

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: P798378

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

Issue Date: 3/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25712)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CZSB-SCT3-S-UNV-LOW-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

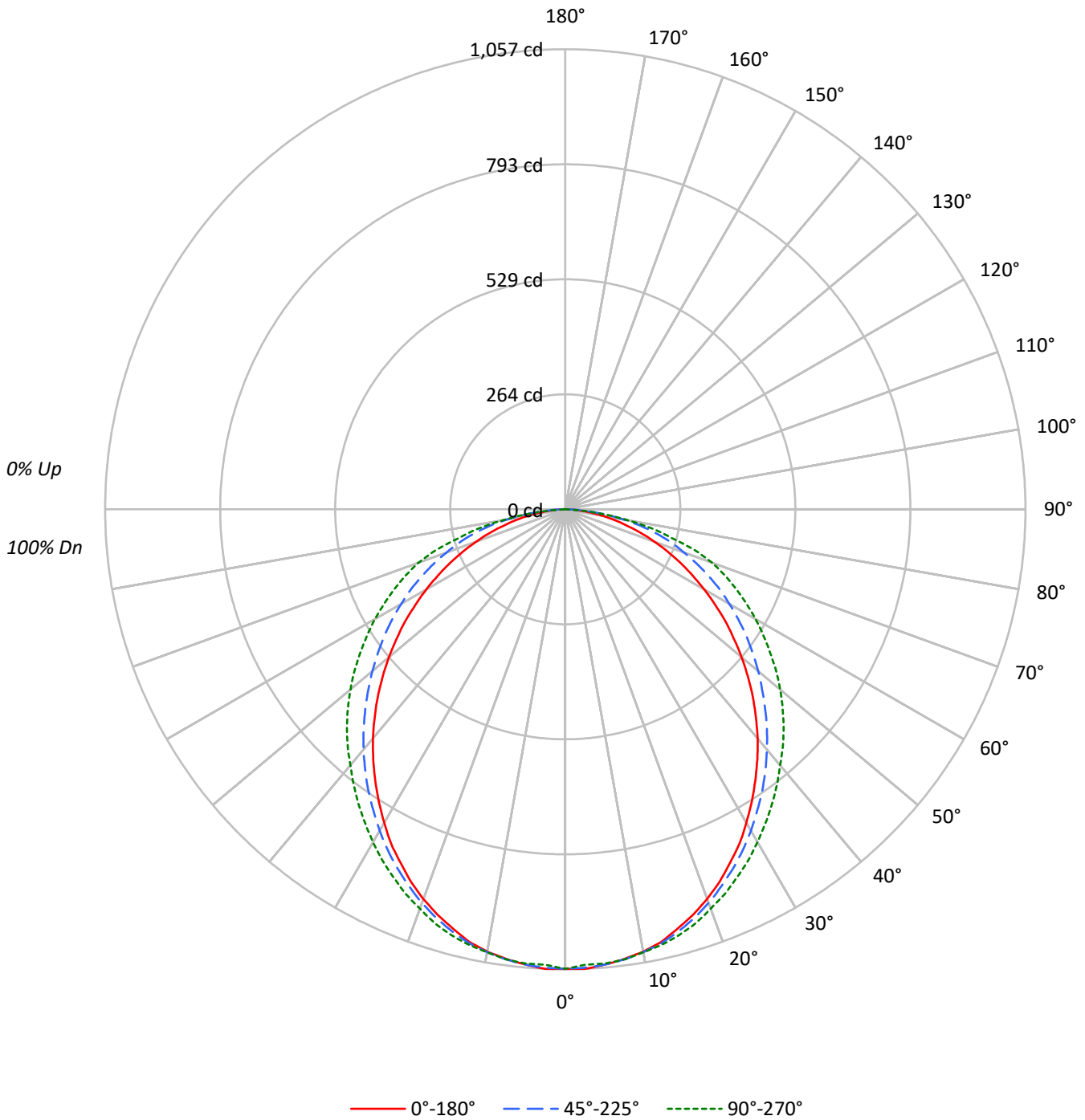
Lumens per Lamp: N/A  
Luminaire Lumens: 2895.7 lumens  
Efficiency: N/A  
Efficacy: 148.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	64	60	60	60	60	58
4	82	70	61	54	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	2841	2841	2841
5°	2837	2837	2829
10°	2820	2824	2824
15°	2778	2797	2821
20°	2729	2757	2796
25°	2660	2705	2771
30°	2584	2650	2744
35°	2499	2591	2719
40°	2414	2531	2697
45°	2318	2472	2700
50°	2213	2422	2696
55°	2107	2381	2695
60°	1984	2344	2717
65°	1861	2311	2755
70°	1718	2286	2823
75°	1548	2270	2617
80°	1358	2111	2283
85°	1115	1590	1414

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 70°  
 Luminance: 2823 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.7	3.4
10°-20°	283.2	9.8
20°-30°	420.6	14.5
30°-40°	495.1	17.1
40°-50°	504.7	17.4
50°-60°	455.2	15.7
60°-70°	358.6	12.4
70°-80°	221.2	7.6
80°-90°	57.4	2.0
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°	803.5	27.7
0°-40°	1298.6	44.8
0°-60°	2258.6	78.0
0°-90°	2895.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2895.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1050	1052	1050	1049	1047	100
15°	997	1001	1004	1010	1012	281
25°	896	901	911	926	933	413
35°	761	769	789	814	828	476
45°	609	619	650	688	709	470
55°	449	464	508	553	574	401
65°	292	313	363	409	433	289
75°	149	174	218	243	252	159
85°	36	46	52	49	46	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1057.0	1057.0	1054.3	1051.5	1047.3
5°	1050.2	1051.5	1050.2	1048.6	1047.3
7.5°	1041.8	1043.1	1043.1	1043.1	1043.1
10°	1032.0	1033.4	1033.4	1033.4	1033.4
12.5°	1018.1	1019.6	1020.9	1022.3	1025.0
15°	997.3	1001.3	1004.1	1009.7	1012.5
17.5°	976.5	980.5	984.9	991.7	997.3
20°	952.8	955.5	962.6	970.8	976.5
22.5°	926.3	930.5	937.4	948.6	957.0
25°	895.8	901.3	911.0	926.3	933.2
27.5°	866.6	870.6	883.1	899.8	909.7
30°	831.7	837.2	852.7	873.4	883.1
32.5°	797.1	803.8	820.6	844.3	855.5
35°	760.8	769.1	788.7	813.7	827.6
37.5°	724.6	733.0	755.3	783.0	798.4
40°	687.2	695.4	720.6	751.1	767.7
42.5°	648.1	657.8	685.6	720.6	739.9
45°	609.1	618.9	649.6	688.5	709.4
47.5°	568.9	580.0	613.4	656.5	677.3
50°	528.6	541.0	578.6	623.1	644.1
52.5°	488.1	502.1	542.5	588.4	610.7
55°	449.2	464.5	507.6	553.4	574.4
57.5°	407.6	425.6	471.5	516.0	539.7
60°	368.7	388.0	435.5	479.9	504.9
62.5°	329.6	350.5	400.5	445.2	468.7
65°	292.2	312.9	363.0	408.9	432.6
67.5°	254.5	278.2	326.9	372.7	396.4
70°	218.3	243.3	290.6	335.3	358.8
72.5°	183.6	208.6	255.9	297.7	311.6
75°	148.9	173.9	218.3	243.3	251.7
77.5°	116.8	140.5	179.4	194.7	205.9
80°	87.6	108.4	136.2	146.0	147.3
82.5°	59.7	77.9	94.7	96.0	94.7
85°	36.1	45.8	51.5	48.6	45.8
87.5°	16.8	18.1	16.8	11.1	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)