

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: P732585

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

Issue Date: 1/5/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P732585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294787)  
Test Lab: INNOVATIONS CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 14FCZ2-25-HRP-B2750-W2D-CP375-5000K  
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT  
AND HRP LENS, WITH, CP375 BOTTOM LENS

Light Source: -  
Ballast/Driver: -

**Summary**

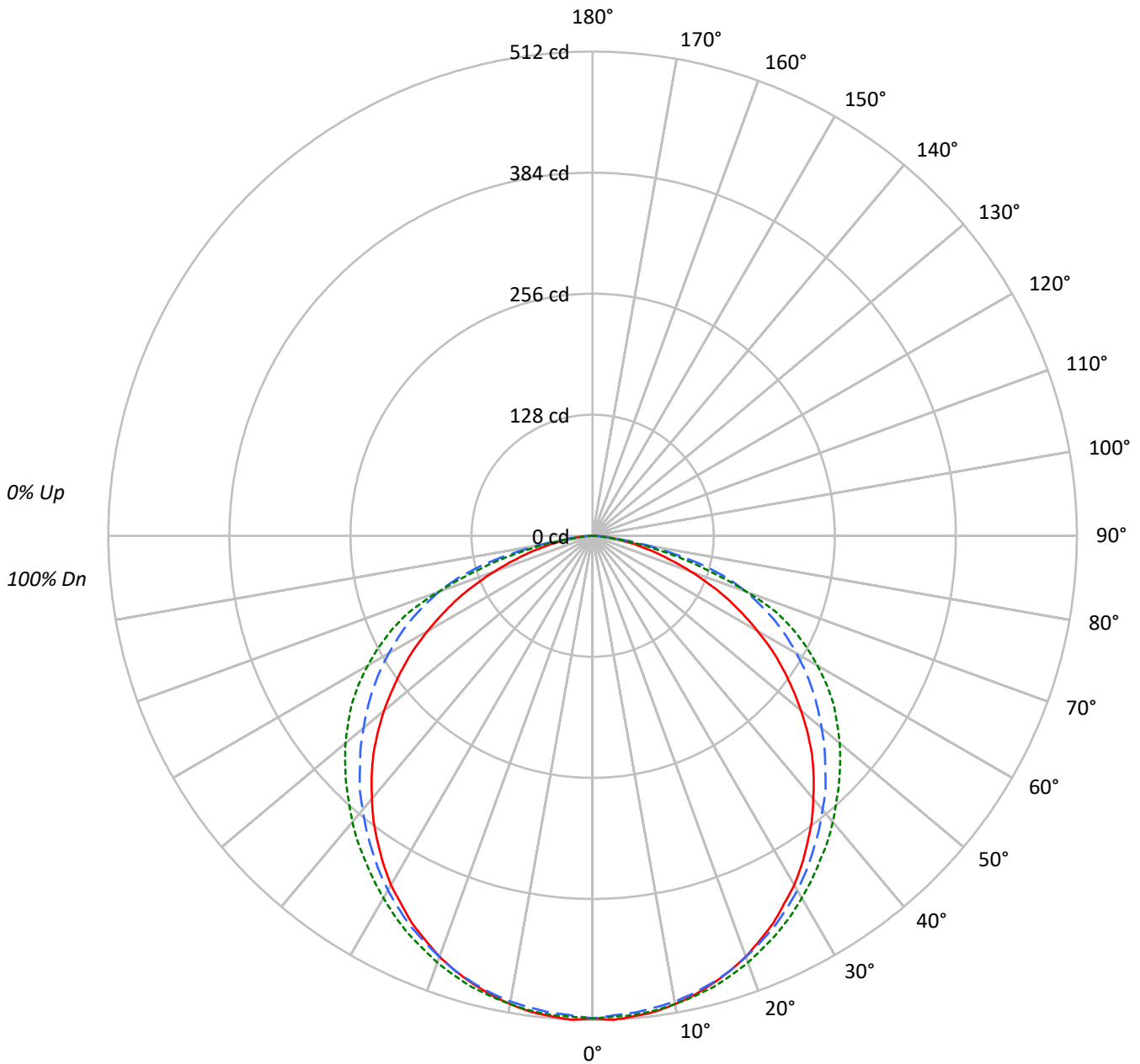
Lumens per Lamp: N/A  
Luminaire Lumens: 1503.0 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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					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	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37								
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1441	1441	1441
5°	1445	1434	1441
10°	1441	1433	1441
15°	1432	1430	1443
20°	1422	1424	1442
25°	1407	1419	1442
30°	1389	1411	1442
35°	1365	1400	1445
40°	1338	1393	1456
45°	1309	1388	1471
50°	1264	1388	1498
55°	1210	1396	1530
60°	1136	1406	1550
65°	1048	1421	1560
70°	913	1424	1435
75°	753	1325	1159
80°	592	953	775
85°	460	369	181



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	3.2
10°-20°	138.7	9.2
20°-30°	210.6	14.0
30°-40°	255.1	17.0
40°-50°	268.9	17.9
50°-60°	251.0	16.7
60°-70°	200.6	13.3
70°-80°	110.4	7.3
80°-90°	19.5	1.3
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°	397.5	26.5
0°-40°	652.7	43.4
0°-60°	1172.5	78.0
0°-90°	1503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1503.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	510	510	510	510	510	
5°	510	509	506	510	509	48
15°	490	490	489	494	494	138
25°	452	453	456	462	463	208
35°	396	400	406	417	419	248
45°	328	334	348	364	369	252
55°	246	258	284	303	311	219
65°	157	177	213	230	234	154
75°	69	99	122	109	106	74
85°	14	18	11	7	6	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	510.4	510.4	510.4	510.4	510.4
2.5°	512.3	510.8	507.6	510.4	509.1
5°	510.0	508.6	506.2	509.5	508.6
7.5°	507.6	505.7	503.3	507.1	506.2
10°	502.8	501.4	500.1	503.3	502.8
12.5°	497.2	496.7	495.3	499.1	498.6
15°	490.2	490.2	489.2	493.9	493.9
17.5°	482.5	482.0	482.5	487.8	487.3
20°	473.5	473.5	474.0	480.2	480.2
22.5°	462.6	463.1	464.6	472.1	471.6
25°	451.9	452.7	455.6	462.2	463.1
27.5°	438.6	441.0	444.2	452.2	453.2
30°	426.3	427.7	432.9	440.5	442.3
32.5°	411.7	414.4	420.2	428.7	431.1
35°	396.0	399.8	406.4	416.8	419.2
37.5°	380.5	383.8	392.8	403.6	407.9
40°	363.0	368.6	378.1	390.4	395.1
42.5°	345.9	351.6	364.4	377.1	381.4
45°	328.0	334.2	347.8	363.5	368.6
47.5°	308.1	315.3	332.7	349.3	354.9
50°	287.8	296.7	316.1	334.7	341.2
52.5°	266.6	277.8	300.1	319.5	325.7
55°	245.8	258.0	283.6	303.4	311.0
57.5°	224.5	237.8	266.6	289.2	293.5
60°	201.3	217.4	249.0	268.9	274.6
62.5°	178.7	197.1	231.1	250.0	254.8
65°	156.9	176.8	212.7	230.1	233.5
67.5°	133.2	156.9	192.3	208.5	209.3
70°	110.6	138.0	172.5	180.0	173.9
72.5°	88.4	117.7	149.4	143.2	138.0
75°	69.0	98.8	121.5	109.2	106.3
77.5°	51.1	80.9	87.0	80.4	75.1
80°	36.4	63.8	58.6	50.1	47.7
82.5°	25.0	40.2	32.2	25.0	21.8
85°	14.2	17.9	11.4	7.1	5.6
87.5°	6.1	4.3	2.4	1.9	1.9
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)