

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: P842998

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842998  
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: 24CZ2-30HE-RDP-UNV-B35  
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

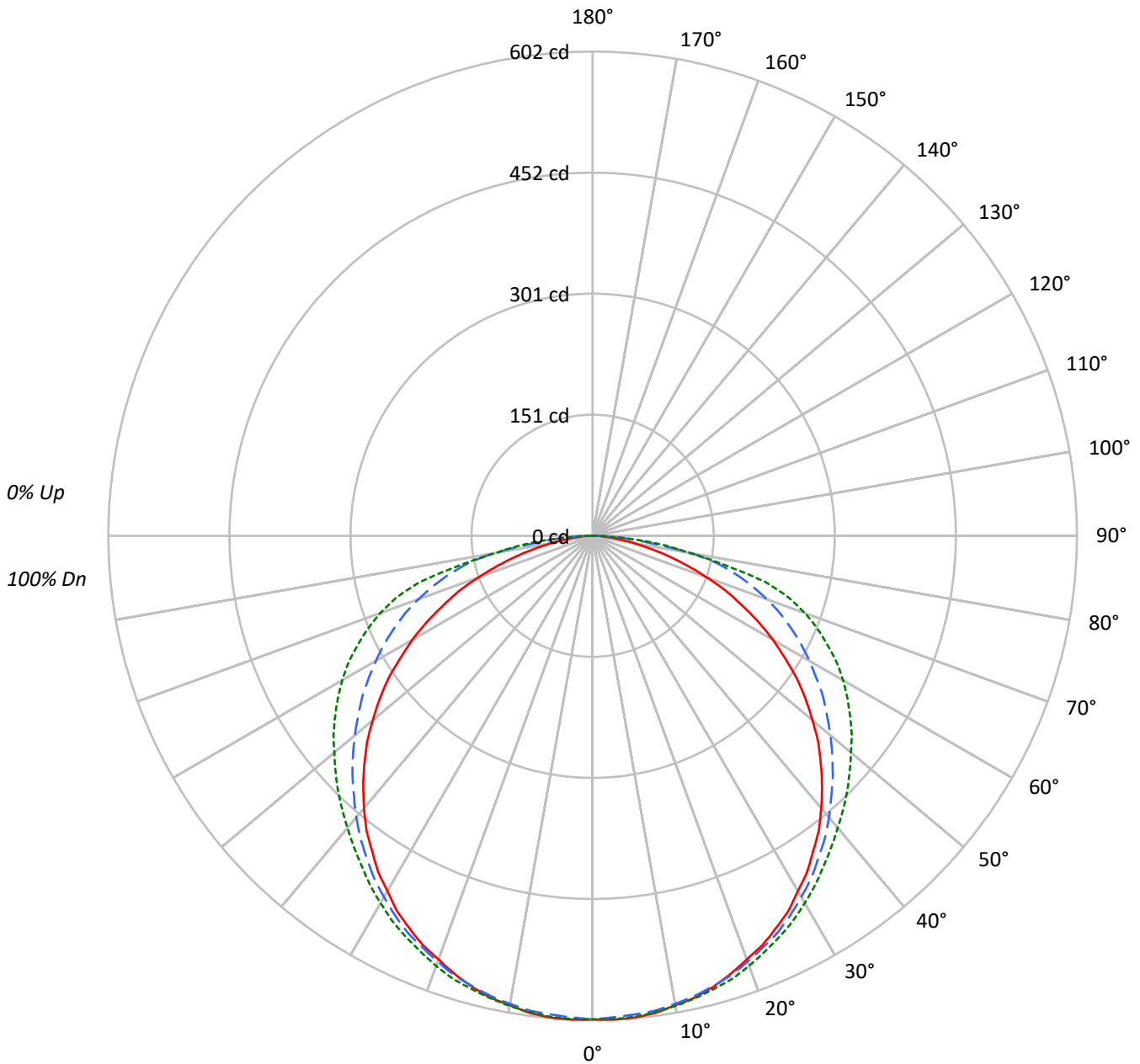
Lumens per Lamp: N/A  
Luminaire Lumens: 1912.0 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
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°	849	849	849
5°	852	846	851
10°	849	847	851
15°	848	847	852
20°	842	846	855
25°	839	848	856
30°	831	845	859
35°	824	843	863
40°	814	842	874
45°	801	842	893
50°	783	847	920
55°	763	861	961
60°	731	878	1014
65°	684	909	1077
70°	622	951	1158
75°	527	1003	1211
80°	416	1009	979
85°	308	769	860



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.0	3.0
10°-20°	164.2	8.6
20°-30°	251.0	13.1
30°-40°	306.9	16.0
40°-50°	327.1	17.1
50°-60°	312.7	16.4
60°-70°	264.9	13.9
70°-80°	178.0	9.3
80°-90°	50.2	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°	472.2	24.7
0°-40°	779.1	40.7
0°-60°	1418.8	74.2
0°-90°	1912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	601	600	598	600	600	57
15°	580	580	579	584	583	164
25°	539	541	544	549	550	248
35°	478	482	489	499	501	299
45°	401	408	422	440	448	309
55°	310	322	350	378	391	276
65°	205	226	272	308	322	203
75°	97	132	184	215	222	104
85°	19	39	48	51	53	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	601.3	601.3	601.3	601.3	601.3
2.5°	602.2	602.2	599.3	601.3	601.3
5°	601.3	600.4	597.5	600.4	600.4
7.5°	598.4	597.5	595.6	598.4	597.5
10°	592.7	592.7	590.9	593.7	593.7
12.5°	588.0	587.1	586.1	589.8	588.9
15°	580.5	580.5	579.4	584.2	583.2
17.5°	571.0	571.9	572.8	576.6	577.6
20°	560.5	562.4	563.3	569.0	569.0
22.5°	551.0	552.0	553.8	559.5	559.5
25°	538.7	540.6	544.3	549.1	550.0
27.5°	526.4	527.3	532.1	538.7	539.6
30°	510.2	513.1	518.7	526.4	527.3
32.5°	496.0	498.8	505.4	513.1	514.9
35°	478.0	481.8	489.3	498.8	500.8
37.5°	461.9	464.7	474.2	484.6	487.5
40°	442.0	447.6	457.1	469.4	474.2
42.5°	422.1	427.7	439.1	455.2	461.0
45°	401.2	407.8	422.1	440.0	447.6
47.5°	380.3	387.9	404.0	424.8	433.4
50°	356.6	366.0	385.9	409.7	419.2
52.5°	333.8	345.2	367.1	393.6	406.0
55°	310.1	321.5	349.9	377.5	390.7
57.5°	283.6	298.7	330.0	361.4	375.5
60°	258.9	273.1	311.0	345.2	359.4
62.5°	232.4	251.4	292.1	328.1	342.4
65°	204.8	225.7	272.2	308.2	322.5
67.5°	180.2	203.0	252.3	288.3	302.6
70°	150.8	179.2	230.4	266.4	280.7
72.5°	123.3	154.6	207.7	242.8	256.0
75°	96.7	131.9	184.0	215.3	222.0
77.5°	72.0	109.1	159.3	172.6	167.9
80°	51.2	87.3	124.2	117.6	120.4
82.5°	33.2	66.4	76.8	87.3	90.1
85°	19.0	38.9	47.5	51.2	53.1
87.5°	8.6	14.2	19.0	19.0	18.1
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)