

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: P735652

Luminaire Tested: **22APR-22-B2750-W2D-CP125-5000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735652
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-CP125-5000K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 5000K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

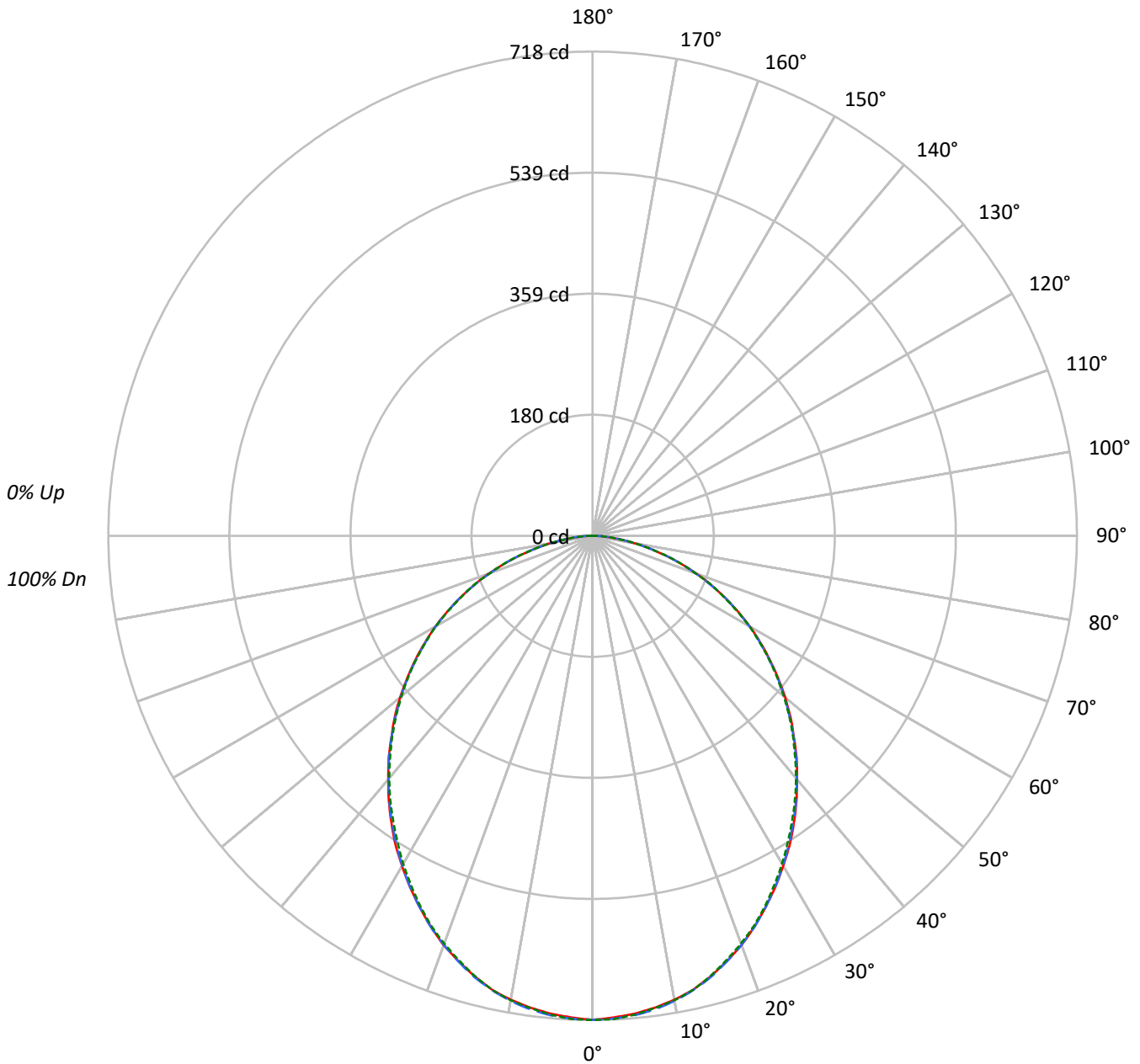
Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	1932	1932	1932
5°	1922	1928	1926
10°	1909	1914	1911
15°	1884	1888	1882
20°	1850	1849	1843
25°	1803	1803	1797
30°	1756	1755	1745
35°	1709	1704	1694
40°	1656	1655	1648
45°	1606	1604	1598
50°	1559	1552	1549
55°	1505	1498	1498
60°	1449	1443	1446
65°	1373	1377	1367
70°	1283	1275	1275
75°	1145	1150	1150
80°	967	967	976
85°	735	735	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	3.7
10°-20°	190.7	10.4
20°-30°	279.7	15.2
30°-40°	324.5	17.7
40°-50°	325.3	17.7
50°-60°	286.1	15.6
60°-70°	213.5	11.6
70°-80°	117.5	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°	538.1	29.3
0°-40°	862.6	47.0
0°-60°	1474.0	80.4
0°-90°	1834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	711	714	714	714	713	68
15°	676	679	678	677	676	191
25°	607	610	607	607	605	280
35°	520	521	519	517	516	325
45°	422	423	421	421	420	326
55°	321	321	319	320	319	287
65°	216	216	216	215	215	214
75°	110	111	111	110	111	117
85°	24	24	24	24	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	717.9	717.9	717.9	717.9	717.9
2.5°	714.9	717.3	716.8	718.4	717.3
5°	711.4	713.9	713.9	713.9	712.9
7.5°	705.9	708.4	708.4	708.4	706.5
10°	698.6	701.1	700.5	700.5	699.5
12.5°	689.6	691.1	690.1	690.1	689.6
15°	676.3	679.2	677.7	676.7	675.7
17.5°	661.3	664.3	661.9	661.3	659.9
20°	646.0	648.0	645.5	645.5	643.5
22.5°	627.1	629.1	627.6	626.7	625.7
25°	607.3	609.8	607.3	606.8	605.3
27.5°	587.0	588.9	586.5	584.5	583.5
30°	565.2	566.6	564.7	563.2	561.7
32.5°	543.8	543.8	541.9	540.4	538.4
35°	520.1	520.6	518.6	517.1	515.6
37.5°	496.3	497.2	495.3	493.8	492.8
40°	471.5	472.5	471.0	469.5	469.0
42.5°	447.7	447.7	446.7	445.2	444.2
45°	421.9	423.4	421.4	420.9	419.9
47.5°	398.1	398.1	396.1	395.1	395.1
50°	372.4	373.3	370.8	370.3	369.9
52.5°	346.5	346.0	345.5	345.1	344.6
55°	320.7	321.2	319.3	319.8	319.3
57.5°	295.0	294.5	294.0	293.5	293.0
60°	269.2	268.7	268.2	267.7	268.7
62.5°	242.4	242.9	241.5	242.9	240.9
65°	215.6	215.6	216.2	215.1	214.7
67.5°	189.9	189.9	188.9	188.9	190.9
70°	163.1	163.6	162.1	164.1	162.1
72.5°	136.8	137.3	136.8	136.3	137.3
75°	110.1	110.6	110.6	109.5	110.6
77.5°	85.8	86.3	85.8	85.3	85.8
80°	62.4	63.0	62.4	61.9	63.0
82.5°	41.6	42.1	41.6	41.6	42.1
85°	23.8	24.3	23.8	23.8	24.3
87.5°	9.4	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)