

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: P732042

Luminaire Tested: **22CZ2-39HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732042  
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: 22CZ2-39HE-HRP-B2750-W2D-3000K  
Description: 2X2 3900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

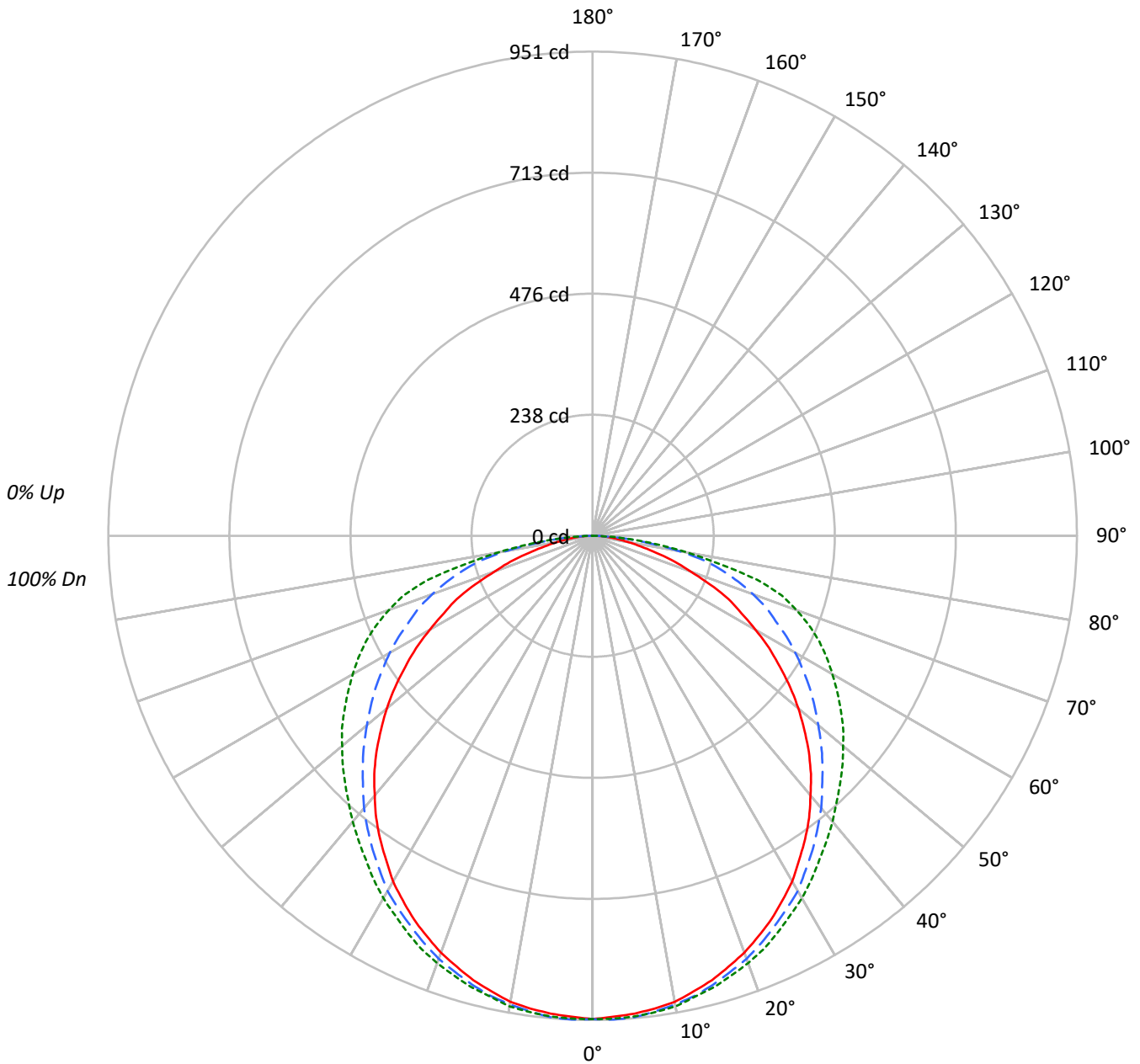
Lumens per Lamp: N/A  
Luminaire Lumens: 2883.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 32  
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°	2694	2694	2694
5°	2683	2704	2699
10°	2678	2694	2704
15°	2655	2682	2698
20°	2631	2669	2697
25°	2602	2648	2693
30°	2568	2640	2694
35°	2520	2608	2690
40°	2465	2587	2715
45°	2409	2561	2759
50°	2328	2553	2835
55°	2223	2573	2942
60°	2095	2611	3086
65°	1979	2662	3297
70°	1689	2776	3530
75°	1415	2891	3668
80°	1159	2793	3061
85°	1009	2074	2246



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	3.1
10°-20°	257.4	8.9
20°-30°	390.1	13.5
30°-40°	471.0	16.3
40°-50°	494.9	17.2
50°-60°	465.7	16.2
60°-70°	388.2	13.5
70°-80°	257.3	8.9
80°-90°	68.6	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°	737.4	25.6
0°-40°	1208.4	41.9
0°-60°	2168.9	75.2
0°-90°	2883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	942	944	949	949	948	90
15°	904	908	913	917	918	255
25°	831	837	846	856	860	383
35°	727	735	753	769	776	455
45°	600	609	638	671	688	462
55°	449	469	520	573	595	402
65°	295	320	396	462	491	287
75°	129	180	264	318	335	140
85°	31	47	64	69	69	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	949.3	949.3	949.3	949.3	949.3
2.5°	945.7	947.6	951.2	951.2	949.3
5°	942.1	943.8	949.3	949.3	947.6
7.5°	936.6	938.5	942.1	945.7	943.8
10°	929.4	931.1	934.9	938.5	938.5
12.5°	916.6	918.3	925.7	927.4	927.4
15°	903.9	907.5	913.0	916.6	918.3
17.5°	887.5	891.1	898.4	905.8	905.8
20°	871.2	874.8	883.9	891.1	893.0
22.5°	851.2	856.5	865.7	874.8	878.4
25°	831.0	836.6	845.7	856.5	860.1
27.5°	807.5	813.0	825.7	838.5	840.2
30°	783.9	789.2	805.6	816.6	822.1
32.5°	754.8	762.0	778.4	794.7	800.3
35°	727.4	734.6	752.9	769.3	776.5
37.5°	698.3	705.6	725.7	745.7	754.8
40°	665.6	674.8	698.3	720.2	733.0
42.5°	634.6	643.8	667.3	696.6	709.2
45°	600.2	609.2	638.3	671.2	687.5
47.5°	563.7	574.8	609.2	649.3	665.6
50°	527.4	540.2	578.4	623.8	642.1
52.5°	489.2	505.5	549.3	598.3	620.2
55°	449.3	469.2	520.2	572.9	594.7
57.5°	411.1	429.1	489.2	545.7	569.2
60°	369.2	392.8	460.1	518.3	543.8
62.5°	329.1	354.6	429.1	491.1	518.3
65°	294.7	320.0	396.4	462.0	491.1
67.5°	249.1	283.7	369.2	431.0	460.1
70°	203.6	251.0	334.6	398.3	425.5
72.5°	169.2	214.7	300.0	363.7	389.2
75°	129.1	180.1	263.7	318.3	334.6
77.5°	96.4	149.1	225.5	252.9	254.6
80°	70.9	114.7	170.9	180.1	187.3
82.5°	49.0	80.0	110.8	121.9	125.5
85°	31.0	47.3	63.7	69.0	69.0
87.5°	16.3	18.3	21.9	21.9	21.9
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)