

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: P732567

Luminaire Tested: **14FCZ2-25-HRP-B2750-W2D-CA125-3000K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732567
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-CA125-3000K
Description: 1X4 2500 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT
AND HRP LENS, WITH, CA125 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

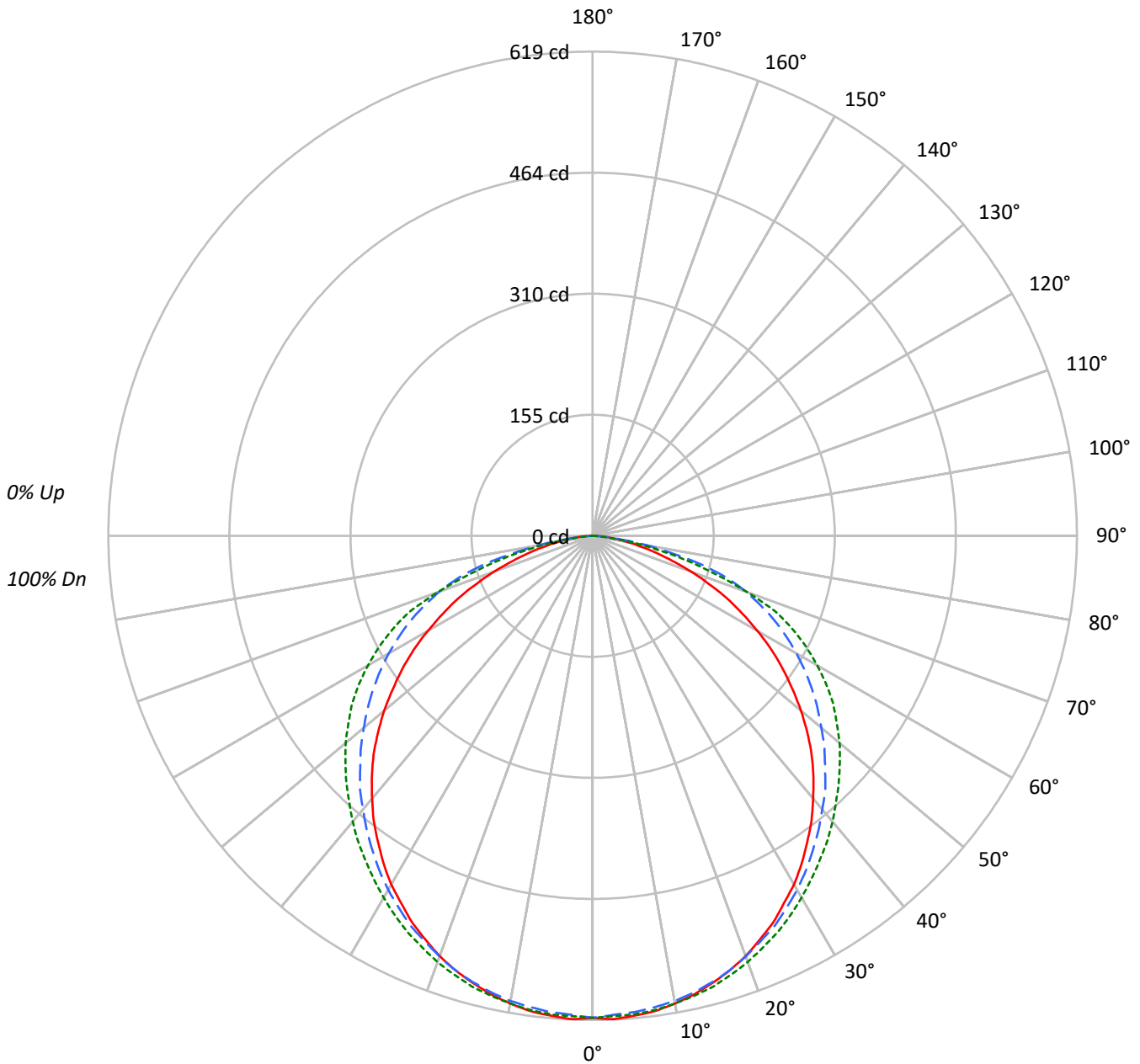
Lumens per Lamp: N/A
Luminaire Lumens: 1815.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

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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	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°	1740	1740	1740
5°	1745	1732	1740
10°	1740	1731	1740
15°	1730	1726	1743
20°	1718	1719	1742
25°	1700	1714	1742
30°	1678	1704	1741
35°	1648	1691	1744
40°	1615	1682	1758
45°	1581	1677	1777
50°	1526	1676	1810
55°	1461	1686	1848
60°	1372	1698	1872
65°	1266	1715	1883
70°	1103	1719	1733
75°	908	1600	1400
80°	714	1151	936
85°	557	444	220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	3.2
10°-20°	167.4	9.2
20°-30°	254.3	14.0
30°-40°	308.1	17.0
40°-50°	324.7	17.9
50°-60°	303.1	16.7
60°-70°	242.2	13.3
70°-80°	133.3	7.3
80°-90°	23.5	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°	480.1	26.5
0°-40°	788.2	43.4
0°-60°	1415.9	78.0
0°-90°	1815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	616	614	611	615	614	59
15°	592	592	591	596	596	167
25°	546	547	550	558	559	251
35°	478	483	491	503	506	299
45°	396	404	420	439	445	305
55°	297	312	342	366	376	265
65°	190	214	257	278	282	187
75°	83	119	147	132	128	90
85°	17	22	14	8	7	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	616.3	616.3	616.3	616.3	616.3
2.5°	618.6	616.9	613.0	616.3	614.7
5°	615.9	614.1	611.3	615.3	614.1
7.5°	613.0	610.7	607.8	612.4	611.3
10°	607.2	605.5	603.9	607.8	607.2
12.5°	600.4	599.8	598.1	602.7	602.2
15°	591.9	591.9	590.7	596.4	596.4
17.5°	582.7	582.1	582.7	589.0	588.4
20°	571.8	571.8	572.4	579.9	579.9
22.5°	558.7	559.3	561.0	570.1	569.5
25°	545.7	546.7	550.2	558.1	559.3
27.5°	529.6	532.5	536.4	546.1	547.3
30°	514.8	516.5	522.7	532.0	534.1
32.5°	497.2	500.5	507.4	517.7	520.5
35°	478.2	482.9	490.8	503.4	506.2
37.5°	459.5	463.5	474.3	487.3	492.5
40°	438.4	445.2	456.6	471.4	477.1
42.5°	417.7	424.6	440.1	455.4	460.6
45°	396.0	403.6	420.0	438.9	445.2
47.5°	372.1	380.7	401.8	421.8	428.5
50°	347.5	358.3	381.7	404.1	412.1
52.5°	321.9	335.5	362.4	385.8	393.3
55°	296.8	311.5	342.5	366.4	375.5
57.5°	271.1	287.1	321.9	349.2	354.4
60°	243.1	262.6	300.7	324.7	331.6
62.5°	215.8	238.0	279.1	301.9	307.6
65°	189.5	213.5	256.8	277.9	281.9
67.5°	160.9	189.5	232.3	251.8	252.8
70°	133.6	166.7	208.3	217.4	210.0
72.5°	106.7	142.1	180.4	172.9	166.7
75°	83.3	119.3	146.7	131.9	128.4
77.5°	61.7	97.6	105.0	97.1	90.7
80°	43.9	77.0	70.8	60.5	57.6
82.5°	30.2	48.5	38.9	30.2	26.3
85°	17.2	21.7	13.7	8.5	6.8
87.5°	7.4	5.2	2.9	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)