

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: P731996

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-29HE-RDP-B2750-W2D-2700K  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

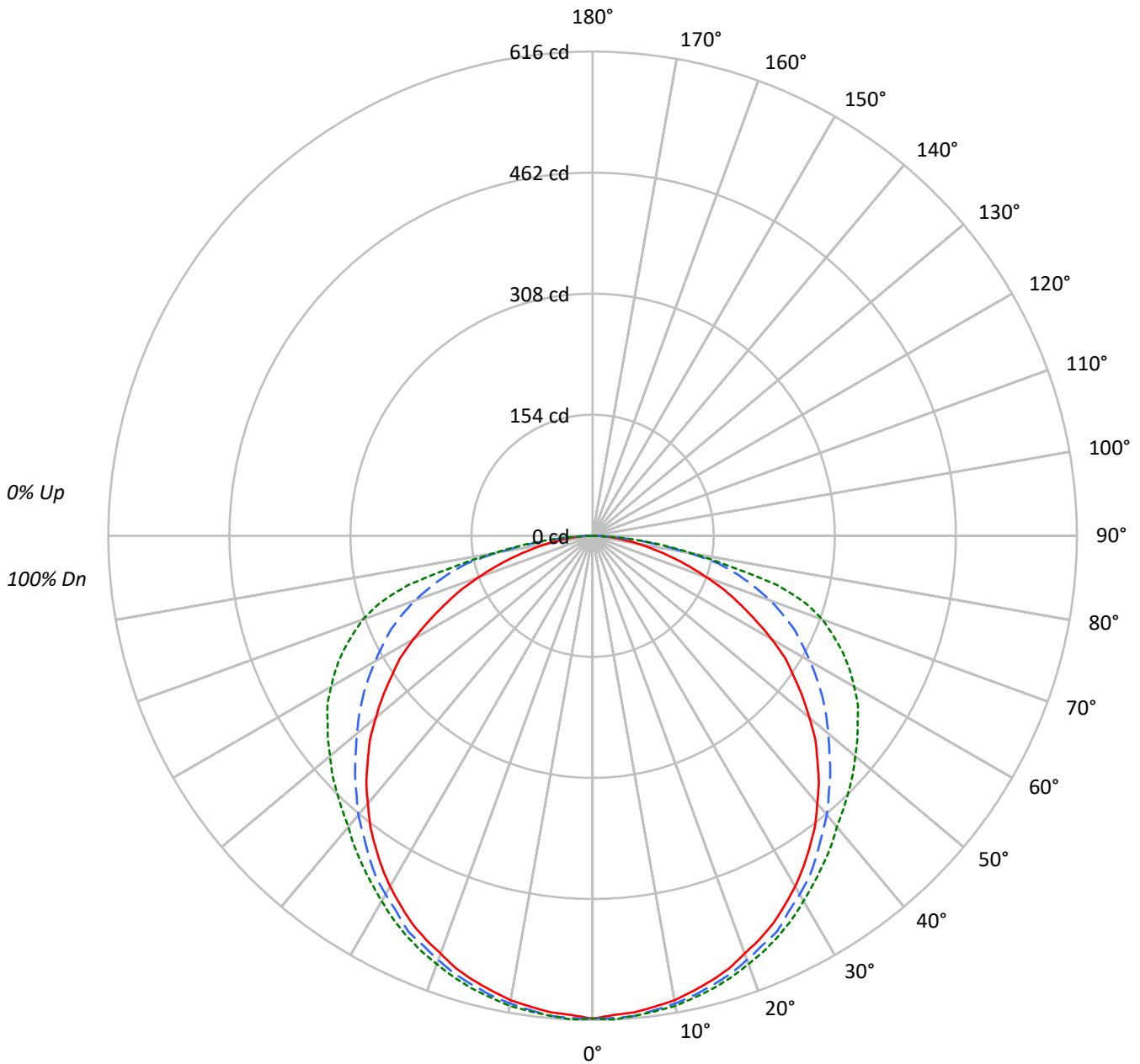
Lumens per Lamp: N/A  
Luminaire Lumens: 1956.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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				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				100
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67				67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55				55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47				47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35				35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31				31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27				27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

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

	0°	45°	90°
0°	1743	1743	1743
5°	1734	1746	1746
10°	1729	1741	1750
15°	1720	1738	1750
20°	1708	1734	1751
25°	1703	1739	1757
30°	1688	1726	1758
35°	1670	1720	1770
40°	1647	1716	1791
45°	1622	1715	1848
50°	1588	1727	1925
55°	1545	1765	2036
60°	1494	1813	2180
65°	1392	1903	2357
70°	1277	1994	2578
75°	1120	2097	2665
80°	962	1998	2093
85°	840	1449	1592



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.1	3.0
10°-20°	166.9	8.5
20°-30°	254.6	13.0
30°-40°	310.9	15.9
40°-50°	332.4	17.0
50°-60°	320.8	16.4
60°-70°	276.2	14.1
70°-80°	186.8	9.6
80°-90°	49.3	2.5
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°	479.6	24.5
0°-40°	790.5	40.4
0°-60°	1443.7	73.8
0°-90°	1956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	609	610	613	613	613	58
15°	586	587	592	594	596	165
25°	544	547	555	558	561	250
35°	482	486	496	506	511	302
45°	404	412	427	449	460	312
55°	312	322	357	393	412	280
65°	207	227	284	328	351	206
75°	102	135	191	230	243	110
85°	26	36	44	46	49	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	614.3	614.3	614.3	614.3	<i>614.3</i>
2.5°	<i>610.2</i>	<i>611.6</i>	<i>614.3</i>	<i>614.3</i>	<i>615.9</i>
5°	608.6	610.2	613.0	613.0	<i>613.0</i>
7.5°	604.3	605.8	608.6	610.2	<i>610.2</i>
10°	600.0	601.5	604.3	605.8	<i>607.2</i>
12.5°	592.9	594.2	598.6	601.5	<i>601.5</i>
15°	585.6	587.1	591.5	594.2	<i>595.8</i>
17.5°	577.1	579.9	584.2	587.1	<i>588.5</i>
20°	565.5	568.4	574.1	578.5	<i>579.9</i>
22.5°	555.4	558.4	564.1	568.4	<i>571.2</i>
25°	544.0	546.8	555.4	558.4	<i>561.1</i>
27.5°	529.6	532.4	539.6	545.4	<i>549.7</i>
30°	515.2	518.0	526.7	533.8	<i>536.7</i>
32.5°	499.3	503.6	513.7	519.4	<i>523.7</i>
35°	482.1	486.3	496.5	506.5	<i>510.9</i>
37.5°	464.8	469.1	479.2	492.2	<i>497.9</i>
40°	444.7	450.4	463.4	480.6	<i>483.5</i>
42.5°	426.0	433.1	444.7	464.8	<i>471.9</i>
45°	404.3	411.6	427.4	449.0	<i>460.5</i>
47.5°	384.2	391.3	408.6	434.6	<i>449.0</i>
50°	359.8	369.8	391.3	421.6	<i>436.0</i>
52.5°	336.7	345.4	374.2	407.3	<i>424.4</i>
55°	312.3	322.3	356.8	392.9	<i>411.6</i>
57.5°	290.6	299.3	338.1	378.5	<i>400.0</i>
60°	263.2	274.9	319.4	362.5	<i>384.2</i>
62.5°	234.5	251.8	300.7	345.4	<i>368.4</i>
65°	207.3	227.4	283.5	328.1	<i>351.1</i>
67.5°	182.7	204.3	261.9	309.3	<i>331.0</i>
70°	153.9	181.3	240.4	286.3	<i>310.7</i>
72.5°	128.1	158.2	215.8	261.9	<i>283.5</i>
75°	102.2	135.2	191.3	230.3	<i>243.1</i>
77.5°	79.2	110.7	164.1	175.6	<i>176.9</i>
80°	58.9	87.7	122.3	123.7	<i>128.1</i>
82.5°	40.2	61.9	79.2	86.3	<i>87.7</i>
85°	25.8	36.0	44.5	46.1	<i>48.9</i>
87.5°	11.4	13.0	15.8	14.4	<i>14.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)