

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: P732016

Luminaire Tested: **22CZ2-34HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732016  
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-2700K  
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

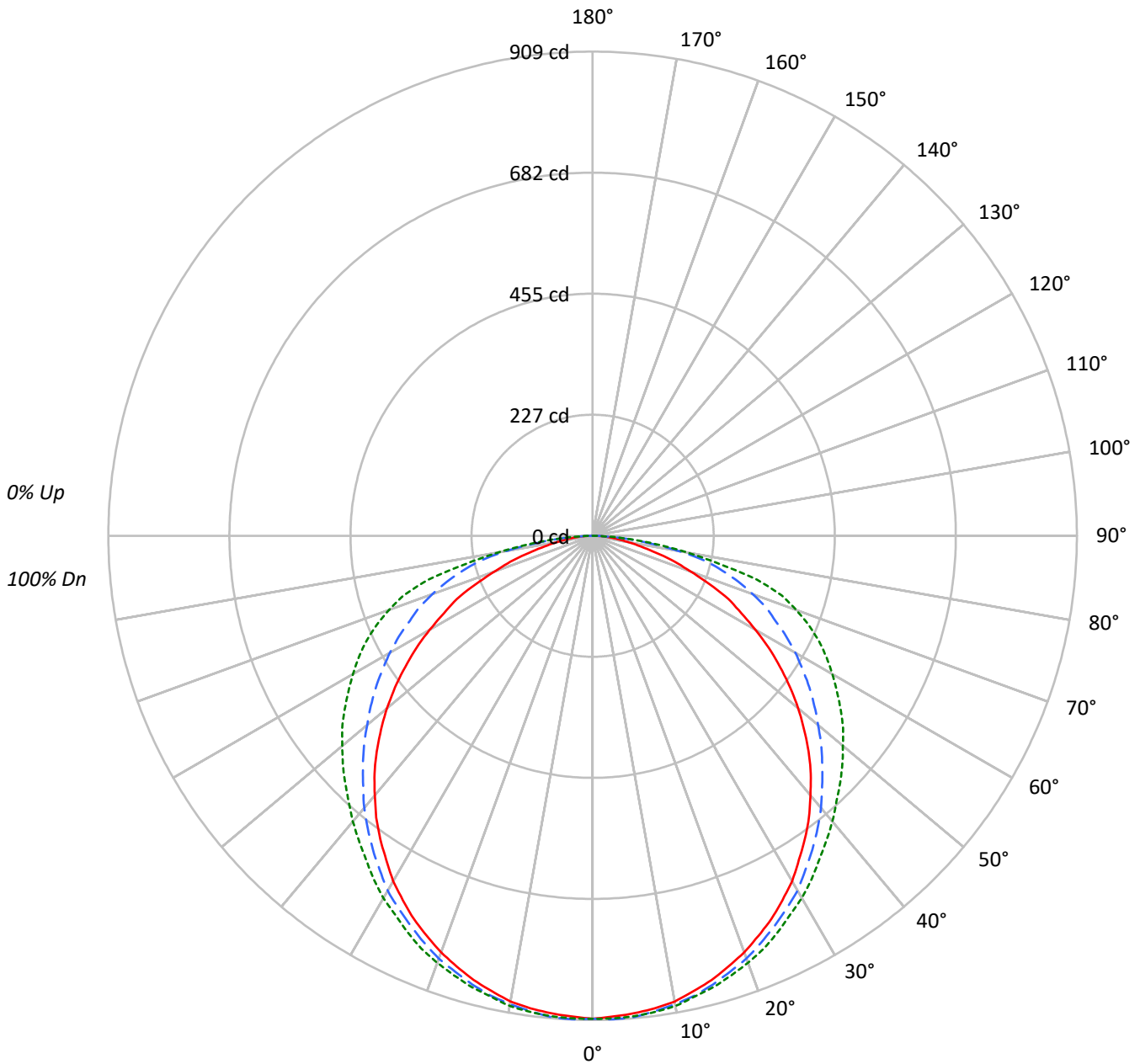
Lumens per Lamp: N/A  
Luminaire Lumens: 2754.0 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
Input Voltage (V): NR  
Input Current (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									
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°	2573	2573	2573
5°	2563	2583	2578
10°	2558	2573	2583
15°	2536	2562	2577
20°	2513	2550	2576
25°	2486	2529	2572
30°	2453	2521	2573
35°	2407	2491	2569
40°	2355	2471	2594
45°	2301	2447	2635
50°	2224	2439	2707
55°	2123	2458	2810
60°	2002	2494	2948
65°	1890	2543	3150
70°	1614	2652	3372
75°	1352	2762	3505
80°	1106	2668	2923
85°	964	1979	2146



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	3.1
10°-20°	245.9	8.9
20°-30°	372.6	13.5
30°-40°	449.9	16.3
40°-50°	472.7	17.2
50°-60°	444.8	16.2
60°-70°	370.9	13.5
70°-80°	245.7	8.9
80°-90°	65.5	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°	704.4	25.6
0°-40°	1154.3	41.9
0°-60°	2071.9	75.2
0°-90°	2754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2754.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	900	902	907	907	905	86
15°	863	867	872	876	877	243
25°	794	799	808	818	822	366
35°	695	702	719	735	742	435
45°	573	582	610	641	657	442
55°	429	448	497	547	568	384
65°	282	306	379	441	469	274
75°	123	172	252	304	320	134
85°	30	45	61	66	66	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	906.8	906.8	906.8	906.8	906.8
2.5°	903.4	905.2	908.7	908.7	906.8
5°	899.9	901.6	906.8	906.8	905.2
7.5°	894.7	896.5	899.9	903.4	901.6
10°	887.8	889.4	893.0	896.5	896.5
12.5°	875.6	877.2	884.3	885.9	885.9
15°	863.4	866.9	872.2	875.6	877.2
17.5°	847.8	851.3	858.2	865.3	865.3
20°	832.2	835.6	844.4	851.3	853.1
22.5°	813.1	818.2	826.9	835.6	839.1
25°	793.9	799.1	807.9	818.2	821.6
27.5°	771.3	776.6	788.8	801.0	802.6
30°	748.8	753.9	769.5	780.1	785.3
32.5°	721.0	727.9	743.6	759.2	764.5
35°	694.9	701.8	719.2	734.8	741.7
37.5°	667.1	674.0	693.3	712.3	721.0
40°	635.9	644.6	667.1	688.0	700.2
42.5°	606.2	615.0	637.5	665.5	677.4
45°	573.4	581.9	609.7	641.1	656.7
47.5°	538.5	549.0	581.9	620.2	635.9
50°	503.8	516.0	552.5	595.9	613.3
52.5°	467.3	482.9	524.7	571.6	592.5
55°	429.2	448.2	496.9	547.2	568.1
57.5°	392.7	409.9	467.3	521.3	543.8
60°	352.7	375.2	439.5	495.1	519.4
62.5°	314.4	338.7	409.9	469.1	495.1
65°	281.5	305.7	378.7	441.3	469.1
67.5°	237.9	271.0	352.7	411.7	439.5
70°	194.5	239.7	319.7	380.5	406.5
72.5°	161.7	205.1	286.6	347.4	371.8
75°	123.3	172.0	251.9	304.0	319.7
77.5°	92.1	142.4	215.4	241.6	243.2
80°	67.7	109.5	163.3	172.0	178.9
82.5°	46.9	76.5	105.9	116.4	119.9
85°	29.6	45.2	60.8	65.9	65.9
87.5°	15.6	17.4	20.9	20.9	20.9
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)