

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: P798374

Luminaire Tested: 22CZSB-SCT3-S-UNV-HIGH-3000K

Issue Date: 3/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798374  
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-HIGH-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

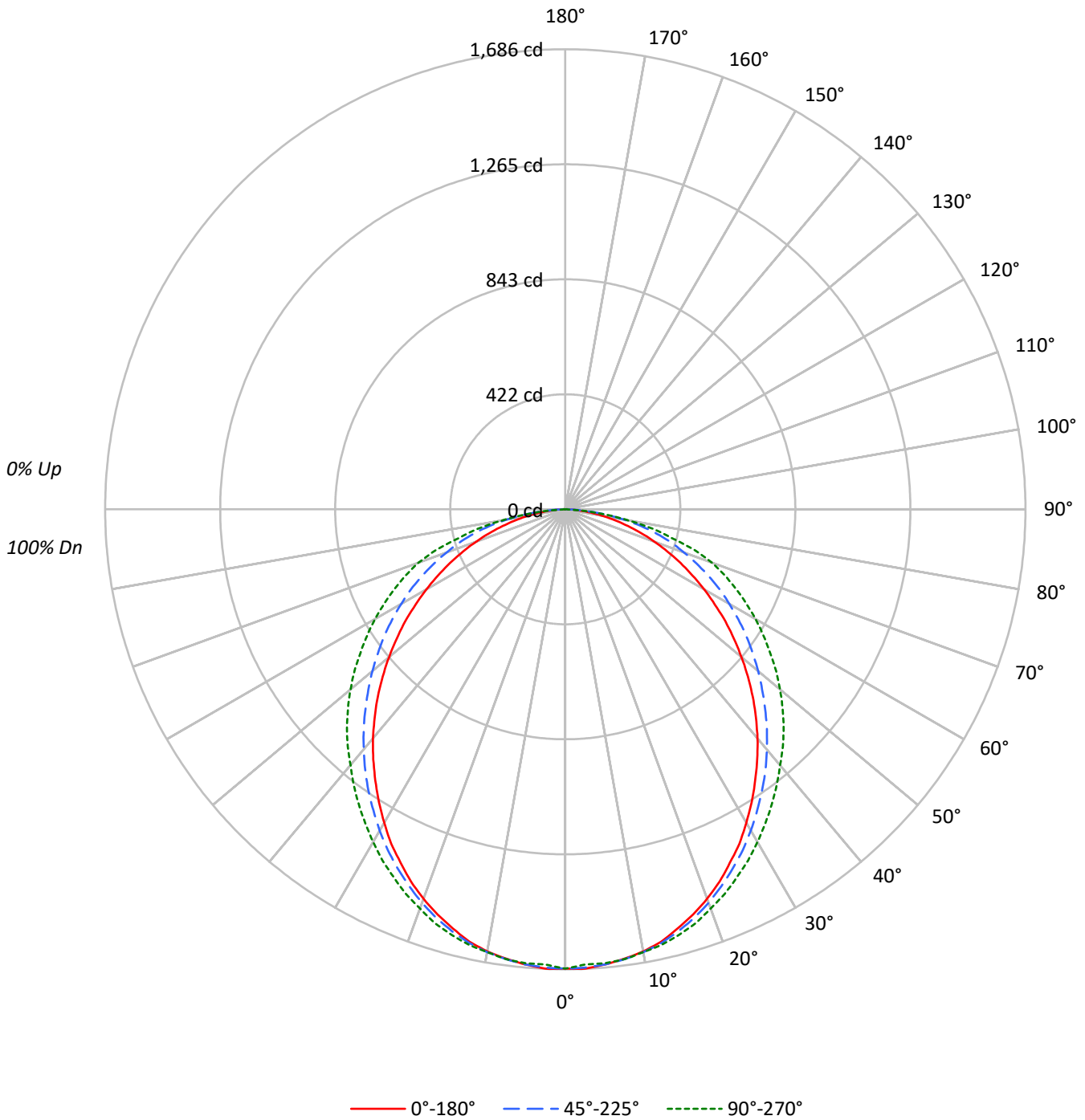
Lumens per Lamp: N/A  
Luminaire Lumens: 4617.5 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.4  
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	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°	4530	4530	4530
5°	4524	4524	4511
10°	4497	4503	4503
15°	4430	4461	4498
20°	4351	4395	4459
25°	4241	4313	4418
30°	4121	4225	4375
35°	3985	4131	4335
40°	3849	4036	4300
45°	3696	3942	4305
50°	3528	3862	4299
55°	3361	3797	4297
60°	3164	3737	4332
65°	2967	3686	4392
70°	2739	3646	4502
75°	2469	3619	4173
80°	2165	3366	3640
85°	1778	2535	2257

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 70°  
 Luminance: 4502 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.0	3.4
10°-20°	451.6	9.8
20°-30°	670.7	14.5
30°-40°	789.5	17.1
40°-50°	804.9	17.4
50°-60°	725.9	15.7
60°-70°	571.8	12.4
70°-80°	352.7	7.6
80°-90°	91.6	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°	1281.2	27.7
0°-40°	2070.7	44.8
0°-60°	3601.5	78.0
0°-90°	4617.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4617.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1683	1683	1683	1683	1683	
5°	1675	1677	1675	1672	1670	159
15°	1590	1597	1601	1610	1614	448
25°	1428	1437	1453	1477	1488	658
35°	1213	1226	1258	1298	1320	759
45°	971	987	1036	1098	1131	749
55°	716	741	809	882	916	639
65°	466	499	579	652	690	461
75°	238	277	348	388	401	253
85°	58	73	82	78	73	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1683.4	1683.4	1683.4	1683.4	1683.4
2.5°	1685.5	1685.5	1681.1	1676.7	1670.0
5°	1674.6	1676.7	1674.6	1672.1	1670.0
7.5°	1661.3	1663.3	1663.3	1663.3	1663.3
10°	1645.6	1647.9	1647.9	1647.9	1647.9
12.5°	1623.5	1625.8	1627.8	1630.1	1634.5
15°	1590.3	1596.7	1601.1	1610.1	1614.5
17.5°	1557.1	1563.5	1570.4	1581.3	1590.3
20°	1519.2	1523.6	1534.9	1548.1	1557.1
22.5°	1477.1	1483.7	1494.8	1512.6	1525.9
25°	1428.4	1437.2	1452.6	1477.1	1488.1
27.5°	1381.8	1388.3	1408.1	1434.9	1450.5
30°	1326.3	1335.0	1359.7	1392.7	1408.1
32.5°	1271.0	1281.8	1308.5	1346.3	1364.1
35°	1213.1	1226.5	1257.6	1297.5	1319.6
37.5°	1155.5	1168.8	1204.3	1248.6	1273.0
40°	1095.7	1108.9	1149.0	1197.6	1224.2
42.5°	1033.5	1049.0	1093.2	1149.0	1179.9
45°	971.3	986.9	1035.8	1097.8	1131.3
47.5°	907.2	924.9	978.2	1046.9	1080.1
50°	842.8	862.7	922.6	993.6	1027.0
52.5°	778.3	800.7	865.0	938.3	973.8
55°	716.3	740.7	809.4	882.5	915.9
57.5°	649.9	678.7	751.8	822.8	860.6
60°	587.9	618.8	694.4	765.2	805.0
62.5°	525.6	558.8	638.6	709.8	747.4
65°	465.9	498.9	578.9	652.0	689.8
67.5°	405.7	443.6	521.2	594.3	632.1
70°	348.1	388.0	463.4	534.6	572.2
72.5°	292.8	332.7	408.1	474.7	496.8
75°	237.5	277.3	348.1	388.0	401.4
77.5°	186.3	224.1	286.1	310.5	328.3
80°	139.7	172.9	217.2	232.8	234.9
82.5°	95.2	124.3	151.0	153.1	151.0
85°	57.6	73.1	82.1	77.5	73.1
87.5°	26.7	28.8	26.7	17.8	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)