

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: P731861

Luminaire Tested: **14CZ2-35-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731861  
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-2700K  
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

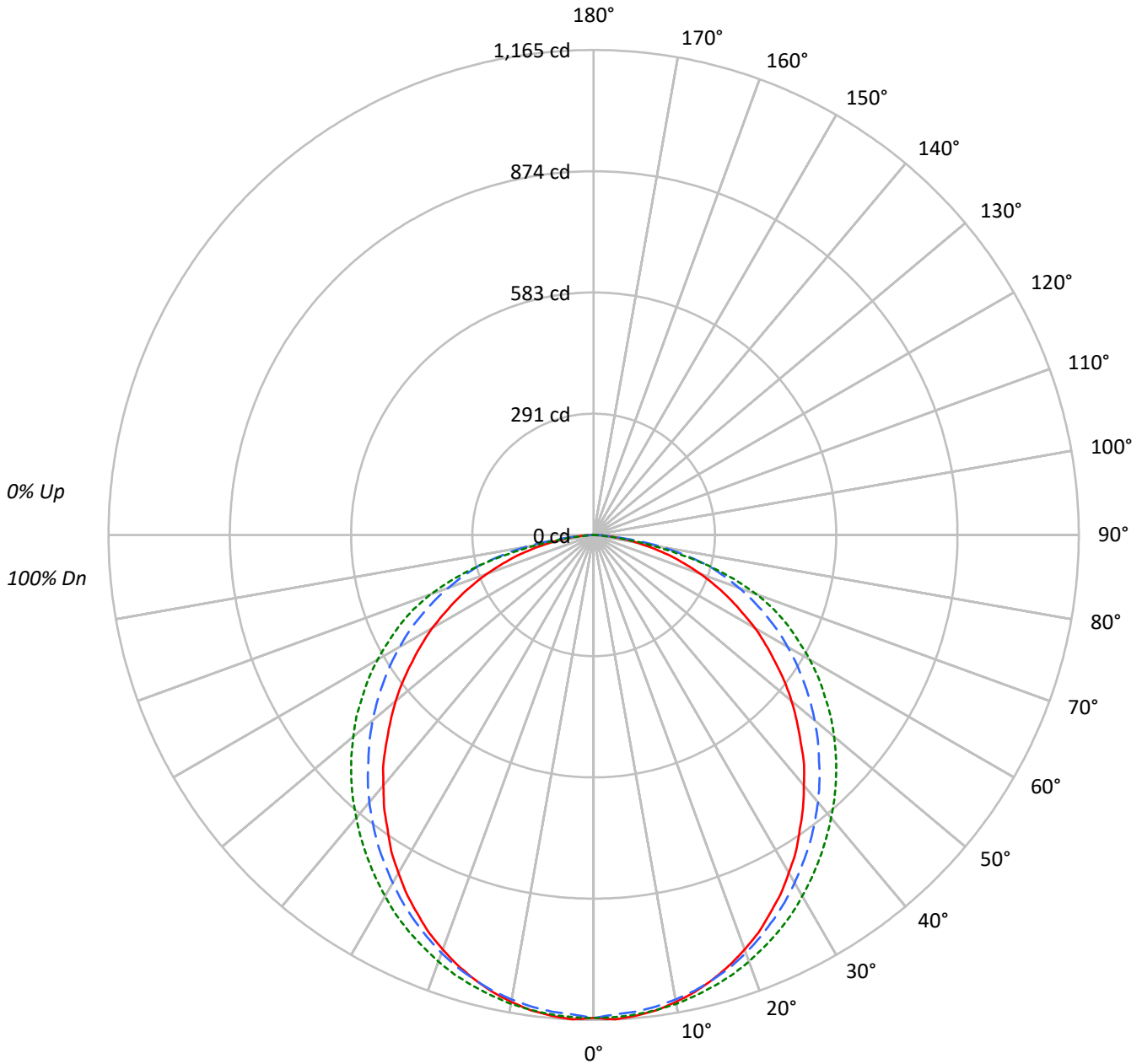
Lumens per Lamp: N/A  
Luminaire Lumens: 3368.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.37  
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')  
CIE Type: Direct

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									
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	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°	3275	3275	3275
5°	3285	3258	3277
10°	3265	3248	3278
15°	3231	3232	3276
20°	3183	3210	3275
25°	3123	3178	3272
30°	3055	3146	3266
35°	2974	3118	3263
40°	2894	3089	3268
45°	2806	3055	3286
50°	2724	3041	3308
55°	2620	3031	3338
60°	2527	3036	3384
65°	2397	3045	3436
70°	2251	3068	3433
75°	2038	3096	3105
80°	1674	2672	2207
85°	1237	1266	508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	3.3
10°-20°	313.6	9.3
20°-30°	472.5	14.0
30°-40°	567.0	16.8
40°-50°	590.9	17.5
50°-60°	547.1	16.2
60°-70°	442.0	13.1
70°-80°	269.5	8.0
80°-90°	55.6	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°	895.9	26.6
0°-40°	1462.9	43.4
0°-60°	2600.9	77.2
0°-90°	3368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1160	1157	1150	1158	1157	110
15°	1106	1106	1106	1121	1121	312
25°	1003	1008	1020	1046	1051	462
35°	863	876	905	938	947	541
45°	703	724	765	808	823	543
55°	532	560	616	664	678	477
65°	359	394	456	502	514	355
75°	187	228	284	288	285	196
85°	38	57	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°	1160.3	1160.3	1160.3	1160.3	1160.3
2.5°	1164.9	1161.1	1152.9	1161.1	1159.5
5°	1159.5	1156.6	1149.8	1158.0	1156.6
7.5°	1152.0	1148.9	1142.9	1152.9	1151.2
10°	1139.2	1137.8	1133.2	1144.6	1143.8
12.5°	1124.3	1123.5	1121.2	1134.0	1133.2
15°	1105.5	1106.1	1106.1	1121.2	1121.2
17.5°	1084.4	1085.9	1089.0	1105.5	1107.8
20°	1059.6	1062.7	1068.7	1087.5	1090.4
22.5°	1034.2	1036.5	1045.3	1067.9	1071.0
25°	1002.6	1008.5	1020.5	1046.2	1050.7
27.5°	972.6	977.7	994.3	1020.5	1028.2
30°	937.2	945.5	965.1	993.7	1001.9
32.5°	903.5	912.4	934.9	968.0	975.5
35°	863.0	876.4	905.0	938.0	946.9
37.5°	826.2	838.8	871.3	907.2	917.8
40°	785.5	801.4	838.2	876.4	887.0
42.5°	748.0	762.9	802.8	841.9	856.2
45°	703.0	724.1	765.2	808.0	823.1
47.5°	661.6	682.7	730.0	775.7	789.4
50°	620.3	642.8	692.4	739.8	753.2
52.5°	577.5	601.7	654.8	702.1	718.1
55°	532.4	560.3	615.9	663.9	678.2
57.5°	489.6	518.1	577.5	626.3	640.5
60°	447.6	477.0	537.8	584.3	599.4
62.5°	401.1	435.6	498.7	544.4	555.8
65°	358.9	394.3	455.9	501.6	514.4
67.5°	314.7	352.9	414.5	456.5	468.7
70°	272.7	312.4	371.7	410.8	416.0
72.5°	227.6	268.2	328.1	352.9	352.9
75°	186.9	228.3	283.9	288.4	284.7
77.5°	142.7	188.6	224.5	215.4	206.5
80°	103.0	148.0	164.4	148.0	135.8
82.5°	69.1	107.3	99.0	78.8	69.9
85°	38.2	57.1	39.1	21.7	15.7
87.5°	14.3	12.8	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)