

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: P881156

Luminaire Tested: **24CZ2-30VHE-RDP-UNV-B40**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P881156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474311)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30VHE-RDP-UNV-B40
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

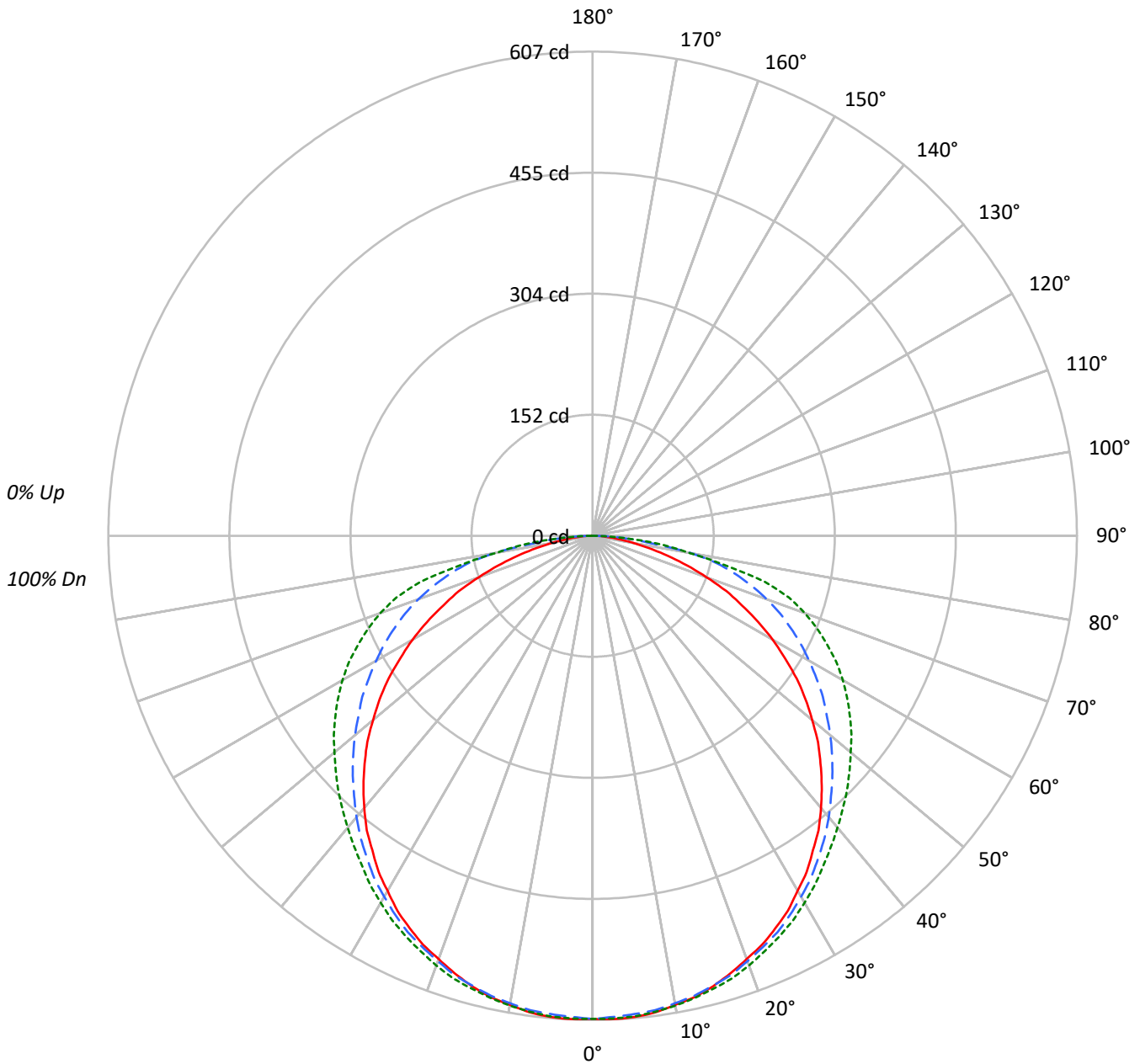
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1926.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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				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	93	89	92	89	87	88	86	84	82			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27			
9	55	41	33	27	53	40	32	27	39	32	27	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°	855	855	855
5°	858	853	857
10°	856	853	857
15°	854	853	858
20°	848	852	861
25°	845	854	863
30°	837	852	866
35°	829	849	869
40°	820	848	880
45°	807	848	900
50°	789	854	927
55°	768	867	968
60°	736	884	1022
65°	689	916	1085
70°	627	958	1167
75°	531	1011	1219
80°	419	1017	986
85°	309	774	866



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	3.0
10°-20°	165.4	8.6
20°-30°	252.9	13.1
30°-40°	309.1	16.0
40°-50°	329.5	17.1
50°-60°	315.0	16.4
60°-70°	266.8	13.9
70°-80°	179.3	9.3
80°-90°	50.6	2.6
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°	475.7	24.7
0°-40°	784.8	40.7
0°-60°	1429.2	74.2
0°-90°	1926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	606	605	602	605	605	58
15°	585	585	584	588	588	165
25°	543	544	548	553	554	250
35°	481	485	493	502	504	302
45°	404	411	425	443	451	312
55°	312	324	352	380	394	278
65°	206	227	274	310	325	205
75°	97	133	185	217	224	104
85°	19	39	48	52	54	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	605.7	605.7	605.7	605.7	605.7
2.5°	606.6	606.6	603.7	605.7	605.7
5°	605.7	604.8	601.9	604.8	604.8
7.5°	602.8	601.9	599.9	602.8	601.9
10°	597.1	597.1	595.2	598.1	598.1
12.5°	592.3	591.3	590.4	594.2	593.3
15°	584.6	584.6	583.7	588.4	587.5
17.5°	575.1	576.0	577.1	580.9	581.8
20°	564.6	566.5	567.5	573.2	573.2
22.5°	555.1	556.0	557.9	563.6	563.6
25°	542.6	544.5	548.3	553.1	554.1
27.5°	530.1	531.2	535.9	542.6	543.6
30°	513.9	516.8	522.6	530.1	531.2
32.5°	499.6	502.4	509.2	516.8	518.8
35°	481.4	485.3	492.9	502.4	504.4
37.5°	465.2	468.0	477.6	488.2	491.0
40°	445.3	450.9	460.5	472.9	477.6
42.5°	425.1	430.9	442.4	458.5	464.2
45°	404.1	410.8	425.1	443.3	450.9
47.5°	383.1	390.8	407.0	428.0	436.6
50°	359.2	368.8	388.8	412.7	422.3
52.5°	336.3	347.8	369.7	396.5	408.9
55°	312.3	323.8	352.5	380.2	393.6
57.5°	285.6	300.8	332.5	364.0	378.3
60°	260.8	275.1	313.3	347.8	362.0
62.5°	234.1	253.2	294.2	330.5	344.9
65°	206.3	227.4	274.2	310.5	324.8
67.5°	181.5	204.5	254.1	290.4	304.7
70°	151.9	180.5	232.2	268.4	282.8
72.5°	124.2	155.7	209.2	244.6	257.9
75°	97.4	132.7	185.4	216.9	223.6
77.5°	72.7	109.8	160.5	173.9	169.1
80°	51.6	88.0	125.1	118.4	121.3
82.5°	33.5	66.9	77.4	88.0	90.7
85°	19.1	39.2	47.8	51.6	53.5
87.5°	8.6	14.4	19.1	19.1	18.2
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)