

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: P842983

Luminaire Tested: **24CZ2-30-RDP-UNV-B35**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842983  
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: 24CZ2-30-RDP-UNV-B35  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

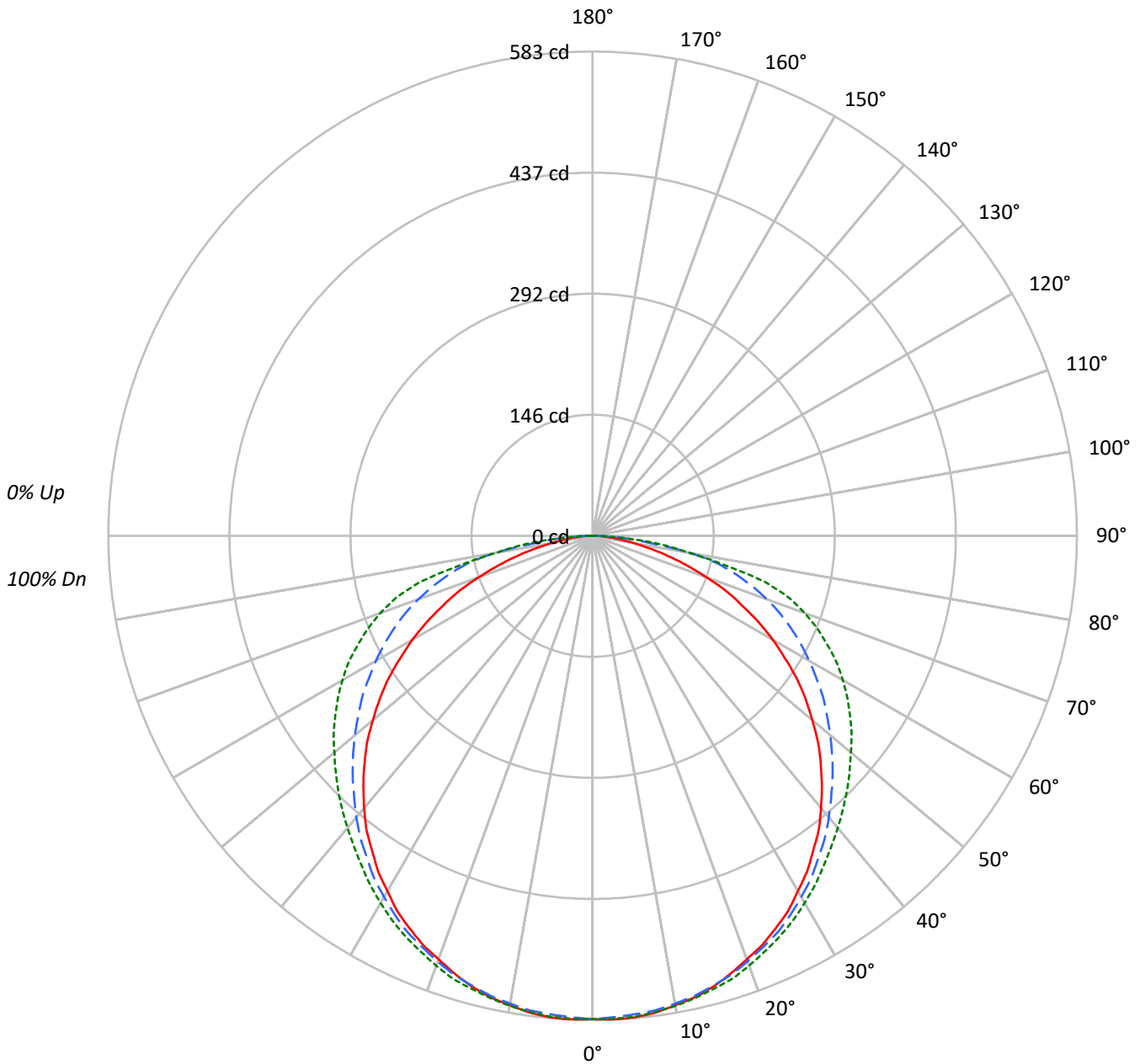
Lumens per Lamp: N/A  
Luminaire Lumens: 1851.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 23  
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					20					
RC	80					70					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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82	82	82	82	82	82		
	2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67	67	67	67	67	67		
	3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56	56	56	56	56	56		
	4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47	47	47	47	47	47		
	5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40	40	40	40	40	40		
	6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35	35	35	35	35	35		
	7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31	31	31	31	31	31		
	8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27	27	27	27	27	27		
	9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24	24	24	24	24	24		
	10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22	22	22	22	22	22		

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

	0°	45°	90°
0°	822	822	822
5°	825	819	823
10°	822	820	824
15°	821	820	825
20°	815	819	827
25°	812	821	829
30°	805	818	832
35°	797	816	835
40°	788	815	846
45°	775	816	865
50°	758	820	891
55°	739	834	931
60°	707	850	982
65°	662	880	1043
70°	602	921	1122
75°	511	971	1172
80°	403	977	948
85°	298	743	832



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	3.0
10°-20°	158.9	8.6
20°-30°	243.0	13.1
30°-40°	297.1	16.0
40°-50°	316.6	17.1
50°-60°	302.7	16.4
60°-70°	256.4	13.9
70°-80°	172.3	9.3
80°-90°	48.6	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°	457.1	24.7
0°-40°	754.2	40.7
0°-60°	1373.6	74.2
0°-90°	1851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1851.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	582	581	578	581	581	55
15°	562	562	561	566	565	158
25°	522	523	527	532	532	240
35°	463	466	474	483	485	290
45°	388	395	409	426	433	300
55°	300	311	339	365	378	267
65°	198	218	264	298	312	197
75°	94	128	178	208	215	100
85°	18	38	46	50	51	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	582.1	582.1	582.1	582.1	582.1
2.5°	583.0	583.0	580.2	582.1	582.1
5°	582.1	581.2	578.4	581.2	581.2
7.5°	579.3	578.4	576.6	579.3	578.4
10°	573.8	573.8	572.0	574.8	574.8
12.5°	569.3	568.4	567.4	571.0	570.1
15°	561.9	561.9	560.9	565.6	564.6
17.5°	552.8	553.6	554.5	558.2	559.2
20°	542.6	544.5	545.3	550.9	550.9
22.5°	533.4	534.4	536.1	541.7	541.7
25°	521.5	523.3	527.0	531.6	532.5
27.5°	509.6	510.5	515.1	521.5	522.4
30°	494.0	496.7	502.2	509.6	510.5
32.5°	480.1	482.9	489.3	496.7	498.5
35°	462.8	466.4	473.7	482.9	484.8
37.5°	447.1	449.9	459.1	469.2	471.9
40°	427.9	433.3	442.5	454.4	459.1
42.5°	408.6	414.0	425.1	440.7	446.3
45°	388.4	394.8	408.6	426.0	433.3
47.5°	368.2	375.5	391.1	411.3	419.6
50°	345.2	354.4	373.6	396.7	405.8
52.5°	323.2	334.2	355.4	381.1	393.0
55°	300.2	311.2	338.8	365.4	378.3
57.5°	274.6	289.2	319.5	349.8	363.6
60°	250.6	264.4	301.1	334.2	347.9
62.5°	225.0	243.3	282.7	317.6	331.5
65°	198.3	218.5	263.5	298.4	312.2
67.5°	174.5	196.5	244.2	279.1	292.9
70°	146.0	173.5	223.1	257.9	271.8
72.5°	119.3	149.7	201.0	235.0	247.9
75°	93.7	127.6	178.1	208.5	214.9
77.5°	69.7	105.6	154.2	167.1	162.5
80°	49.6	84.5	120.2	113.8	116.6
82.5°	32.1	64.3	74.4	84.5	87.2
85°	18.4	37.6	45.9	49.6	51.4
87.5°	8.3	13.7	18.4	18.4	17.5
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)