

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: METALUX

Report Number: P843013

Luminaire Tested: **24CZ2-35-RDP-UNV-B35**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-35-RDP-UNV-B35  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

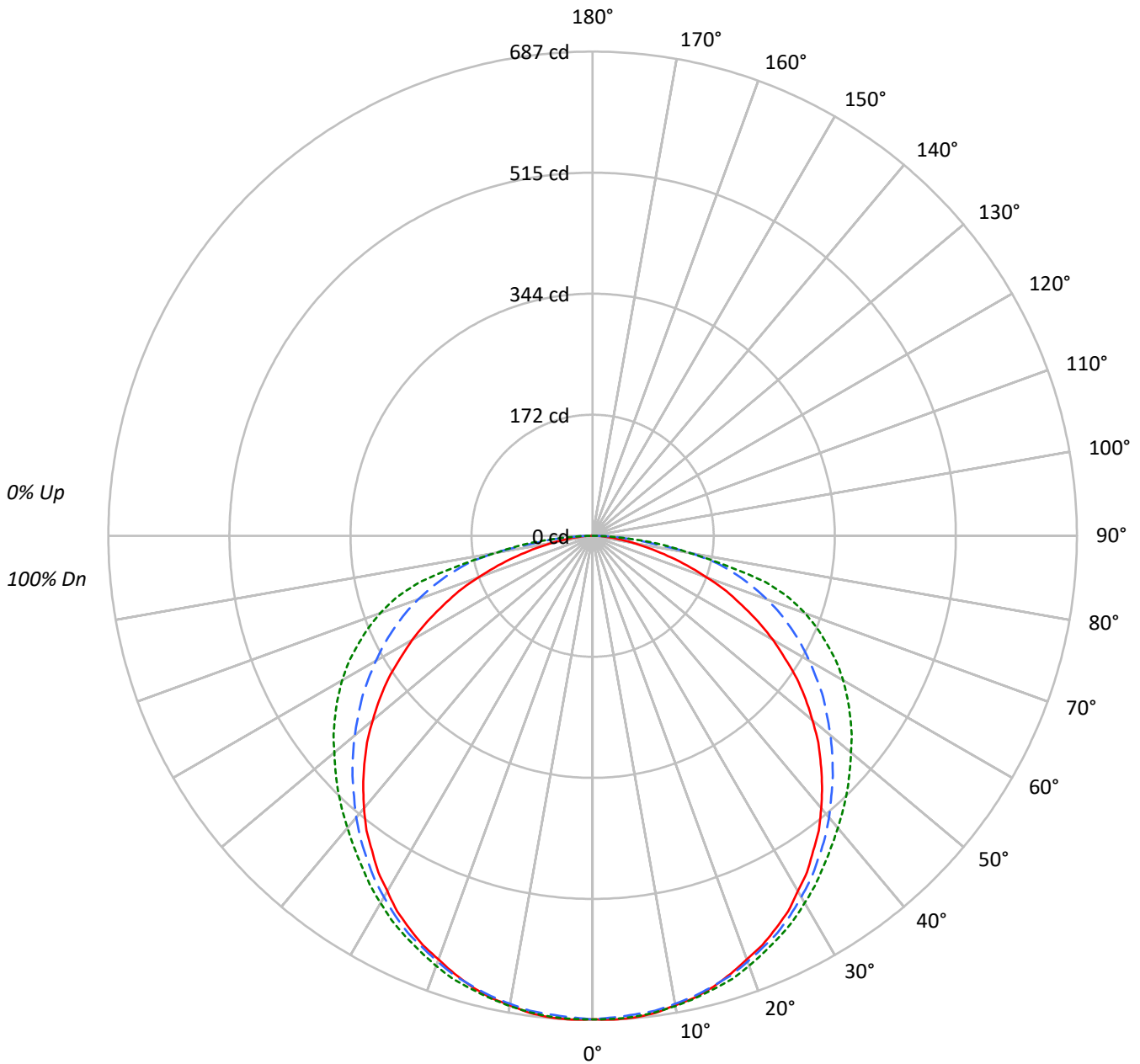
Lumens per Lamp: N/A  
Luminaire Lumens: 2182.0 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82																			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67																			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47																			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35																			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27																			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

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

	0°	45°	90°
0°	968	968	968
5°	972	966	971
10°	969	966	971
15°	968	966	973
20°	961	966	975
25°	957	967	977
30°	949	965	981
35°	940	962	985
40°	929	961	997
45°	914	961	1020
50°	893	967	1050
55°	871	983	1097
60°	834	1002	1158
65°	780	1037	1229
70°	710	1085	1322
75°	602	1145	1381
80°	475	1152	1117
85°	351	878	981



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	3.0
10°-20°	187.3	8.6
20°-30°	286.5	13.1
30°-40°	350.2	16.0
40°-50°	373.2	17.1
50°-60°	356.9	16.4
60°-70°	302.3	13.9
70°-80°	203.2	9.3
80°-90°	57.3	2.6
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°	538.9	24.7
0°-40°	889.1	40.7
0°-60°	1619.2	74.2
0°-90°	2182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2182.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	686	685	682	685	685	65
15°	662	662	661	667	666	187
25°	615	617	621	627	628	283
35°	546	550	558	569	572	342
45°	458	465	482	502	511	353
55°	354	367	399	431	446	315
65°	234	258	311	352	368	232
75°	110	150	210	246	253	118
85°	22	44	54	58	61	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	686.2	686.2	686.2	686.2	686.2
2.5°	687.2	687.2	684.0	686.2	686.2
5°	686.2	685.1	681.9	685.1	685.1
7.5°	682.9	681.9	679.7	682.9	681.9
10°	676.4	676.4	674.3	677.6	677.6
12.5°	671.0	670.0	668.8	673.1	672.1
15°	662.4	662.4	661.3	666.7	665.6
17.5°	651.6	652.6	653.7	658.0	659.2
20°	639.6	641.8	642.9	649.4	649.4
22.5°	628.8	629.9	632.0	638.5	638.5
25°	614.8	616.9	621.2	626.7	627.7
27.5°	600.7	601.7	607.2	614.8	615.8
30°	582.3	585.6	592.0	600.7	601.7
32.5°	566.0	569.3	576.8	585.6	587.7
35°	545.5	549.8	558.4	569.3	571.5
37.5°	527.1	530.4	541.2	553.1	556.3
40°	504.4	510.8	521.6	535.7	541.2
42.5°	481.7	488.1	501.1	519.5	526.1
45°	457.8	465.4	481.7	502.2	510.8
47.5°	434.1	442.7	461.1	484.8	494.6
50°	406.9	417.7	440.4	467.6	478.4
52.5°	380.9	394.0	418.9	449.2	463.3
55°	353.9	366.8	399.3	430.8	445.9
57.5°	323.6	340.9	376.6	412.4	428.6
60°	295.5	311.6	355.0	394.0	410.2
62.5°	265.2	286.8	333.3	374.4	390.7
65°	233.7	257.6	310.6	351.7	368.0
67.5°	205.7	231.6	287.9	329.0	345.3
70°	172.1	204.5	263.0	304.1	320.4
72.5°	140.7	176.4	237.0	277.1	292.2
75°	110.4	150.5	210.0	245.7	253.3
77.5°	82.2	124.5	181.8	196.9	191.6
80°	58.5	99.6	141.7	134.2	137.4
82.5°	37.8	75.8	87.7	99.6	102.8
85°	21.7	44.4	54.2	58.5	60.6
87.5°	9.8	16.2	21.7	21.7	20.6
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)