

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: P732593

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CA125-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 14FCZ2-25-RDP-B2750-W2D-CA125-3500K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT
AND RDP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

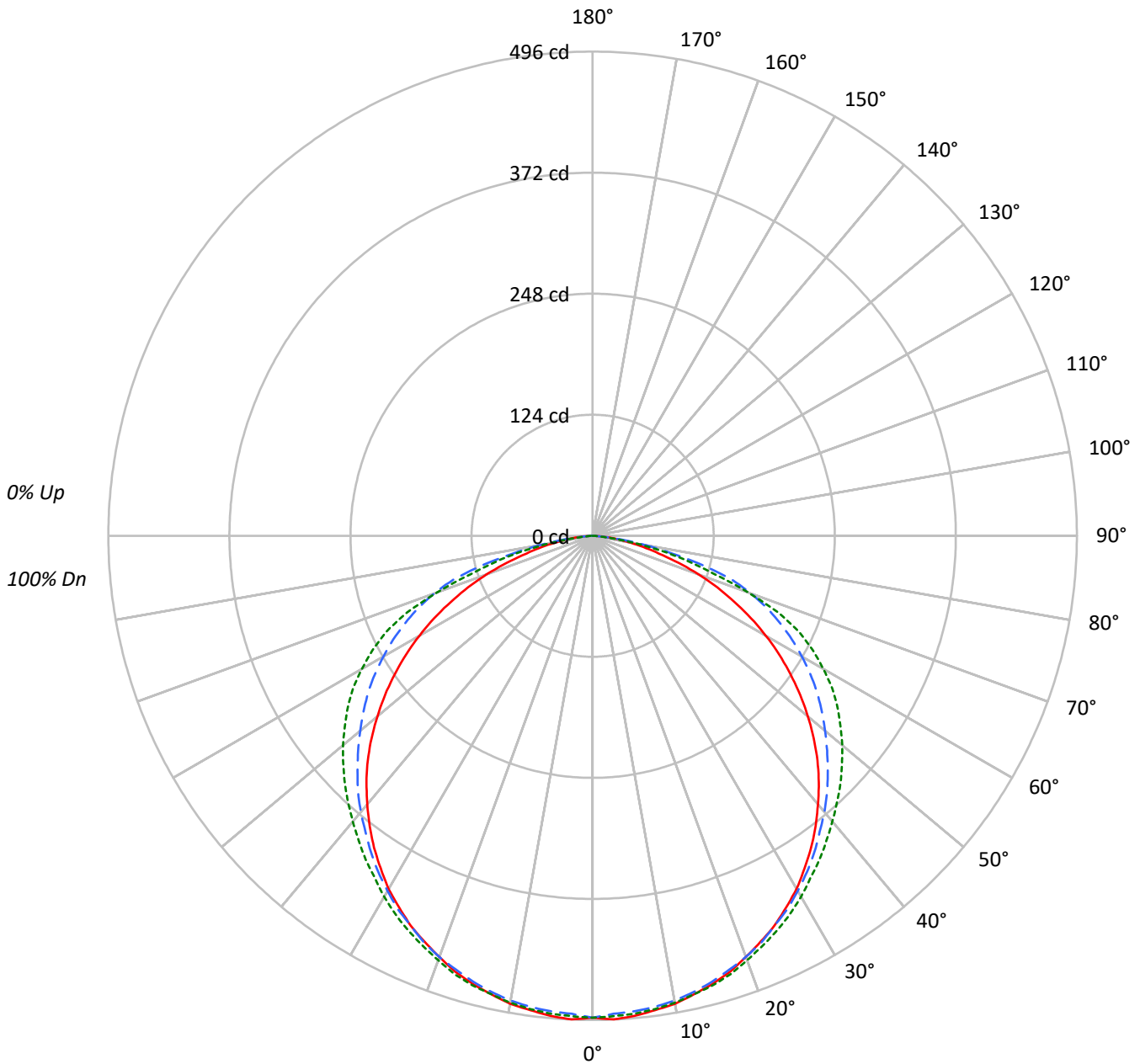
Lumens per Lamp: N/A
Luminaire Lumens: 1474.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
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	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1394	1394	1394
5°	1399	1386	1392
10°	1395	1386	1392
15°	1389	1382	1392
20°	1379	1379	1390
25°	1373	1373	1390
30°	1362	1369	1392
35°	1345	1364	1396
40°	1323	1361	1408
45°	1300	1360	1433
50°	1263	1364	1465
55°	1218	1382	1506
60°	1156	1397	1540
65°	1069	1414	1560
70°	950	1424	1396
75°	766	1280	1117
80°	598	899	730
85°	411	259	188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	3.2
10°-20°	134.1	9.1
20°-30°	204.1	13.8
30°-40°	248.6	16.9
40°-50°	263.8	17.9
50°-60°	248.9	16.9
60°-70°	201.0	13.6
70°-80°	109.0	7.4
80°-90°	17.6	1.2
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°	384.9	26.1
0°-40°	633.6	43.0
0°-60°	1146.3	77.8
0°-90°	1474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	494	493	489	493	491	47
15°	475	474	473	476	476	134
25°	441	440	441	445	446	203
35°	390	392	396	404	405	244
45°	326	330	341	353	359	251
55°	247	258	281	299	306	221
65°	160	180	212	229	234	158
75°	70	102	117	106	102	77
85°	13	14	8	7	6	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	493.7	493.7	493.7	493.7	493.7
2.5°	495.9	493.7	490.2	493.7	492.6
5°	493.7	492.6	489.0	492.6	491.4
7.5°	490.2	490.2	486.8	489.0	489.0
10°	486.8	485.6	483.4	486.8	485.6
12.5°	481.0	479.9	478.7	482.1	481.0
15°	475.2	474.1	472.9	476.5	476.5
17.5°	468.3	467.2	466.0	470.7	470.7
20°	459.1	459.1	459.1	463.8	462.7
22.5°	450.0	450.0	451.1	455.7	454.6
25°	440.8	439.7	440.8	445.3	446.4
27.5°	429.2	430.4	431.5	436.1	437.3
30°	417.8	418.9	420.1	425.8	427.0
32.5°	404.0	406.2	408.5	415.4	415.4
35°	390.2	392.4	395.9	404.0	405.1
37.5°	375.2	377.5	382.1	391.3	393.5
40°	359.0	362.5	369.4	378.6	382.1
42.5°	342.9	347.6	355.6	365.9	370.5
45°	325.7	330.2	340.6	353.3	359.0
47.5°	307.2	313.0	325.7	341.8	346.4
50°	287.7	295.8	310.7	327.9	333.7
52.5°	268.1	277.3	295.8	314.1	319.9
55°	247.4	257.7	280.8	299.2	306.1
57.5°	226.7	238.2	264.6	284.2	291.1
60°	204.8	218.6	247.4	267.0	272.8
62.5°	182.9	199.0	230.2	249.7	254.3
65°	160.0	179.6	211.7	229.1	233.6
67.5°	138.1	161.1	193.4	205.9	205.9
70°	115.1	140.3	172.6	176.0	169.1
72.5°	92.1	120.9	149.7	137.0	131.2
75°	70.2	102.4	117.4	105.9	102.4
77.5°	52.9	82.8	82.8	75.9	73.6
80°	36.8	63.3	55.3	48.4	44.9
82.5°	24.1	35.7	28.8	23.0	19.6
85°	12.7	13.8	8.0	6.9	5.8
87.5°	4.7	2.3	1.1	2.3	1.1
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)