

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: P731862

Luminaire Tested: **14CZ2-35-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275502)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CZ2-35-B2750-W2D-3000K  
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

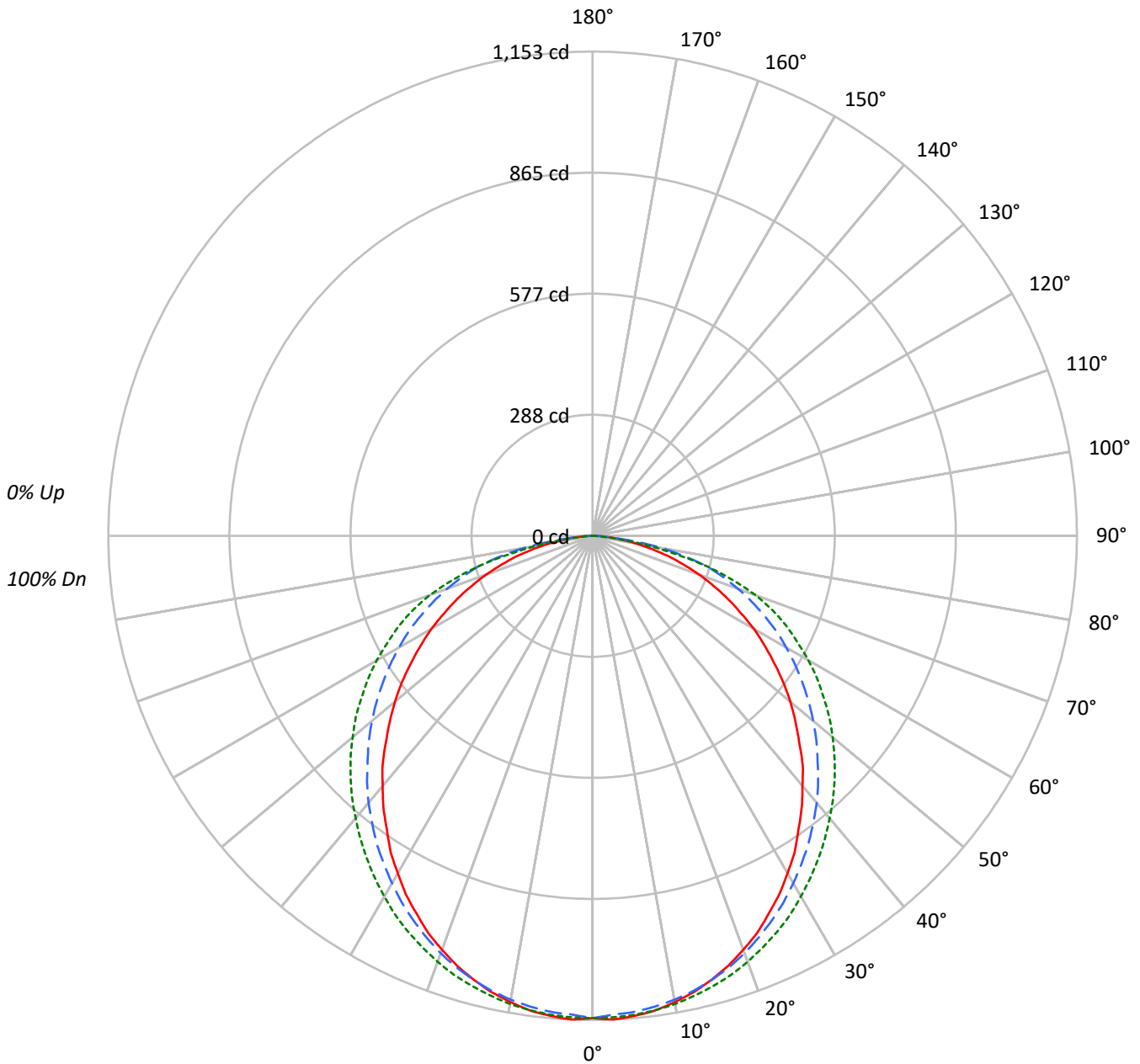
Lumens per Lamp: N/A  
Luminaire Lumens: 3334.0 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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					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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	79	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	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	24								

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

	0°	45°	90°
0°	3242	3242	3242
5°	3252	3225	3244
10°	3232	3215	3245
15°	3198	3200	3243
20°	3151	3178	3242
25°	3091	3146	3239
30°	3024	3114	3233
35°	2944	3087	3230
40°	2865	3057	3235
45°	2778	3024	3253
50°	2696	3010	3274
55°	2593	3000	3304
60°	2501	3005	3349
65°	2373	3014	3401
70°	2228	3037	3399
75°	2018	3065	3073
80°	1656	2645	2186
85°	1227	1253	505



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.7	3.3
10°-20°	310.5	9.3
20°-30°	467.7	14.0
30°-40°	561.3	16.8
40°-50°	585.0	17.5
50°-60°	541.5	16.2
60°-70°	437.6	13.1
70°-80°	266.8	8.0
80°-90°	55.1	1.7
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°	886.9	26.6
0°-40°	1448.1	43.4
0°-60°	2574.6	77.2
0°-90°	3334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3334.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1148	1145	1138	1146	1145	109
15°	1094	1095	1095	1110	1110	308
25°	992	998	1010	1036	1040	457
35°	854	868	896	929	937	535
45°	696	717	758	800	815	538
55°	527	555	610	657	671	472
65°	355	390	451	496	509	351
75°	185	226	281	286	282	194
85°	38	56	39	22	16	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1148.6	1148.6	1148.6	1148.6	1148.6
2.5°	1153.1	1149.4	1141.2	1149.4	1147.8
5°	1147.8	1144.9	1138.2	1146.3	1144.9
7.5°	1140.4	1137.3	1131.4	1141.2	1139.6
10°	1127.7	1126.3	1121.8	1133.0	1132.2
12.5°	1113.0	1112.2	1109.9	1122.6	1121.8
15°	1094.4	1095.0	1095.0	1109.9	1109.9
17.5°	1073.5	1074.9	1078.0	1094.4	1096.6
20°	1048.9	1052.0	1057.9	1076.5	1079.4
22.5°	1023.7	1026.0	1034.8	1057.1	1060.2
25°	992.4	998.4	1010.2	1035.6	1040.1
27.5°	962.8	967.9	984.2	1010.2	1017.8
30°	927.8	935.9	955.4	983.6	991.8
32.5°	894.4	903.2	925.5	958.3	965.6
35°	854.3	867.6	895.8	928.6	937.4
37.5°	817.8	830.3	862.5	898.1	908.5
40°	777.5	793.3	829.7	867.6	878.0
42.5°	740.5	755.2	794.7	833.4	847.5
45°	695.9	716.7	757.5	799.8	814.8
47.5°	654.9	675.8	722.7	767.9	781.4
50°	614.0	636.3	685.4	732.3	745.6
52.5°	571.6	595.6	648.2	695.0	710.8
55°	527.0	554.6	609.7	657.2	671.3
57.5°	484.7	512.9	571.6	619.9	634.1
60°	443.1	472.2	532.3	578.4	593.3
62.5°	397.1	431.2	493.7	538.9	550.1
65°	355.3	390.3	451.3	496.5	509.2
67.5°	311.5	349.4	410.4	451.9	464.0
70°	270.0	309.3	368.0	406.7	411.8
72.5°	225.3	265.5	324.8	349.4	349.4
75°	185.0	226.0	281.0	285.5	281.8
77.5°	141.2	186.7	222.3	213.3	204.5
80°	101.9	146.5	162.7	146.5	134.5
82.5°	68.4	106.2	98.0	78.0	69.2
85°	37.9	56.5	38.7	21.5	15.6
87.5°	14.1	12.7	3.7	3.7	3.7
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)