

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: P732006

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732006  
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-2700K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

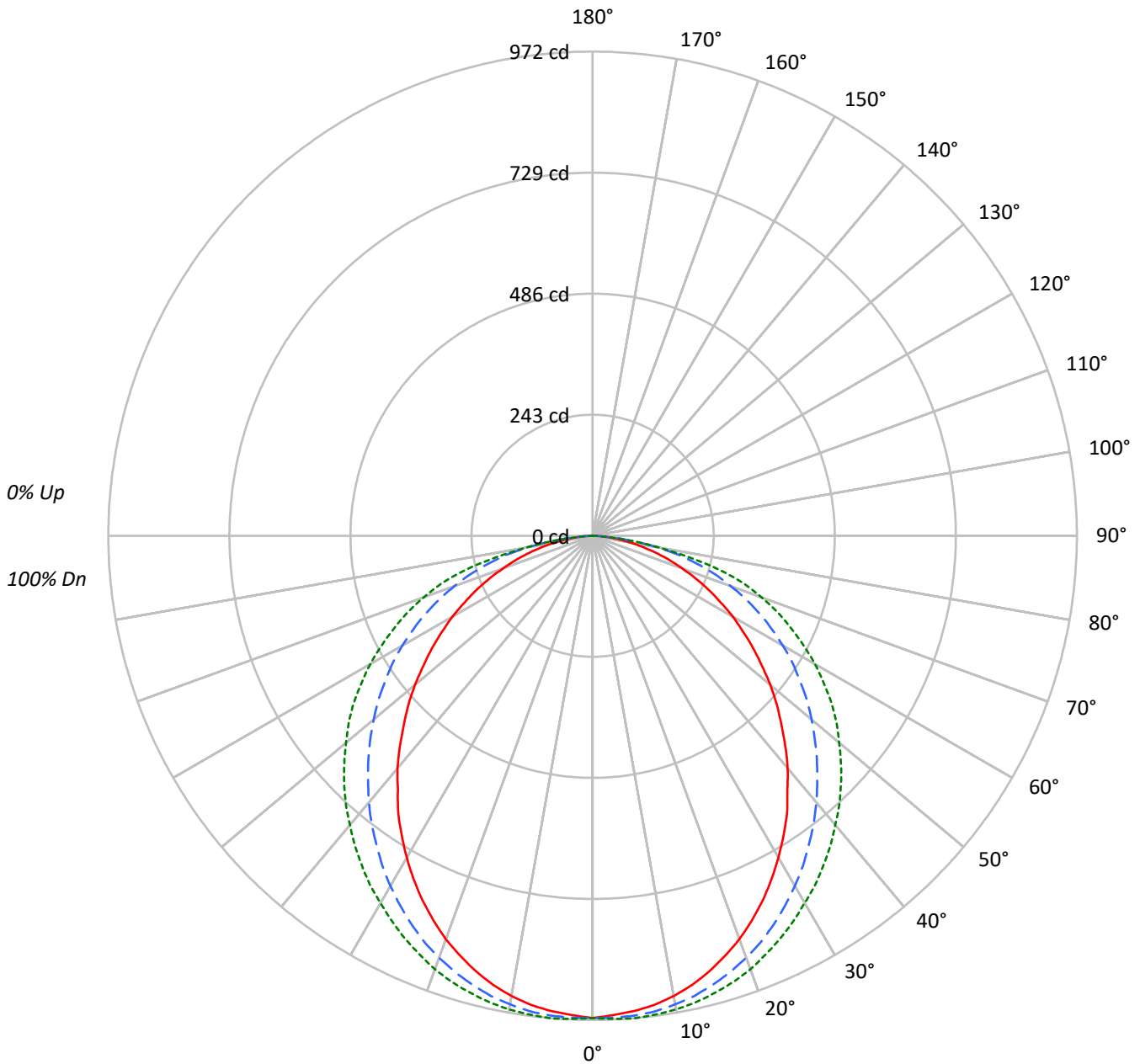
Lumens per Lamp: N/A  
Luminaire Lumens: 2772.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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: P732006

CATALOG NUMBER: 22CZ2-29HE-SQR-B2750-W2D-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P732006

CATALOG NUMBER: 22CZ2-29HE-SQR-B2750-W2D-2700K

**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°	2747	2747	2747
5°	2728	2754	2769
10°	2703	2752	2782
15°	2659	2740	2790
20°	2602	2721	2796
25°	2529	2694	2792
30°	2444	2660	2789
35°	2356	2621	2798
40°	2257	2588	2807
45°	2149	2555	2829
50°	2056	2532	2852
55°	1946	2512	2897
60°	1844	2502	2927
65°	1723	2483	2950
70°	1583	2445	2991
75°	1429	2381	2884
80°	1227	2106	2173
85°	986	1244	986



TEST NUMBER: P732006

CATALOG NUMBER: 22CZ2-29HE-SQR-B2750-W2D-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.8	3.3
10°-20°	262.5	9.5
20°-30°	394.2	14.2
30°-40°	470.1	17.0
40°-50°	486.1	17.5
50°-60°	446.9	16.1
60°-70°	355.8	12.8
70°-80°	217.4	7.8
80°-90°	47.3	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°	748.4	27.0
0°-40°	1218.6	44.0
0°-60°	2151.6	77.6
0°-90°	2772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	958	960	967	971	972	91
15°	905	916	933	946	950	255
25°	808	828	860	884	892	372
35°	680	709	756	796	808	424
45°	536	574	637	688	705	414
55°	393	437	508	566	586	352
65°	257	300	370	421	439	254
75°	130	168	217	255	263	139
85°	30	37	38	33	30	35
90°	0	0	0	0	0	



TEST NUMBER: P732006

CATALOG NUMBER: 22CZ2-29HE-SQR-B2750-W2D-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	968.2	968.2	968.2	968.2	968.2
2.5°	963.0	964.4	968.2	970.9	970.9
5°	957.7	960.4	967.0	970.9	972.3
7.5°	949.8	953.9	963.0	968.2	969.6
10°	938.1	943.3	955.1	963.0	965.6
12.5°	923.5	931.4	946.0	956.5	959.1
15°	905.1	915.6	932.8	946.0	949.8
17.5°	884.0	897.2	918.3	934.0	939.3
20°	861.8	874.9	901.2	919.7	926.1
22.5°	835.5	852.5	882.8	903.9	909.1
25°	807.7	827.6	860.4	884.0	891.9
27.5°	777.6	801.3	836.7	865.6	872.3
30°	746.0	770.9	811.8	843.4	851.2
32.5°	713.0	742.0	785.5	820.9	831.4
35°	680.2	709.2	756.5	796.0	807.7
37.5°	642.0	676.2	728.8	769.7	784.1
40°	609.2	642.0	698.6	743.4	757.8
42.5°	572.4	607.8	667.1	715.7	732.8
45°	535.5	573.6	636.7	688.1	705.1
47.5°	501.3	539.4	605.2	659.2	676.2
50°	465.7	505.2	573.6	628.8	646.0
52.5°	427.6	471.0	542.0	597.3	617.1
55°	393.4	436.8	507.8	565.7	585.5
57.5°	357.8	402.6	476.2	531.5	549.9
60°	325.0	368.4	440.8	494.6	515.7
62.5°	289.4	334.1	405.2	457.8	477.6
65°	256.6	299.9	369.8	421.0	439.4
67.5°	223.6	267.1	332.9	381.5	402.6
70°	190.8	234.2	294.7	342.0	360.5
72.5°	161.9	200.0	257.8	301.3	318.4
75°	130.3	168.4	217.2	255.2	263.1
77.5°	101.4	135.6	176.3	193.5	196.1
80°	75.1	101.4	128.9	133.0	133.0
82.5°	50.0	69.8	80.3	81.6	80.3
85°	30.3	36.8	38.2	33.0	30.3
87.5°	10.5	10.5	6.7	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)