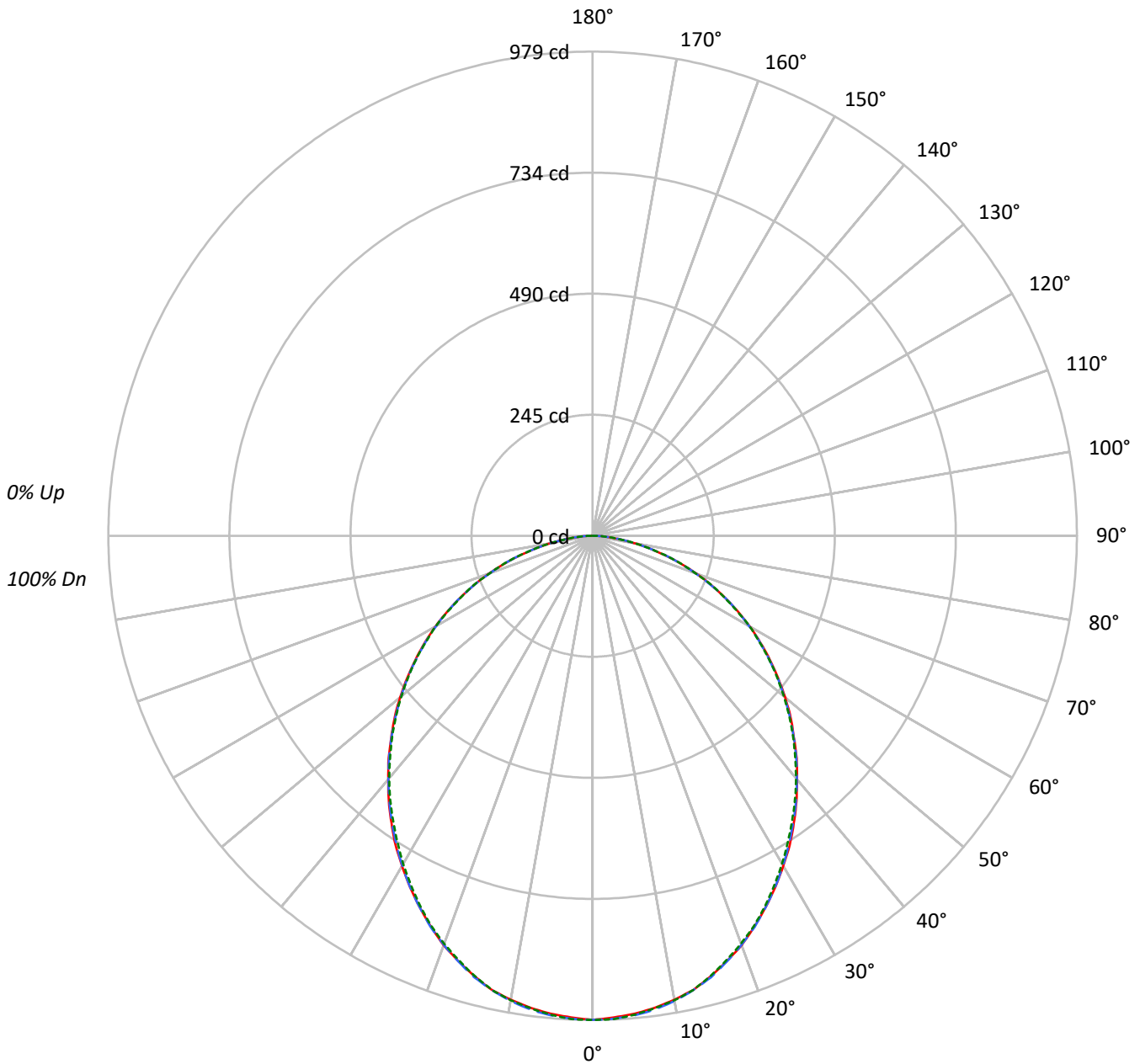
Lumens per Lamp: N/A
Luminaire Lumens: 2501.1 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2634	2634	2634
5°	2621	2630	2626
10°	2603	2610	2607
15°	2569	2575	2567
20°	2523	2521	2513
25°	2459	2459	2451
30°	2395	2393	2380
35°	2330	2323	2310
40°	2259	2256	2247
45°	2190	2187	2179
50°	2126	2117	2112
55°	2052	2043	2043
60°	1976	1969	1972
65°	1873	1877	1864
70°	1751	1740	1740
75°	1561	1568	1568
80°	1320	1320	1331
85°	1000	1000	1022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.7
10°-20°	260.1	10.4
20°-30°	381.4	15.2
30°-40°	442.4	17.7
40°-50°	443.6	17.7
50°-60°	390.2	15.6
60°-70°	291.2	11.6
70°-80°	160.2	6.4
80°-90°	39.6	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°	733.8	29.3
0°-40°	1176.2	47.0
0°-60°	2010.0	80.4
0°-90°	2501.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2501.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	970	974	974	974	972	92
15°	922	926	924	923	922	260
25°	828	832	828	828	826	381
35°	709	710	707	705	703	444
45°	575	577	575	574	573	445
55°	437	438	435	436	435	391
65°	294	294	295	293	293	292
75°	150	151	151	149	151	160
85°	32	33	32	32	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.9	978.9	978.9	978.9	978.9
2.5°	974.8	978.2	977.5	979.6	978.2
5°	970.2	973.6	973.6	973.6	972.2
7.5°	962.7	966.1	966.1	966.1	963.4
10°	952.6	956.0	955.3	955.3	953.9
12.5°	940.5	942.4	941.0	941.0	940.5
15°	922.2	926.2	924.2	922.8	921.5
17.5°	901.9	906.0	902.6	901.9	899.9
20°	880.9	883.6	880.2	880.2	877.5
22.5°	855.2	857.9	855.9	854.6	853.2
25°	828.2	831.6	828.2	827.5	825.5
27.5°	800.4	803.1	799.7	797.0	795.8
30°	770.7	772.7	770.0	768.0	765.9
32.5°	741.6	741.6	738.9	736.9	734.2
35°	709.2	709.9	707.2	705.1	703.1
37.5°	676.8	678.1	675.4	673.4	672.0
40°	643.0	644.3	642.3	640.2	639.6
42.5°	610.5	610.5	609.2	607.1	605.8
45°	575.4	577.4	574.7	574.0	572.6
47.5°	542.9	542.9	540.2	538.8	538.8
50°	507.8	509.1	505.7	505.0	504.4
52.5°	472.6	471.9	471.2	470.6	469.9
55°	437.4	438.1	435.4	436.1	435.4
57.5°	402.3	401.6	400.9	400.3	399.6
60°	367.1	366.5	365.8	365.1	366.5
62.5°	330.6	331.3	329.3	331.3	328.6
65°	294.1	294.1	294.8	293.4	292.8
67.5°	259.0	259.0	257.6	257.6	260.3
70°	222.5	223.1	221.1	223.8	221.1
72.5°	186.6	187.3	186.6	185.9	187.3
75°	150.1	150.8	150.8	149.4	150.8
77.5°	117.0	117.7	117.0	116.3	117.0
80°	85.2	85.9	85.2	84.5	85.9
82.5°	56.7	57.4	56.7	56.7	57.4
85°	32.4	33.1	32.4	32.4	33.1
87.5°	12.9	13.6	13.6	13.6	13.6
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)