

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P798041

Luminaire Tested: 14CZSB-SCT3-SQP-UNV-LOW-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P259100)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CZSB-SCT3-SQP-UNV-LOW-4000K  
Description: Cruze SB Selectable Troffer  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

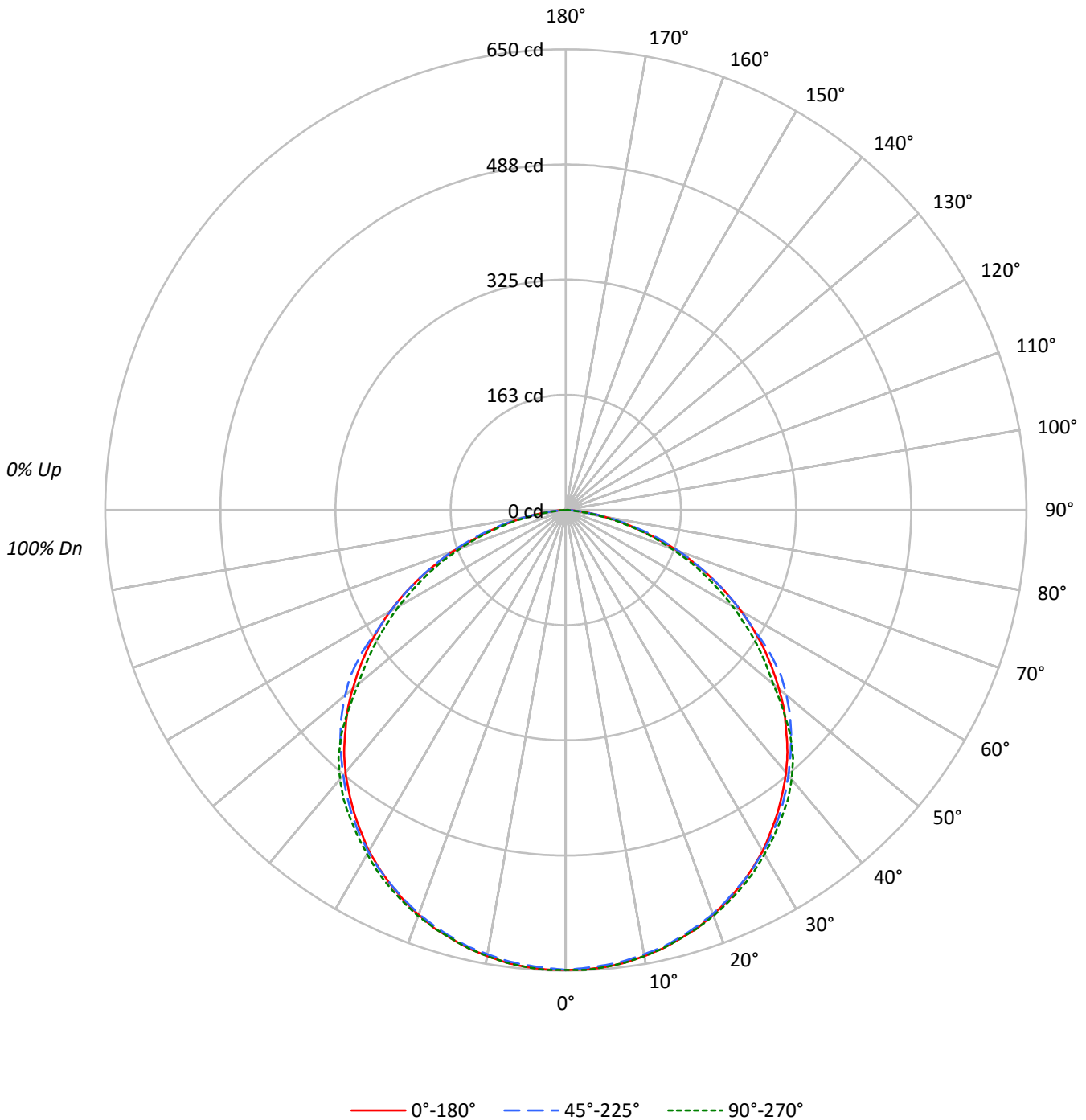
Lumens per Lamp: N/A  
Luminaire Lumens: 1849.4 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.5  
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				
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	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	86	86	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	73	73	73	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	62	62	62	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	53	53	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	36	36	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	32	32	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	1746	1746	1746
5°	1748	1741	1748
10°	1746	1739	1746
15°	1743	1738	1743
20°	1740	1737	1745
25°	1734	1732	1745
30°	1727	1730	1742
35°	1712	1727	1743
40°	1699	1716	1741
45°	1674	1712	1704
50°	1644	1702	1600
55°	1602	1649	1540
60°	1541	1538	1467
65°	1443	1452	1372
70°	1326	1341	1242
75°	1114	1167	1062
80°	885	902	747
85°	580	503	426

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1726 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.5	3.3
10°-20°	176.7	9.6
20°-30°	269.7	14.6
30°-40°	329.1	17.8
40°-50°	344.1	18.6
50°-60°	304.7	16.5
60°-70°	224.4	12.1
70°-80°	116.2	6.3
80°-90°	23.1	1.2
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°	507.8	27.5
0°-40°	836.9	45.3
0°-60°	1485.8	80.3
0°-90°	1849.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	647	647	645	647	647	62
15°	626	626	624	626	626	177
25°	584	584	583	587	588	269
35°	521	522	526	530	530	326
45°	440	444	450	454	448	340
55°	341	348	351	333	328	305
65°	227	240	228	219	216	225
75°	107	115	112	105	102	114
85°	19	20	16	14	14	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	648.9	648.9	648.9	648.9	648.9
2.5°	648.9	648.9	646.6	648.9	649.7
5°	647.2	647.2	644.6	647.2	647.2
7.5°	644.0	643.3	641.5	644.0	644.0
10°	639.0	639.0	636.5	639.6	639.0
12.5°	633.4	632.8	631.5	634.0	633.4
15°	625.8	625.8	623.9	626.4	625.8
17.5°	618.3	617.7	615.7	618.3	618.3
20°	607.6	607.0	606.4	608.9	609.5
22.5°	596.3	595.7	595.1	598.8	598.8
25°	583.9	583.9	583.3	587.0	587.6
27.5°	570.1	570.1	570.7	575.7	575.1
30°	555.7	555.7	556.9	560.6	560.6
32.5°	538.1	539.4	541.9	546.2	546.2
35°	521.2	522.5	525.6	530.5	530.5
37.5°	502.4	504.3	507.4	513.6	515.0
40°	483.6	484.9	488.6	495.6	495.6
42.5°	463.0	464.1	469.2	476.1	474.8
45°	439.8	443.5	449.8	453.6	447.8
47.5°	417.9	420.3	429.2	424.7	415.4
50°	392.7	397.8	406.5	390.9	382.2
52.5°	367.1	372.7	382.2	360.3	355.2
55°	341.4	348.3	351.4	333.3	328.2
57.5°	313.9	321.4	315.1	304.4	299.5
60°	286.3	295.1	285.7	275.6	272.5
62.5°	257.4	267.5	256.8	248.1	243.6
65°	226.7	240.5	228.1	219.3	215.5
67.5°	196.7	211.2	198.0	190.4	187.9
70°	168.5	176.6	170.4	162.9	157.8
72.5°	134.7	142.9	141.5	133.4	130.3
75°	107.1	114.7	112.2	105.2	102.1
77.5°	79.6	87.7	85.2	77.1	75.7
80°	57.1	62.7	58.2	50.7	48.2
82.5°	35.7	40.2	34.4	28.7	27.6
85°	18.8	20.0	16.3	14.4	13.8
87.5°	6.2	6.8	6.8	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)