

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: P798057

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

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798057  
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-LOW-3000K  
Description: Cruze SB Selectable Troffer  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

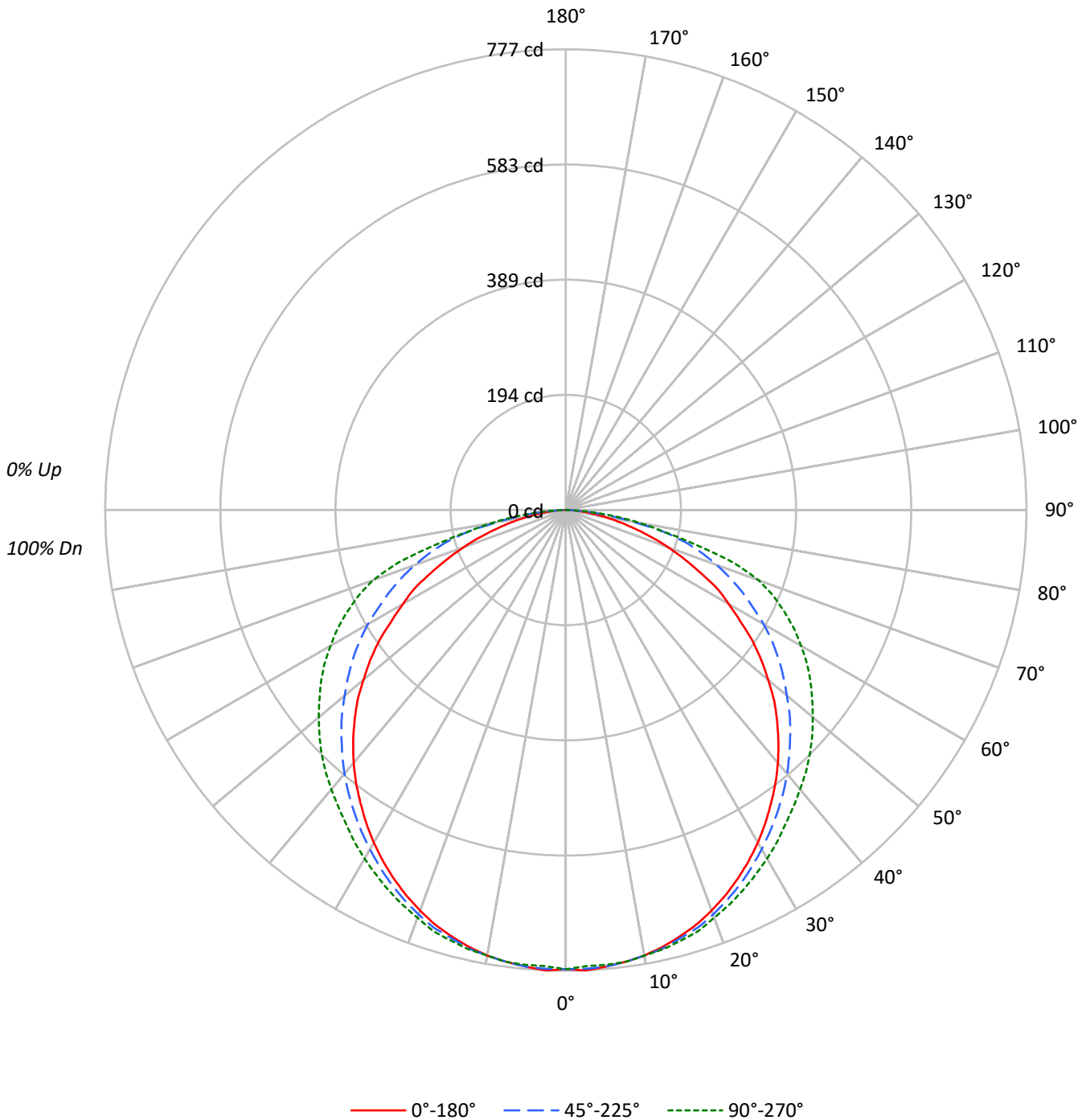
Lumens per Lamp: N/A  
Luminaire Lumens: 2378.3 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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	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	72	77	74	70	70	70	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	59	59	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	50	50	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	43	43	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	38	38	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	34	34	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	30	30	30	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	32	27	27	27	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	24	24	24	23

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

	0°	45°	90°
0°	2084	2084	2084
5°	2088	2088	2080
10°	2085	2085	2085
15°	2074	2082	2094
20°	2059	2079	2095
25°	2037	2067	2101
30°	2013	2053	2110
35°	1983	2044	2123
40°	1955	2041	2160
45°	1918	2037	2216
50°	1865	2038	2277
55°	1803	2057	2365
60°	1709	2076	2467
65°	1595	2094	2592
70°	1445	2127	2722
75°	1243	2162	2382
80°	1015	1808	1963
85°	837	1318	1451

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 70°  
 Luminance: 2722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	3.1
10°-20°	211.2	8.9
20°-30°	321.0	13.5
30°-40°	390.6	16.4
40°-50°	416.1	17.5
50°-60°	393.5	16.5
60°-70°	324.4	13.6
70°-80°	199.5	8.4
80°-90°	48.7	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°	605.6	25.5
0°-40°	996.1	41.9
0°-60°	1805.8	75.9
0°-90°	2378.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2378.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	773	773	773	772	770	73
15°	744	746	747	750	752	210
25°	686	689	696	703	708	316
35°	604	609	622	638	646	378
45°	504	512	535	565	582	389
55°	384	399	438	481	504	342
65°	250	275	329	382	407	249
75°	120	152	208	226	229	128
85°	27	36	43	46	47	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	774.4	774.4	774.4	774.4	774.4
2.5°	777.3	775.9	774.4	771.6	770.1
5°	773.0	773.0	773.0	771.6	770.1
7.5°	768.7	768.7	768.7	768.7	768.7
10°	763.0	763.0	763.0	763.0	763.0
12.5°	754.5	755.9	757.4	757.4	758.8
15°	744.5	745.9	747.3	750.2	751.6
17.5°	733.1	734.6	738.9	741.7	744.5
20°	718.9	720.4	726.0	728.8	731.7
22.5°	703.3	706.0	711.8	717.5	720.4
25°	686.1	689.0	696.1	703.3	707.5
27.5°	667.6	670.5	679.1	689.0	693.3
30°	647.7	650.6	660.6	671.9	679.1
32.5°	626.3	630.6	642.1	656.3	663.4
35°	603.7	609.3	622.2	637.8	646.3
37.5°	580.9	586.5	602.2	620.7	630.6
40°	556.6	563.8	580.9	602.2	615.0
42.5°	531.0	539.6	558.1	583.7	599.4
45°	504.0	512.5	535.3	565.1	582.3
47.5°	476.9	486.8	512.5	545.2	563.8
50°	445.6	457.0	486.8	525.2	543.9
52.5°	415.7	429.9	462.7	504.0	523.9
55°	384.4	398.6	438.5	481.2	504.0
57.5°	348.7	365.9	412.8	458.4	482.6
60°	317.5	334.5	385.8	434.2	458.4
62.5°	288.9	304.7	355.9	408.5	434.2
65°	250.5	274.7	328.8	381.6	407.1
67.5°	216.4	243.5	300.4	350.2	378.7
70°	183.7	212.1	270.4	318.9	346.0
72.5°	150.8	182.2	240.6	283.3	297.5
75°	119.6	152.3	207.9	226.4	229.1
77.5°	91.1	123.9	168.0	166.6	169.3
80°	65.5	93.9	116.7	121.0	126.7
82.5°	44.2	65.5	75.4	82.6	88.3
85°	27.1	35.6	42.7	45.6	47.0
87.5°	12.8	14.2	14.2	11.3	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)