

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: P732136

Luminaire Tested: **24CZ2-35-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-35-B2750-W2D-2700K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

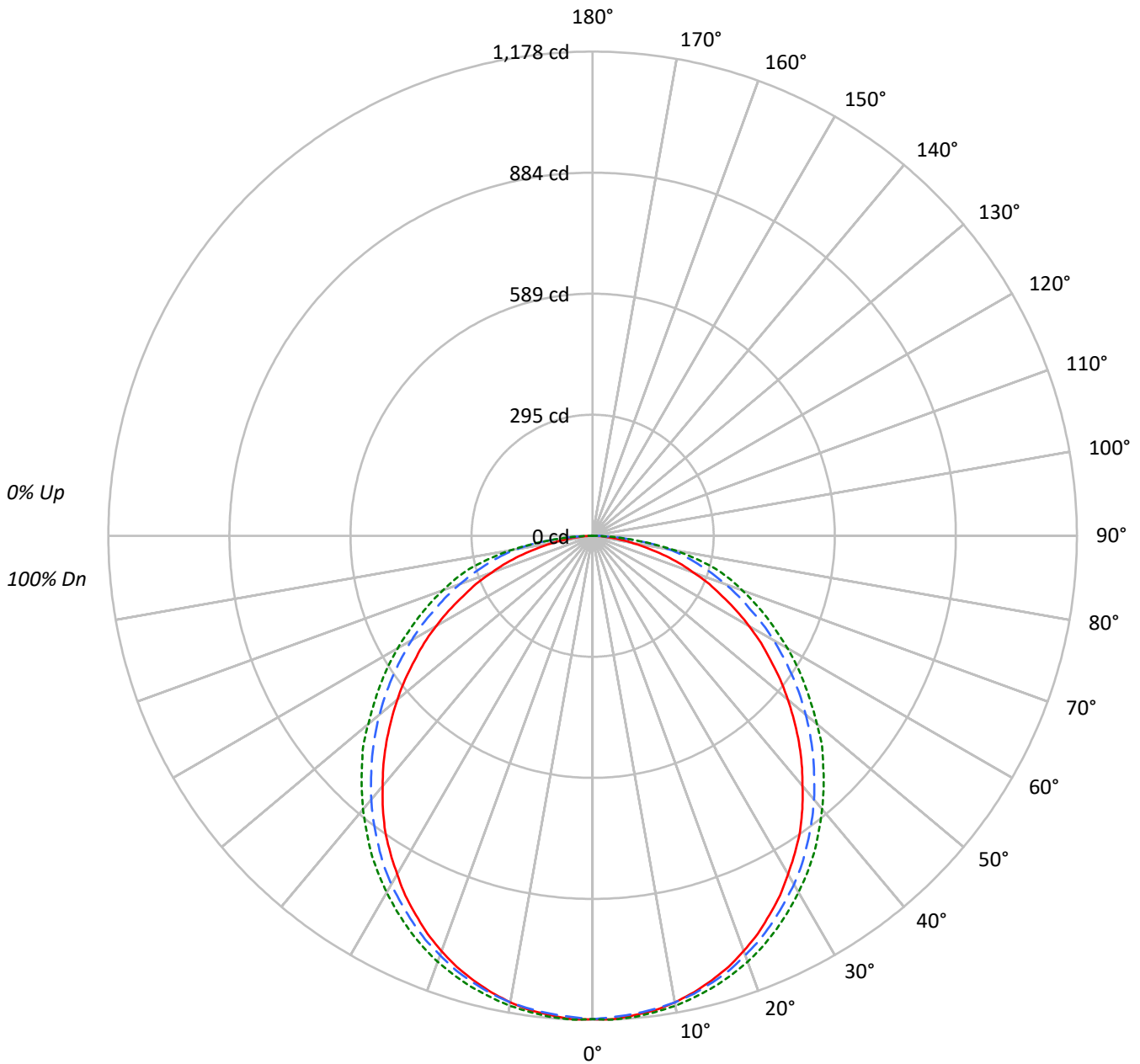
Lumens per Lamp: N/A  
Luminaire Lumens: 3348.0 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P732136

CATALOG NUMBER: 24CZ2-35-B2750-W2D-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P732136

CATALOG NUMBER: 24CZ2-35-B2750-W2D-2700K

**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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	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	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

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

	0°	45°	90°
0°	1660	1660	1660
5°	1659	1654	1665
10°	1652	1652	1664
15°	1636	1644	1661
20°	1615	1631	1656
25°	1585	1615	1646
30°	1549	1596	1632
35°	1515	1570	1620
40°	1464	1544	1601
45°	1416	1514	1584
50°	1361	1485	1564
55°	1300	1457	1549
60°	1240	1435	1546
65°	1161	1410	1556
70°	1075	1417	1597
75°	963	1444	1687
80°	778	1530	1651
85°	585	1342	1308



TEST NUMBER: P732136

CATALOG NUMBER: 24CZ2-35-B2750-W2D-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	3.3
10°-20°	318.2	9.5
20°-30°	478.3	14.3
30°-40°	569.7	17.0
40°-50°	583.1	17.4
50°-60°	524.9	15.7
60°-70°	412.2	12.3
70°-80°	267.5	8.0
80°-90°	82.7	2.5
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°	907.8	27.1
0°-40°	1477.5	44.1
0°-60°	2585.5	77.2
0°-90°	3348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1171	1173	1168	1174	1175	111
15°	1120	1123	1125	1135	1137	316
25°	1018	1026	1037	1054	1057	469
35°	880	890	911	934	940	549
45°	709	726	758	787	793	547
55°	528	552	592	623	630	474
65°	348	374	422	457	466	346
75°	177	210	265	301	309	187
85°	36	67	83	81	81	44
90°	0	0	0	0	0	



TEST NUMBER: P732136

CATALOG NUMBER: 24CZ2-35-B2750-W2D-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1176.2	1176.2	1176.2	1176.2	1176.2
2.5°	1177.3	1177.3	1171.9	1177.3	1178.3
5°	1170.8	1173.0	1167.6	1174.1	1175.1
7.5°	1164.4	1164.4	1161.2	1167.6	1168.8
10°	1152.8	1153.8	1152.8	1160.2	1161.2
12.5°	1137.9	1140.0	1141.1	1148.6	1149.6
15°	1119.9	1123.1	1125.1	1134.7	1136.9
17.5°	1099.6	1102.8	1108.1	1118.7	1120.9
20°	1075.1	1079.4	1085.8	1099.6	1102.8
22.5°	1048.6	1052.8	1063.5	1076.2	1081.5
25°	1017.7	1026.2	1036.8	1053.9	1057.1
27.5°	986.9	994.3	1008.1	1026.2	1030.5
30°	950.7	962.4	979.4	997.5	1001.7
32.5°	915.6	927.3	947.5	966.7	972.0
35°	879.5	890.1	911.4	933.7	940.1
37.5°	838.0	851.8	875.3	897.5	904.0
40°	794.4	811.4	838.0	861.4	868.8
42.5°	752.9	771.0	797.6	823.1	831.6
45°	709.3	726.4	758.3	787.0	793.4
47.5°	664.6	683.8	717.8	746.5	757.1
50°	620.0	640.3	676.4	706.1	712.5
52.5°	575.3	596.6	634.9	666.8	670.0
55°	528.5	552.0	592.3	623.2	629.6
57.5°	486.0	506.2	549.8	581.7	589.1
60°	439.2	461.5	508.3	538.1	547.6
62.5°	394.5	418.0	466.9	496.6	505.1
65°	347.7	374.4	422.2	457.3	465.8
67.5°	307.4	332.9	383.9	418.0	426.4
70°	260.5	289.3	343.5	378.6	387.1
72.5°	220.1	249.9	304.2	338.1	350.9
75°	176.6	210.5	264.8	301.0	309.4
77.5°	134.0	173.4	228.6	256.3	256.3
80°	95.7	137.2	188.2	201.0	203.1
82.5°	62.8	103.1	139.3	138.3	138.3
85°	36.1	67.0	82.9	80.8	80.8
87.5°	13.8	27.7	29.7	29.7	28.7
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)