

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: P733967

Luminaire Tested: **24FCZ2-30-RDP-B2750-W2D-CA125-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P733967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 24FCZ2-30-RDP-B2750-W2D-CA125-3000K
Description: 2X4 3000 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND RDP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

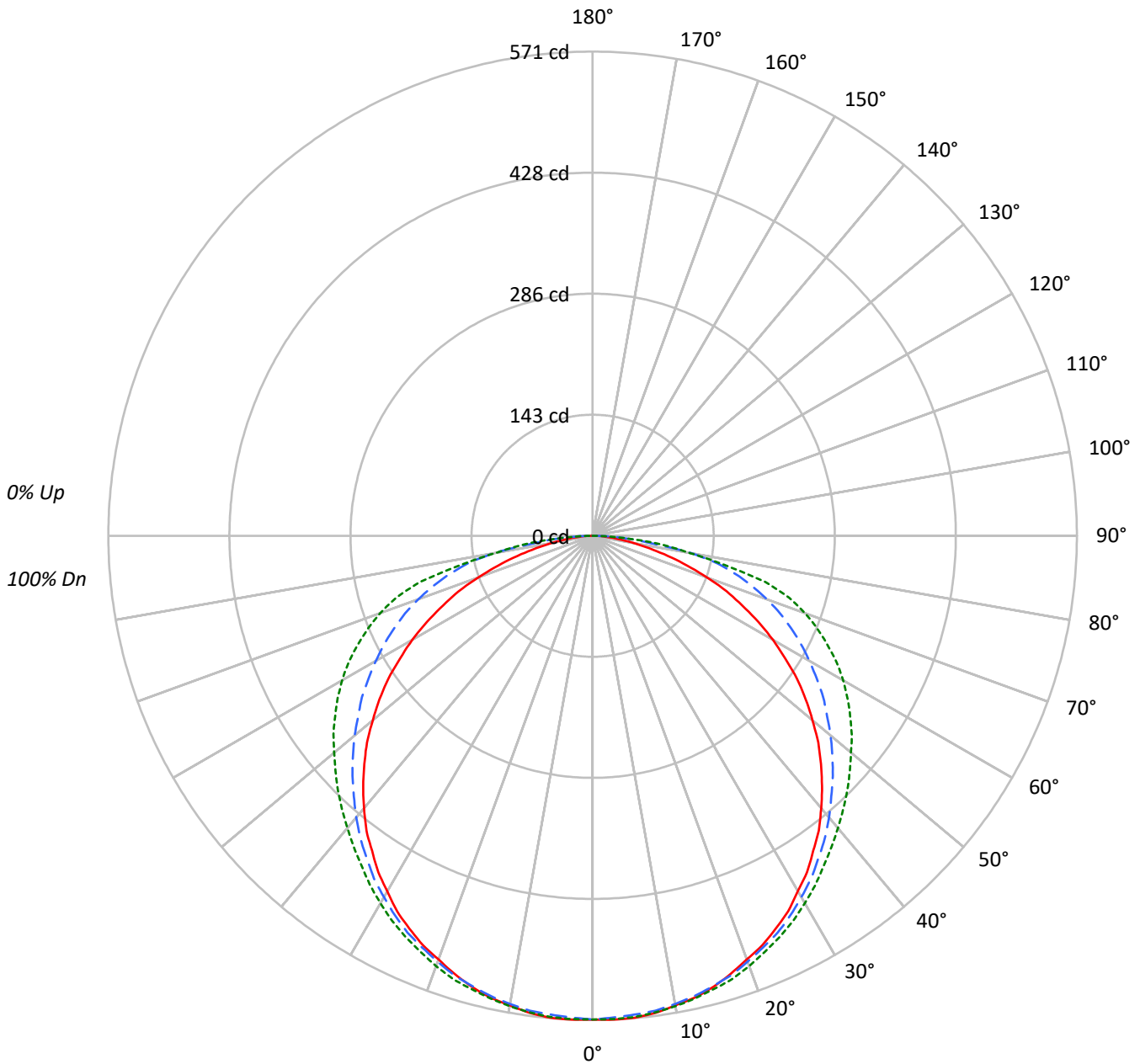
Lumens per Lamp: N/A
Luminaire Lumens: 1814.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82																			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67																			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47																			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35																			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27																			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	805	805	805
5°	808	803	807
10°	806	803	807
15°	805	803	808
20°	799	803	811
25°	796	804	813
30°	789	802	815
35°	781	800	819
40°	773	799	829
45°	760	799	847
50°	743	804	873
55°	724	817	912
60°	693	833	963
65°	649	862	1022
70°	590	902	1099
75°	501	952	1148
80°	395	957	928
85°	291	729	815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	3.0
10°-20°	155.7	8.6
20°-30°	238.2	13.1
30°-40°	291.1	16.0
40°-50°	310.3	17.1
50°-60°	296.7	16.4
60°-70°	251.3	13.9
70°-80°	168.9	9.3
80°-90°	47.6	2.6
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°	448.0	24.7
0°-40°	739.1	40.7
0°-60°	1346.1	74.2
0°-90°	1814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	570	570	570	570	570	
5°	570	570	567	570	570	54
15°	551	551	550	554	553	155
25°	511	513	516	521	522	236
35°	454	457	464	473	475	284
45°	381	387	400	418	425	294
55°	294	305	332	358	371	262
65°	194	214	258	292	306	193
75°	92	125	175	204	211	98
85°	18	37	45	49	50	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	570.5	570.5	570.5	570.5	570.5
2.5°	571.3	571.3	568.6	570.5	570.5
5°	570.5	569.6	566.9	569.6	569.6
7.5°	567.7	566.9	565.0	567.7	566.9
10°	562.3	562.3	560.6	563.3	563.3
12.5°	557.9	557.0	556.0	559.6	558.7
15°	550.7	550.7	549.7	554.3	553.3
17.5°	541.7	542.6	543.4	547.0	548.0
20°	531.7	533.6	534.4	539.9	539.9
22.5°	522.7	523.7	525.4	530.9	530.9
25°	511.1	512.8	516.4	521.0	521.9
27.5°	499.4	500.3	504.8	511.1	512.0
30°	484.1	486.8	492.1	499.4	500.3
32.5°	470.5	473.2	479.5	486.8	488.5
35°	453.5	457.1	464.2	473.2	475.1
37.5°	438.2	440.9	449.9	459.8	462.5
40°	419.3	424.6	433.6	445.4	449.9
42.5°	400.4	405.8	416.6	431.9	437.3
45°	380.6	386.9	400.4	417.5	424.6
47.5°	360.8	368.0	383.3	403.1	411.2
50°	338.3	347.3	366.2	388.7	397.7
52.5°	316.7	327.5	348.3	373.4	385.2
55°	294.2	305.0	332.0	358.1	370.7
57.5°	269.1	283.4	313.1	342.8	356.3
60°	245.6	259.1	295.1	327.5	341.0
62.5°	220.5	238.5	277.1	311.3	324.8
65°	194.3	214.2	258.2	292.4	306.0
67.5°	171.0	192.6	239.3	273.5	287.1
70°	143.1	170.0	218.6	252.8	266.4
72.5°	117.0	146.7	197.0	230.3	242.9
75°	91.8	125.1	174.6	204.3	210.6
77.5°	68.4	103.5	151.1	163.7	159.3
80°	48.6	82.8	117.8	111.5	114.2
82.5°	31.5	63.0	72.9	82.8	85.5
85°	18.0	36.9	45.0	48.6	50.3
87.5°	8.1	13.5	18.0	18.0	17.1
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)