

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: P735654

Luminaire Tested: **22APR-22-B2750-W2D-CP250-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735654
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-CP250-3000K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

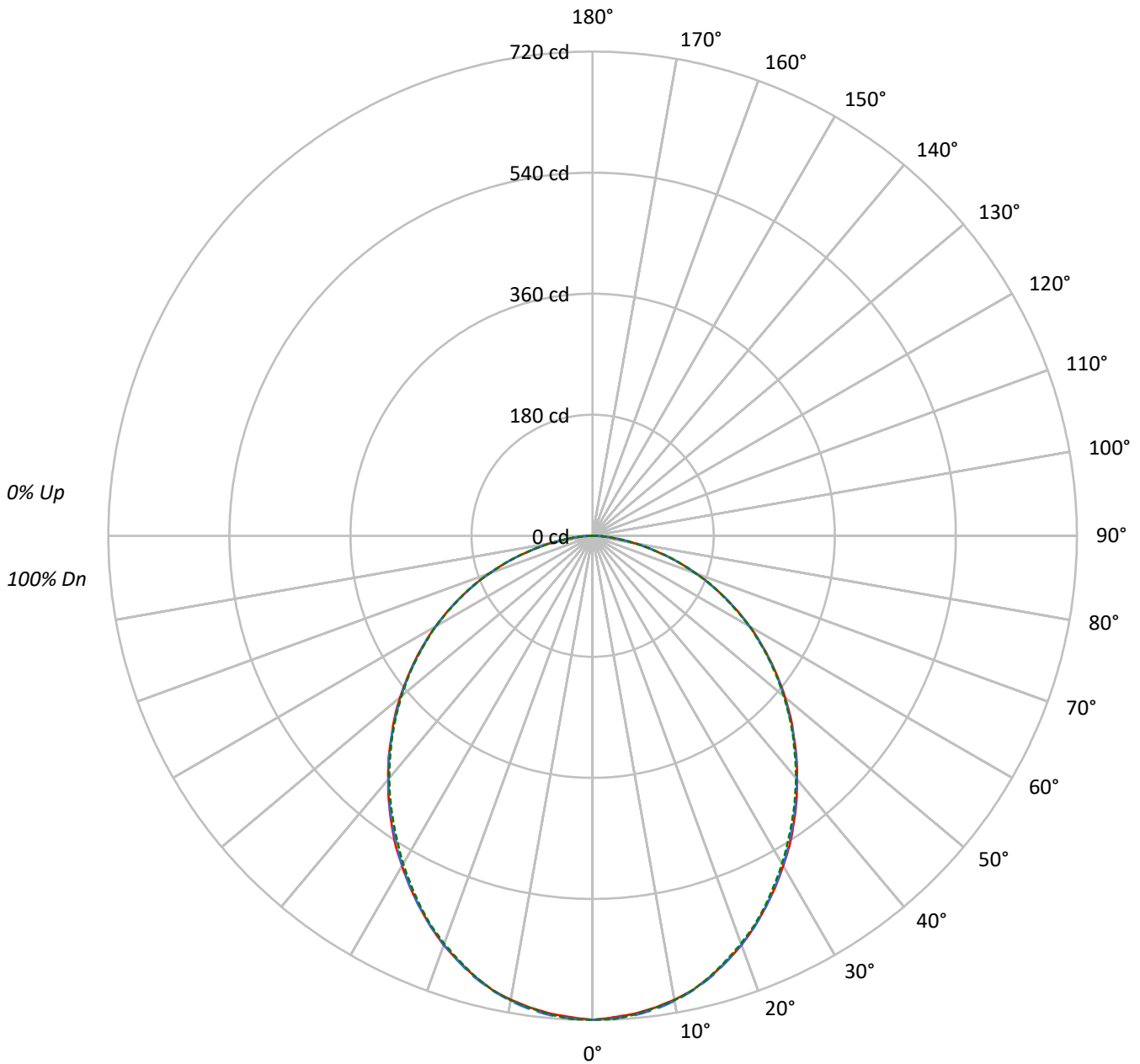
Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P735654

CATALOG NUMBER: 22APR-22-B2750-W2D-CP250-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P735654

CATALOG NUMBER: 22APR-22-B2750-W2D-CP250-3000K

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°	1937	1937	1937
5°	1927	1934	1931
10°	1914	1919	1917
15°	1889	1893	1888
20°	1855	1853	1848
25°	1808	1808	1802
30°	1761	1759	1750
35°	1713	1708	1698
40°	1661	1659	1652
45°	1610	1608	1602
50°	1563	1557	1553
55°	1509	1502	1502
60°	1453	1448	1450
65°	1377	1380	1371
70°	1287	1279	1279
75°	1148	1153	1153
80°	970	970	978
85°	735	735	750



TEST NUMBER: P735654

CATALOG NUMBER: 22APR-22-B2750-W2D-CP250-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.7
10°-20°	191.3	10.4
20°-30°	280.4	15.2
30°-40°	325.3	17.7
40°-50°	326.2	17.7
50°-60°	286.9	15.6
60°-70°	214.1	11.6
70°-80°	117.8	6.4
80°-90°	29.1	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°	539.6	29.3
0°-40°	864.9	47.0
0°-60°	1478.0	80.4
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	713	716	716	716	715	68
15°	678	681	680	678	678	191
25°	609	611	609	608	607	281
35°	522	522	520	518	517	326
45°	423	424	423	422	421	327
55°	322	322	320	321	320	288
65°	216	216	217	216	215	214
75°	110	111	111	110	111	118
85°	24	24	24	24	24	29
90°	0	0	0	0	0	



TEST NUMBER: P735654

CATALOG NUMBER: 22APR-22-B2750-W2D-CP250-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.8	719.8	719.8	719.8	719.8
2.5°	716.8	719.3	718.8	720.3	719.3
5°	713.4	715.9	715.9	715.9	714.8
7.5°	707.9	710.4	710.4	710.4	708.4
10°	700.5	703.0	702.4	702.4	701.4
12.5°	691.5	693.0	692.0	692.0	691.5
15°	678.1	681.0	679.6	678.5	677.6
17.5°	663.1	666.2	663.7	663.1	661.7
20°	647.7	649.7	647.2	647.2	645.3
22.5°	628.8	630.8	629.3	628.4	627.4
25°	609.0	611.4	609.0	608.4	607.0
27.5°	588.6	590.5	588.1	586.1	585.1
30°	566.7	568.2	566.2	564.7	563.2
32.5°	545.3	545.3	543.3	541.9	539.9
35°	521.5	522.0	520.0	518.5	517.0
37.5°	497.7	498.6	496.6	495.2	494.1
40°	472.8	473.7	472.3	470.7	470.3
42.5°	448.9	448.9	447.9	446.4	445.4
45°	423.1	424.5	422.6	422.1	421.0
47.5°	399.2	399.2	397.2	396.2	396.2
50°	373.4	374.3	371.8	371.3	370.9
52.5°	347.5	347.0	346.5	346.0	345.5
55°	321.6	322.1	320.1	320.6	320.1
57.5°	295.8	295.3	294.8	294.3	293.8
60°	269.9	269.5	269.0	268.4	269.5
62.5°	243.1	243.6	242.1	243.6	241.6
65°	216.2	216.2	216.7	215.7	215.3
67.5°	190.4	190.4	189.4	189.4	191.4
70°	163.6	164.0	162.6	164.5	162.6
72.5°	137.2	137.7	137.2	136.7	137.7
75°	110.4	110.9	110.9	109.8	110.9
77.5°	86.0	86.5	86.0	85.5	86.0
80°	62.6	63.1	62.6	62.1	63.1
82.5°	41.7	42.2	41.7	41.7	42.2
85°	23.8	24.3	23.8	23.8	24.3
87.5°	9.5	10.0	10.0	10.0	10.0
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)