

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: P732147

Luminaire Tested: **24CZ2-35-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732147  
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: 24CZ2-35-RDP-B2750-W2D-3000K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

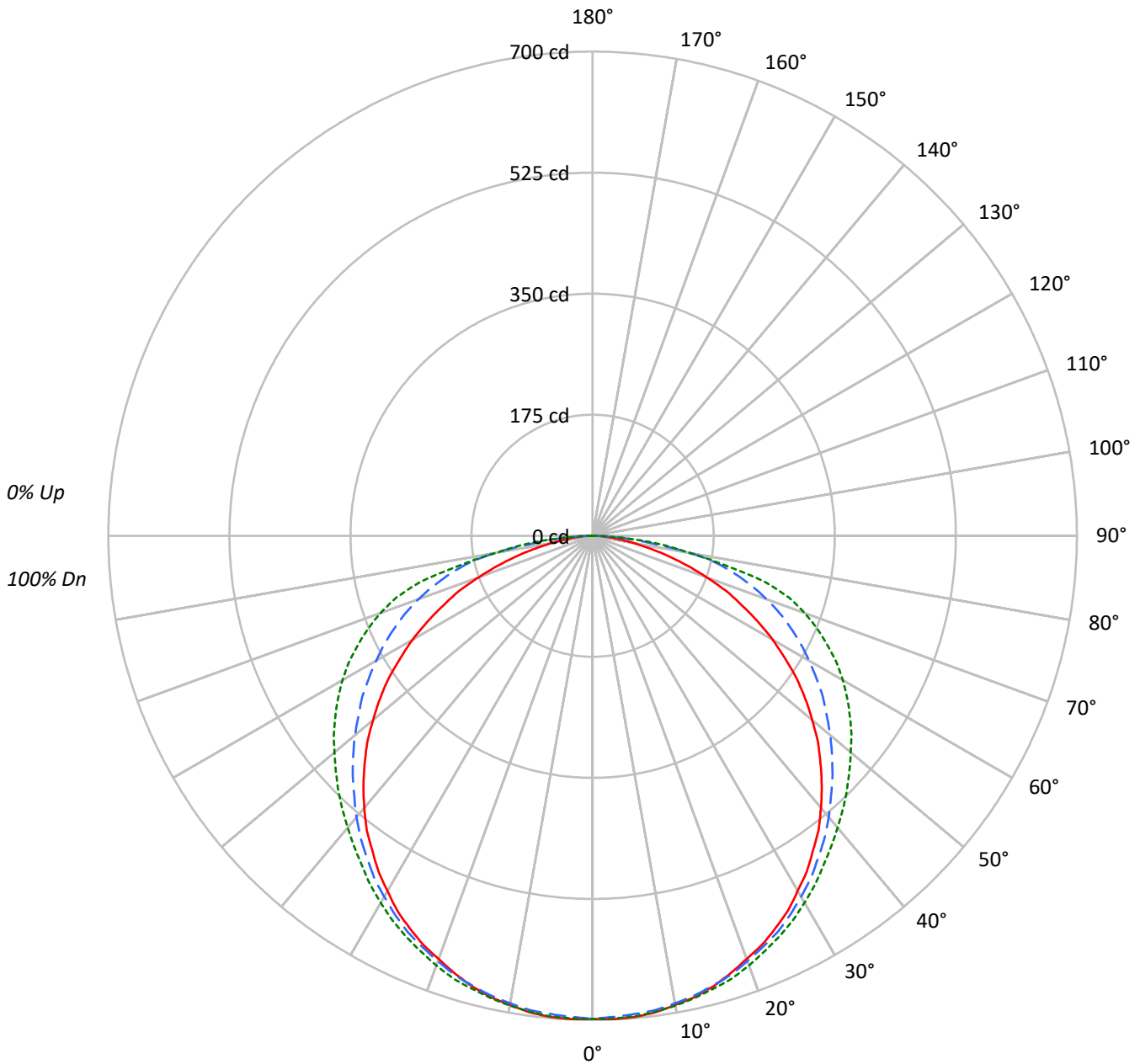
Lumens per Lamp: N/A  
Luminaire Lumens: 2221.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P732147

CATALOG NUMBER: 24CZ2-35-RDP-B2750-W2D-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P732147

CATALOG NUMBER: 24CZ2-35-RDP-B2750-W2D-3000K

**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	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°	986	986	986
5°	989	983	988
10°	987	984	988
15°	985	983	990
20°	978	983	993
25°	975	985	995
30°	966	982	998
35°	957	979	1002
40°	946	978	1015
45°	930	979	1038
50°	909	984	1069
55°	886	1000	1117
60°	849	1020	1178
65°	794	1056	1251
70°	723	1105	1346
75°	613	1165	1406
80°	484	1173	1137
85°	358	892	998



TEST NUMBER: P732147

CATALOG NUMBER: 24CZ2-35-RDP-B2750-W2D-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	3.0
10°-20°	190.7	8.6
20°-30°	291.6	13.1
30°-40°	356.5	16.0
40°-50°	379.9	17.1
50°-60°	363.2	16.4
60°-70°	307.7	13.9
70°-80°	206.8	9.3
80°-90°	58.4	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°	548.5	24.7
0°-40°	905.0	40.7
0°-60°	1648.1	74.2
0°-90°	2221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	698	697	694	697	697	66
15°	674	674	673	679	678	190
25°	626	628	632	638	639	288
35°	555	560	568	579	582	348
45°	466	474	490	511	520	359
55°	360	373	406	438	454	321
65°	238	262	316	358	375	236
75°	112	153	214	250	258	120
85°	22	45	55	60	62	27
90°	0	0	0	0	0	



TEST NUMBER: P732147

CATALOG NUMBER: 24CZ2-35-RDP-B2750-W2D-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	698.4	698.4	698.4	698.4	698.4
2.5°	699.5	699.5	696.2	698.4	698.4
5°	698.4	697.4	694.1	697.4	697.4
7.5°	695.1	694.1	691.8	695.1	694.1
10°	688.5	688.5	686.4	689.7	689.7
12.5°	683.0	682.0	680.8	685.2	684.1
15°	674.3	674.3	673.1	678.7	677.5
17.5°	663.2	664.3	665.4	669.8	671.0
20°	651.0	653.3	654.3	661.0	661.0
22.5°	640.0	641.2	643.3	650.0	650.0
25°	625.8	627.9	632.3	637.9	638.9
27.5°	611.4	612.5	618.1	625.8	626.8
30°	592.7	596.0	602.5	611.4	612.5
32.5°	576.1	579.4	587.1	596.0	598.2
35°	555.3	559.6	568.4	579.4	581.7
37.5°	536.5	539.8	550.9	563.0	566.3
40°	513.4	519.9	530.9	545.3	550.9
42.5°	490.3	496.8	510.1	528.8	535.5
45°	466.0	473.7	490.3	511.2	519.9
47.5°	441.8	450.6	469.3	493.5	503.4
50°	414.2	425.2	448.3	475.9	487.0
52.5°	387.7	401.0	426.4	457.2	471.6
55°	360.2	373.4	406.5	438.5	453.9
57.5°	329.4	347.0	383.4	419.8	436.2
60°	300.7	317.2	361.3	401.0	417.5
62.5°	269.9	292.0	339.3	381.1	397.7
65°	237.9	262.2	316.1	358.0	374.6
67.5°	209.3	235.8	293.0	334.9	351.5
70°	175.2	208.2	267.7	309.5	326.1
72.5°	143.2	179.6	241.2	282.0	297.4
75°	112.4	153.2	213.7	250.1	257.8
77.5°	83.7	126.7	185.0	200.4	195.0
80°	59.5	101.4	144.3	136.6	139.9
82.5°	38.5	77.2	89.3	101.4	104.7
85°	22.1	45.2	55.1	59.5	61.6
87.5°	10.0	16.5	22.1	22.1	21.0
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)