

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: P732007

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)  
Test Lab: INNOVATIONS CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-29HE-SQR-B2750-W2D-3000K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

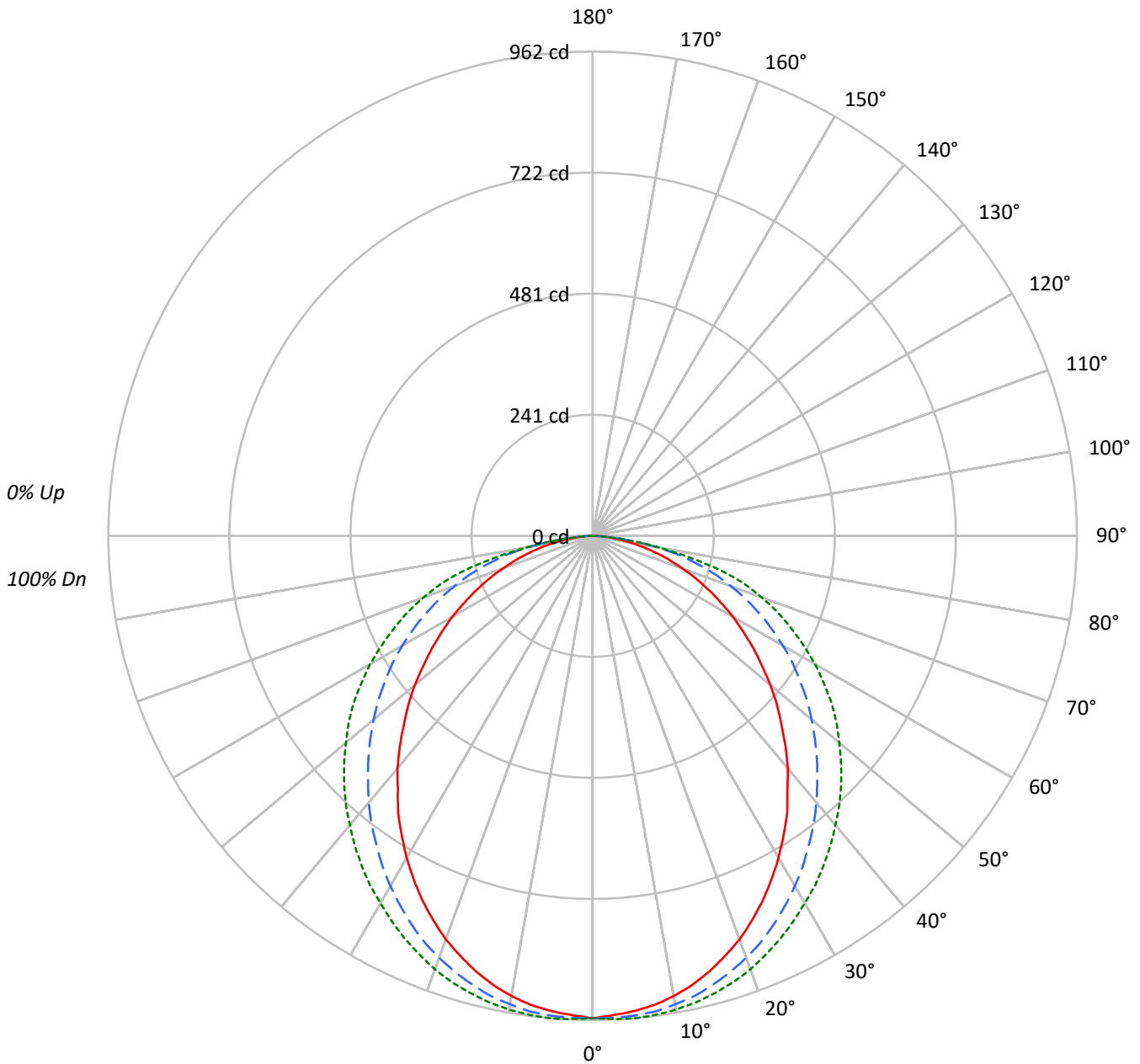
Lumens per Lamp: N/A  
Luminaire Lumens: 2744.0 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P732007

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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	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	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

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

	0°	45°	90°
0°	2720	2720	2720
5°	2700	2726	2742
10°	2676	2724	2754
15°	2632	2713	2762
20°	2576	2694	2768
25°	2503	2667	2764
30°	2420	2633	2761
35°	2333	2594	2770
40°	2234	2562	2778
45°	2127	2529	2801
50°	2035	2507	2823
55°	1927	2487	2867
60°	1826	2476	2897
65°	1705	2457	2921
70°	1567	2420	2960
75°	1414	2357	2856
80°	1214	2085	2150
85°	977	1234	977



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.9	3.3
10°-20°	259.8	9.5
20°-30°	390.2	14.2
30°-40°	465.4	17.0
40°-50°	481.2	17.5
50°-60°	442.4	16.1
60°-70°	352.2	12.8
70°-80°	215.2	7.8
80°-90°	46.8	1.7
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°	740.9	27.0
0°-40°	1206.3	44.0
0°-60°	2129.8	77.6
0°-90°	2744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2744.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	948	951	957	961	962	90
15°	896	906	923	936	940	252
25°	800	819	852	875	883	368
35°	673	702	749	788	800	420
45°	530	568	630	681	698	410
55°	390	432	503	560	580	348
65°	254	297	366	417	435	252
75°	129	167	215	253	260	137
85°	30	36	38	33	30	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	958.5	958.5	958.5	958.5	958.5
2.5°	953.3	954.6	958.5	961.1	961.1
5°	948.0	950.7	957.2	961.1	962.5
7.5°	940.2	944.2	953.3	958.5	959.9
10°	928.6	933.8	945.4	953.3	955.9
12.5°	914.2	922.0	936.4	946.8	949.4
15°	896.0	906.4	923.4	936.4	940.2
17.5°	875.1	888.1	909.0	924.6	929.8
20°	853.1	866.1	892.1	910.4	916.8
22.5°	827.0	843.9	873.9	894.7	899.9
25°	799.6	819.2	851.7	875.1	882.9
27.5°	769.7	793.2	828.2	856.9	863.5
30°	738.5	763.1	803.6	834.8	842.6
32.5°	705.8	734.5	777.5	812.6	823.0
35°	673.4	702.0	748.9	788.0	799.6
37.5°	635.5	669.4	721.5	761.9	776.1
40°	603.0	635.5	691.6	735.9	750.1
42.5°	566.6	601.6	660.3	708.4	725.4
45°	530.1	567.8	630.3	681.2	698.0
47.5°	496.2	533.9	599.0	652.5	669.4
50°	461.0	500.1	567.8	622.5	639.5
52.5°	423.3	466.2	536.5	591.2	610.8
55°	389.5	432.4	502.7	560.0	579.6
57.5°	354.2	398.5	471.4	526.1	544.3
60°	321.7	364.6	436.3	489.6	510.5
62.5°	286.5	330.8	401.1	453.2	472.8
65°	254.0	296.9	366.0	416.7	435.0
67.5°	221.4	264.4	329.6	377.7	398.5
70°	188.9	231.8	291.7	338.6	356.8
72.5°	160.3	197.9	255.2	298.3	315.1
75°	129.0	166.7	215.0	252.6	260.5
77.5°	100.4	134.2	174.5	191.5	194.1
80°	74.3	100.4	127.6	131.6	131.6
82.5°	49.5	69.1	79.5	80.7	79.5
85°	30.0	36.5	37.9	32.6	30.0
87.5°	10.4	10.4	6.6	4.0	1.4
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)