

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: P732175

Luminaire Tested: **24CZ2-35HE-RDP-B2750-W2D-5000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732175  
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: 24CZ2-35HE-RDP-B2750-W2D-5000K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

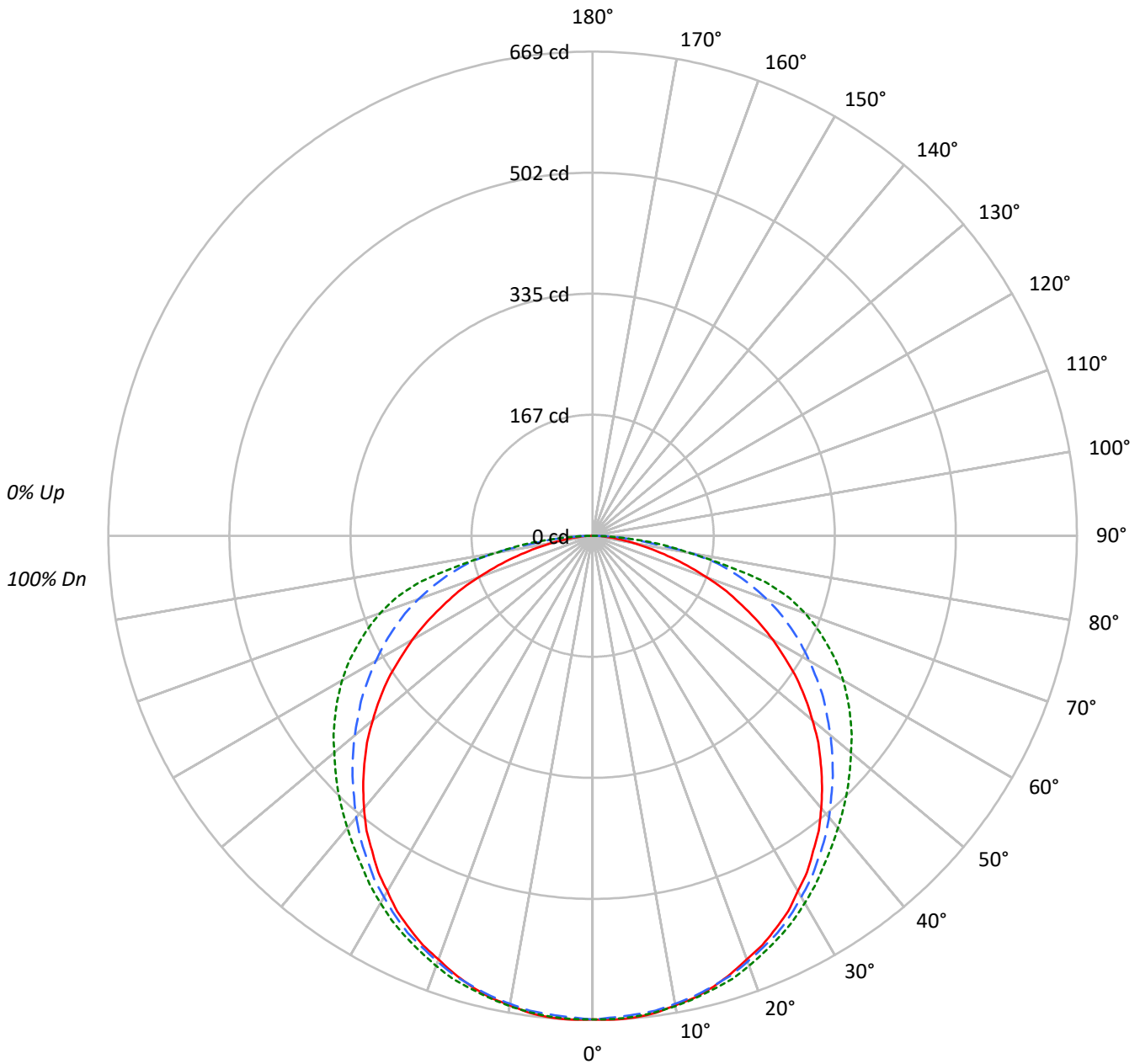
Lumens per Lamp: N/A  
Luminaire Lumens: 2125.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 26  
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	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	68	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°	943	943	943
5°	947	941	945
10°	944	941	946
15°	943	941	947
20°	936	940	950
25°	932	942	952
30°	924	940	955
35°	915	937	959
40°	905	936	971
45°	890	936	993
50°	870	942	1023
55°	848	957	1069
60°	812	976	1128
65°	760	1010	1197
70°	692	1057	1287
75°	586	1115	1345
80°	462	1122	1087
85°	342	853	955



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	3.0
10°-20°	182.4	8.6
20°-30°	279.0	13.1
30°-40°	341.1	16.0
40°-50°	363.5	17.1
50°-60°	347.6	16.4
60°-70°	294.4	13.9
70°-80°	197.9	9.3
80°-90°	55.8	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°	524.8	24.7
0°-40°	865.9	40.7
0°-60°	1576.9	74.2
0°-90°	2125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	668	667	664	667	667	63
15°	645	645	644	649	648	182
25°	599	601	605	610	611	276
35°	531	535	544	554	556	333
45°	446	453	469	489	497	344
55°	345	357	389	420	434	307
65°	228	251	302	342	358	226
75°	108	146	204	239	247	115
85°	21	43	53	57	59	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	668.3	668.3	668.3	668.3	668.3
2.5°	669.3	669.3	666.1	668.3	668.3
5°	668.3	667.2	664.1	667.2	667.2
7.5°	665.1	664.1	661.9	665.1	664.1
10°	658.7	658.7	656.7	659.9	659.9
12.5°	653.5	652.5	651.4	655.5	654.5
15°	645.1	645.1	644.0	649.3	648.2
17.5°	634.6	635.6	636.6	640.8	641.9
20°	622.9	625.0	626.1	632.4	632.4
22.5°	612.3	613.5	615.5	621.9	621.9
25°	598.7	600.8	605.0	610.3	611.3
27.5°	585.0	586.0	591.4	598.7	599.8
30°	567.1	570.3	576.5	585.0	586.0
32.5°	551.2	554.4	561.8	570.3	572.3
35°	531.3	535.4	543.8	554.4	556.5
37.5°	513.3	516.5	527.1	538.6	541.8
40°	491.2	497.4	508.0	521.7	527.1
42.5°	469.1	475.3	488.0	506.0	512.3
45°	445.8	453.2	469.1	489.1	497.4
47.5°	422.7	431.1	449.0	472.2	481.7
50°	396.3	406.8	428.9	455.4	465.9
52.5°	371.0	383.7	408.0	437.5	451.2
55°	344.7	357.3	388.9	419.5	434.3
57.5°	315.2	332.0	366.8	401.6	417.4
60°	287.7	303.5	345.7	383.7	399.5
62.5°	258.3	279.4	324.6	364.6	380.5
65°	227.6	250.9	302.5	342.5	358.4
67.5°	200.3	225.6	280.4	320.4	336.3
70°	167.6	199.2	256.1	296.1	312.0
72.5°	137.0	171.8	230.8	269.8	284.6
75°	107.5	146.5	204.5	239.3	246.7
77.5°	80.1	121.2	177.0	191.8	186.6
80°	56.9	97.0	138.0	130.7	133.8
82.5°	36.9	73.8	85.4	97.0	100.1
85°	21.1	43.2	52.7	56.9	59.0
87.5°	9.5	15.8	21.1	21.1	20.1
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)