

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: P842923

Luminaire Tested: **22CZ2-29HE-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842923
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-B35
Description: 2X2 2900 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

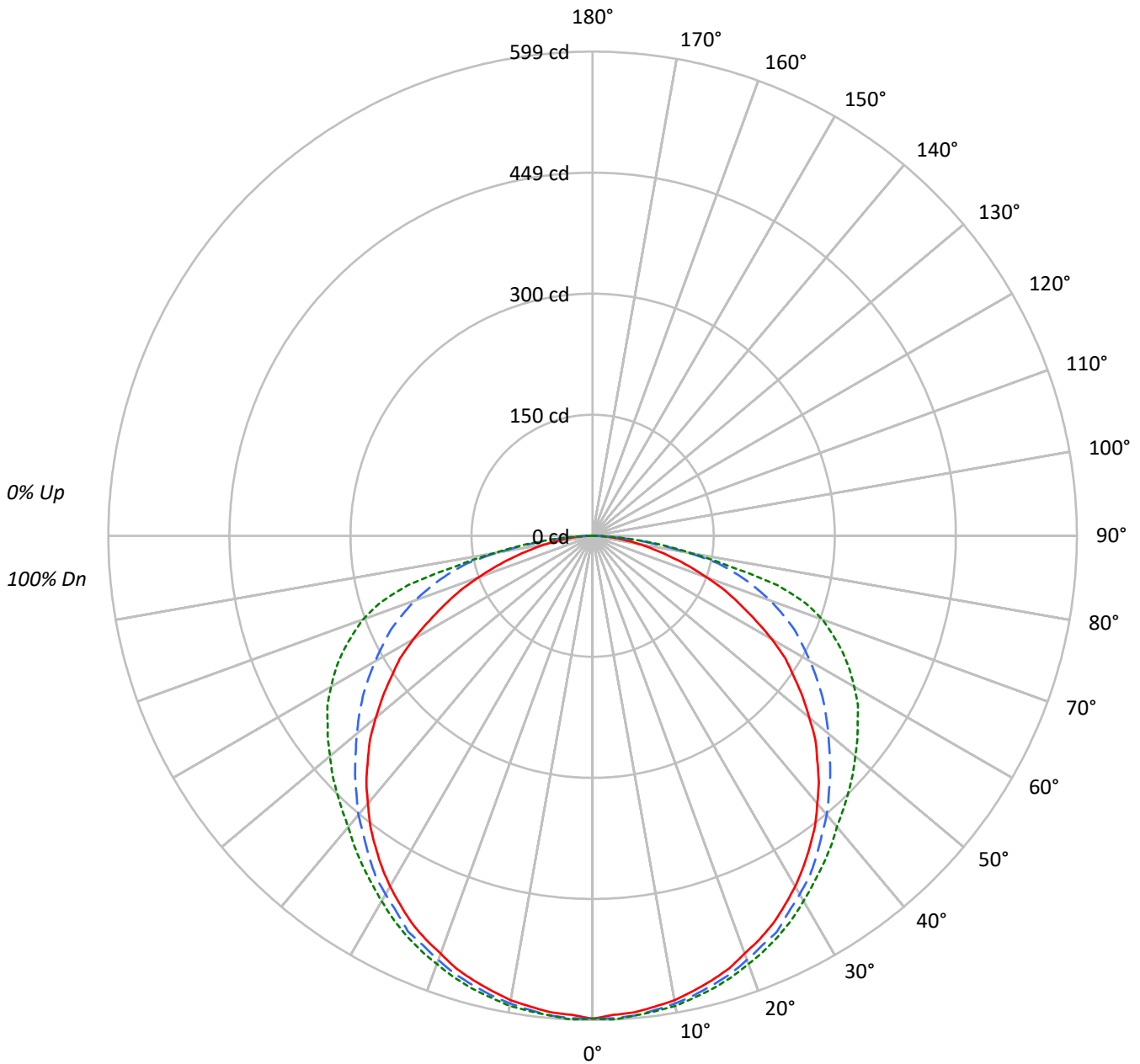
Lumens per Lamp: N/A
Luminaire Lumens: 1902.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): 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									
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	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°	1695	1695	1695
5°	1686	1698	1698
10°	1681	1693	1701
15°	1673	1689	1702
20°	1661	1686	1702
25°	1656	1691	1708
30°	1642	1678	1710
35°	1624	1672	1721
40°	1602	1669	1742
45°	1577	1668	1797
50°	1544	1680	1872
55°	1502	1717	1980
60°	1453	1763	2120
65°	1353	1851	2292
70°	1241	1939	2506
75°	1090	2039	2592
80°	936	1945	2034
85°	817	1410	1546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	3.0
10°-20°	162.3	8.5
20°-30°	247.6	13.0
30°-40°	302.3	15.9
40°-50°	323.2	17.0
50°-60°	312.0	16.4
60°-70°	268.5	14.1
70°-80°	181.7	9.6
80°-90°	47.9	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°	466.4	24.5
0°-40°	768.6	40.4
0°-60°	1403.8	73.8
0°-90°	1902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	592	593	596	596	596	56
15°	569	571	575	578	579	161
25°	529	532	540	543	546	243
35°	469	473	483	493	497	293
45°	393	400	416	437	448	303
55°	304	313	347	382	400	272
65°	202	221	276	319	341	200
75°	99	131	186	224	236	107
85°	25	35	43	45	48	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.4	597.4	597.4	597.4	597.4
2.5°	593.3	594.7	597.4	597.4	598.9
5°	591.8	593.3	596.0	596.0	596.0
7.5°	587.6	589.1	591.8	593.3	593.3
10°	583.4	584.9	587.6	589.1	590.5
12.5°	576.5	577.8	582.0	584.9	584.9
15°	569.4	570.9	575.1	577.8	579.3
17.5°	561.2	563.8	568.1	570.9	572.3
20°	549.9	552.7	558.3	562.5	563.8
22.5°	540.1	543.0	548.5	552.7	555.4
25°	529.0	531.7	540.1	543.0	545.6
27.5°	515.0	517.7	524.8	530.3	534.5
30°	501.0	503.7	512.1	519.0	521.9
32.5°	485.5	489.7	499.5	505.0	509.2
35°	468.8	472.8	482.8	492.6	496.8
37.5°	452.0	456.2	465.9	478.6	484.1
40°	432.4	438.0	450.6	467.3	470.2
42.5°	414.2	421.1	432.4	452.0	458.9
45°	393.1	400.2	415.6	436.6	447.7
47.5°	373.6	380.5	397.4	422.6	436.6
50°	349.8	359.6	380.5	410.0	424.0
52.5°	327.4	335.8	363.8	396.0	412.7
55°	303.7	313.4	347.0	382.0	400.2
57.5°	282.6	291.0	328.8	368.0	388.9
60°	256.0	267.3	310.6	352.5	373.6
62.5°	228.0	244.9	292.4	335.8	358.3
65°	201.5	221.1	275.7	319.0	341.4
67.5°	177.6	198.7	254.6	300.8	321.9
70°	149.6	176.3	233.7	278.4	302.1
72.5°	124.5	153.9	209.8	254.6	275.7
75°	99.4	131.4	186.0	224.0	236.4
77.5°	77.0	107.7	159.6	170.7	172.1
80°	57.3	85.3	119.0	120.3	124.5
82.5°	39.1	60.2	77.0	83.9	85.3
85°	25.1	35.1	43.3	44.8	47.5
87.5°	11.1	12.6	15.3	14.0	14.0
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)