

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: P732001

Luminaire Tested: **22CZ2-29HE-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732001  
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-2700K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

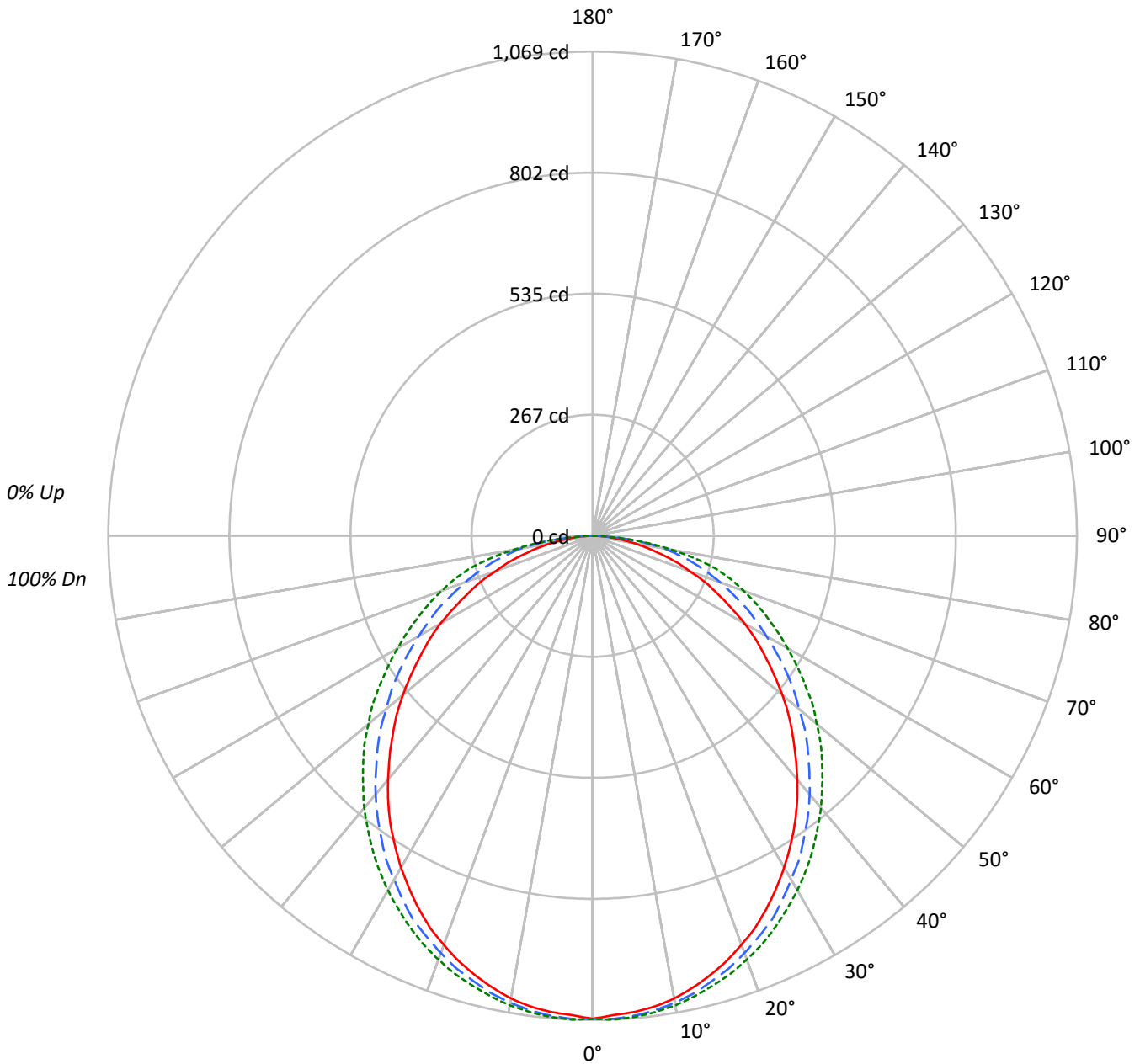
Lumens per Lamp: N/A  
Luminaire Lumens: 2976.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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°	3026	3026	3026
5°	3006	3030	3038
10°	2989	3017	3033
15°	2949	2990	3019
20°	2901	2960	3006
25°	2843	2930	2987
30°	2771	2871	2962
35°	2694	2819	2934
40°	2603	2762	2906
45°	2507	2697	2875
50°	2415	2624	2850
55°	2301	2576	2830
60°	2199	2513	2821
65°	2051	2498	2853
70°	1889	2476	2938
75°	1705	2512	3092
80°	1474	2587	2904
85°	1221	2168	2168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.8	3.4
10°-20°	287.0	9.6
20°-30°	429.4	14.4
30°-40°	508.5	17.1
40°-50°	518.3	17.4
50°-60°	464.5	15.6
60°-70°	363.7	12.2
70°-80°	234.5	7.9
80°-90°	69.3	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°	817.3	27.5
0°-40°	1325.8	44.5
0°-60°	2308.5	77.6
0°-90°	2976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2976.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1055	1058	1064	1065	1066	100
15°	1004	1010	1018	1026	1028	283
25°	908	916	936	948	954	418
35°	778	787	814	839	847	486
45°	625	639	672	707	716	482
55°	465	480	521	557	572	417
65°	306	324	372	408	425	303
75°	156	179	229	268	282	167
85°	38	51	67	67	67	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1066.4	1066.4	1066.4	1066.4	1066.4
2.5°	1059.4	1062.2	1067.7	1069.3	1069.3
5°	1055.4	1058.0	1063.6	1065.1	1066.4
7.5°	1048.3	1049.7	1056.7	1059.4	1060.9
10°	1037.3	1040.0	1047.0	1051.2	1052.5
12.5°	1021.9	1026.1	1034.4	1040.0	1041.5
15°	1004.0	1009.5	1017.7	1026.1	1027.6
17.5°	984.4	990.1	1001.1	1010.9	1013.7
20°	960.8	967.8	980.2	991.4	995.6
22.5°	937.2	942.7	958.1	972.0	976.2
25°	908.1	916.5	935.9	948.4	954.0
27.5°	877.5	887.2	906.8	923.3	928.9
30°	845.7	855.4	876.1	897.1	903.9
32.5°	812.2	823.4	848.4	869.3	876.1
35°	777.6	787.3	813.7	838.7	847.0
37.5°	741.4	749.8	780.4	806.7	815.1
40°	702.6	713.7	745.6	776.3	784.5
42.5°	663.6	676.2	708.1	741.4	749.8
45°	624.8	638.7	672.0	706.8	716.5
47.5°	587.3	598.4	636.0	669.3	683.2
50°	547.0	558.2	594.4	631.8	645.7
52.5°	505.3	520.7	559.6	595.7	612.3
55°	465.2	480.4	520.7	556.9	572.1
57.5°	427.7	440.1	481.7	519.2	534.6
60°	387.4	398.6	442.9	483.3	497.1
62.5°	344.4	360.9	406.8	444.3	461.0
65°	305.5	323.5	372.1	408.3	424.9
67.5°	269.4	286.0	333.3	372.1	390.2
70°	227.7	250.0	298.5	337.3	354.1
72.5°	194.4	213.9	263.9	302.7	320.8
75°	155.5	179.0	229.1	268.1	282.0
77.5°	123.7	147.3	194.4	224.9	231.9
80°	90.2	113.8	158.3	173.5	177.7
82.5°	61.1	83.3	113.8	118.0	119.5
85°	37.5	51.4	66.6	66.6	66.6
87.5°	18.1	20.7	23.6	22.3	22.3
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)