

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: P732171

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732171  
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-2700K  
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

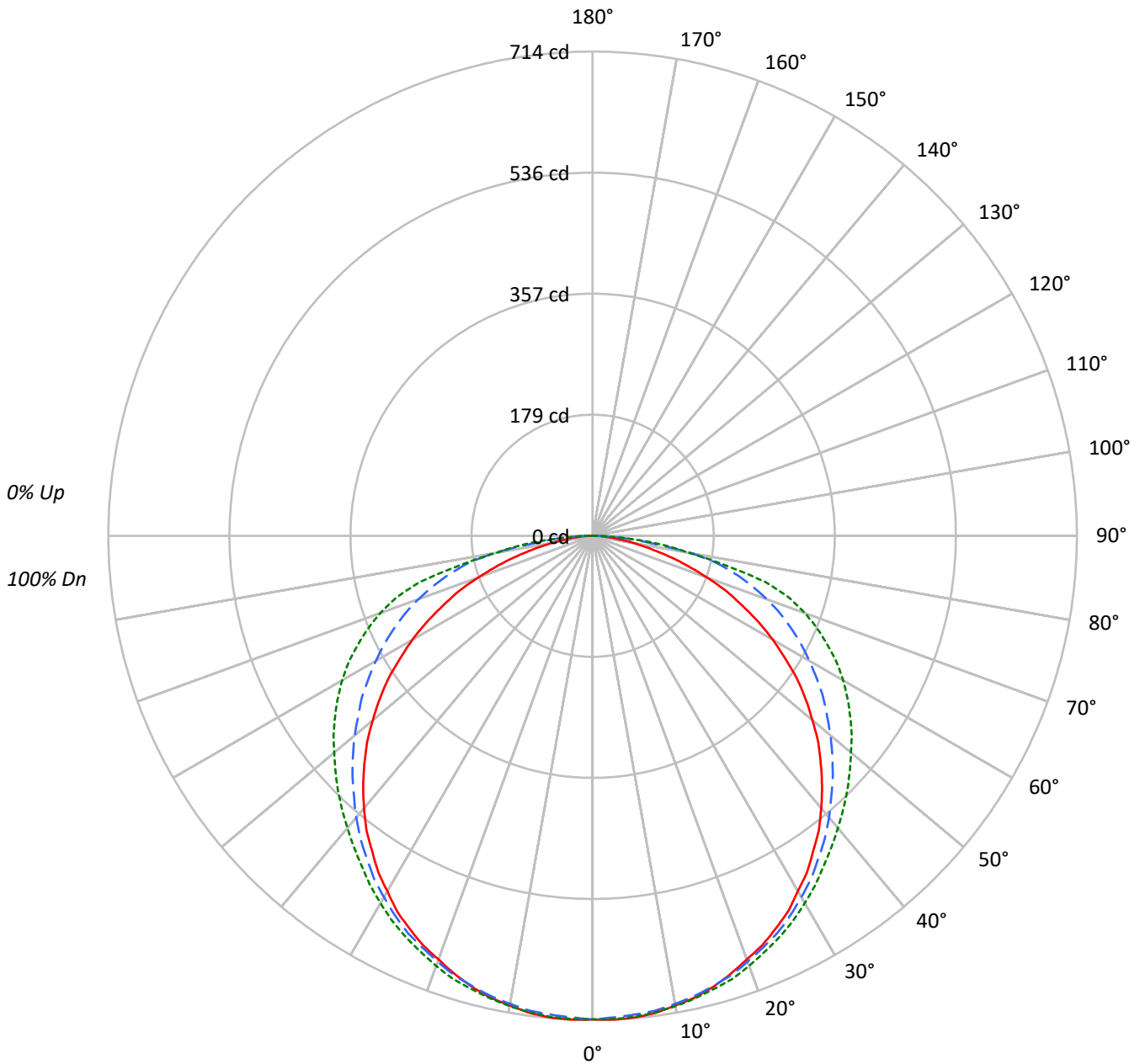
Lumens per Lamp: N/A  
Luminaire Lumens: 2268.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P732171

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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			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°	1007	1007	1007
5°	1010	1004	1009
10°	1008	1004	1009
15°	1006	1004	1011
20°	998	1004	1014
25°	995	1006	1016
30°	986	1003	1019
35°	977	1000	1023
40°	966	999	1036
45°	950	999	1060
50°	929	1005	1092
55°	905	1021	1140
60°	867	1042	1203
65°	811	1078	1277
70°	738	1128	1374
75°	626	1190	1436
80°	494	1197	1161
85°	364	912	1019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	3.0
10°-20°	194.7	8.6
20°-30°	297.8	13.1
30°-40°	364.0	16.0
40°-50°	388.0	17.1
50°-60°	370.9	16.4
60°-70°	314.2	13.9
70°-80°	211.2	9.3
80°-90°	59.6	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°	560.1	24.7
0°-40°	924.1	40.7
0°-60°	1683.0	74.2
0°-90°	2268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2268.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	713	712	709	712	712	68
15°	688	688	687	693	692	194
25°	639	641	646	651	652	295
35°	567	572	580	592	594	355
45°	476	484	501	522	531	367
55°	368	381	415	448	464	328
65°	243	268	323	366	382	241
75°	115	156	218	255	263	123
85°	22	46	56	61	63	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	713.2	713.2	713.2	713.2	713.2
2.5°	714.3	714.3	710.9	713.2	713.2
5°	713.2	712.1	708.8	712.1	712.1
7.5°	709.8	708.8	706.4	709.8	708.8
10°	703.1	703.1	700.9	704.3	704.3
12.5°	697.5	696.4	695.2	699.7	698.6
15°	688.5	688.5	687.3	693.0	691.8
17.5°	677.3	678.4	679.5	683.9	685.1
20°	664.8	667.1	668.2	675.0	675.0
22.5°	653.5	654.8	656.9	663.7	663.7
25°	639.0	641.2	645.7	651.4	652.5
27.5°	624.4	625.5	631.2	639.0	640.1
30°	605.3	608.6	615.3	624.4	625.5
32.5°	588.3	591.7	599.6	608.6	610.8
35°	567.0	571.5	580.4	591.7	594.0
37.5°	547.9	551.3	562.5	574.9	578.3
40°	524.3	530.9	542.2	556.8	562.5
42.5°	500.7	507.3	520.9	540.0	546.8
45°	475.8	483.7	500.7	522.0	530.9
47.5°	451.2	460.1	479.2	503.9	514.1
50°	422.9	434.2	457.8	486.0	497.3
52.5°	396.0	409.5	435.4	466.9	481.5
55°	367.9	381.3	415.1	447.8	463.5
57.5°	336.4	354.3	391.5	428.6	445.5
60°	307.1	323.9	369.0	409.5	426.3
62.5°	275.6	298.2	346.4	389.2	406.1
65°	242.9	267.8	322.8	365.6	382.5
67.5°	213.8	240.8	299.2	342.0	358.9
70°	178.9	212.6	273.3	316.1	333.0
72.5°	146.2	183.4	246.3	288.0	303.7
75°	114.8	156.4	218.3	255.4	263.3
77.5°	85.5	129.4	189.0	204.7	199.1
80°	60.8	103.5	147.3	139.4	142.8
82.5°	39.3	78.8	91.2	103.5	106.9
85°	22.5	46.1	56.3	60.8	62.9
87.5°	10.2	16.8	22.5	22.5	21.4
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)