

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: P732610

Luminaire Tested: **14FCZ2-25-RDP-B2750-W2D-CP375-5000K**

Issue Date: 1/5/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P732610  
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-CP375-5000K  
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT  
AND RDP LENS, WITH, CP375 BOTTOM LENS

Light Source: -  
Ballast/Driver: -

**Summary**

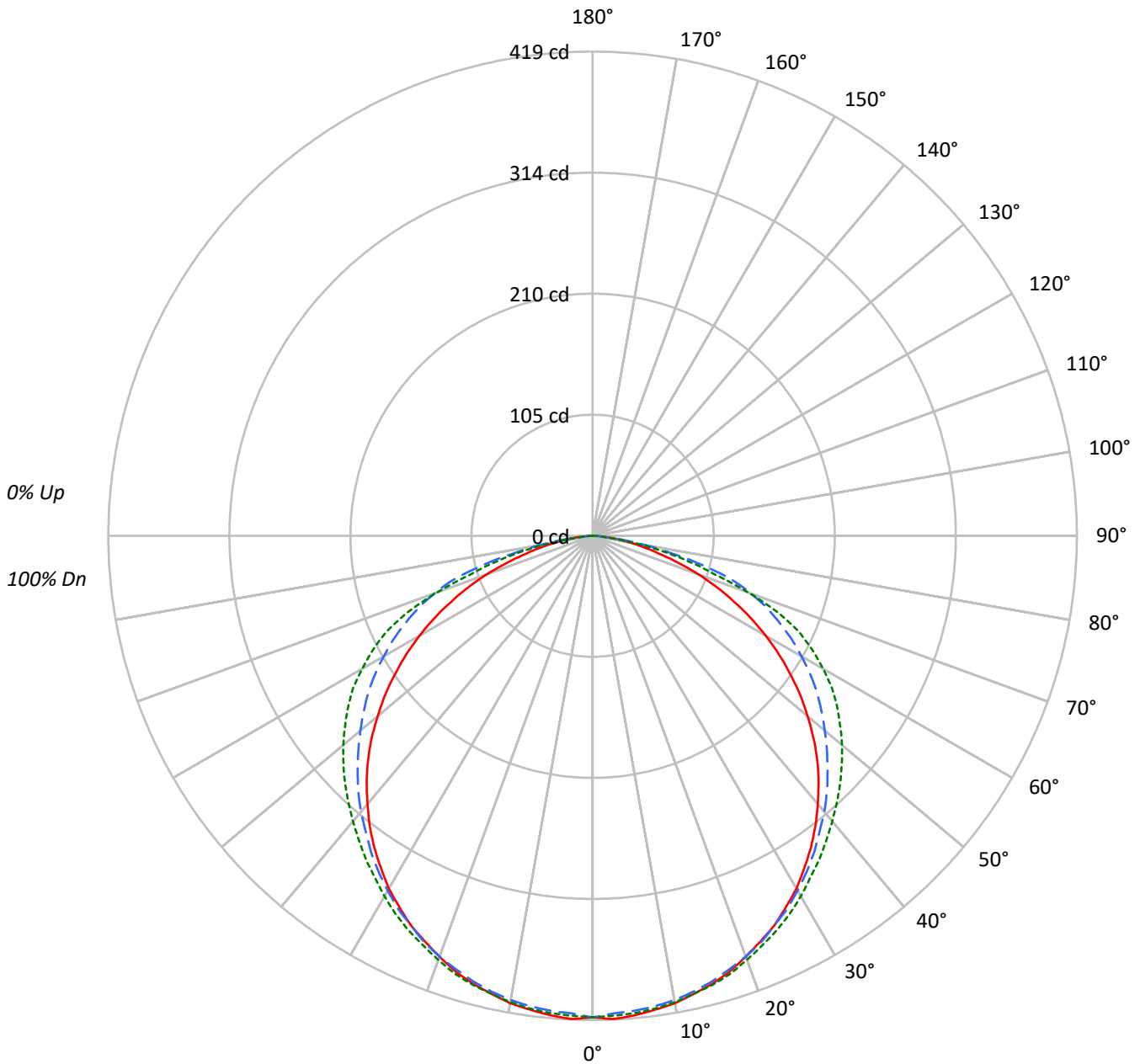
Lumens per Lamp: N/A  
Luminaire Lumens: 1244.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 19  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1176	1176	1176
5°	1181	1169	1175
10°	1177	1169	1175
15°	1172	1167	1175
20°	1164	1164	1173
25°	1159	1159	1174
30°	1149	1155	1174
35°	1135	1152	1178
40°	1116	1149	1188
45°	1097	1148	1210
50°	1066	1152	1237
55°	1028	1166	1271
60°	976	1179	1300
65°	902	1194	1316
70°	801	1202	1178
75°	647	1080	942
80°	506	759	616
85°	347	220	159



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	3.2
10°-20°	113.1	9.1
20°-30°	172.3	13.8
30°-40°	209.8	16.9
40°-50°	222.6	17.9
50°-60°	210.1	16.9
60°-70°	169.6	13.6
70°-80°	92.0	7.4
80°-90°	14.9	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°	324.9	26.1
0°-40°	534.7	43.0
0°-60°	967.4	77.8
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	417	416	413	416	415	40
15°	401	400	399	402	402	113
25°	372	371	372	376	377	171
35°	329	331	334	341	342	206
45°	275	279	288	298	303	212
55°	209	218	237	252	258	187
65°	135	152	179	193	197	134
75°	59	86	99	89	86	65
85°	11	12	7	6	5	14
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	416.7	416.7	416.7	416.7	416.7
2.5°	418.6	416.7	413.7	416.7	415.7
5°	416.7	415.7	412.7	415.7	414.7
7.5°	413.7	413.7	410.8	412.7	412.7
10°	410.8	409.9	408.0	410.8	409.9
12.5°	405.9	405.0	404.0	406.9	405.9
15°	401.1	400.1	399.2	402.1	402.1
17.5°	395.2	394.3	393.3	397.2	397.2
20°	387.5	387.5	387.5	391.4	390.5
22.5°	379.7	379.7	380.7	384.6	383.7
25°	372.0	371.1	372.0	375.8	376.8
27.5°	362.2	363.2	364.2	368.1	369.0
30°	352.6	353.6	354.5	359.4	360.3
32.5°	340.9	342.8	344.7	350.6	350.6
35°	329.3	331.2	334.2	340.9	341.9
37.5°	316.7	318.6	322.5	330.2	332.1
40°	303.0	305.9	311.8	319.5	322.5
42.5°	289.4	293.3	300.1	308.8	312.7
45°	274.9	278.7	287.5	298.2	303.0
47.5°	259.3	264.2	274.9	288.4	292.4
50°	242.8	249.6	262.3	276.8	281.7
52.5°	226.3	234.0	249.6	265.1	270.0
55°	208.8	217.5	237.0	252.5	258.3
57.5°	191.3	201.1	223.3	239.9	245.7
60°	172.9	184.5	208.8	225.3	230.2
62.5°	154.4	168.0	194.3	210.7	214.6
65°	135.0	151.5	178.7	193.3	197.1
67.5°	116.5	135.9	163.2	173.8	173.8
70°	97.1	118.4	145.7	148.6	142.7
72.5°	77.7	102.0	126.3	115.6	110.7
75°	59.3	86.4	99.0	89.4	86.4
77.5°	44.6	69.9	69.9	64.0	62.1
80°	31.1	53.5	46.7	40.8	37.9
82.5°	20.4	30.1	24.3	19.4	16.5
85°	10.7	11.7	6.8	5.8	4.9
87.5°	3.9	1.9	1.0	1.9	1.0
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)