

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: P732017

Luminaire Tested: **22CZ2-34HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)  
Test Lab: INNOVATIONS CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-34HE-HRP-B2750-W2D-3000K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

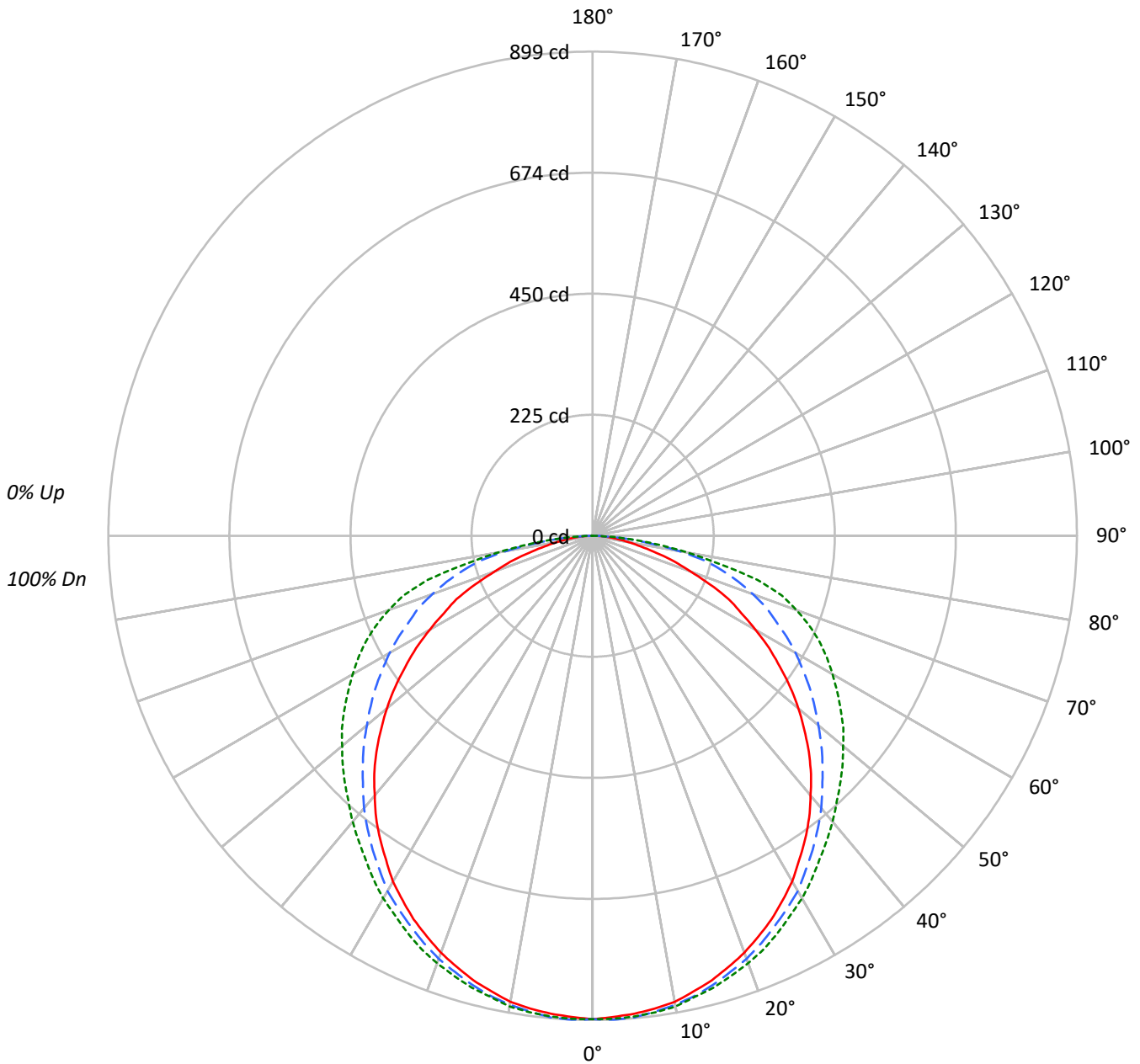
Lumens per Lamp: N/A  
Luminaire Lumens: 2726.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (Ain): 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									
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	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

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

	0°	45°	90°
0°	2547	2547	2547
5°	2537	2557	2552
10°	2532	2547	2557
15°	2511	2536	2551
20°	2487	2524	2550
25°	2460	2503	2546
30°	2429	2496	2547
35°	2383	2466	2543
40°	2331	2446	2567
45°	2278	2422	2609
50°	2201	2414	2680
55°	2102	2433	2782
60°	1981	2469	2918
65°	1871	2516	3118
70°	1597	2625	3338
75°	1339	2733	3469
80°	1096	2641	2894
85°	954	1960	2123



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.1	3.1
10°-20°	243.4	8.9
20°-30°	368.8	13.5
30°-40°	445.3	16.3
40°-50°	467.9	17.2
50°-60°	440.3	16.2
60°-70°	367.1	13.5
70°-80°	243.2	8.9
80°-90°	64.8	2.4
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°	697.2	25.6
0°-40°	1142.6	41.9
0°-60°	2050.8	75.2
0°-90°	2726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	891	892	898	898	896	85
15°	855	858	863	867	868	241
25°	786	791	800	810	813	362
35°	688	695	712	727	734	430
45°	568	576	604	635	650	437
55°	425	444	492	542	562	380
65°	279	303	375	437	464	271
75°	122	170	249	301	316	133
85°	29	45	60	65	65	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	897.6	897.6	897.6	897.6	897.6
2.5°	894.2	896.0	899.4	899.4	897.6
5°	890.8	892.4	897.6	897.6	896.0
7.5°	885.6	887.4	890.8	894.2	892.4
10°	878.7	880.3	884.0	887.4	887.4
12.5°	866.7	868.3	875.3	876.9	876.9
15°	854.7	858.1	863.3	866.7	868.3
17.5°	839.2	842.6	849.4	856.5	856.5
20°	823.7	827.1	835.8	842.6	844.4
22.5°	804.9	809.9	818.5	827.1	830.6
25°	785.8	791.0	799.6	809.9	813.3
27.5°	763.5	768.7	780.8	792.8	794.4
30°	741.2	746.2	761.7	772.1	777.4
32.5°	713.7	720.5	736.0	751.5	756.7
35°	687.8	694.6	711.9	727.4	734.2
37.5°	660.3	667.1	686.2	705.1	713.7
40°	629.4	638.0	660.3	681.0	693.0
42.5°	600.1	608.7	631.0	658.7	670.6
45°	567.6	576.0	603.5	634.6	650.1
47.5°	533.0	543.5	576.0	613.9	629.4
50°	498.7	510.7	546.9	589.8	607.1
52.5°	462.6	478.0	519.4	565.8	586.4
55°	424.8	443.7	491.9	541.7	562.3
57.5°	388.7	405.7	462.6	516.0	538.2
60°	349.1	371.4	435.1	490.1	514.2
62.5°	311.2	335.3	405.7	464.4	490.1
65°	278.7	302.6	374.8	436.9	464.4
67.5°	235.5	268.2	349.1	407.6	435.1
70°	192.5	237.3	316.4	376.6	402.3
72.5°	160.0	203.0	283.7	343.9	368.0
75°	122.1	170.2	249.3	300.9	316.4
77.5°	91.1	140.9	213.2	239.1	240.7
80°	67.1	108.4	161.6	170.2	177.1
82.5°	46.4	75.7	104.8	115.2	118.7
85°	29.3	44.8	60.2	65.2	65.2
87.5°	15.5	17.3	20.7	20.7	20.7
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)