

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: P735661

Luminaire Tested: **22APR-30-B2750-W2D-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735661
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-4000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT

Light Source: -
Ballast/Driver: -

Summary

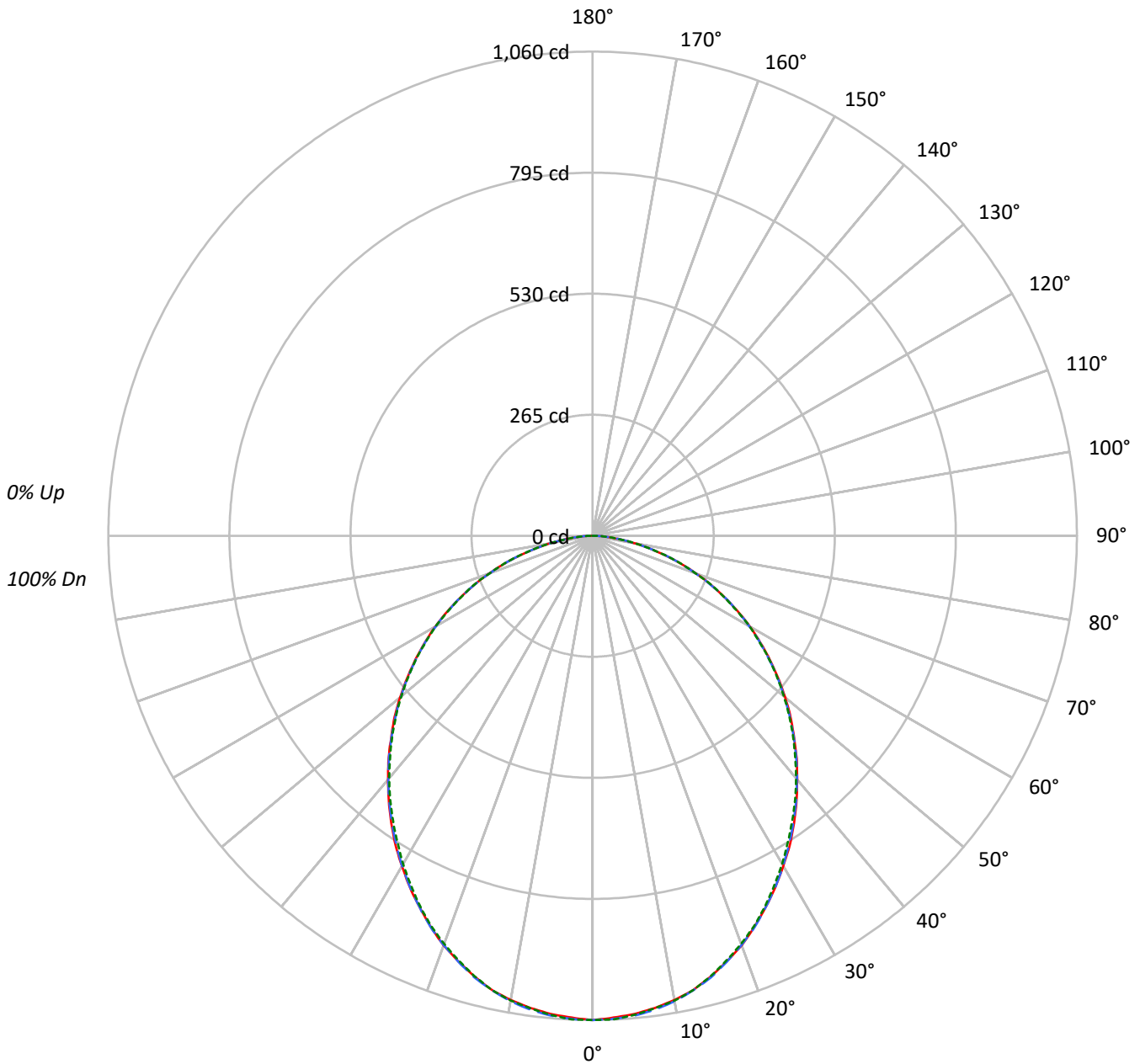
Lumens per Lamp: N/A
Luminaire Lumens: 2709.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2854	2854	2854
5°	2839	2848	2844
10°	2819	2828	2823
15°	2783	2789	2781
20°	2733	2730	2722
25°	2663	2663	2655
30°	2594	2592	2578
35°	2524	2516	2502
40°	2447	2444	2434
45°	2372	2369	2360
50°	2303	2293	2287
55°	2222	2213	2213
60°	2140	2132	2137
65°	2028	2033	2019
70°	1896	1884	1884
75°	1691	1698	1698
80°	1429	1429	1441
85°	1084	1084	1108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	3.7
10°-20°	281.7	10.4
20°-30°	413.1	15.2
30°-40°	479.2	17.7
40°-50°	480.5	17.7
50°-60°	422.6	15.6
60°-70°	315.4	11.6
70°-80°	173.5	6.4
80°-90°	42.9	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°	794.8	29.3
0°-40°	1274.1	47.0
0°-60°	2177.2	80.4
0°-90°	2709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1051	1054	1054	1054	1053	100
15°	999	1003	1001	1000	998	281
25°	897	901	897	896	894	413
35°	768	769	766	764	762	480
45°	623	625	622	622	620	482
55°	474	474	472	472	472	424
65°	318	318	319	318	317	316
75°	163	163	163	162	163	173
85°	35	36	35	35	36	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1060.4	1060.4	1060.4	1060.4	1060.4
2.5°	1055.9	1059.6	1058.8	1061.1	1059.6
5°	1050.9	1054.5	1054.5	1054.5	1053.0
7.5°	1042.7	1046.4	1046.4	1046.4	1043.5
10°	1031.8	1035.5	1034.8	1034.8	1033.2
12.5°	1018.7	1020.8	1019.3	1019.3	1018.7
15°	998.9	1003.2	1001.1	999.5	998.1
17.5°	976.9	981.3	977.6	976.9	974.7
20°	954.2	957.1	953.4	953.4	950.5
22.5°	926.3	929.2	927.1	925.7	924.2
25°	897.0	900.7	897.0	896.3	894.1
27.5°	867.0	869.9	866.3	863.3	861.9
30°	834.8	837.0	834.1	831.9	829.6
32.5°	803.3	803.3	800.4	798.2	795.3
35°	768.2	768.9	766.0	763.8	761.6
37.5°	733.1	734.5	731.6	729.4	727.9
40°	696.5	697.9	695.7	693.4	692.8
42.5°	661.2	661.2	659.9	657.6	656.2
45°	623.2	625.4	622.5	621.7	620.2
47.5°	588.0	588.0	585.1	583.6	583.6
50°	550.0	551.4	547.7	547.0	546.3
52.5°	511.9	511.1	510.3	509.7	509.0
55°	473.7	474.5	471.6	472.3	471.6
57.5°	435.7	435.0	434.2	433.6	432.8
60°	397.6	397.0	396.2	395.4	397.0
62.5°	358.1	358.8	356.7	358.8	355.9
65°	318.5	318.5	319.3	317.8	317.1
67.5°	280.5	280.5	279.0	279.0	281.9
70°	241.0	241.6	239.5	242.4	239.5
72.5°	202.1	202.8	202.1	201.3	202.8
75°	162.6	163.3	163.3	161.8	163.3
77.5°	126.7	127.5	126.7	125.9	126.7
80°	92.2	93.0	92.2	91.5	93.0
82.5°	61.4	62.2	61.4	61.4	62.2
85°	35.1	35.9	35.1	35.1	35.9
87.5°	13.9	14.7	14.7	14.7	14.7
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)