

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:

Report Number: P842818

Luminaire Tested: **14CZ2-25-RDP-UNV-B35**

Issue Date: 1/5/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P842818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer:  
Product Line:  
Catalog Number: 14CZ2-25-RDP-UNV-B35  
Description: 1X4 2500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

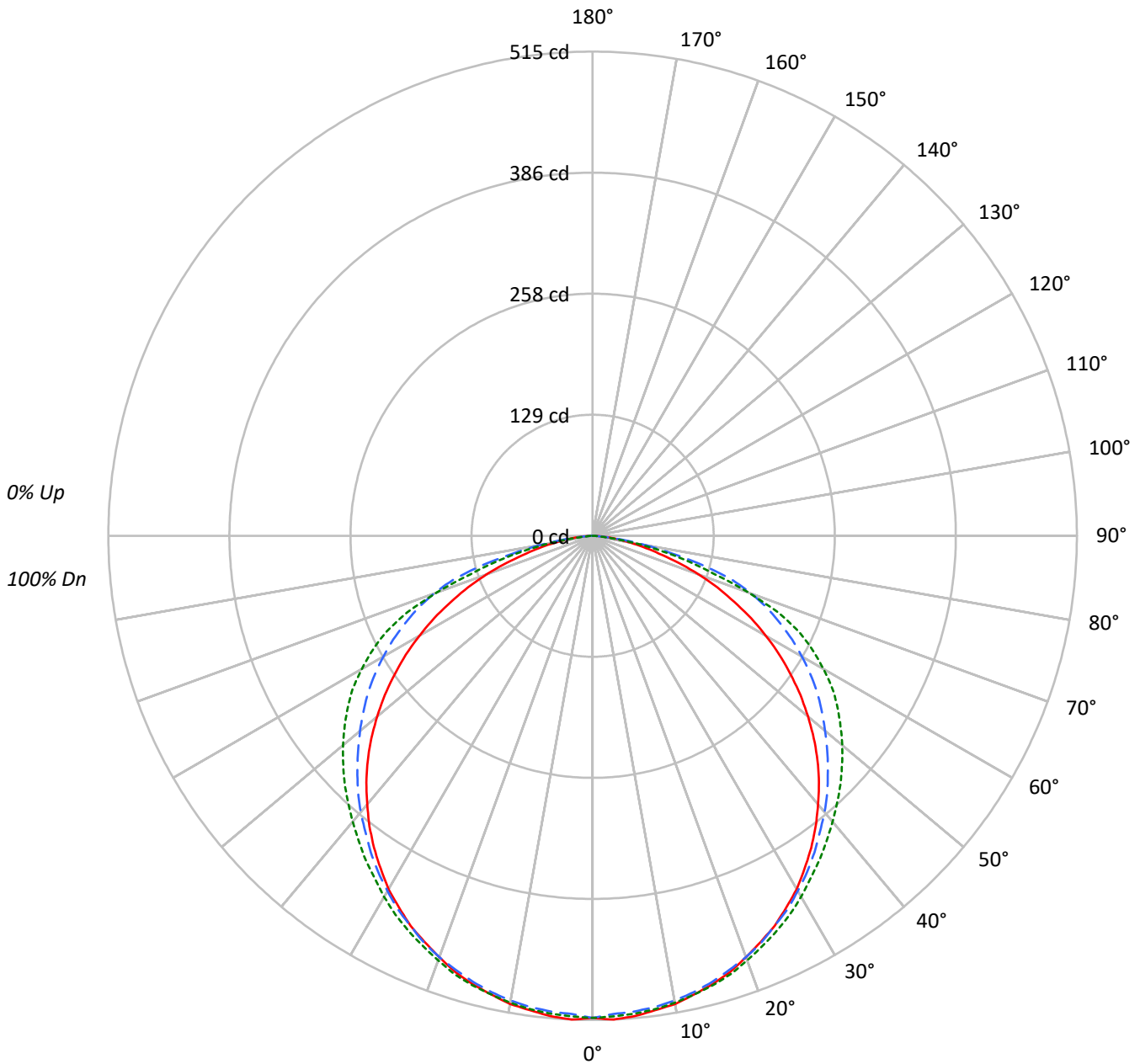
Lumens per Lamp: N/A  
Luminaire Lumens: 1531.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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°	1447	1447	1447
5°	1453	1439	1446
10°	1449	1439	1446
15°	1442	1435	1446
20°	1433	1433	1443
25°	1426	1426	1444
30°	1415	1422	1446
35°	1396	1417	1450
40°	1374	1414	1462
45°	1350	1412	1489
50°	1313	1418	1522
55°	1265	1436	1564
60°	1201	1451	1599
65°	1109	1469	1620
70°	986	1480	1450
75°	796	1329	1160
80°	621	933	757
85°	428	272	194



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	3.2
10°-20°	139.2	9.1
20°-30°	212.0	13.8
30°-40°	258.3	16.9
40°-50°	274.0	17.9
50°-60°	258.6	16.9
60°-70°	208.8	13.6
70°-80°	113.3	7.4
80°-90°	18.3	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°	399.8	26.1
0°-40°	658.1	43.0
0°-60°	1190.6	77.8
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	513	512	508	512	510	49
15°	494	492	491	495	495	139
25°	458	457	458	462	464	211
35°	405	408	411	420	421	253
45°	338	343	354	367	373	260
55°	257	268	292	311	318	230
65°	166	186	220	238	243	165
75°	73	106	122	110	106	80
85°	13	14	8	7	6	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	512.8	512.8	512.8	512.8	512.8
2.5°	515.1	512.8	509.1	512.8	511.6
5°	512.8	511.6	507.9	511.6	510.4
7.5°	509.1	509.1	505.6	507.9	507.9
10°	505.6	504.4	502.1	505.6	504.4
12.5°	499.6	498.4	497.2	500.8	499.6
15°	493.6	492.4	491.2	494.9	494.9
17.5°	486.4	485.2	484.1	488.9	488.9
20°	476.9	476.9	476.9	481.7	480.5
22.5°	467.4	467.4	468.5	473.4	472.2
25°	457.8	456.7	457.8	462.5	463.7
27.5°	445.8	447.0	448.2	453.0	454.2
30°	434.0	435.1	436.3	442.3	443.5
32.5°	419.6	421.9	424.3	431.5	431.5
35°	405.2	407.6	411.2	419.6	420.8
37.5°	389.7	392.1	396.9	406.4	408.8
40°	372.9	376.5	383.7	393.2	396.9
42.5°	356.2	361.0	369.3	380.0	384.9
45°	338.3	343.0	353.8	367.0	372.9
47.5°	319.1	325.1	338.3	355.0	359.8
50°	298.9	307.2	322.8	340.6	346.6
52.5°	278.5	288.0	307.2	326.3	332.3
55°	257.0	267.7	291.7	310.7	317.9
57.5°	235.4	247.5	274.8	295.2	302.4
60°	212.7	227.1	257.0	277.3	283.3
62.5°	190.0	206.7	239.1	259.3	264.2
65°	166.1	186.5	219.9	237.9	242.6
67.5°	143.4	167.3	200.9	213.9	213.9
70°	119.5	145.8	179.3	182.8	175.7
72.5°	95.7	125.6	155.4	142.3	136.3
75°	73.0	106.4	121.9	110.0	106.4
77.5°	54.9	86.0	86.0	78.8	76.5
80°	38.2	65.8	57.4	50.3	46.6
82.5°	25.1	37.1	29.9	23.9	20.4
85°	13.2	14.4	8.4	7.2	6.0
87.5°	4.8	2.3	1.2	2.3	1.2
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)