

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: P732592

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CA125-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732592
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-CA125-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND RDP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

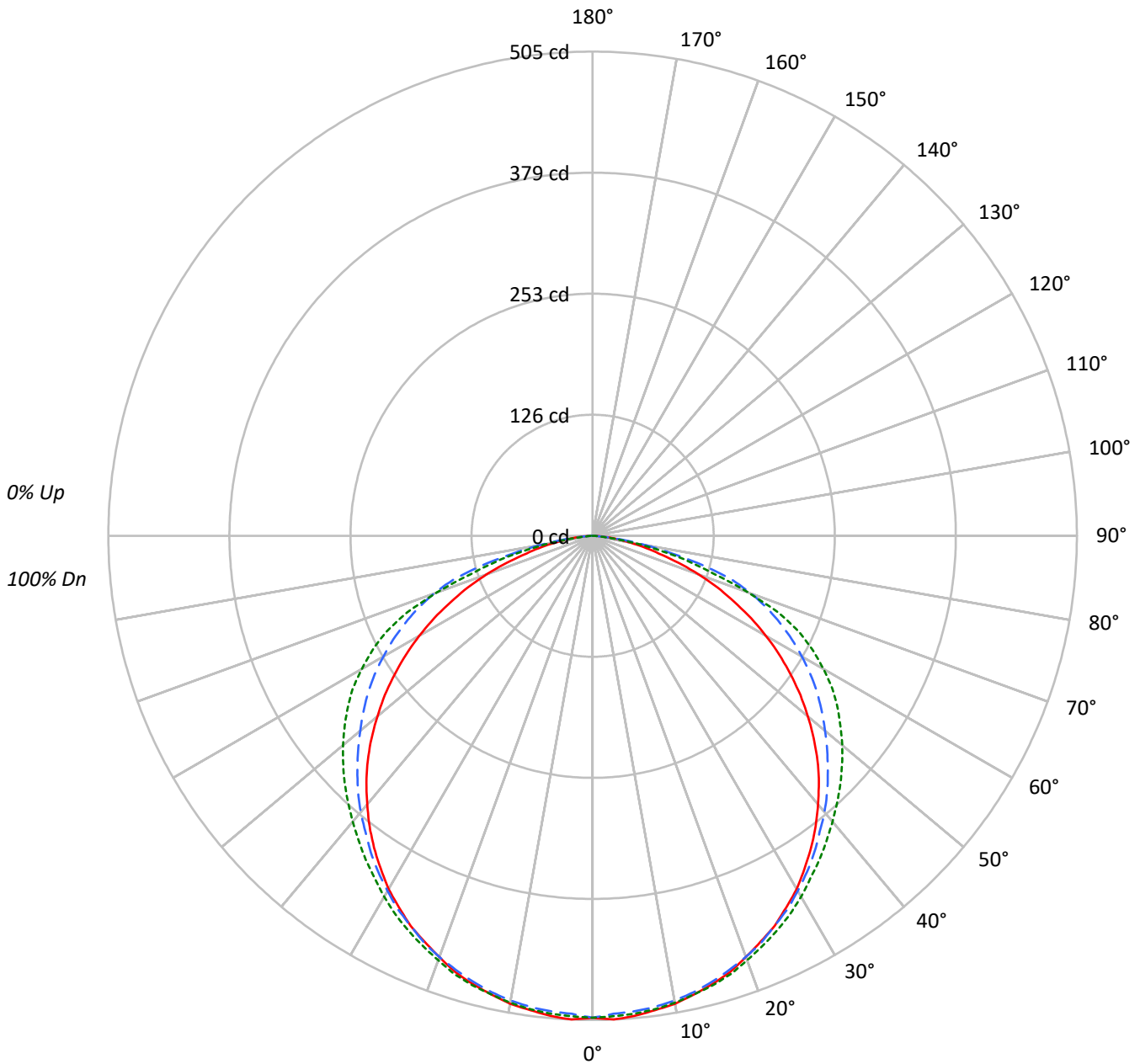
Lumens per Lamp: N/A
Luminaire Lumens: 1501.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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°	1419	1419	1419
5°	1424	1411	1418
10°	1421	1411	1417
15°	1414	1407	1418
20°	1404	1404	1415
25°	1398	1398	1416
30°	1387	1394	1417
35°	1369	1389	1421
40°	1347	1386	1434
45°	1324	1385	1459
50°	1287	1389	1492
55°	1240	1407	1534
60°	1178	1422	1568
65°	1088	1440	1589
70°	967	1451	1421
75°	780	1303	1137
80°	610	915	743
85°	418	266	191



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	3.2
10°-20°	136.5	9.1
20°-30°	207.9	13.8
30°-40°	253.2	16.9
40°-50°	268.6	17.9
50°-60°	253.5	16.9
60°-70°	204.7	13.6
70°-80°	111.0	7.4
80°-90°	18.0	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°	392.0	26.1
0°-40°	645.2	43.0
0°-60°	1167.3	77.8
0°-90°	1501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	503	503	503	503	503	
5°	503	502	498	502	500	48
15°	484	483	482	485	485	137
25°	449	448	449	454	455	207
35°	397	400	403	411	412	248
45°	332	336	347	360	366	255
55°	252	262	286	305	312	225
65°	163	183	216	233	238	161
75°	72	104	120	108	104	78
85°	13	14	8	7	6	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	502.7	502.7	502.7	502.7	502.7
2.5°	505.0	502.7	499.1	502.7	501.6
5°	502.7	501.6	498.0	501.6	500.4
7.5°	499.1	499.1	495.7	498.0	498.0
10°	495.7	494.5	492.2	495.7	494.5
12.5°	489.8	488.7	487.5	490.9	489.8
15°	483.9	482.8	481.6	485.2	485.2
17.5°	476.9	475.7	474.6	479.3	479.3
20°	467.5	467.5	467.5	472.3	471.1
22.5°	458.2	458.2	459.3	464.1	462.9
25°	448.9	447.7	448.9	453.5	454.6
27.5°	437.1	438.2	439.4	444.1	445.3
30°	425.5	426.6	427.7	433.6	434.8
32.5°	411.4	413.7	416.0	423.0	423.0
35°	397.3	399.6	403.2	411.4	412.5
37.5°	382.1	384.4	389.1	398.4	400.7
40°	365.6	369.1	376.2	385.5	389.1
42.5°	349.2	353.9	362.1	372.6	377.3
45°	331.7	336.3	346.9	359.8	365.6
47.5°	312.8	318.7	331.7	348.0	352.8
50°	293.0	301.2	316.4	334.0	339.8
52.5°	273.1	282.4	301.2	319.9	325.8
55°	251.9	262.4	286.0	304.7	311.7
57.5°	230.8	242.6	269.5	289.4	296.5
60°	208.6	222.6	251.9	271.9	277.8
62.5°	186.3	202.7	234.4	254.2	259.0
65°	162.9	182.8	215.6	233.3	237.9
67.5°	140.6	164.0	196.9	209.7	209.7
70°	117.2	142.9	175.8	179.3	172.2
72.5°	93.8	123.1	152.4	139.5	133.6
75°	71.5	104.3	119.5	107.9	104.3
77.5°	53.9	84.3	84.3	77.3	75.0
80°	37.5	64.5	56.3	49.3	45.7
82.5°	24.6	36.3	29.3	23.4	20.0
85°	12.9	14.1	8.2	7.0	5.9
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)