

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: P735672

Luminaire Tested: **22APR-30-B2750-W2D-CP250-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735672
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-CP250-5000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

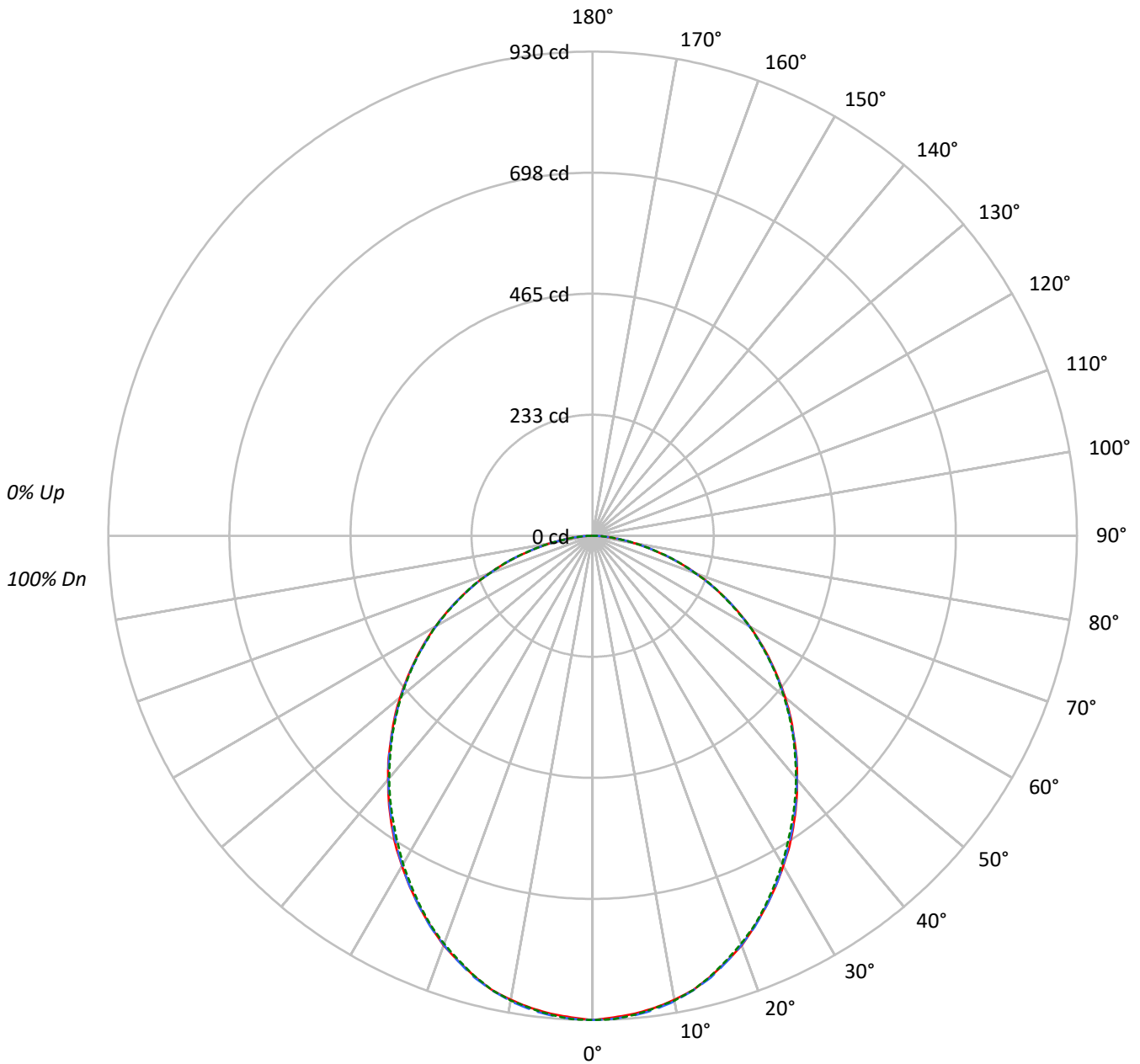
Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2503	2503	2503
5°	2490	2498	2495
10°	2473	2480	2476
15°	2441	2446	2439
20°	2397	2395	2387
25°	2336	2336	2328
30°	2275	2273	2261
35°	2213	2207	2194
40°	2146	2144	2134
45°	2080	2078	2070
50°	2020	2011	2006
55°	1949	1940	1940
60°	1877	1870	1874
65°	1779	1783	1771
70°	1663	1652	1652
75°	1483	1489	1489
80°	1254	1254	1265
85°	951	951	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	3.7
10°-20°	247.1	10.4
20°-30°	362.3	15.2
30°-40°	420.3	17.7
40°-50°	421.4	17.7
50°-60°	370.6	15.6
60°-70°	276.6	11.6
70°-80°	152.2	6.4
80°-90°	37.7	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°	697.1	29.3
0°-40°	1117.5	47.0
0°-60°	1909.5	80.4
0°-90°	2376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	922	925	925	925	924	87
15°	876	880	878	877	876	247
25°	787	790	787	786	784	362
35°	674	674	672	670	668	421
45°	547	548	546	545	544	422
55°	416	416	414	414	414	372
65°	279	279	280	279	278	277
75°	143	143	143	142	143	152
85°	31	31	31	31	31	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.0	930.0	930.0	930.0	930.0
2.5°	926.1	929.3	928.7	930.7	929.3
5°	921.7	924.9	924.9	924.9	923.6
7.5°	914.6	917.8	917.8	917.8	915.2
10°	905.0	908.2	907.6	907.6	906.2
12.5°	893.5	895.3	894.0	894.0	893.5
15°	876.1	879.9	878.0	876.7	875.5
17.5°	856.8	860.7	857.4	856.8	854.9
20°	836.9	839.4	836.2	836.2	833.7
22.5°	812.4	815.0	813.1	811.9	810.6
25°	786.8	790.0	786.8	786.1	784.2
27.5°	760.4	763.0	759.8	757.2	756.0
30°	732.2	734.1	731.5	729.7	727.7
32.5°	704.5	704.5	702.0	700.1	697.5
35°	673.8	674.4	671.9	669.9	668.0
37.5°	643.0	644.2	641.6	639.8	638.4
40°	610.9	612.1	610.2	608.2	607.6
42.5°	580.0	580.0	578.7	576.7	575.5
45°	546.6	548.5	546.0	545.3	544.0
47.5°	515.7	515.7	513.2	511.8	511.8
50°	482.4	483.6	480.4	479.7	479.2
52.5°	448.9	448.3	447.6	447.1	446.4
55°	415.5	416.2	413.6	414.3	413.6
57.5°	382.2	381.5	380.8	380.3	379.6
60°	348.7	348.2	347.5	346.8	348.2
62.5°	314.0	314.7	312.8	314.7	312.2
65°	279.4	279.4	280.0	278.7	278.1
67.5°	246.0	246.0	244.7	244.7	247.3
70°	211.4	211.9	210.0	212.6	210.0
72.5°	177.2	177.9	177.2	176.6	177.9
75°	142.6	143.2	143.2	141.9	143.2
77.5°	111.1	111.8	111.1	110.5	111.1
80°	80.9	81.6	80.9	80.2	81.6
82.5°	53.9	54.6	53.9	53.9	54.6
85°	30.8	31.4	30.8	30.8	31.4
87.5°	12.2	12.9	12.9	12.9	12.9
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)