

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: P735665

Luminaire Tested: **22APR-30-B2750-W2D-CP125-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735665
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-CP125-3500K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3500K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

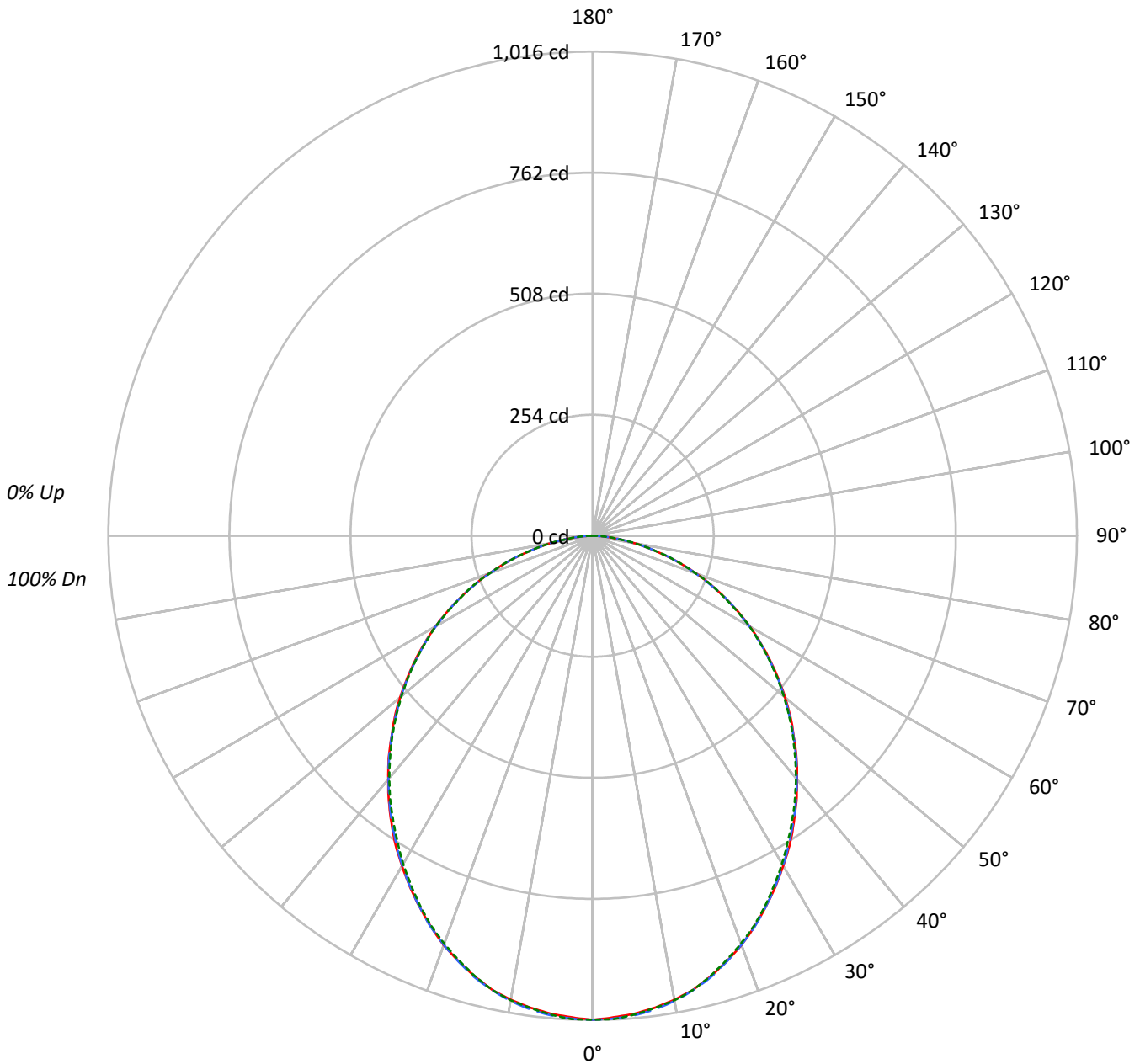
Lumens per Lamp: N/A
Luminaire Lumens: 2595.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	2733	2733	2733
5°	2719	2729	2725
10°	2701	2708	2705
15°	2666	2671	2664
20°	2617	2615	2607
25°	2551	2551	2543
30°	2485	2483	2469
35°	2417	2411	2396
40°	2344	2341	2331
45°	2272	2269	2261
50°	2206	2197	2191
55°	2129	2119	2119
60°	2050	2042	2046
65°	1943	1947	1934
70°	1816	1805	1805
75°	1619	1626	1626
80°	1370	1370	1381
85°	1037	1037	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.7
10°-20°	269.9	10.4
20°-30°	395.7	15.2
30°-40°	459.1	17.7
40°-50°	460.3	17.7
50°-60°	404.8	15.6
60°-70°	302.1	11.6
70°-80°	166.2	6.4
80°-90°	41.1	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°	761.4	29.3
0°-40°	1220.5	47.0
0°-60°	2085.5	80.4
0°-90°	2595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1007	1010	1010	1010	1009	96
15°	957	961	959	958	956	270
25°	859	863	859	859	856	396
35°	736	737	734	732	730	460
45°	597	599	596	596	594	461
55°	454	454	452	452	452	406
65°	305	305	306	304	304	302
75°	156	156	156	155	156	166
85°	34	34	34	34	34	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.7	1015.7	1015.7	1015.7	1015.7
2.5°	1011.5	1015.0	1014.3	1016.5	1015.0
5°	1006.6	1010.2	1010.2	1010.2	1008.7
7.5°	998.9	1002.4	1002.4	1002.4	999.6
10°	988.4	991.9	991.2	991.2	989.8
12.5°	975.8	977.9	976.4	976.4	975.8
15°	956.9	961.0	958.9	957.5	956.1
17.5°	935.8	940.0	936.5	935.8	933.7
20°	914.0	916.8	913.3	913.3	910.5
22.5°	887.3	890.1	888.1	886.7	885.3
25°	859.3	862.8	859.3	858.6	856.5
27.5°	830.5	833.3	829.8	827.0	825.7
30°	799.7	801.8	799.0	796.9	794.7
32.5°	769.5	769.5	766.7	764.6	761.8
35°	735.9	736.6	733.8	731.6	729.5
37.5°	702.2	703.6	700.8	698.7	697.3
40°	667.2	668.5	666.4	664.3	663.6
42.5°	633.4	633.4	632.1	629.9	628.6
45°	597.0	599.1	596.3	595.6	594.1
47.5°	563.3	563.3	560.5	559.0	559.0
50°	526.9	528.2	524.7	523.9	523.3
52.5°	490.3	489.6	488.9	488.3	487.5
55°	453.8	454.5	451.7	452.5	451.7
57.5°	417.4	416.7	415.9	415.3	414.6
60°	380.9	380.2	379.5	378.8	380.2
62.5°	343.0	343.7	341.7	343.7	340.9
65°	305.1	305.1	305.8	304.4	303.8
67.5°	268.7	268.7	267.3	267.3	270.0
70°	230.8	231.5	229.4	232.2	229.4
72.5°	193.6	194.3	193.6	192.9	194.3
75°	155.7	156.4	156.4	155.0	156.4
77.5°	121.4	122.1	121.4	120.6	121.4
80°	88.4	89.1	88.4	87.6	89.1
82.5°	58.9	59.6	58.9	58.9	59.6
85°	33.6	34.3	33.6	33.6	34.3
87.5°	13.4	14.1	14.1	14.1	14.1
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)