

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798049

Luminaire Tested: 22CZSB-SCT3-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CZSB-SCT3-UNV-LOW-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

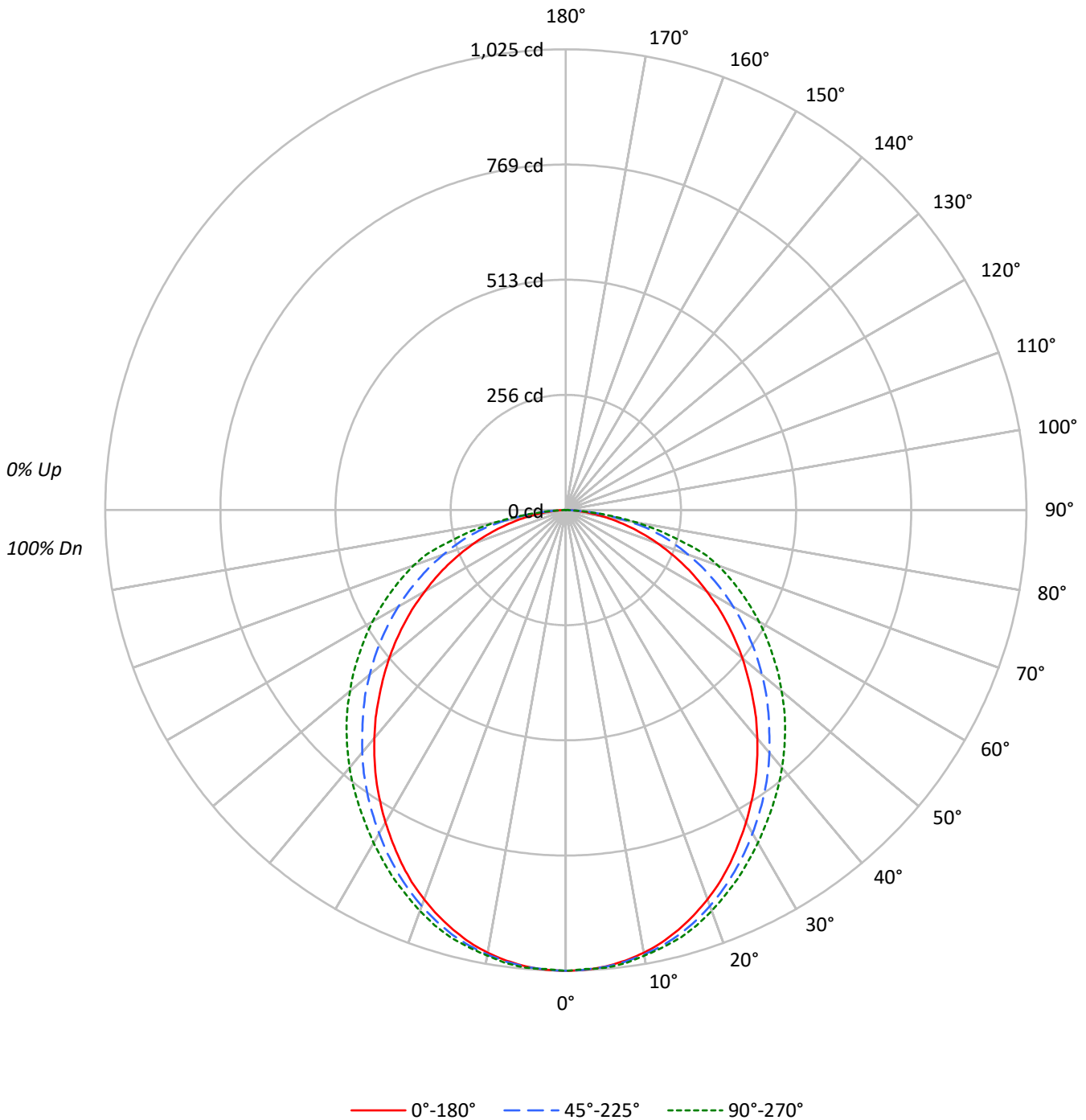
Lumens per Lamp: N/A  
Luminaire Lumens: 2839.0 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.5  
Input Voltage (V): 120  
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: 24 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	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	74	71	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	28	28	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	2759	2759	2759
5°	2754	2755	2761
10°	2733	2744	2751
15°	2695	2724	2745
20°	2640	2685	2718
25°	2572	2636	2688
30°	2494	2582	2658
35°	2416	2530	2637
40°	2328	2475	2630
45°	2235	2425	2626
50°	2148	2384	2624
55°	2054	2348	2636
60°	1947	2316	2672
65°	1846	2289	2725
70°	1715	2277	2833
75°	1555	2303	2738
80°	1320	2157	2462
85°	1093	1664	1593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 72.5°  
 Luminance: 2885 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	3.4
10°-20°	275.3	9.7
20°-30°	408.4	14.4
30°-40°	481.3	17.0
40°-50°	492.8	17.4
50°-60°	447.1	15.7
60°-70°	355.3	12.5
70°-80°	223.5	7.9
80°-90°	58.3	2.1
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°	780.7	27.5
0°-40°	1262.0	44.5
0°-60°	2201.9	77.6
0°-90°	2839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2839.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1019	1021	1020	1021	1022	97
15°	967	972	978	984	985	272
25°	866	873	888	901	905	399
35°	735	745	770	793	803	459
45°	587	602	637	676	690	454
55°	438	454	500	544	562	392
65°	290	308	360	406	428	287
75°	150	170	222	252	263	159
85°	35	44	54	50	52	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1025.2	1025.2	1025.2	1025.2	1025.2
2.5°	1024.1	1025.2	1023.5	1022.9	1022.3
5°	1019.4	1020.6	1020.0	1021.2	1022.3
7.5°	1011.3	1013.0	1013.6	1015.4	1017.1
10°	1000.3	1003.2	1004.3	1006.1	1006.7
12.5°	985.8	990.4	992.8	995.7	996.8
15°	967.2	972.5	977.7	983.5	985.2
17.5°	945.8	951.0	959.1	967.2	969.0
20°	922.0	927.2	937.7	946.4	949.3
22.5°	895.9	901.1	913.9	924.3	927.2
25°	866.3	873.3	887.8	901.1	905.2
27.5°	834.4	842.6	860.5	875.6	880.3
30°	802.6	810.7	831.0	848.9	855.3
32.5°	768.9	778.8	800.8	821.7	828.6
35°	735.3	745.1	770.1	793.3	802.6
37.5°	699.3	709.8	738.2	764.9	776.5
40°	662.8	673.8	704.6	735.9	748.6
42.5°	626.3	638.4	670.3	706.3	719.6
45°	587.4	601.9	637.3	675.6	690.1
47.5°	549.7	564.8	604.8	644.8	659.9
50°	513.2	527.7	569.4	611.8	626.8
52.5°	475.5	490.0	535.8	579.3	595.5
55°	437.8	454.0	500.4	544.5	561.9
57.5°	400.7	416.9	465.6	510.9	530.0
60°	361.8	380.4	430.3	476.7	496.4
62.5°	326.5	344.4	396.1	441.9	462.2
65°	289.9	308.5	359.5	406.5	428.0
67.5°	253.4	273.7	325.9	371.7	394.3
70°	218.0	238.9	289.4	336.9	360.1
72.5°	183.8	204.7	255.7	301.0	322.4
75°	149.6	170.5	221.5	251.7	263.3
77.5°	116.6	138.0	184.4	200.6	214.0
80°	85.2	105.5	139.2	151.9	158.9
82.5°	58.6	74.8	96.8	98.0	102.1
85°	35.4	44.1	53.9	49.9	51.6
87.5°	16.8	16.8	17.4	10.4	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)