

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: P735664

Luminaire Tested: **22APR-30-B2750-W2D-CP125-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735664
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-CP125-3000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

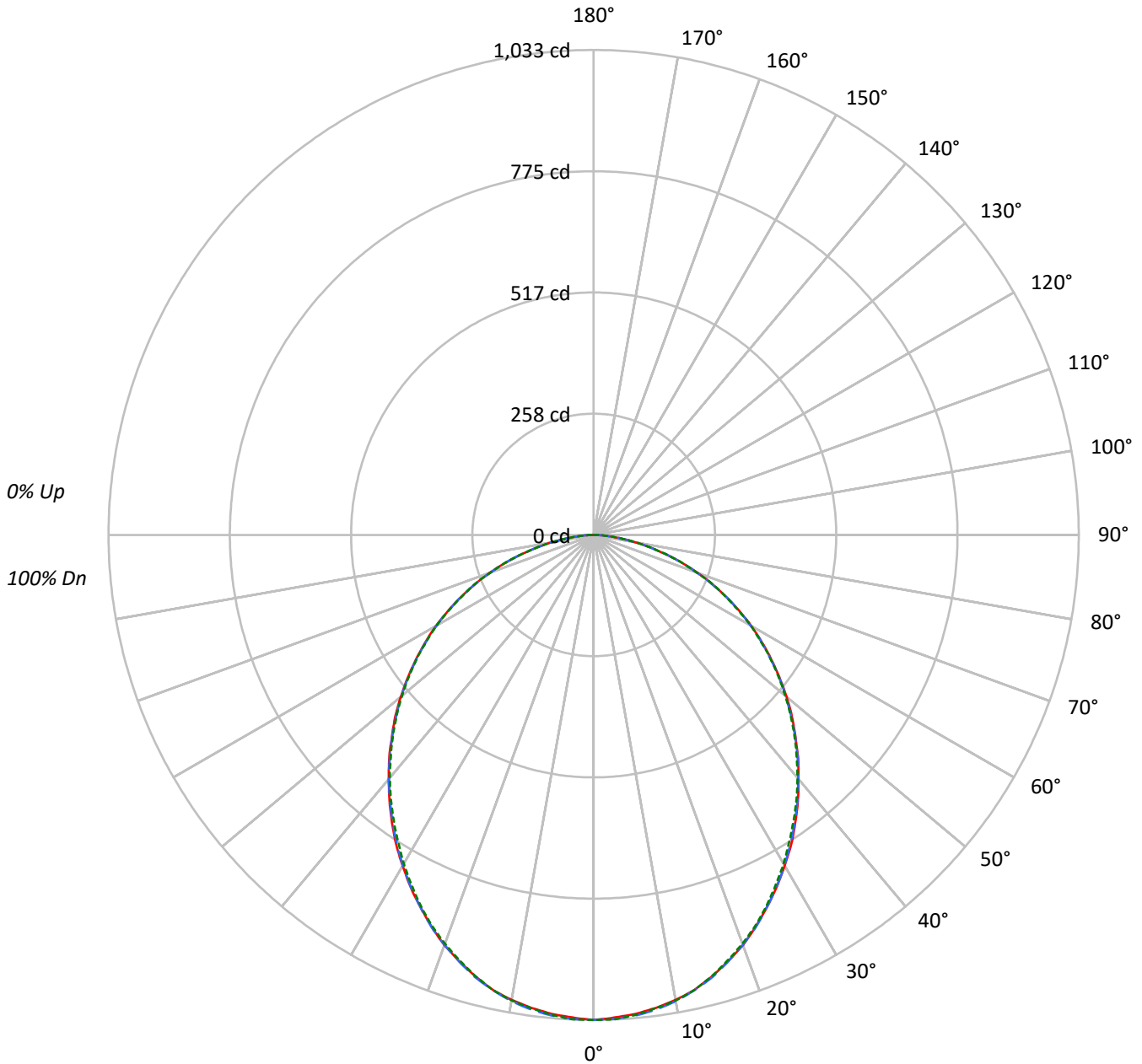
Lumens per Lamp: N/A
Luminaire Lumens: 2640.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2781	2781	2781
5°	2766	2776	2772
10°	2748	2755	2751
15°	2712	2718	2710
20°	2663	2661	2653
25°	2596	2596	2587
30°	2528	2526	2512
35°	2459	2452	2438
40°	2384	2382	2372
45°	2312	2308	2300
50°	2244	2235	2229
55°	2166	2156	2156
60°	2086	2078	2082
65°	1976	1982	1968
70°	1847	1836	1836
75°	1647	1655	1655
80°	1393	1393	1404
85°	1056	1056	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	3.7
10°-20°	274.6	10.4
20°-30°	402.6	15.2
30°-40°	467.0	17.7
40°-50°	468.3	17.7
50°-60°	411.8	15.6
60°-70°	307.3	11.6
70°-80°	169.1	6.4
80°-90°	41.8	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°	774.6	29.3
0°-40°	1241.6	47.0
0°-60°	2121.7	80.4
0°-90°	2640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1024	1028	1028	1028	1026	97
15°	974	978	976	974	973	274
25°	874	878	874	874	871	403
35°	749	749	746	744	742	468
45°	607	610	607	606	604	469
55°	462	462	460	460	460	413
65°	310	310	311	310	309	308
75°	158	159	159	158	159	169
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°	1033.3	1033.3	1033.3	1033.3	1033.3
2.5°	1029.0	1032.6	1031.9	1034.1	1032.6
5°	1024.1	1027.7	1027.7	1027.7	1026.2
7.5°	1016.2	1019.8	1019.8	1019.8	1016.9
10°	1005.6	1009.1	1008.4	1008.4	1006.9
12.5°	992.7	994.8	993.3	993.3	992.7
15°	973.5	977.7	975.6	974.1	972.7
17.5°	952.0	956.3	952.7	952.0	949.9
20°	929.9	932.7	929.1	929.1	926.3
22.5°	902.7	905.6	903.5	902.1	900.6
25°	874.2	877.8	874.2	873.5	871.4
27.5°	844.9	847.8	844.2	841.3	840.0
30°	813.6	815.7	812.8	810.7	808.5
32.5°	782.8	782.8	780.0	777.9	775.0
35°	748.6	749.4	746.5	744.3	742.2
37.5°	714.4	715.8	712.9	710.8	709.4
40°	678.7	680.1	678.0	675.8	675.2
42.5°	644.4	644.4	643.0	640.8	639.5
45°	607.4	609.5	606.6	605.9	604.4
47.5°	573.0	573.0	570.2	568.7	568.7
50°	536.0	537.4	533.8	533.0	532.4
52.5°	498.8	498.1	497.4	496.7	496.0
55°	461.7	462.4	459.6	460.3	459.6
57.5°	424.6	423.9	423.1	422.5	421.8
60°	387.5	386.8	386.1	385.4	386.8
62.5°	348.9	349.7	347.6	349.7	346.8
65°	310.4	310.4	311.2	309.7	309.1
67.5°	273.4	273.4	271.9	271.9	274.7
70°	234.8	235.5	233.4	236.2	233.4
72.5°	196.9	197.7	196.9	196.2	197.7
75°	158.4	159.2	159.2	157.7	159.2
77.5°	123.5	124.2	123.5	122.7	123.5
80°	89.9	90.6	89.9	89.1	90.6
82.5°	59.9	60.6	59.9	59.9	60.6
85°	34.2	34.9	34.2	34.2	34.9
87.5°	13.6	14.3	14.3	14.3	14.3
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)