

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: P731986

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P271965)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-29HE-B2750-W2D-2700K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

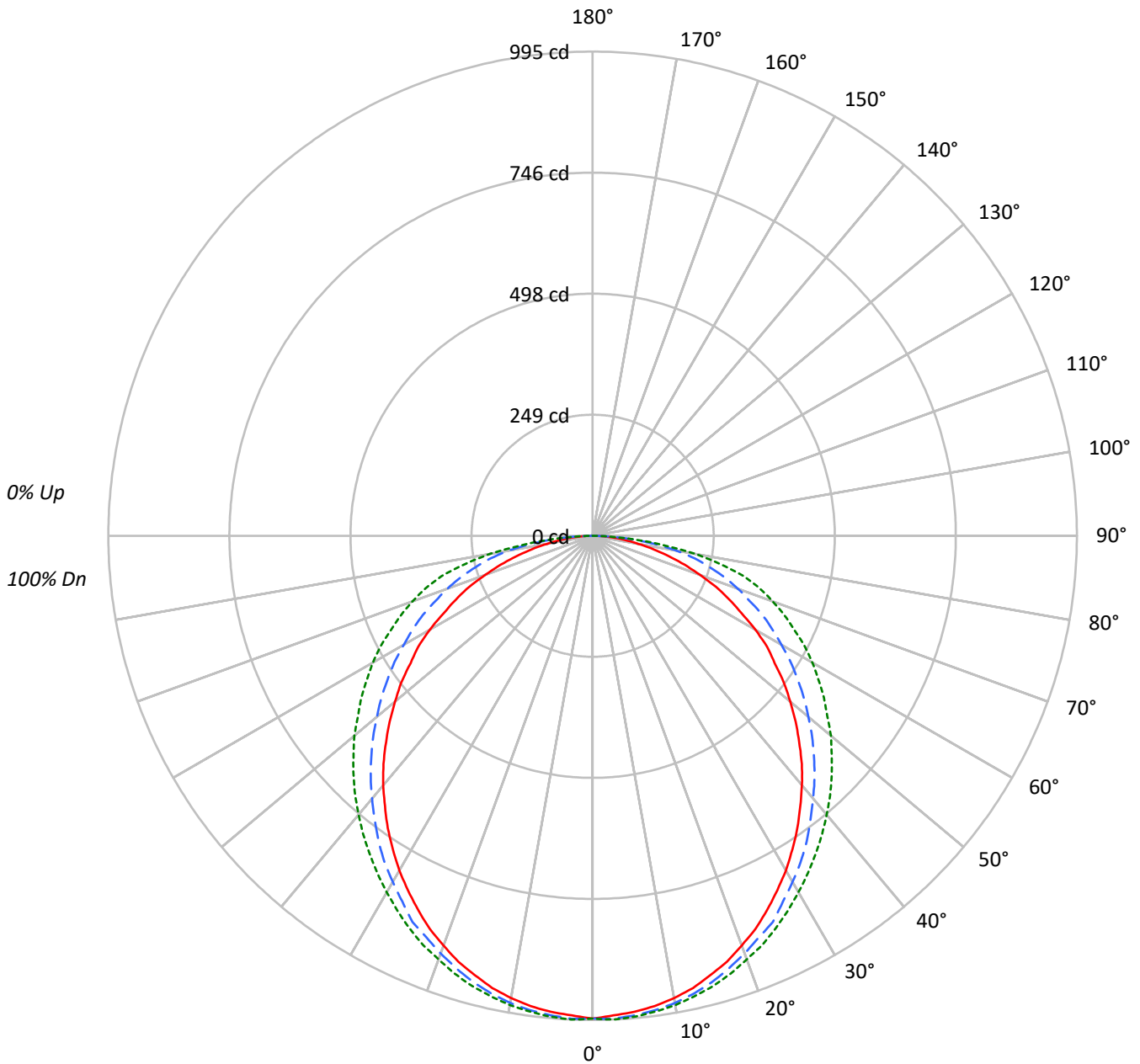
Lumens per Lamp: N/A  
Luminaire Lumens: 2918.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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				20				
RC	80				70				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	86	84	82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56			
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48			
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41			
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36			
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32			
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25			
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23			

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

	0°	45°	90°
0°	2815	2815	2815
5°	2797	2818	2826
10°	2780	2809	2821
15°	2746	2788	2813
20°	2705	2758	2796
25°	2657	2742	2787
30°	2602	2691	2771
35°	2541	2656	2766
40°	2478	2611	2771
45°	2409	2581	2789
50°	2339	2554	2821
55°	2259	2543	2869
60°	2192	2542	2958
65°	2082	2584	3066
70°	1942	2632	3265
75°	1779	2724	3527
80°	1549	2838	3472
85°	1358	2523	2761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	3.2
10°-20°	267.3	9.2
20°-30°	401.2	13.7
30°-40°	479.4	16.4
40°-50°	498.5	17.1
50°-60°	462.0	15.8
60°-70°	379.0	13.0
70°-80°	256.2	8.8
80°-90°	80.5	2.8
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°	762.3	26.1
0°-40°	1241.7	42.6
0°-60°	2202.3	75.5
0°-90°	2918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	982	984	989	991	992	93
15°	935	939	949	955	958	264
25°	848	856	876	886	890	391
35°	734	744	767	790	798	459
45°	600	612	643	680	695	463
55°	457	471	514	560	580	410
65°	310	327	385	435	457	307
75°	162	190	248	299	322	172
85°	42	57	78	86	85	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	992.1	992.1	992.1	992.1	992.1
2.5°	986.4	989.2	993.5	995.1	995.1
5°	982.1	983.5	989.2	990.8	992.1
7.5°	974.8	977.8	983.5	985.1	986.4
10°	964.8	967.8	974.8	977.8	979.2
12.5°	952.0	954.8	963.4	967.8	969.1
15°	934.7	939.0	949.1	954.8	957.7
17.5°	917.6	921.7	931.9	940.4	943.4
20°	895.9	906.0	913.2	924.7	926.1
22.5°	874.5	880.2	893.0	904.6	910.3
25°	848.5	855.8	875.9	885.9	890.2
27.5°	821.4	831.4	847.2	862.9	868.6
30°	794.0	801.1	821.4	839.9	845.8
32.5°	763.9	774.0	795.4	814.1	822.8
35°	733.6	743.7	766.7	789.7	798.4
37.5°	700.8	712.2	735.2	762.4	774.0
40°	669.1	677.8	704.9	738.0	748.0
42.5°	636.1	646.1	674.8	710.8	722.2
45°	600.2	611.7	643.3	680.5	694.9
47.5°	565.6	577.2	611.7	649.0	666.2
50°	529.8	544.2	578.6	621.7	639.0
52.5°	495.4	508.4	547.1	591.6	607.3
55°	456.6	471.0	514.1	559.9	580.0
57.5°	425.0	435.0	482.4	529.8	549.9
60°	386.2	399.2	448.0	498.2	521.2
62.5°	344.7	366.1	416.3	468.0	491.1
65°	310.1	327.4	384.8	435.0	456.6
67.5°	274.3	292.9	348.8	402.1	426.5
70°	234.1	258.5	317.3	370.5	393.5
72.5°	198.1	224.1	284.3	336.0	360.4
75°	162.3	189.5	248.5	298.6	321.7
77.5°	127.9	158.0	215.4	254.2	268.5
80°	94.8	123.5	173.7	201.1	212.5
82.5°	66.1	90.5	127.9	142.2	145.0
85°	41.7	57.4	77.5	86.2	84.8
87.5°	18.7	23.0	28.7	31.7	30.1
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)