

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: P732595

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CA125-5000K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732595
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-CA125-5000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT
AND RDP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

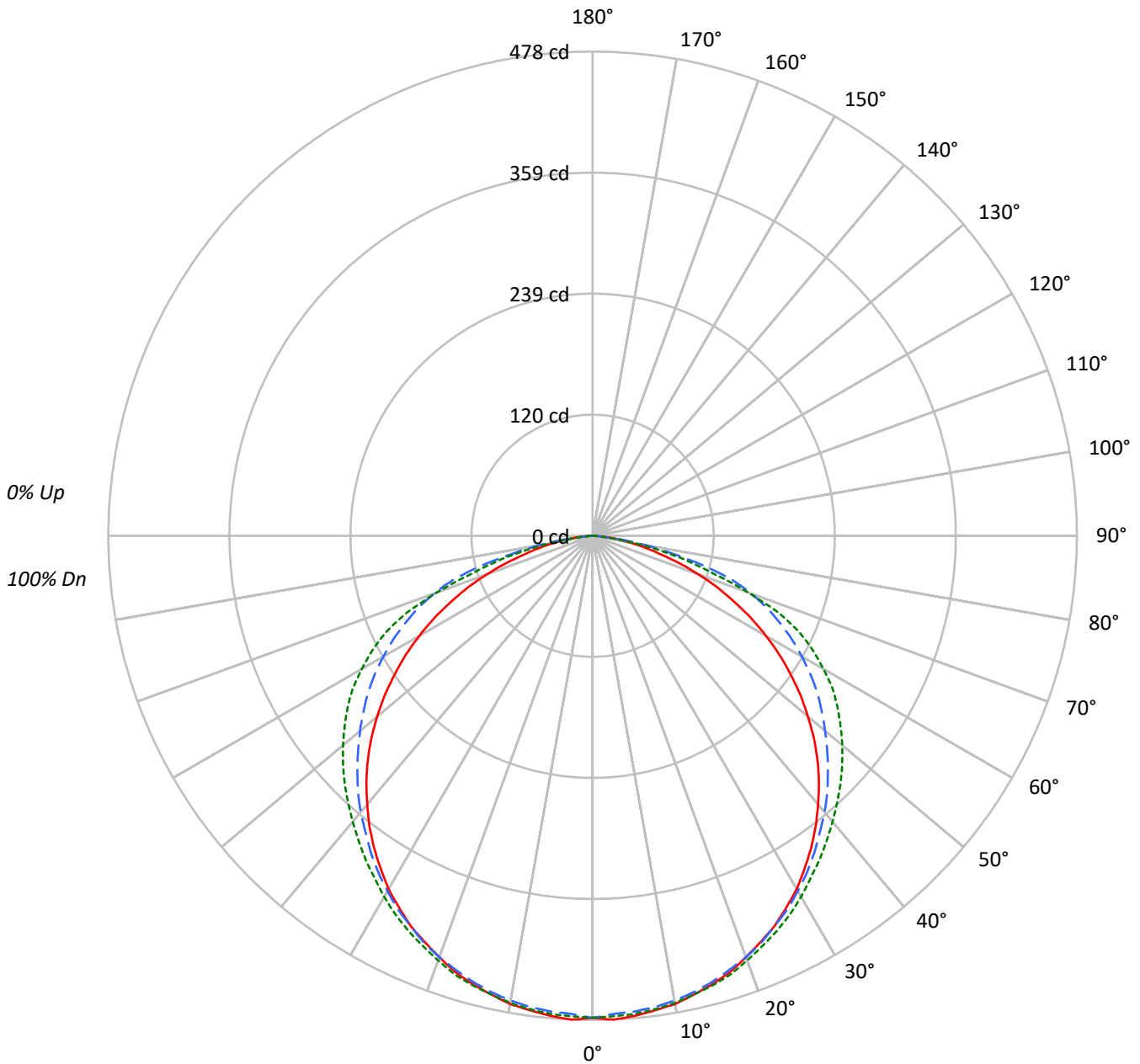
Lumens per Lamp: N/A
Luminaire Lumens: 1421.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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: P732595

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P732595

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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°	1343	1343	1343
5°	1348	1336	1342
10°	1345	1336	1342
15°	1339	1332	1342
20°	1329	1329	1340
25°	1323	1323	1340
30°	1313	1320	1342
35°	1296	1315	1346
40°	1275	1312	1357
45°	1253	1311	1382
50°	1218	1316	1413
55°	1174	1332	1452
60°	1114	1346	1485
65°	1030	1363	1504
70°	916	1373	1345
75°	738	1233	1076
80°	577	866	702
85°	395	253	181



TEST NUMBER: P732595

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	3.2
10°-20°	129.2	9.1
20°-30°	196.8	13.8
30°-40°	239.7	16.9
40°-50°	254.3	17.9
50°-60°	240.0	16.9
60°-70°	193.8	13.6
70°-80°	105.1	7.4
80°-90°	17.0	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°	371.1	26.1
0°-40°	610.8	43.0
0°-60°	1105.1	77.8
0°-90°	1421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	476	476	476	476	476	
5°	476	475	471	475	474	45
15°	458	457	456	459	459	129
25°	425	424	425	429	430	196
35°	376	378	382	389	390	235
45°	314	318	328	341	346	242
55°	238	248	271	288	295	213
65°	154	173	204	221	225	153
75°	68	99	113	102	99	74
85°	12	13	8	7	6	16
90°	0	0	0	0	0	



TEST NUMBER: P732595

CATALOG NUMBER: 14FCZ2-25-RDP-B2750-W2D-CA125-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	475.9	475.9	475.9	475.9	475.9
2.5°	478.1	475.9	472.5	475.9	474.8
5°	475.9	474.8	471.4	474.8	473.8
7.5°	472.5	472.5	469.3	471.4	471.4
10°	469.3	468.2	466.0	469.3	468.2
12.5°	463.7	462.6	461.5	464.8	463.7
15°	458.1	457.0	455.9	459.3	459.3
17.5°	451.5	450.4	449.3	453.8	453.8
20°	442.6	442.6	442.6	447.1	446.0
22.5°	433.8	433.8	434.9	439.4	438.3
25°	424.9	423.9	424.9	429.3	430.4
27.5°	413.8	414.9	416.0	420.5	421.5
30°	402.8	403.9	405.0	410.5	411.6
32.5°	389.4	391.6	393.8	400.5	400.5
35°	376.1	378.3	381.7	389.4	390.5
37.5°	361.7	363.9	368.4	377.2	379.4
40°	346.1	349.5	356.1	365.0	368.4
42.5°	330.6	335.1	342.8	352.7	357.2
45°	314.0	318.3	328.4	340.6	346.1
47.5°	296.2	301.7	314.0	329.5	334.0
50°	277.4	285.2	299.6	316.2	321.7
52.5°	258.5	267.3	285.2	302.8	308.4
55°	238.5	248.4	270.7	288.4	295.1
57.5°	218.5	229.7	255.1	274.0	280.7
60°	197.4	210.8	238.5	257.4	263.0
62.5°	176.4	191.9	221.9	240.7	245.2
65°	154.2	173.1	204.1	220.8	225.2
67.5°	133.1	155.3	186.4	198.5	198.5
70°	111.0	135.3	166.4	169.7	163.0
72.5°	88.8	116.5	144.3	132.0	126.5
75°	67.7	98.7	113.1	102.1	98.7
77.5°	51.0	79.8	79.8	73.2	71.0
80°	35.5	61.1	53.3	46.6	43.2
82.5°	23.3	34.4	27.7	22.2	18.9
85°	12.2	13.3	7.8	6.7	5.6
87.5°	4.5	2.2	1.1	2.2	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)