

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: P735671

Luminaire Tested: **22APR-30-B2750-W2D-CP250-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735671
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-CP250-4000K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 4000K CCT, AND CP250 LENS

Light Source: -
Ballast/Driver: -

Summary

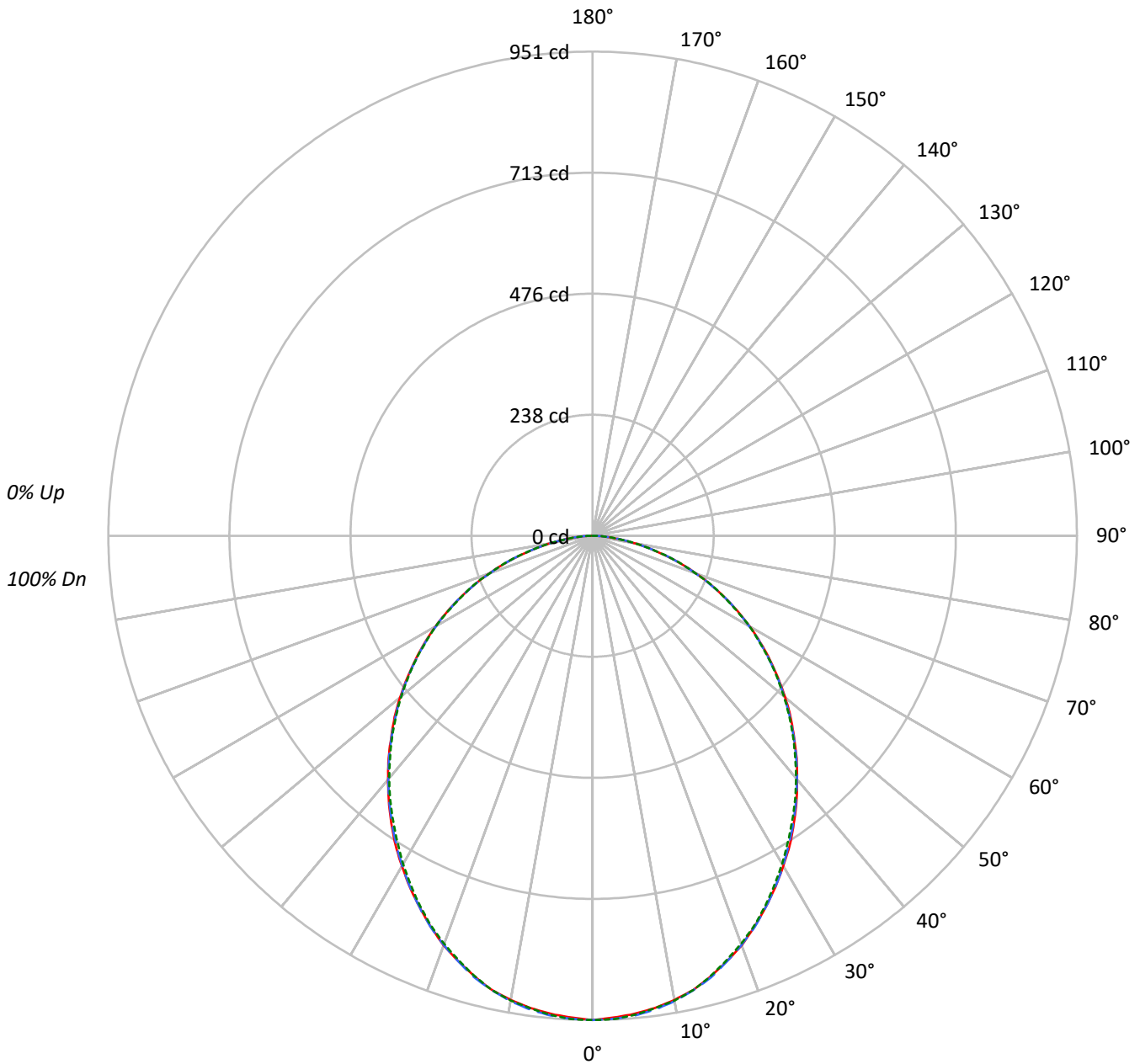
Lumens per Lamp: N/A
Luminaire Lumens: 2430.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P735671

CATALOG NUMBER: 22APR-30-B2750-W2D-CP250-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P735671

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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°	2560	2560	2560
5°	2546	2555	2552
10°	2529	2536	2532
15°	2496	2502	2494
20°	2451	2449	2442
25°	2389	2389	2381
30°	2327	2325	2312
35°	2264	2257	2244
40°	2194	2192	2183
45°	2128	2125	2117
50°	2066	2057	2052
55°	1993	1985	1985
60°	1919	1913	1917
65°	1819	1824	1812
70°	1701	1690	1690
75°	1516	1523	1523
80°	1282	1282	1292
85°	973	973	994



TEST NUMBER: P735671

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.7
10°-20°	252.7	10.4
20°-30°	370.6	15.2
30°-40°	429.9	17.7
40°-50°	431.0	17.7
50°-60°	379.1	15.6
60°-70°	282.9	11.6
70°-80°	155.7	6.4
80°-90°	38.5	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°	713.0	29.3
0°-40°	1142.8	47.0
0°-60°	1952.9	80.4
0°-90°	2430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	943	946	946	946	945	89
15°	896	900	898	897	895	252
25°	805	808	805	804	802	371
35°	689	690	687	685	683	431
45°	559	561	558	558	556	432
55°	425	426	423	424	423	380
65°	286	286	286	285	284	283
75°	146	146	146	145	146	156
85°	32	32	32	32	32	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.2	951.2	951.2	951.2	951.2
2.5°	947.2	950.5	949.8	951.8	950.5
5°	942.6	945.9	945.9	945.9	944.6
7.5°	935.4	938.6	938.6	938.6	936.0
10°	925.6	928.9	928.2	928.2	926.8
12.5°	913.8	915.7	914.3	914.3	913.8
15°	896.0	899.9	898.0	896.6	895.3
17.5°	876.3	880.2	876.9	876.3	874.3
20°	855.9	858.5	855.2	855.2	852.6
22.5°	830.9	833.5	831.6	830.3	829.0
25°	804.7	807.9	804.7	804.0	802.0
27.5°	777.7	780.3	777.0	774.4	773.2
30°	748.9	750.8	748.2	746.2	744.2
32.5°	720.6	720.6	717.9	716.0	713.4
35°	689.1	689.8	687.1	685.1	683.2
37.5°	657.6	658.8	656.2	654.3	652.9
40°	624.7	626.0	624.1	622.0	621.4
42.5°	593.1	593.1	591.9	589.9	588.6
45°	559.1	561.0	558.4	557.7	556.3
47.5°	527.5	527.5	524.8	523.5	523.5
50°	493.4	494.6	491.3	490.6	490.1
52.5°	459.2	458.5	457.8	457.2	456.5
55°	424.9	425.6	423.0	423.7	423.0
57.5°	390.8	390.2	389.5	388.9	388.2
60°	356.6	356.1	355.4	354.7	356.1
62.5°	321.2	321.9	319.9	321.9	319.2
65°	285.7	285.7	286.4	285.0	284.5
67.5°	251.6	251.6	250.3	250.3	252.9
70°	216.2	216.7	214.8	217.4	214.8
72.5°	181.3	182.0	181.3	180.6	182.0
75°	145.8	146.5	146.5	145.1	146.5
77.5°	113.7	114.3	113.7	113.0	113.7
80°	82.7	83.4	82.7	82.1	83.4
82.5°	55.1	55.8	55.1	55.1	55.8
85°	31.5	32.2	31.5	31.5	32.2
87.5°	12.5	13.2	13.2	13.2	13.2
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)