

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: P735649

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735649
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-22-B2750-W2D-CP125-3000K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

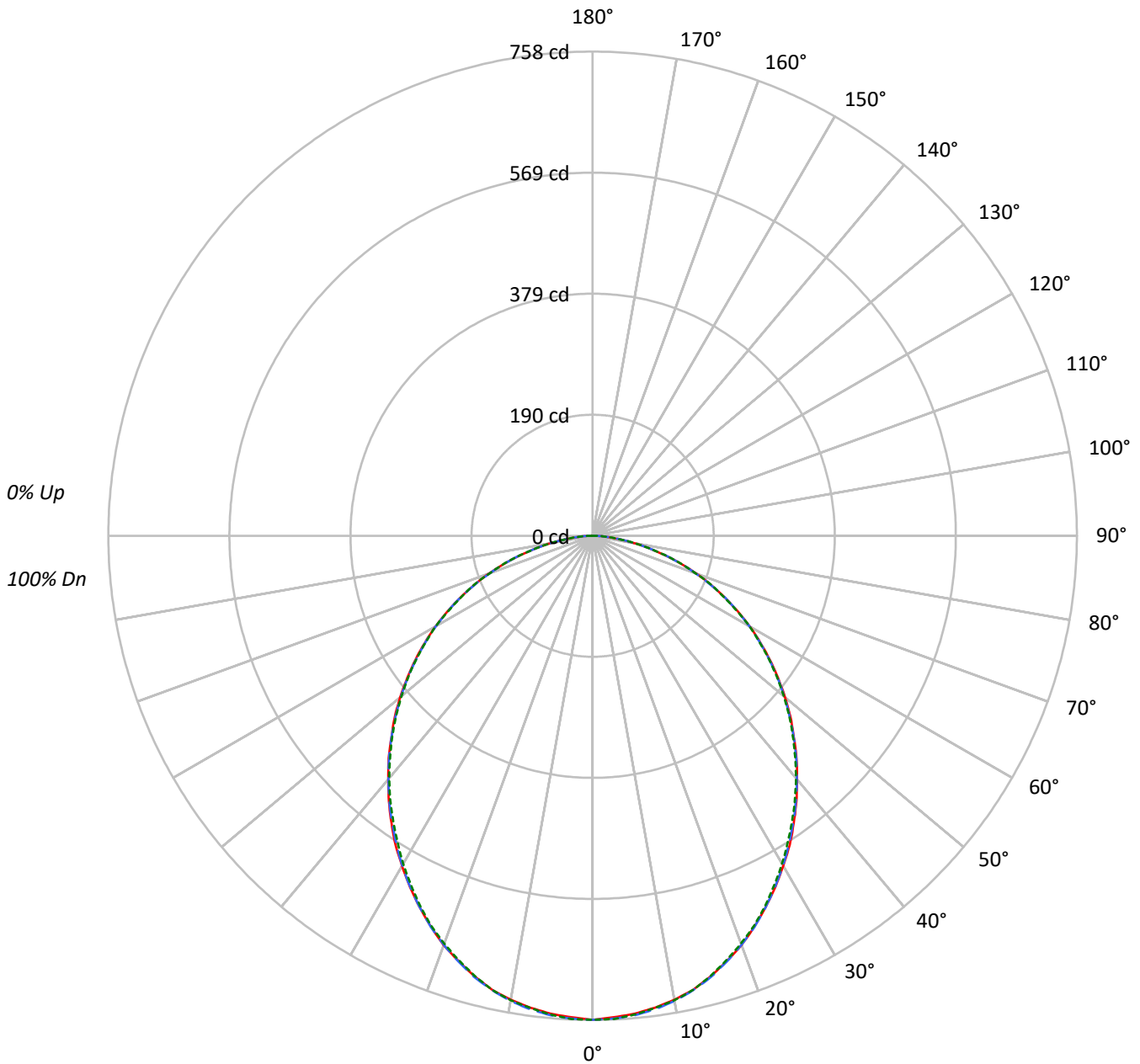
Lumens per Lamp: N/A
Luminaire Lumens: 1936.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	2039	2039	2039
5°	2029	2036	2033
10°	2015	2021	2018
15°	1989	1993	1987
20°	1953	1951	1945
25°	1904	1904	1897
30°	1854	1852	1842
35°	1804	1798	1788
40°	1748	1747	1739
45°	1695	1693	1687
50°	1646	1639	1634
55°	1589	1581	1581
60°	1529	1524	1527
65°	1449	1453	1443
70°	1355	1346	1346
75°	1208	1213	1213
80°	1021	1021	1031
85°	775	775	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.7
10°-20°	201.3	10.4
20°-30°	295.2	15.2
30°-40°	342.5	17.7
40°-50°	343.4	17.7
50°-60°	302.0	15.6
60°-70°	225.4	11.6
70°-80°	124.0	6.4
80°-90°	30.7	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°	568.0	29.3
0°-40°	910.5	47.0
0°-60°	1555.9	80.4
0°-90°	1936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	751	754	754	754	752	71
15°	714	717	715	714	713	201
25°	641	644	641	640	639	295
35°	549	550	547	546	544	343
45°	445	447	445	444	443	344
55°	339	339	337	338	337	303
65°	228	228	228	227	227	226
75°	116	117	117	116	117	124
85°	25	26	25	25	26	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.8	757.8	757.8	757.8	757.8
2.5°	754.6	757.2	756.7	758.3	757.2
5°	751.0	753.6	753.6	753.6	752.5
7.5°	745.2	747.8	747.8	747.8	745.7
10°	737.4	740.0	739.5	739.5	738.4
12.5°	728.0	729.5	728.5	728.5	728.0
15°	713.9	717.0	715.4	714.3	713.3
17.5°	698.1	701.3	698.7	698.1	696.6
20°	681.9	684.0	681.4	681.4	679.3
22.5°	662.0	664.1	662.5	661.5	660.5
25°	641.1	643.7	641.1	640.5	639.0
27.5°	619.6	621.7	619.1	617.0	616.0
30°	596.6	598.2	596.1	594.5	592.9
32.5°	574.1	574.1	572.0	570.4	568.4
35°	549.0	549.5	547.4	545.8	544.3
37.5°	523.9	524.9	522.8	521.3	520.2
40°	497.7	498.7	497.2	495.6	495.1
42.5°	472.6	472.6	471.6	469.9	468.9
45°	445.4	446.9	444.9	444.3	443.2
47.5°	420.2	420.2	418.1	417.1	417.1
50°	393.1	394.1	391.4	390.9	390.4
52.5°	365.8	365.3	364.7	364.3	363.7
55°	338.6	339.1	337.0	337.6	337.0
57.5°	311.4	310.8	310.3	309.9	309.3
60°	284.1	283.7	283.1	282.6	283.7
62.5°	255.9	256.4	254.9	256.4	254.3
65°	227.6	227.6	228.2	227.1	226.6
67.5°	200.5	200.5	199.4	199.4	201.5
70°	172.2	172.7	171.1	173.2	171.1
72.5°	144.4	145.0	144.4	143.9	145.0
75°	116.2	116.7	116.7	115.6	116.7
77.5°	90.5	91.1	90.5	90.0	90.5
80°	65.9	66.5	65.9	65.4	66.5
82.5°	43.9	44.5	43.9	43.9	44.5
85°	25.1	25.6	25.1	25.1	25.6
87.5°	10.0	10.5	10.5	10.5	10.5
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)