

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: P735651

Luminaire Tested: **22APR-22-B2750-W2D-CP125-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735651
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-CP125-4000K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

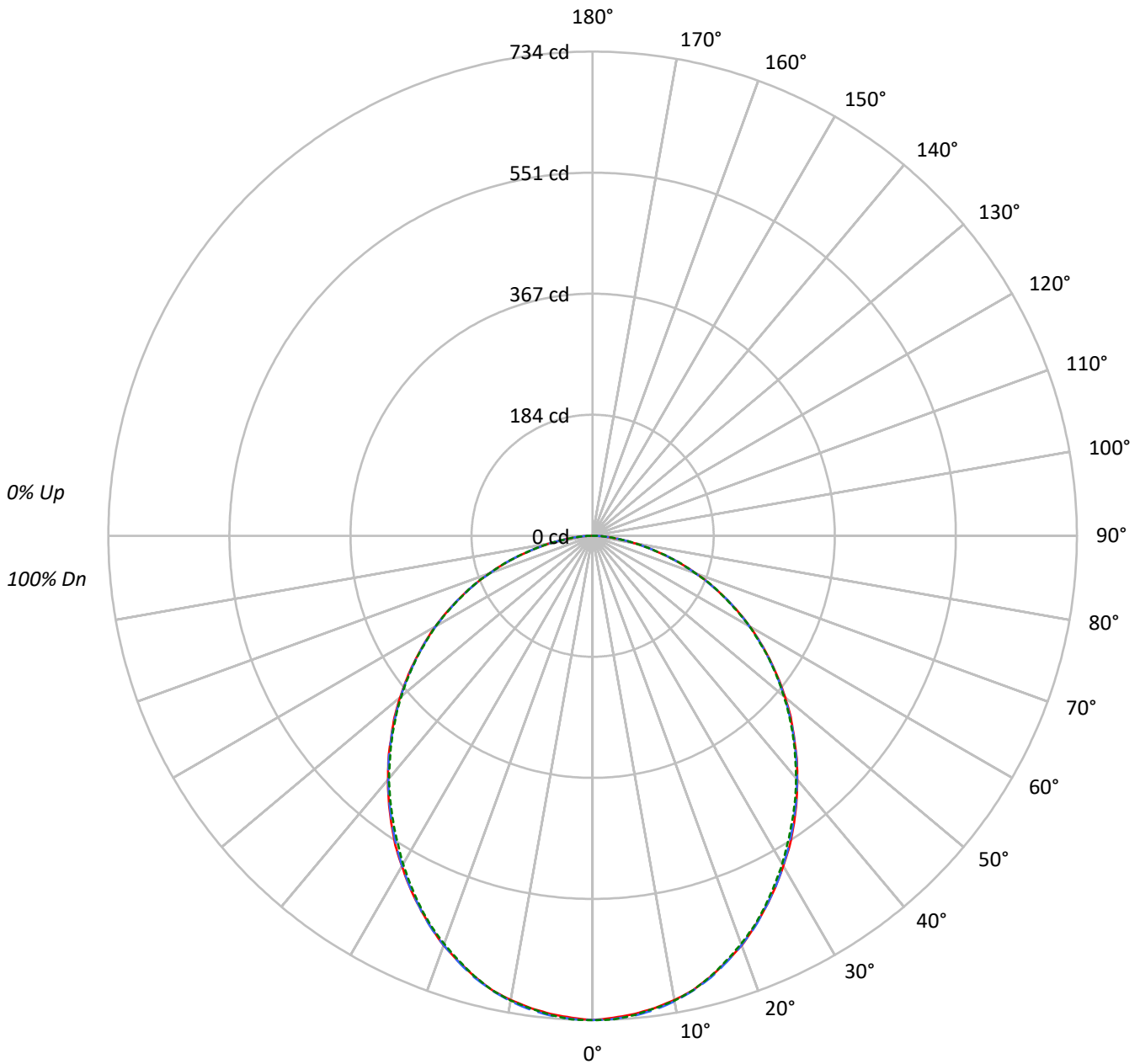
Lumens per Lamp: N/A
Luminaire Lumens: 1876.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1976	1976	1976
5°	1966	1973	1970
10°	1953	1958	1955
15°	1927	1931	1926
20°	1892	1891	1885
25°	1844	1844	1839
30°	1796	1795	1785
35°	1748	1743	1733
40°	1694	1692	1685
45°	1643	1641	1635
50°	1595	1588	1584
55°	1539	1532	1532
60°	1482	1477	1480
65°	1405	1408	1398
70°	1313	1304	1304
75°	1171	1176	1176
80°	990	990	998
85°	750	750	766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	3.7
10°-20°	195.1	10.4
20°-30°	286.1	15.2
30°-40°	331.9	17.7
40°-50°	332.7	17.7
50°-60°	292.6	15.6
60°-70°	218.4	11.6
70°-80°	120.2	6.4
80°-90°	29.7	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°	550.4	29.3
0°-40°	882.3	47.0
0°-60°	1507.7	80.4
0°-90°	1876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	734	734	734	734	734	
5°	728	730	730	730	729	69
15°	692	695	693	692	691	195
25°	621	624	621	621	619	286
35°	532	532	530	529	527	333
45°	432	433	431	430	430	334
55°	328	329	327	327	327	293
65°	221	221	221	220	220	219
75°	113	113	113	112	113	120
85°	24	25	24	24	25	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.3	734.3	734.3	734.3	734.3
2.5°	731.2	733.8	733.3	734.8	733.8
5°	727.7	730.3	730.3	730.3	729.2
7.5°	722.1	724.7	724.7	724.7	722.6
10°	714.6	717.1	716.6	716.6	715.5
12.5°	705.4	706.9	705.9	705.9	705.4
15°	691.7	694.7	693.2	692.2	691.2
17.5°	676.5	679.6	677.0	676.5	675.0
20°	660.8	662.8	660.3	660.3	658.2
22.5°	641.5	643.5	642.0	641.0	640.0
25°	621.2	623.8	621.2	620.7	619.2
27.5°	600.4	602.4	599.9	597.9	596.9
30°	578.1	579.6	577.6	576.1	574.5
32.5°	556.3	556.3	554.3	552.8	550.7
35°	532.0	532.5	530.5	528.9	527.4
37.5°	507.7	508.6	506.6	505.1	504.1
40°	482.3	483.3	481.8	480.2	479.8
42.5°	457.9	457.9	457.0	455.4	454.4
45°	431.6	433.1	431.1	430.5	429.5
47.5°	407.2	407.2	405.2	404.1	404.1
50°	380.9	381.8	379.3	378.8	378.3
52.5°	354.5	353.9	353.4	353.0	352.5
55°	328.1	328.6	326.6	327.1	326.6
57.5°	301.7	301.2	300.7	300.2	299.7
60°	275.3	274.9	274.4	273.8	274.9
62.5°	248.0	248.5	247.0	248.5	246.5
65°	220.6	220.6	221.1	220.1	219.6
67.5°	194.3	194.3	193.2	193.2	195.2
70°	166.9	167.3	165.8	167.8	165.8
72.5°	139.9	140.5	139.9	139.4	140.5
75°	112.6	113.1	113.1	112.0	113.1
77.5°	87.7	88.3	87.7	87.2	87.7
80°	63.9	64.4	63.9	63.3	64.4
82.5°	42.6	43.1	42.6	42.6	43.1
85°	24.3	24.8	24.3	24.3	24.8
87.5°	9.7	10.2	10.2	10.2	10.2
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)