

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: P798384

Luminaire Tested: 22CZSB-SCT3-SQP-UNV-HIGH-3500K

Issue Date: 3/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CZSB-SCT3-SQP-UNV-HIGH-3500K  
Description: Cruze SB Selectable Troffer  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

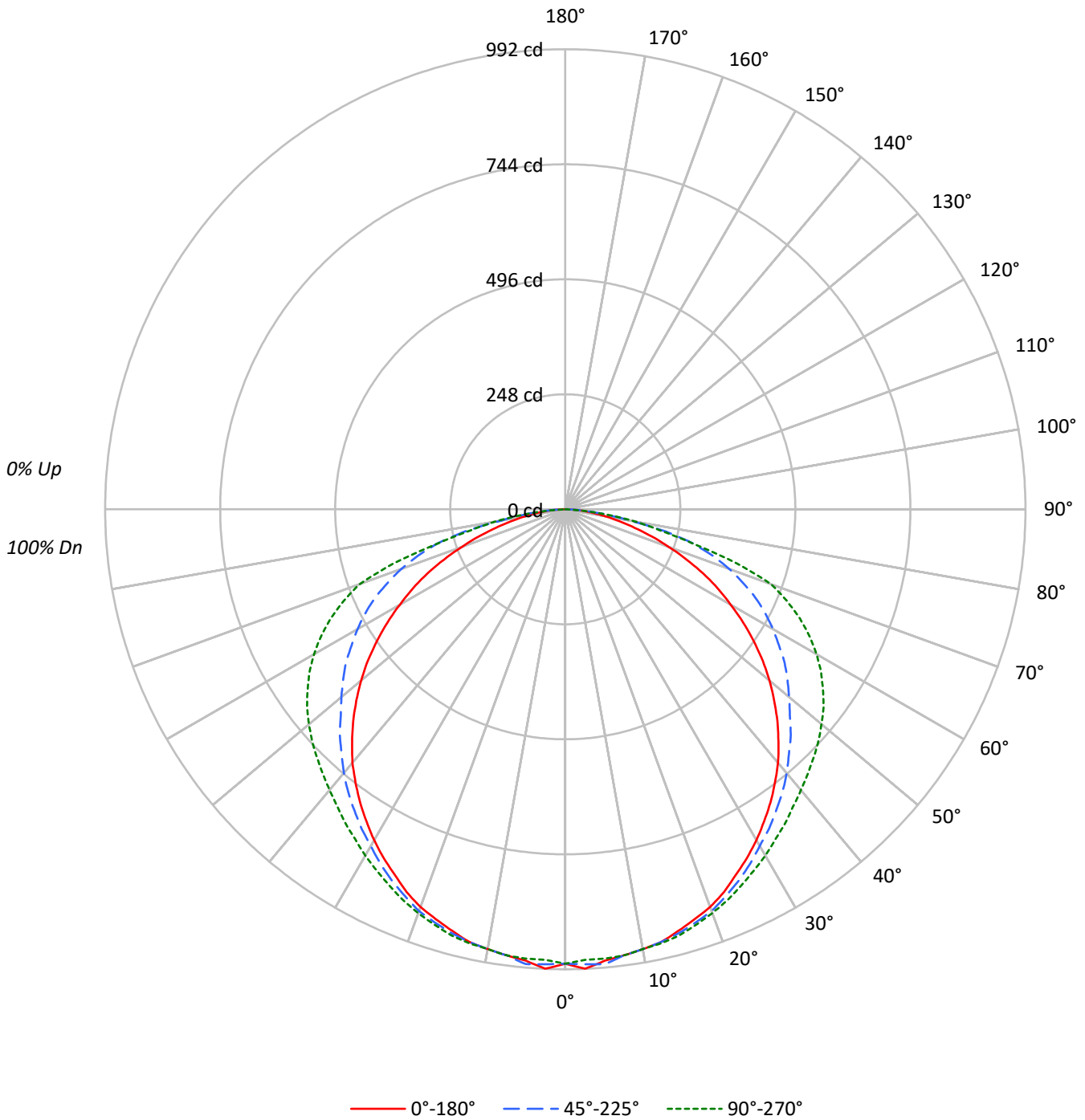
Lumens per Lamp: N/A  
Luminaire Lumens: 3084.5 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 35  
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



TEST NUMBER: P798384  
CATALOG NUMBER: 22CZSB-SCT3-SQP-UNV-HIGH-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P798384

CATALOG NUMBER: 22CZSB-SCT3-SQP-UNV-HIGH-3500K

**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	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	85	85	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	70	70	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	58	58	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	50	50	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	43	43	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	37	37	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	33	33	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	29	29	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	27	27	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	24	24	24	22

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

	0°	45°	90°
0°	2636	2636	2636
5°	2640	2659	2627
10°	2631	2631	2631
15°	2623	2636	2650
20°	2614	2641	2654
25°	2582	2624	2660
30°	2560	2605	2679
35°	2534	2604	2715
40°	2507	2609	2777
45°	2461	2616	2881
50°	2406	2637	3019
55°	2327	2708	3180
60°	2217	2784	3365
65°	2089	2884	3554
70°	1865	2961	3713
75°	1617	2963	2940
80°	1371	2191	2376
85°	1183	1482	1337

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 70°  
 Luminance: 3713 cd/sqm



TEST NUMBER: P798384  
 CATALOG NUMBER: 22CZSB-SCT3-SQP-UNV-HIGH-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.0	3.0
10°-20°	267.1	8.7
20°-30°	407.1	13.2
30°-40°	498.1	16.1
40°-50°	535.9	17.4
50°-60°	519.1	16.8
60°-70°	439.8	14.3
70°-80°	265.8	8.6
80°-90°	58.4	1.9
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°	767.3	24.9
0°-40°	1265.4	41.0
0°-60°	2320.5	75.2
0°-90°	3084.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3084.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	977	977	984	980	973	93
15°	941	944	946	949	951	266
25°	870	874	884	891	896	401
35°	771	776	793	815	826	482
45°	647	659	688	731	757	498
55°	496	517	577	644	678	443
65°	328	364	453	525	558	323
75°	156	211	285	290	283	167
85°	38	46	48	46	43	43
90°	0	0	0	0	0	



TEST NUMBER: P798384

CATALOG NUMBER: 22CZSB-SCT3-SQP-UNV-HIGH-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	979.7	979.7	979.7	979.7	979.7
2.5°	991.6	989.4	982.0	977.3	972.6
5°	977.3	977.3	984.5	979.7	972.6
7.5°	970.1	970.1	970.1	982.0	970.1
10°	962.9	965.2	962.9	972.6	962.9
12.5°	955.8	955.8	955.8	958.2	958.2
15°	941.4	943.7	946.1	948.6	951.1
17.5°	926.9	929.5	934.3	936.5	939.0
20°	912.7	915.0	922.2	922.2	926.9
22.5°	893.5	893.5	903.1	905.3	912.7
25°	869.5	874.4	883.8	891.2	895.9
27.5°	848.0	852.9	862.3	872.0	879.1
30°	824.0	828.7	838.3	852.9	862.3
32.5°	797.8	802.5	816.8	833.6	843.3
35°	771.3	776.3	792.8	814.6	826.5
37.5°	742.7	749.8	768.9	792.8	807.2
40°	713.7	721.1	742.7	768.9	790.4
42.5°	680.1	689.8	713.7	749.8	773.6
45°	646.7	658.6	687.5	730.6	757.0
47.5°	610.9	622.8	656.4	711.5	740.2
50°	574.8	589.4	629.9	689.8	721.1
52.5°	536.5	551.1	603.5	668.3	701.9
55°	495.9	517.2	577.3	644.5	677.9
57.5°	455.1	479.1	546.1	618.1	653.9
60°	411.9	440.6	517.2	589.4	625.2
62.5°	371.3	402.3	486.3	558.2	593.9
65°	328.1	363.9	452.9	524.6	558.2
67.5°	282.8	328.1	414.6	483.8	517.2
70°	237.1	289.8	376.3	440.6	471.9
72.5°	196.5	251.4	333.0	388.1	388.1
75°	155.5	210.6	285.0	289.8	282.8
77.5°	119.9	172.6	222.8	203.5	208.4
80°	88.5	131.8	141.4	148.6	153.3
82.5°	59.8	88.5	91.2	95.9	95.9
85°	38.3	45.5	48.0	45.5	43.3
87.5°	16.8	19.0	14.6	9.6	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)