

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: P732726

Luminaire Tested: **14FCZ2-29-RDP-B2750-W2D-CP250-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732726
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: 14FCZ2-29-RDP-B2750-W2D-CP250-2700K
Description: 1X4 2900 LUMEN SEALED CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT
AND RDP LENS, WITH, CP250 BOTTOM LENS

Light Source: -
Ballast/Driver: -

Summary

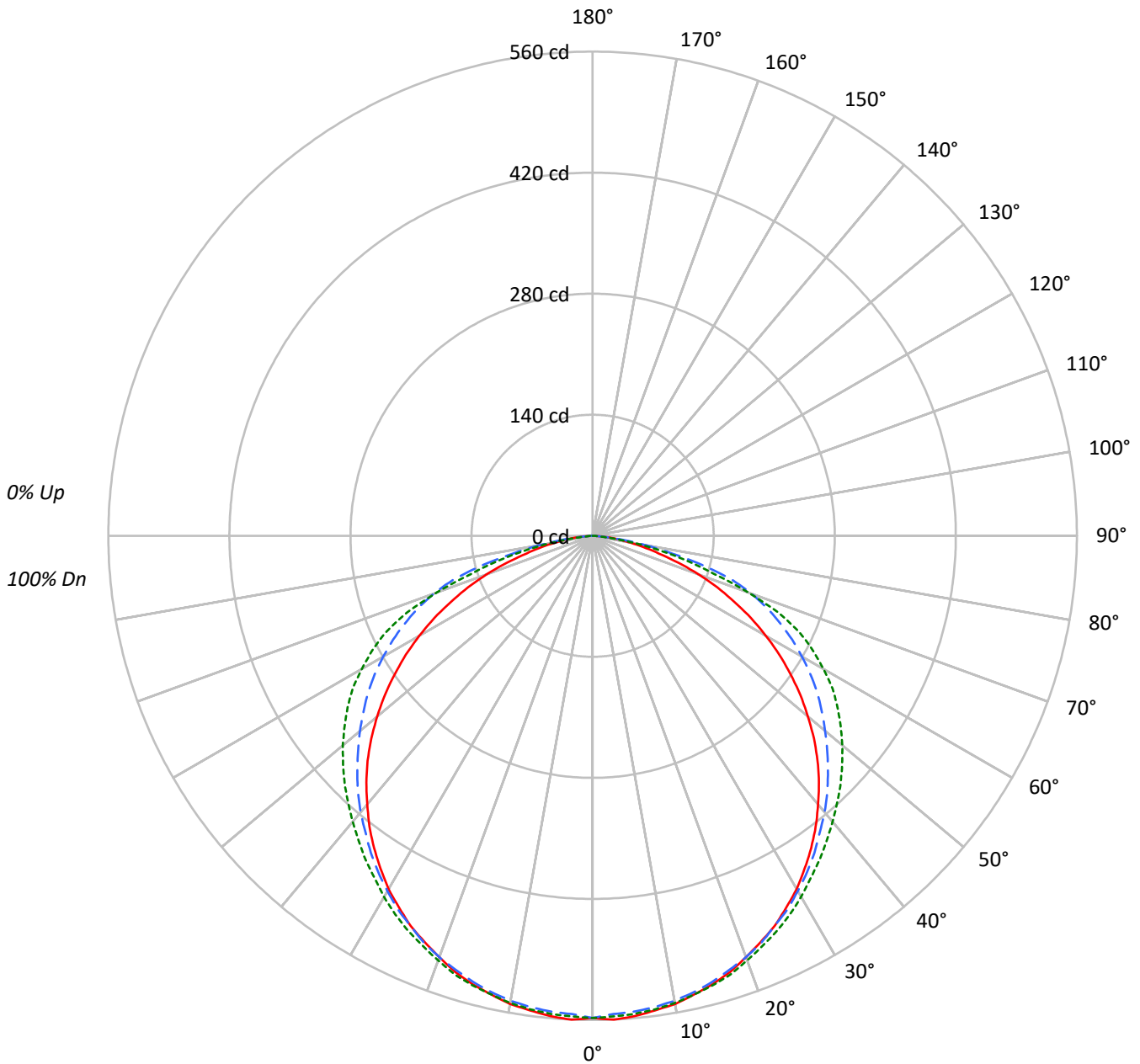
Lumens per Lamp: N/A
Luminaire Lumens: 1665.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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	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°	1574	1574	1574
5°	1580	1565	1573
10°	1576	1565	1572
15°	1569	1561	1573
20°	1558	1558	1570
25°	1551	1551	1571
30°	1538	1547	1572
35°	1519	1541	1577
40°	1494	1538	1590
45°	1469	1536	1619
50°	1427	1541	1656
55°	1375	1561	1701
60°	1306	1578	1739
65°	1207	1598	1763
70°	1073	1609	1576
75°	865	1446	1262
80°	676	1016	824
85°	463	295	211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	3.2
10°-20°	151.4	9.1
20°-30°	230.6	13.8
30°-40°	280.9	16.9
40°-50°	298.0	17.9
50°-60°	281.2	16.9
60°-70°	227.1	13.6
70°-80°	123.2	7.4
80°-90°	19.9	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°	434.8	26.1
0°-40°	715.7	43.0
0°-60°	1294.8	77.8
0°-90°	1665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	558	556	552	556	555	53
15°	537	536	534	538	538	151
25°	498	497	498	503	504	229
35°	441	443	447	456	458	276
45°	368	373	385	399	406	283
55°	280	291	317	338	346	250
65°	181	203	239	259	264	179
75°	79	116	133	120	116	87
85°	14	16	9	8	6	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	557.7	557.7	557.7	557.7	557.7
2.5°	560.2	557.7	553.7	557.7	556.4
5°	557.7	556.4	552.4	556.4	555.1
7.5°	553.7	553.7	549.8	552.4	552.4
10°	549.8	548.6	546.0	549.8	548.6
12.5°	543.3	542.0	540.8	544.6	543.3
15°	536.8	535.5	534.2	538.2	538.2
17.5°	529.0	527.7	526.4	531.7	531.7
20°	518.6	518.6	518.6	523.9	522.6
22.5°	508.3	508.3	509.5	514.8	513.5
25°	497.9	496.6	497.9	503.0	504.3
27.5°	484.8	486.1	487.4	492.6	493.9
30°	471.9	473.2	474.5	481.0	482.3
32.5°	456.3	458.9	461.4	469.2	469.2
35°	440.7	443.3	447.2	456.3	457.6
37.5°	423.8	426.4	431.6	442.0	444.5
40°	405.5	409.5	417.3	427.6	431.6
42.5°	387.3	392.6	401.7	413.3	418.6
45°	367.9	373.0	384.8	399.1	405.5
47.5°	347.0	353.6	367.9	386.1	391.3
50°	325.0	334.1	351.0	370.4	377.0
52.5°	302.9	313.2	334.1	354.8	361.4
55°	279.5	291.1	317.2	337.9	345.7
57.5°	256.0	269.1	298.9	321.1	328.9
60°	231.3	247.0	279.5	301.6	308.1
62.5°	206.7	224.8	260.0	282.0	287.3
65°	180.7	202.8	239.2	258.8	263.9
67.5°	156.0	182.0	218.4	232.6	232.6
70°	130.0	158.5	195.0	198.8	191.0
72.5°	104.0	136.5	169.0	154.7	148.2
75°	79.3	115.7	132.6	119.7	115.7
77.5°	59.7	93.5	93.5	85.7	83.2
80°	41.6	71.5	62.5	54.7	50.7
82.5°	27.2	40.3	32.5	26.0	22.1
85°	14.3	15.6	9.1	7.8	6.5
87.5°	5.3	2.5	1.3	2.5	1.3
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)