

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: P798060

Luminaire Tested: 22CZSB-SCT3-HRP-UNV-MID-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798060  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P345110)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CZSB-SCT3-HRP-UNV-MID-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

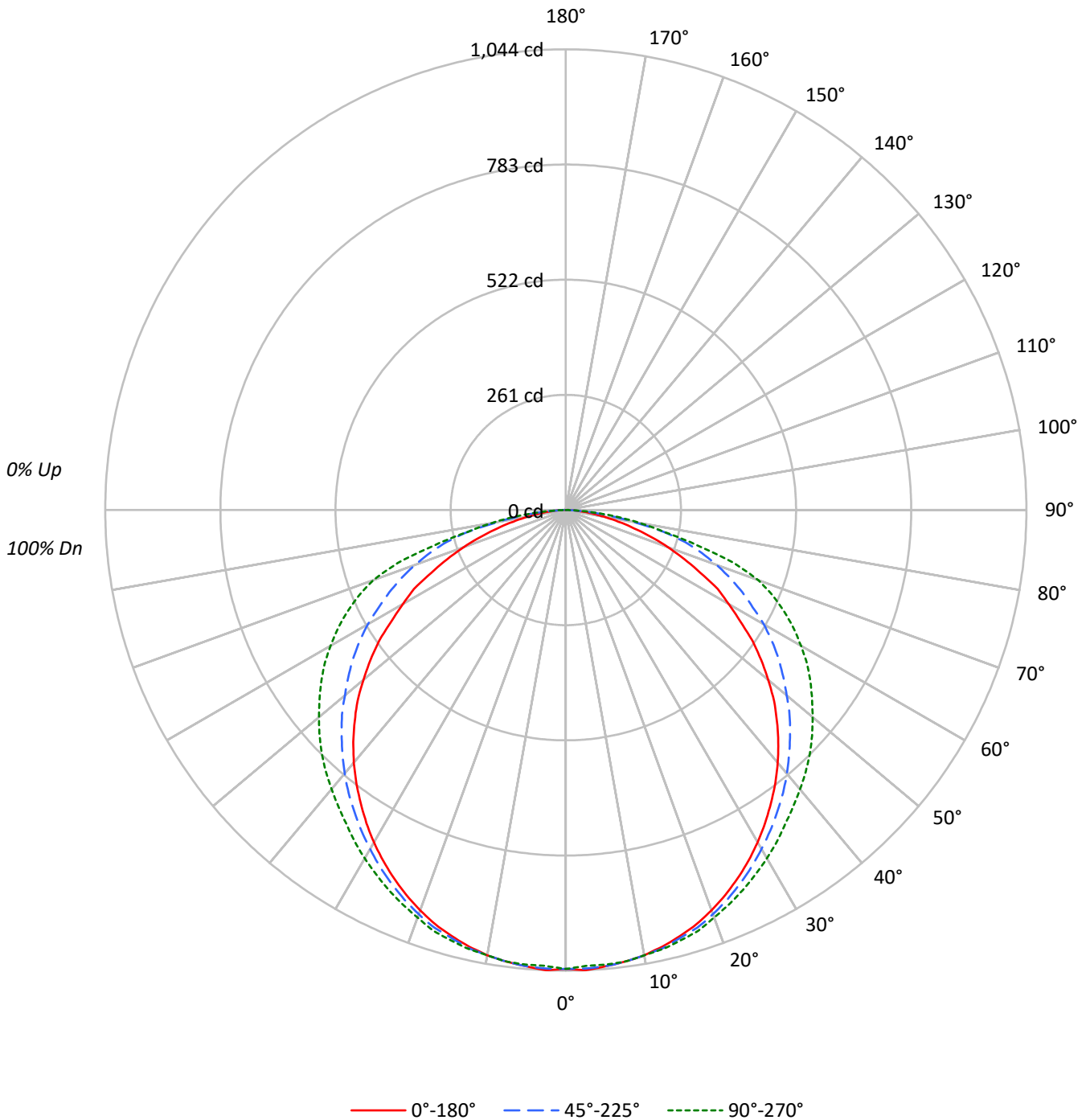
Lumens per Lamp: N/A  
Luminaire Lumens: 3193.5 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.8  
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				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	100	100	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83	83	83	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68	68	68	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57	57	57	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48	48	48	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41	41	41	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36	36	36	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32	32	32	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28	28	28	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27	25	25	25	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23	23	23

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

	0°	45°	90°
0°	2798	2798	2798
5°	2804	2804	2793
10°	2799	2799	2799
15°	2785	2796	2812
20°	2764	2792	2814
25°	2735	2775	2821
30°	2702	2756	2833
35°	2663	2744	2850
40°	2625	2740	2901
45°	2575	2735	2976
50°	2505	2737	3057
55°	2422	2762	3175
60°	2294	2788	3313
65°	2142	2811	3480
70°	1940	2857	3655
75°	1670	2903	3199
80°	1364	2428	2638
85°	1124	1772	1948

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 70°

Luminance: 3655 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	3.1
10°-20°	283.5	8.9
20°-30°	431.0	13.5
30°-40°	524.5	16.4
40°-50°	558.6	17.5
50°-60°	528.4	16.5
60°-70°	435.5	13.6
70°-80°	267.9	8.4
80°-90°	65.4	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°	813.1	25.5
0°-40°	1337.6	41.9
0°-60°	2424.6	75.9
0°-90°	3193.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3193.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1038	1038	1038	1036	1034	99
15°	1000	1002	1004	1007	1009	282
25°	921	925	935	944	950	424
35°	811	818	835	856	868	507
45°	677	688	719	759	782	522
55°	516	535	589	646	677	459
65°	336	369	442	512	547	334
75°	161	204	279	304	308	172
85°	36	48	57	61	63	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1043.7	1041.8	1039.9	1036.0	1034.1
5°	1037.9	1037.9	1037.9	1036.0	1034.1
7.5°	1032.2	1032.2	1032.2	1032.2	1032.2
10°	1024.5	1024.5	1024.5	1024.5	1024.5
12.5°	1013.1	1015.0	1016.9	1016.9	1018.9
15°	999.6	1001.6	1003.5	1007.3	1009.3
17.5°	984.4	986.3	992.1	996.0	999.6
20°	965.3	967.3	974.8	978.6	982.5
22.5°	944.4	948.0	955.7	963.4	967.3
25°	921.3	925.1	934.7	944.4	950.0
27.5°	896.4	900.3	911.8	925.1	930.9
30°	869.7	873.5	887.0	902.2	911.8
32.5°	841.0	846.8	862.2	881.2	890.8
35°	810.6	818.1	835.4	856.4	867.7
37.5°	779.9	787.5	808.6	833.5	846.8
40°	747.4	757.0	779.9	808.6	825.8
42.5°	712.9	724.5	749.3	783.8	804.8
45°	676.7	688.1	718.7	758.8	781.9
47.5°	640.4	653.7	688.1	732.0	757.0
50°	598.4	613.6	653.7	705.3	730.3
52.5°	558.2	577.2	621.3	676.7	703.5
55°	516.2	535.2	588.8	646.1	676.7
57.5°	468.2	491.3	554.3	615.5	648.1
60°	426.3	449.2	518.1	583.0	615.5
62.5°	388.0	409.1	477.9	548.5	583.0
65°	336.4	368.9	441.5	512.3	546.6
67.5°	290.5	326.9	403.4	470.2	508.5
70°	246.6	284.8	363.1	428.2	464.6
72.5°	202.6	244.7	323.1	380.4	399.5
75°	160.6	204.5	279.2	304.0	307.7
77.5°	122.3	166.3	225.6	223.7	227.4
80°	88.0	126.1	156.7	162.5	170.2
82.5°	59.3	88.0	101.3	110.9	118.6
85°	36.4	47.8	57.4	61.2	63.1
87.5°	17.1	19.1	19.1	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)