

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: P798047

Luminaire Tested: 22CZSB-SCT3-UNV-HIGH-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798047  
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-HIGH-4000K  
Description: Cruze SB Selectable Troffer  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

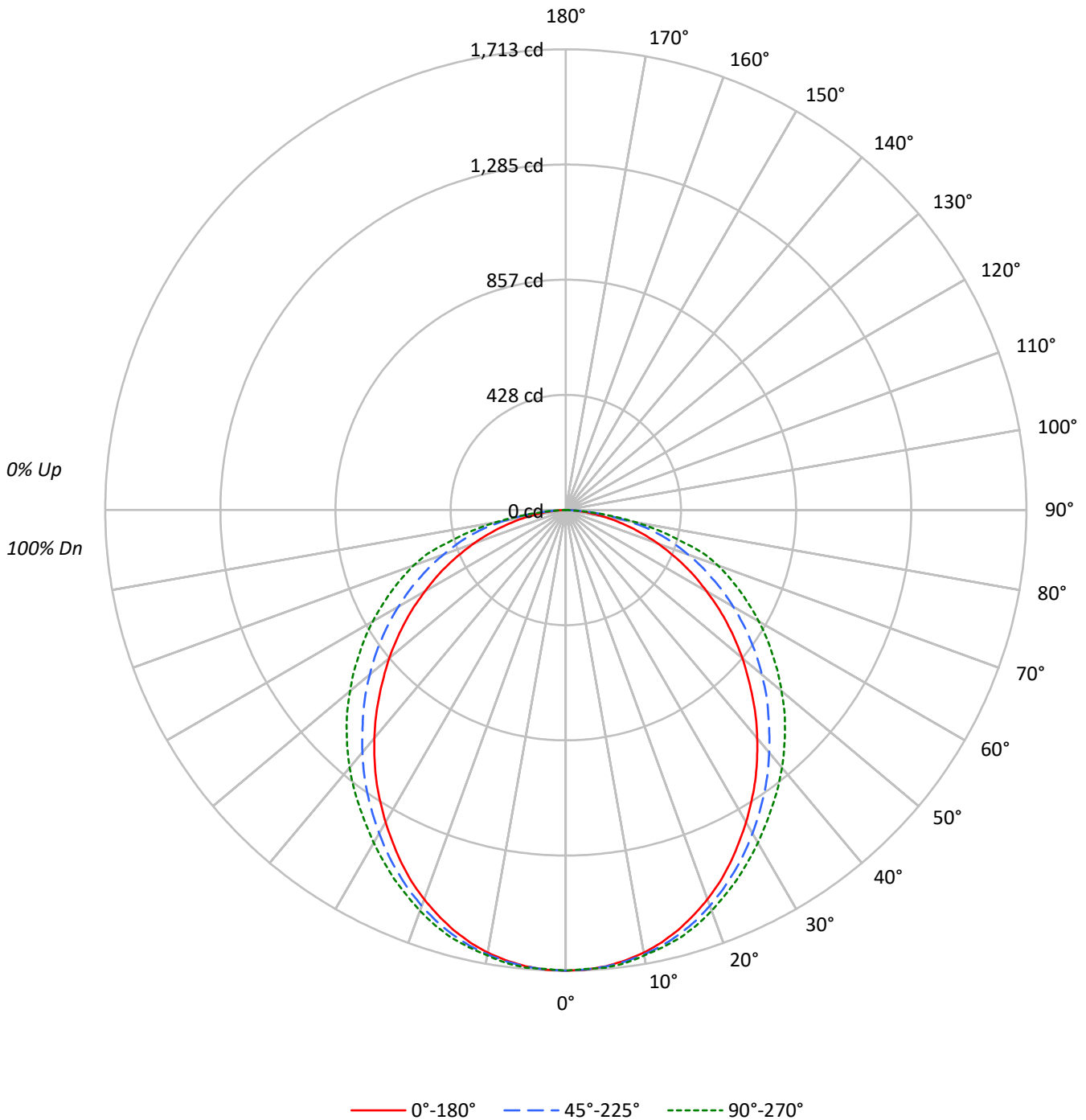
Lumens per Lamp: N/A  
Luminaire Lumens: 4743.0 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.3  
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: P798047  
CATALOG NUMBER: 22CZSB-SCT3-UNV-HIGH-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P798047  
 CATALOG NUMBER: 22CZSB-SCT3-UNV-HIGH-4000K

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

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

	0°	45°	90°
0°	4609	4609	4609
5°	4601	4603	4614
10°	4566	4585	4596
15°	4502	4550	4586
20°	4411	4486	4542
25°	4298	4404	4490
30°	4166	4314	4440
35°	4035	4226	4405
40°	3890	4135	4393
45°	3735	4052	4387
50°	3589	3983	4384
55°	3431	3923	4404
60°	3253	3869	4463
65°	3084	3824	4553
70°	2866	3803	4733
75°	2598	3848	4573
80°	2207	3603	4113
85°	1825	2782	2661

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 72.5°  
 Luminance: 4820 cd/sqm



TEST NUMBER: P798047  
 CATALOG NUMBER: 22CZSB-SCT3-UNV-HIGH-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	3.4
10°-20°	460.0	9.7
20°-30°	682.3	14.4
30°-40°	804.1	17.0
40°-50°	823.3	17.4
50°-60°	747.0	15.8
60°-70°	593.5	12.5
70°-80°	373.4	7.9
80°-90°	97.5	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°	1304.2	27.5
0°-40°	2108.4	44.5
0°-60°	3678.7	77.6
0°-90°	4743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1713	1713	1713	1713	1713	
5°	1703	1705	1704	1706	1708	162
15°	1616	1625	1633	1643	1646	455
25°	1447	1459	1483	1506	1512	666
35°	1228	1245	1286	1325	1341	768
45°	981	1006	1065	1129	1153	758
55°	731	759	836	910	939	654
65°	484	515	601	679	715	479
75°	250	285	370	420	440	265
85°	59	74	90	83	86	70
90°	0	0	0	0	0	



TEST NUMBER: P798047

CATALOG NUMBER: 22CZSB-SCT3-UNV-HIGH-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1712.8	1712.8	1712.8	1712.8	1712.8
2.5°	1710.9	1712.8	1709.9	1708.9	1708.0
5°	1703.1	1705.0	1704.1	1706.0	1708.0
7.5°	1689.5	1692.5	1693.4	1696.3	1699.2
10°	1671.1	1676.0	1677.9	1680.8	1681.8
12.5°	1646.9	1654.7	1658.5	1663.4	1665.3
15°	1615.9	1624.6	1633.4	1643.0	1646.0
17.5°	1580.1	1588.8	1602.4	1615.9	1618.8
20°	1540.4	1549.1	1566.5	1581.0	1585.9
22.5°	1496.8	1505.5	1526.8	1544.2	1549.1
25°	1447.4	1459.0	1483.2	1505.5	1512.3
27.5°	1394.1	1407.6	1437.7	1462.9	1470.6
30°	1340.8	1354.4	1388.3	1418.3	1428.9
32.5°	1284.6	1301.1	1337.9	1372.8	1384.4
35°	1228.4	1244.9	1286.5	1325.3	1340.8
37.5°	1168.3	1185.8	1233.3	1277.8	1297.2
40°	1107.3	1125.7	1177.1	1229.4	1250.7
42.5°	1046.3	1066.6	1119.9	1180.0	1202.3
45°	981.4	1005.6	1064.7	1128.6	1152.8
47.5°	918.4	943.6	1010.4	1077.3	1102.5
50°	857.4	881.6	951.3	1022.1	1047.2
52.5°	794.4	818.6	895.2	967.8	994.9
55°	731.4	758.6	836.1	909.7	938.7
57.5°	669.4	696.6	777.9	853.5	885.5
60°	604.5	635.5	718.8	796.3	829.3
62.5°	545.4	575.5	661.7	738.2	772.1
65°	484.4	515.4	600.6	679.1	715.0
67.5°	423.4	457.3	544.5	621.0	658.8
70°	364.3	399.1	483.4	562.9	601.6
72.5°	307.1	342.0	427.2	502.8	538.6
75°	249.9	284.8	370.1	420.4	439.8
77.5°	194.7	230.6	308.1	335.2	357.5
80°	142.4	176.3	232.5	253.8	265.4
82.5°	97.8	125.0	161.8	163.7	170.5
85°	59.1	73.6	90.1	83.3	86.2
87.5°	28.1	28.1	29.1	17.4	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)