

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: P732603

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CP250-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732603
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-CP250-3500K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT
AND RDP LENS, WITH, CP250 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

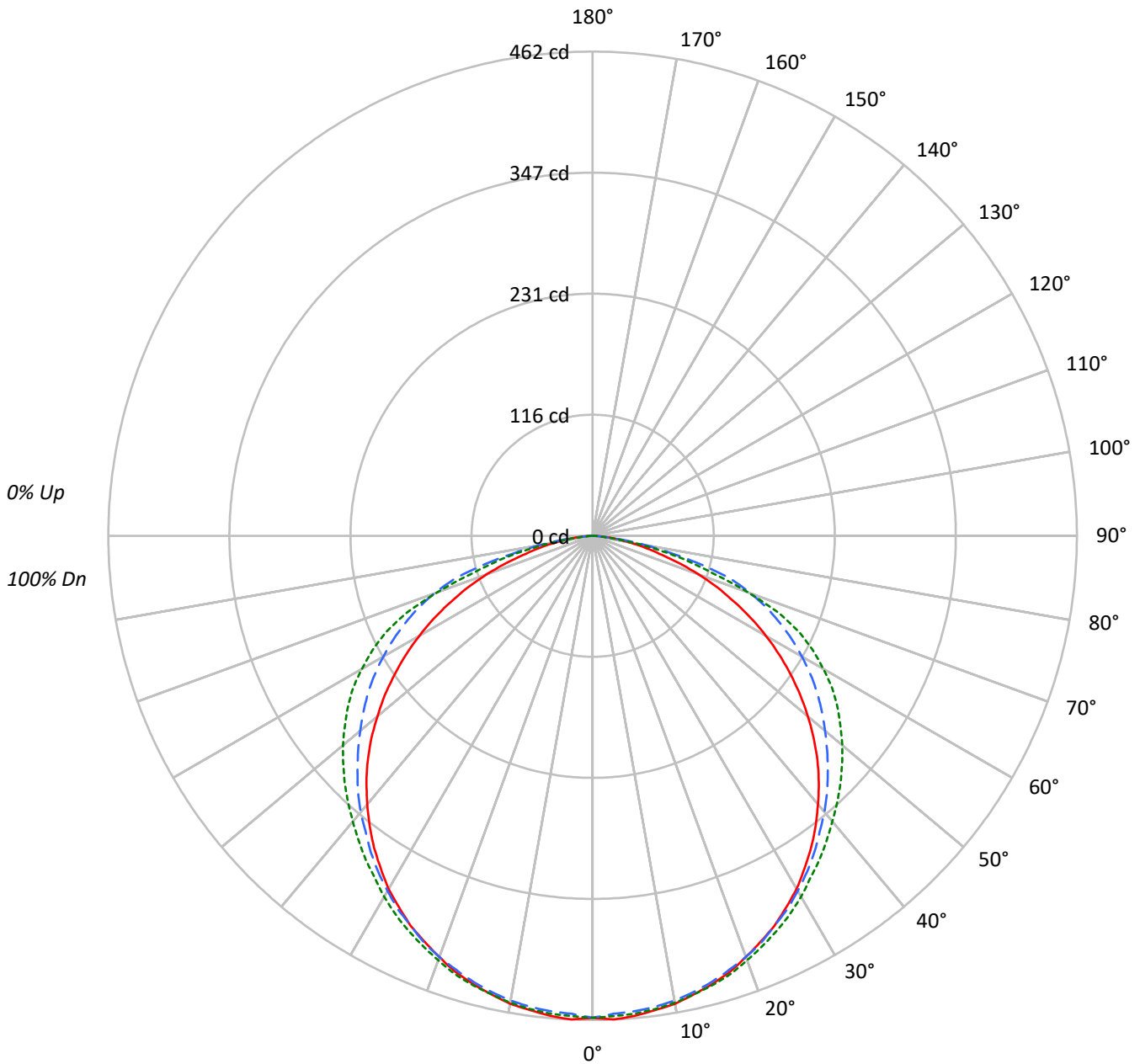
Lumens per Lamp: N/A
Luminaire Lumens: 1373.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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°	1298	1298	1298
5°	1303	1291	1297
10°	1300	1291	1297
15°	1293	1287	1297
20°	1285	1285	1295
25°	1279	1279	1295
30°	1269	1275	1296
35°	1252	1271	1300
40°	1232	1268	1311
45°	1211	1267	1335
50°	1177	1271	1365
55°	1134	1287	1403
60°	1077	1301	1434
65°	995	1317	1453
70°	885	1327	1300
75°	713	1192	1040
80°	558	837	679
85°	382	243	175



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	3.2
10°-20°	124.9	9.1
20°-30°	190.2	13.8
30°-40°	231.6	16.9
40°-50°	245.7	17.9
50°-60°	231.9	16.9
60°-70°	187.2	13.6
70°-80°	101.6	7.4
80°-90°	16.4	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°	358.6	26.1
0°-40°	590.2	43.0
0°-60°	1067.8	77.8
0°-90°	1373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	460	459	456	459	458	44
15°	443	442	440	444	444	125
25°	411	410	411	415	416	189
35°	363	366	369	376	377	227
45°	303	308	317	329	334	234
55°	230	240	262	279	285	206
65°	149	167	197	213	218	148
75°	65	95	109	99	95	71
85°	12	13	8	6	5	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.9	459.9	459.9	459.9	459.9
2.5°	462.0	459.9	456.6	459.9	458.8
5°	459.9	458.8	455.5	458.8	457.8
7.5°	456.6	456.6	453.4	455.5	455.5
10°	453.4	452.4	450.3	453.4	452.4
12.5°	448.0	447.0	445.9	449.1	448.0
15°	442.6	441.6	440.5	443.8	443.8
17.5°	436.2	435.2	434.1	438.4	438.4
20°	427.7	427.7	427.7	432.0	431.0
22.5°	419.1	419.1	420.2	424.5	423.5
25°	410.6	409.5	410.6	414.8	415.8
27.5°	399.8	400.9	401.9	406.3	407.3
30°	389.2	390.2	391.3	396.7	397.7
32.5°	376.3	378.4	380.5	386.9	386.9
35°	363.4	365.5	368.8	376.3	377.3
37.5°	349.5	351.6	355.9	364.5	366.6
40°	334.4	337.7	344.1	352.6	355.9
42.5°	319.4	323.7	331.2	340.8	345.2
45°	303.4	307.6	317.3	329.1	334.4
47.5°	286.2	291.5	303.4	318.4	322.7
50°	268.0	275.5	289.4	305.5	310.9
52.5°	249.8	258.3	275.5	292.6	298.0
55°	230.5	240.0	261.6	278.7	285.1
57.5°	211.1	221.9	246.5	264.7	271.2
60°	190.8	203.7	230.5	248.7	254.1
62.5°	170.4	185.4	214.4	232.6	236.9
65°	149.0	167.3	197.2	213.4	217.6
67.5°	128.6	150.0	180.1	191.8	191.8
70°	107.2	130.7	160.8	164.0	157.5
72.5°	85.8	112.6	139.4	127.6	122.2
75°	65.4	95.4	109.3	98.7	95.4
77.5°	49.3	77.1	77.1	70.7	68.6
80°	34.3	59.0	51.5	45.1	41.8
82.5°	22.5	33.2	26.8	21.4	18.3
85°	11.8	12.9	7.5	6.4	5.4
87.5°	4.3	2.1	1.1	2.1	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)