

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: P732568

Luminaire Tested: **14FCZ2-25-HRP-B2750-W2D-CA125-3500K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732568
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-CA125-3500K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT
AND HRP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

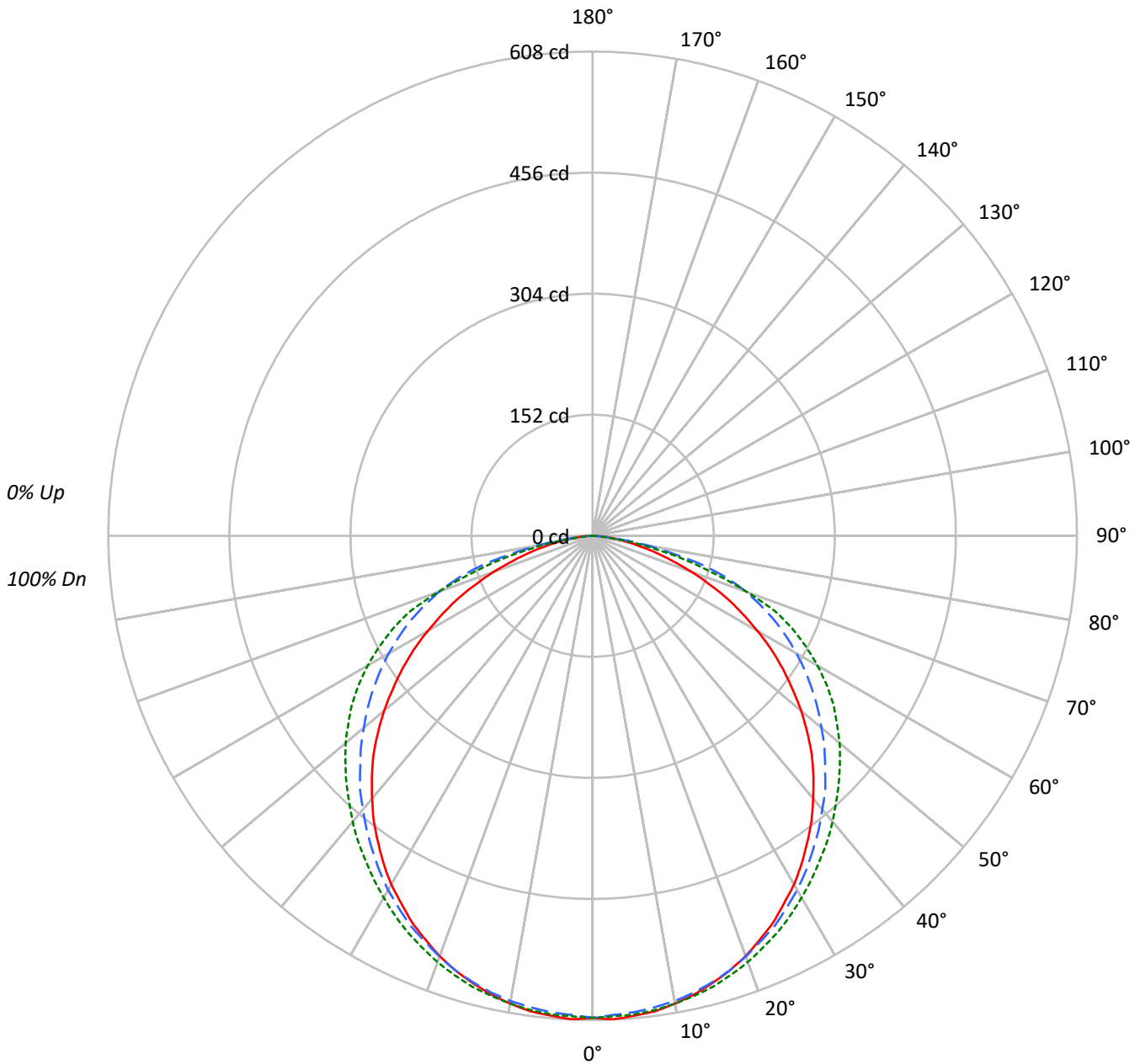
Lumens per Lamp: N/A
Luminaire Lumens: 1783.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): NR
Input Current (A_{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: P732568

CATALOG NUMBER: 14FCZ2-25-HRP-B2750-W2D-CA125-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P732568

CATALOG NUMBER: 14FCZ2-25-HRP-B2750-W2D-CA125-3500K

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	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°	1709	1709	1709
5°	1714	1701	1709
10°	1710	1700	1710
15°	1699	1696	1712
20°	1687	1689	1711
25°	1670	1683	1711
30°	1648	1674	1710
35°	1619	1661	1714
40°	1587	1653	1727
45°	1553	1647	1746
50°	1499	1647	1778
55°	1435	1655	1815
60°	1348	1668	1839
65°	1244	1685	1850
70°	1083	1689	1703
75°	893	1573	1375
80°	701	1130	920
85°	547	437	217



TEST NUMBER: P732568

CATALOG NUMBER: 14FCZ2-25-HRP-B2750-W2D-CA125-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	3.2
10°-20°	164.5	9.2
20°-30°	249.8	14.0
30°-40°	302.7	17.0
40°-50°	318.9	17.9
50°-60°	297.8	16.7
60°-70°	237.9	13.3
70°-80°	130.9	7.3
80°-90°	23.1	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°	471.6	26.5
0°-40°	774.3	43.4
0°-60°	1391.0	78.0
0°-90°	1783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	605	605	605	605	605	
5°	605	603	600	604	603	58
15°	582	582	580	586	586	164
25°	536	537	540	548	549	247
35°	470	474	482	494	497	294
45°	389	396	413	431	437	299
55°	292	306	336	360	369	260
65°	186	210	252	273	277	183
75°	82	117	144	130	126	88
85°	17	21	14	8	7	20
90°	0	0	0	0	0	



TEST NUMBER: P732568

CATALOG NUMBER: 14FCZ2-25-HRP-B2750-W2D-CA125-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	605.4	605.4	605.4	605.4	605.4
2.5°	607.7	606.0	602.2	605.4	603.9
5°	605.0	603.3	600.5	604.5	603.3
7.5°	602.2	599.9	597.1	601.6	600.5
10°	596.5	594.8	593.2	597.1	596.5
12.5°	589.8	589.3	587.6	592.1	591.5
15°	581.5	581.5	580.3	585.9	585.9
17.5°	572.4	571.8	572.4	578.6	578.1
20°	561.7	561.7	562.3	569.7	569.7
22.5°	548.8	549.4	551.1	560.0	559.5
25°	536.1	537.1	540.5	548.3	549.4
27.5°	520.3	523.1	527.0	536.5	537.6
30°	505.7	507.4	513.5	522.6	524.7
32.5°	488.4	491.6	498.5	508.5	511.4
35°	469.8	474.3	482.1	494.5	497.3
37.5°	451.4	455.3	466.0	478.7	483.8
40°	430.6	437.3	448.5	463.1	468.7
42.5°	410.3	417.2	432.3	447.4	452.5
45°	389.1	396.4	412.6	431.2	437.3
47.5°	365.5	374.0	394.7	414.3	421.0
50°	341.4	352.0	375.0	397.0	404.8
52.5°	316.3	329.6	356.0	379.0	386.4
55°	291.6	306.1	336.4	360.0	368.9
57.5°	266.3	282.1	316.3	343.1	348.2
60°	238.8	258.0	295.4	319.0	325.8
62.5°	212.0	233.8	274.1	296.5	302.2
65°	186.2	209.7	252.3	273.0	277.0
67.5°	158.1	186.2	228.2	247.3	248.3
70°	131.2	163.7	204.6	213.5	206.3
72.5°	104.9	139.6	177.2	169.8	163.7
75°	81.9	117.2	144.2	129.5	126.1
77.5°	60.6	95.9	103.2	95.4	89.1
80°	43.1	75.6	69.5	59.5	56.6
82.5°	29.7	47.7	38.2	29.7	25.8
85°	16.9	21.3	13.5	8.4	6.7
87.5°	7.2	5.1	2.8	2.3	2.3
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)