

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: P732591

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CA125-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732591
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-CA125-2700K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT
AND RDP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

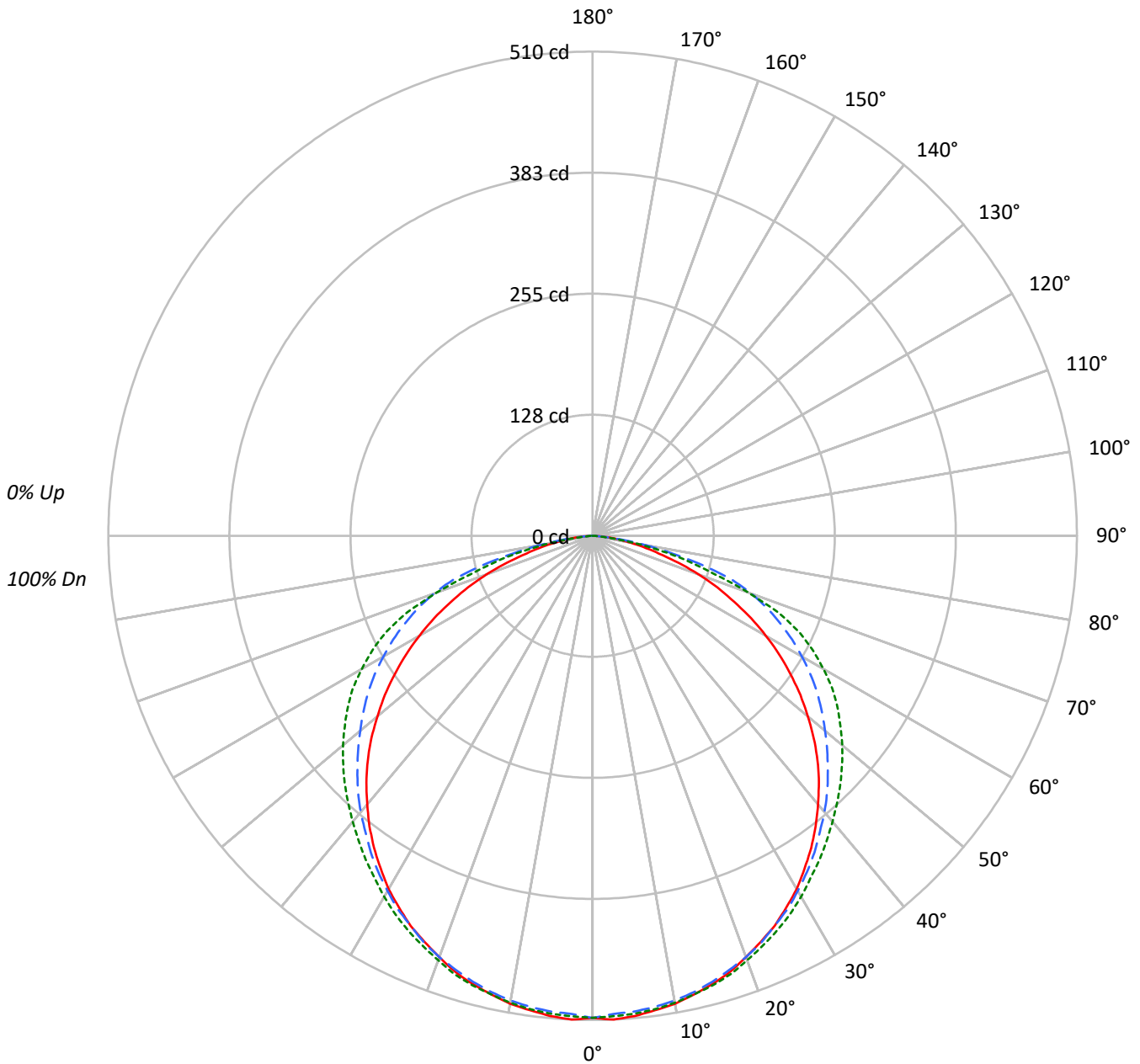
Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P732591

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732591

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-2700K

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°	1433	1433	1433
5°	1439	1425	1432
10°	1435	1425	1432
15°	1428	1421	1432
20°	1418	1418	1429
25°	1412	1412	1430
30°	1401	1408	1431
35°	1383	1403	1436
40°	1360	1400	1448
45°	1337	1398	1474
50°	1299	1403	1507
55°	1252	1421	1549
60°	1189	1437	1584
65°	1099	1455	1604
70°	977	1466	1435
75°	787	1316	1148
80°	616	925	749
85°	424	269	191



TEST NUMBER: P732591

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	3.2
10°-20°	137.9	9.1
20°-30°	210.0	13.8
30°-40°	255.7	16.9
40°-50°	271.3	17.9
50°-60°	256.0	16.9
60°-70°	206.7	13.6
70°-80°	112.1	7.4
80°-90°	18.1	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°	395.9	26.1
0°-40°	651.6	43.0
0°-60°	1179.0	77.8
0°-90°	1516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	508	508	508	508	508	
5°	508	507	503	507	505	48
15°	489	488	486	490	490	138
25°	453	452	453	458	459	209
35°	401	404	407	416	417	251
45°	335	340	350	363	369	258
55°	254	265	289	308	315	227
65°	164	185	218	236	240	163
75°	72	105	121	109	105	79
85°	13	14	8	7	6	17
90°	0	0	0	0	0	



TEST NUMBER: P732591

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	507.8	507.8	507.8	507.8	507.8
2.5°	510.1	507.8	504.1	507.8	506.6
5°	507.8	506.6	503.0	506.6	505.4
7.5°	504.1	504.1	500.6	503.0	503.0
10°	500.6	499.5	497.2	500.6	499.5
12.5°	494.7	493.5	492.4	495.9	494.7
15°	488.7	487.6	486.4	490.1	490.1
17.5°	481.6	480.5	479.3	484.1	484.1
20°	472.2	472.2	472.2	477.0	475.8
22.5°	462.8	462.8	463.9	468.7	467.6
25°	453.3	452.2	453.3	458.0	459.2
27.5°	441.5	442.6	443.8	448.6	449.7
30°	429.7	430.9	432.0	438.0	439.1
32.5°	415.5	417.8	420.1	427.2	427.2
35°	401.3	403.6	407.2	415.5	416.6
37.5°	385.9	388.2	393.0	402.4	404.8
40°	369.2	372.8	379.9	389.4	393.0
42.5°	352.7	357.5	365.7	376.3	381.1
45°	335.0	339.6	350.3	363.4	369.2
47.5°	316.0	321.9	335.0	351.5	356.3
50°	295.9	304.2	319.6	337.3	343.2
52.5°	275.8	285.2	304.2	323.1	329.0
55°	254.5	265.0	288.8	307.7	314.8
57.5°	233.1	245.0	272.2	292.3	299.4
60°	210.6	224.9	254.5	274.6	280.6
62.5°	188.2	204.7	236.8	256.8	261.6
65°	164.5	184.7	217.8	235.6	240.2
67.5°	142.0	165.7	198.9	211.8	211.8
70°	118.4	144.3	177.6	181.0	173.9
72.5°	94.7	124.3	153.9	140.9	134.9
75°	72.2	105.3	120.7	108.9	105.3
77.5°	54.4	85.2	85.2	78.0	75.7
80°	37.9	65.1	56.9	49.8	46.1
82.5°	24.8	36.7	29.6	23.6	20.2
85°	13.1	14.2	8.3	7.1	5.9
87.5°	4.8	2.3	1.2	2.3	1.2
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)