

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: P732002

Luminaire Tested: **22CZ2-29HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-29HE-S-B2750-W2D-3000K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

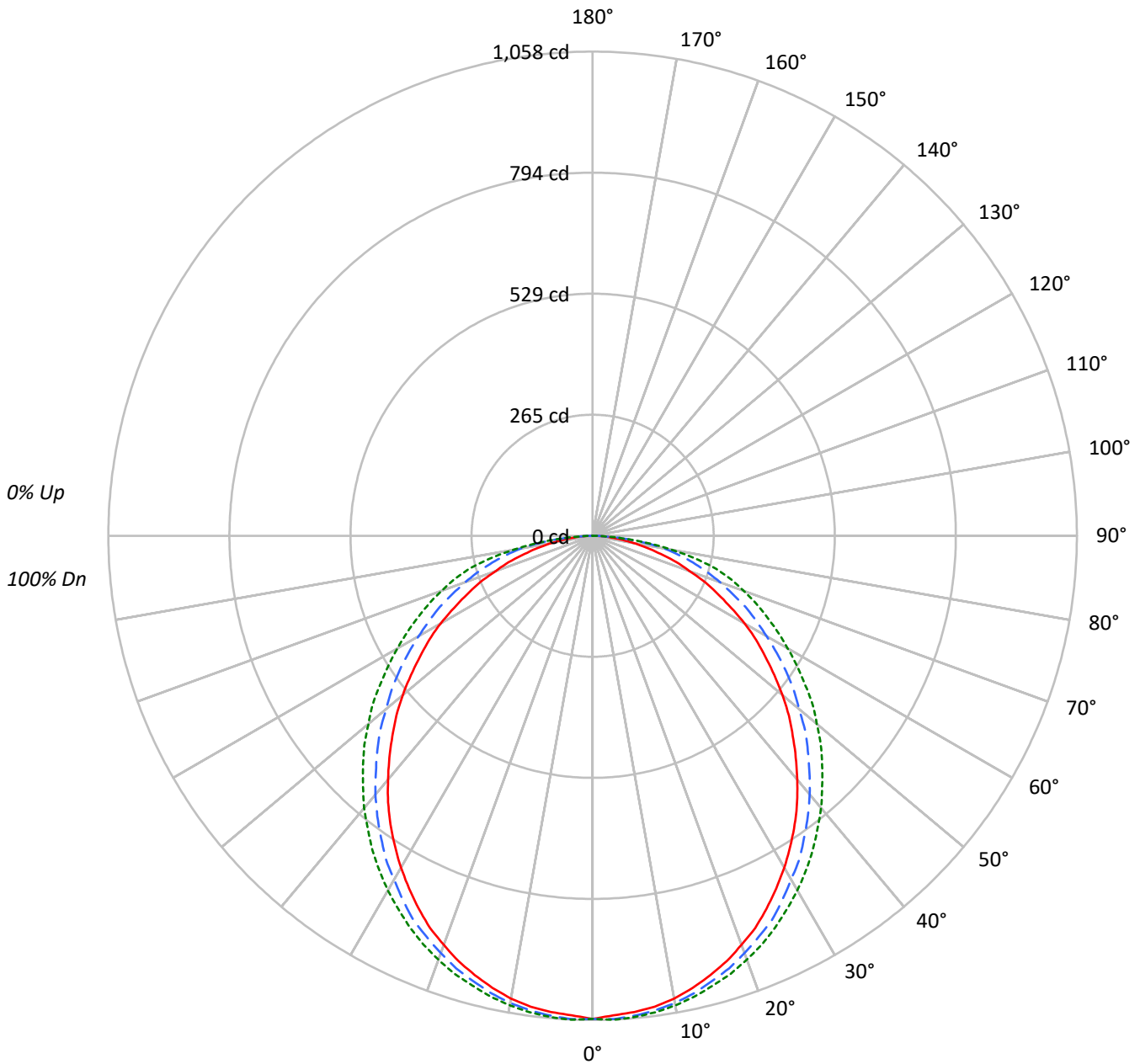
Lumens per Lamp: N/A  
Luminaire Lumens: 2946.0 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43																			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37																			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24																			

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

	0°	45°	90°
0°	2996	2996	2996
5°	2976	2999	3007
10°	2959	2986	3002
15°	2920	2960	2988
20°	2872	2930	2976
25°	2815	2901	2956
30°	2743	2842	2932
35°	2667	2790	2905
40°	2576	2734	2876
45°	2482	2669	2846
50°	2390	2597	2822
55°	2278	2550	2802
60°	2176	2489	2793
65°	2031	2474	2824
70°	1870	2452	2908
75°	1687	2486	3060
80°	1459	2561	2874
85°	1208	2146	2146



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	3.4
10°-20°	284.1	9.6
20°-30°	425.1	14.4
30°-40°	503.4	17.1
40°-50°	513.0	17.4
50°-60°	459.8	15.6
60°-70°	360.0	12.2
70°-80°	232.2	7.9
80°-90°	68.6	2.3
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°	809.0	27.5
0°-40°	1312.4	44.5
0°-60°	2285.3	77.6
0°-90°	2946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1045	1047	1053	1054	1056	99
15°	994	999	1008	1016	1017	280
25°	899	907	926	939	944	414
35°	770	779	806	830	838	481
45°	618	632	665	700	709	478
55°	460	476	516	551	566	413
65°	302	320	368	404	421	300
75°	154	177	227	265	279	165
85°	37	51	66	66	66	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1048.7	1051.5	1057.0	1058.5	1058.5
5°	1044.7	1047.4	1052.8	1054.3	1055.7
7.5°	1037.8	1039.1	1046.0	1048.7	1050.2
10°	1026.8	1029.5	1036.4	1040.6	1041.9
12.5°	1011.6	1015.7	1024.0	1029.5	1031.0
15°	993.9	999.3	1007.5	1015.7	1017.2
17.5°	974.5	980.1	991.1	1000.7	1003.5
20°	951.1	958.1	970.3	981.4	985.6
22.5°	927.8	933.2	948.5	962.2	966.4
25°	899.0	907.2	926.5	938.9	944.3
27.5°	868.6	878.3	897.6	914.0	919.5
30°	837.2	846.8	867.3	888.0	894.8
32.5°	804.0	815.1	839.8	860.5	867.3
35°	769.8	779.4	805.5	830.2	838.5
37.5°	734.0	742.3	772.6	798.6	806.9
40°	695.5	706.5	738.1	768.4	776.5
42.5°	656.9	669.4	701.0	734.0	742.3
45°	618.5	632.3	665.2	699.7	709.3
47.5°	581.4	592.3	629.6	662.6	676.3
50°	541.5	552.6	588.4	625.5	639.2
52.5°	500.2	515.5	553.9	589.7	606.1
55°	460.5	475.6	515.5	551.3	566.3
57.5°	423.4	435.6	476.9	514.0	529.2
60°	383.5	394.6	438.5	478.4	492.1
62.5°	340.9	357.3	402.7	439.8	456.4
65°	302.5	320.2	368.4	404.2	420.6
67.5°	266.7	283.1	330.0	368.4	386.3
70°	225.4	247.5	295.5	333.9	350.5
72.5°	192.5	211.7	261.2	299.7	317.5
75°	153.9	177.2	226.8	265.4	279.1
77.5°	122.4	145.8	192.5	222.6	229.6
80°	89.3	112.6	156.7	171.8	175.9
82.5°	60.5	82.5	112.6	116.8	118.3
85°	37.1	50.9	65.9	65.9	65.9
87.5°	17.9	20.5	23.4	22.0	22.0
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)