

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: P842925

Luminaire Tested: **22CZ2-29HE-RDP-UNV-B50**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P842925  
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-UNV-B50  
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

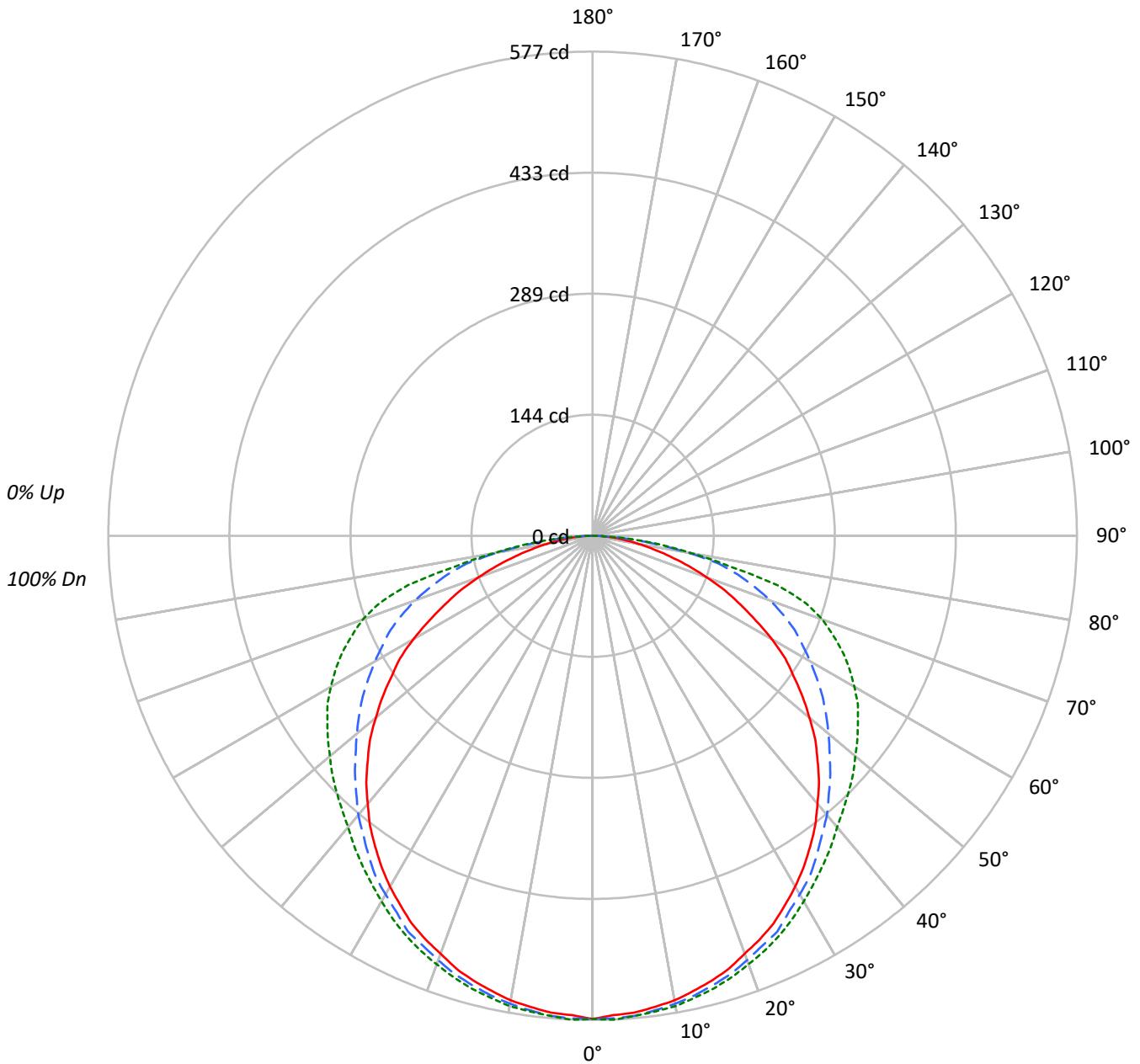
Lumens per Lamp: N/A  
Luminaire Lumens: 1833.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	1634	1634	1634
5°	1625	1636	1636
10°	1620	1632	1640
15°	1612	1628	1640
20°	1600	1625	1641
25°	1596	1630	1647
30°	1582	1617	1648
35°	1565	1612	1659
40°	1544	1609	1678
45°	1520	1607	1732
50°	1488	1619	1804
55°	1448	1654	1908
60°	1400	1699	2043
65°	1304	1784	2209
70°	1196	1868	2416
75°	1050	1966	2497
80°	902	1874	1961
85°	788	1358	1491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	3.0
10°-20°	156.4	8.5
20°-30°	238.6	13.0
30°-40°	291.3	15.9
40°-50°	311.5	17.0
50°-60°	300.7	16.4
60°-70°	258.8	14.1
70°-80°	175.1	9.6
80°-90°	46.2	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°	449.5	24.5
0°-40°	740.8	40.4
0°-60°	1352.9	73.8
0°-90°	1833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	570	572	574	574	574	54
15°	549	550	554	557	558	155
25°	510	512	520	523	526	235
35°	452	456	465	475	479	283
45°	379	386	400	421	432	292
55°	293	302	334	368	386	262
65°	194	213	266	307	329	193
75°	96	127	179	216	228	103
85°	24	34	42	43	46	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	575.7	575.7	575.7	575.7	575.7
2.5°	571.8	573.1	575.7	575.7	577.2
5°	570.4	571.8	574.4	574.4	574.4
7.5°	566.3	567.8	570.4	571.8	571.8
10°	562.2	563.7	566.3	567.8	569.1
12.5°	555.6	556.9	560.9	563.7	563.7
15°	548.8	550.2	554.3	556.9	558.3
17.5°	540.8	543.4	547.5	550.2	551.5
20°	529.9	532.7	538.0	542.1	543.4
22.5°	520.5	523.3	528.6	532.7	535.3
25°	509.8	512.4	520.5	523.3	525.9
27.5°	496.3	498.9	505.7	511.1	515.1
30°	482.8	485.4	493.5	500.2	503.0
32.5°	467.9	471.9	481.4	486.7	490.8
35°	451.8	455.7	465.3	474.7	478.8
37.5°	435.6	439.6	449.0	461.2	466.6
40°	416.7	422.1	434.3	450.3	453.1
42.5°	399.2	405.8	416.7	435.6	442.2
45°	378.9	385.7	400.5	420.8	431.5
47.5°	360.0	366.7	382.9	407.3	420.8
50°	337.1	346.6	366.7	395.1	408.6
52.5°	315.5	323.7	350.6	381.6	397.7
55°	292.6	302.1	334.4	368.2	385.7
57.5°	272.3	280.5	316.8	354.7	374.8
60°	246.7	257.6	299.3	339.7	360.0
62.5°	219.7	236.0	281.8	323.7	345.3
65°	194.2	213.1	265.7	307.4	329.0
67.5°	171.2	191.5	245.4	289.9	310.2
70°	144.2	169.9	225.2	268.3	291.2
72.5°	120.0	148.3	202.2	245.4	265.7
75°	95.8	126.7	179.3	215.8	227.8
77.5°	74.2	103.8	153.8	164.5	165.8
80°	55.2	82.2	114.7	116.0	120.0
82.5°	37.7	58.0	74.2	80.9	82.2
85°	24.2	33.8	41.7	43.2	45.8
87.5°	10.7	12.2	14.8	13.5	13.5
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)