

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: P732146

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732146  
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-2700K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

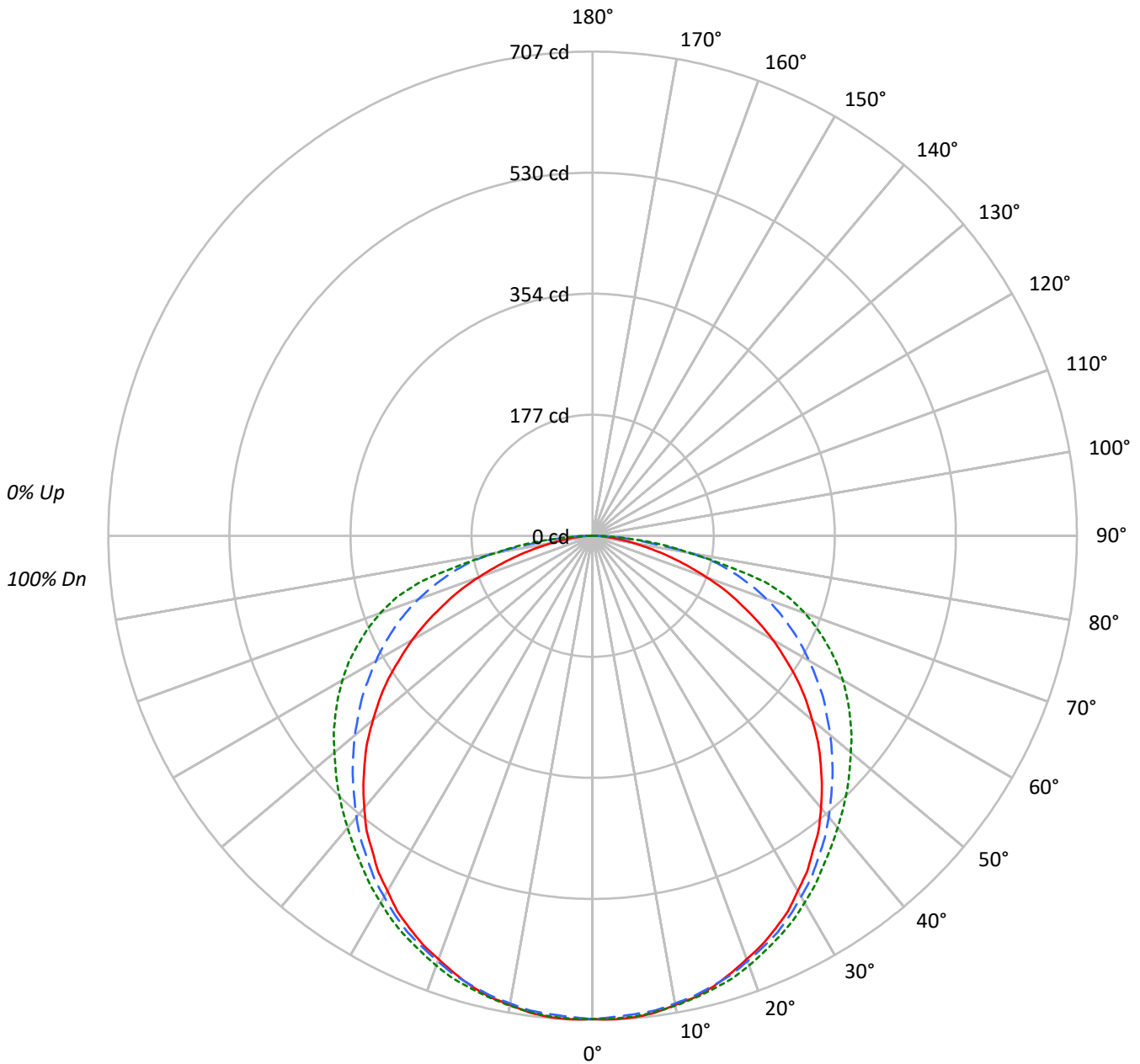
Lumens per Lamp: N/A  
Luminaire Lumens: 2244.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82				82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67				67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56				56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47				47
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35				35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27				27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

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

	0°	45°	90°
0°	996	996	996
5°	1000	994	998
10°	997	994	999
15°	995	994	1000
20°	988	993	1003
25°	985	995	1005
30°	976	992	1008
35°	967	989	1013
40°	956	988	1025
45°	940	989	1048
50°	919	995	1080
55°	896	1011	1128
60°	858	1031	1191
65°	803	1067	1264
70°	730	1116	1360
75°	619	1177	1421
80°	488	1185	1148
85°	361	902	1009



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.9	3.0
10°-20°	192.7	8.6
20°-30°	294.6	13.1
30°-40°	360.1	16.0
40°-50°	383.8	17.1
50°-60°	367.0	16.4
60°-70°	310.9	13.9
70°-80°	208.9	9.3
80°-90°	59.0	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°	554.2	24.7
0°-40°	914.3	40.7
0°-60°	1665.2	74.2
0°-90°	2244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	706	705	701	705	705	67
15°	681	681	680	686	684	192
25°	632	634	639	644	646	291
35°	561	565	574	585	588	351
45°	471	479	495	516	525	363
55°	364	377	411	443	459	324
65°	240	265	319	362	378	239
75°	114	155	216	253	260	122
85°	22	46	56	60	62	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	705.7	705.7	705.7	705.7	705.7
2.5°	706.8	706.8	703.4	705.7	705.7
5°	705.7	704.6	701.3	704.6	704.6
7.5°	702.3	701.3	699.0	702.3	701.3
10°	695.6	695.6	693.5	696.8	696.8
12.5°	690.1	689.0	687.8	692.3	691.2
15°	681.3	681.3	680.0	685.7	684.5
17.5°	670.1	671.2	672.3	676.7	677.9
20°	657.8	660.0	661.1	667.8	667.8
22.5°	646.6	647.8	650.0	656.7	656.7
25°	632.3	634.4	638.8	644.5	645.6
27.5°	617.8	618.8	624.5	632.3	633.3
30°	598.8	602.2	608.8	617.8	618.8
32.5°	582.1	585.4	593.2	602.2	604.4
35°	561.0	565.4	574.3	585.4	587.7
37.5°	542.1	545.4	556.6	568.8	572.1
40°	518.7	525.3	536.4	550.9	556.6
42.5°	495.4	501.9	515.4	534.3	541.0
45°	470.8	478.6	495.4	516.4	525.3
47.5°	446.4	455.2	474.2	498.6	508.7
50°	418.5	429.6	453.0	480.9	492.0
52.5°	391.8	405.2	430.8	462.0	476.4
55°	364.0	377.3	410.7	443.0	458.6
57.5°	332.8	350.6	387.3	424.1	440.7
60°	303.9	320.5	365.1	405.2	421.8
62.5°	272.7	295.0	342.8	385.1	401.8
65°	240.4	264.9	319.4	361.7	378.5
67.5°	211.5	238.2	296.1	338.3	355.1
70°	177.0	210.3	270.4	312.7	329.5
72.5°	144.7	181.5	243.7	284.9	300.5
75°	113.5	154.7	215.9	252.7	260.5
77.5°	84.6	128.0	187.0	202.5	197.0
80°	60.1	102.4	145.8	138.0	141.3
82.5°	38.9	78.0	90.2	102.4	105.8
85°	22.3	45.6	55.7	60.1	62.3
87.5°	10.1	16.6	22.3	22.3	21.2
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)